THE METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA

INFORMATION

- **Board of Directors**
  Finance and Insurance Committee

2/13/2018 Board Meeting

9-2

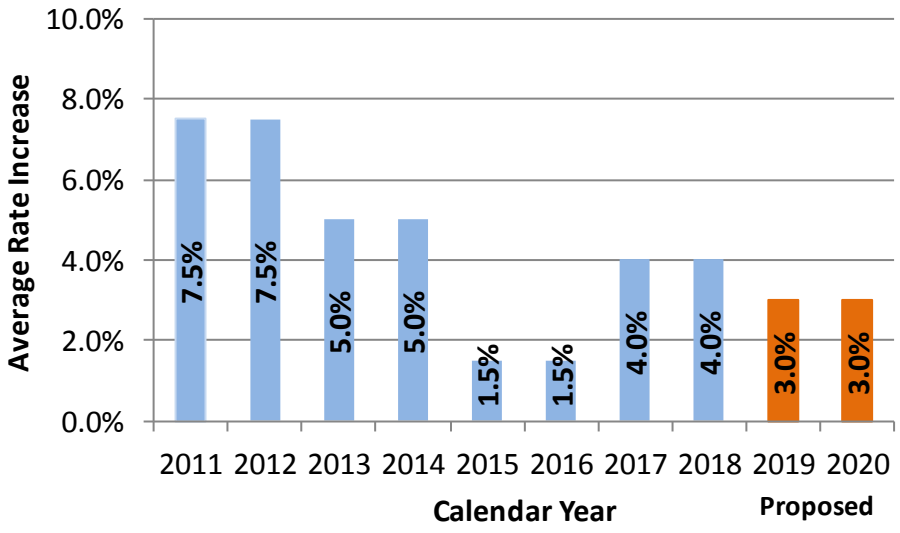
Subject

Proposed biennial budget and revenue requirements for fiscal years 2018/19 and 2019/20; proposed water rates and charges for calendar years 2019 and 2020 to meet revenue requirements for fiscal years 2018/19 and 2019/20; ten-year forecast; and Cost of Service Report

Executive Summary

This letter presents the proposed biennial budget and revenue requirements for fiscal years (FY) 2018/19 and FY 2019/20 (FYs 2018/19 and 2019/20), proposed water rates and charges for calendar years (CY) 2019 and CY 2020 (CYs 2019 and 2020) to meet Metropolitan's revenue requirements, and a ten-year forecast. This letter also presents the cost of service analysis and Cost of Service Report to support the proposed rates and charges. The proposed CYs 2019 and 2020 water rates and charges are based on Metropolitan's current methodology for developing rates and charges to produce the necessary revenue required to cover costs. This proposed budget strikes a balance between funding for Metropolitan's strategic priorities while working to achieve and maintain all financial policy guidelines, with proposed overall rate increases of 3.0 percent in each year of the proposed biennial budget, as well as the remainder of the ten-year period. The proposed overall rate increases of 3.0 percent are within the previous projection of rate increases between 3 to 5 percent.

Figure 1: Historic and Projected Overall Rate Increases



Attachment 1 provides the proposed Biennial Budget for FYs 2018/19 and 2019/20. It includes the Summary, describing the proposed appropriations, fund summaries, sources of funds, uses of funds, staffing plan and summary of the financing for the Capital Investment Plan (CIP); the Departmental budget information; and a

section of the document which describes the General District Requirements, comprised of the State Water Project, Colorado River Aqueduct, Supply Programs, Demand Management and Capital Financing.

Highlights of the proposed Biennial Budget are:

- Increased support for the Conservation Credits Program, with proposed spending to increase by $5 million to $43 million annually for the biennial budget and ten-year forecast. In addition, it is proposed that the remaining balance in the Water Management Fund be transferred to the Water Stewardship Fund to provide additional support for the Conservation Credits Program;

- Debt service costs decrease by $13 million over the biennial budget period compared to the FY 2017/18 budget and trend lower over the remaining years of the ten-year forecast. While the ten-year forecast projects $1 billion in new debt issuance, existing debt will be paid down at a faster rate resulting in outstanding debt decreasing by $800 million to $3.5 billion by the end of the ten-year forecast;

- Planned capital spending of $500 million over the biennium to ensure our facilities are well maintained and reliable. The capital program is now made up of nearly 400 projects that are focused on addressing seismic vulnerabilities, meeting all regulatory requirements, and replacement and refurbishment of aging infrastructure;

- Funding for Metropolitan's share of California WaterFix costs as approved by the Board in October 2017 are included in the biennial budget and ten-year forecast. In the event that the state Department of Water Resources (DWR) makes changes to how California WaterFix is implemented, any impacts on water rates and the ten-year financial forecast will be provided to the Board; and

- Meeting financial targets for Fixed Charge Coverage during the biennium and achieving Revenue Bond Coverage targets during the ten-year forecast period.

Attachment 2 provides the ten-year forecast (Ten-Year Financial Forecast). **Attachment 3** provides the Cost of Service Report to support the proposed water rates and charges, shown in Table 2 of this letter.

Description

PROPOSED BIENNIAL BUDGET

Funding of Strategic Priorities

The General Manager's Business Plan for FYs 2018/19 and 2019/20 sets out Metropolitan's strategic priorities for the biennium. These priorities, explained in more detail in the Departmental Expenditures section of the Biennial Budget document, are summarized below:

Enhance Infrastructure Safety, Security and Resiliency: During the biennium, Metropolitan will be managing capital projects to ensure the long-term reliability of Metropolitan's critical infrastructure and incorporate seismic resilience into our facilities. Four critical areas are the ongoing rehabilitation of the Colorado River Aqueduct, pre-stressed concrete pipe replacement, system seismic hardening and resilience, and enhancing physical and cyber security.

Prepare for More Extreme Hydrology: The recent historic drought highlighted the value of Metropolitan's regional storage investments. Storage has become our primary tool to manage southern California's extreme hydrologic variability. Given this recent experience and projecting more variability due to climate change, staff intends to conduct an assessment with the Board and member agencies of Metropolitan's storage capabilities and future needs to identify new strategies to maximize use of existing facilities and determine if new investments are needed. This assessment will also be incorporated into the 2020 Integrated Resource Plan (IRP) Update. Staff will also be working with the Board on strategies to successfully promote innovation and efficiency in water use.

Ensure Imported Supply Reliability: Southern California's backbone water supplies remain the Colorado River and the State Water Project; the ongoing reliability of these resources is critical. On the Colorado River, the emphasis over the next two years will be on completion of a Drought Contingency Plan to provide stability on the Colorado River while protecting Metropolitan's supplies and access to storage in Lake Mead. On the State Water Project, the emphasis will be on finalizing design and approvals for California WaterFix and beginning the logistical and management work for project construction.

Maximize Local Resources: During this biennium, construction of the pilot Advanced Purification Center in partnership with the County Sanitation Districts of Los Angeles County will be completed. While the demonstration facility is operating, staff will begin work with the Board and the member agencies on a review of the institutional issues associated with the Regional Recycled Water Program and its relationship to Metropolitan's ongoing Local Resources Program, for incorporation into the next update of Metropolitan's IRP Update scheduled for 2020.

Promote Environmental Stewardship and Sustainability: Develop and implement strategies to improve adaptability and resilience to climate change impacts on water supply; promote policies that restore habitat while protecting source water quality on Metropolitan's lands, such as the Delta Islands, as well as on other properties.

Foster Leadership and Strengthen Workforce Capabilities: Metropolitan's workforce today is significantly more diverse and younger than it was fifteen years ago. Retirements have reached approximately 100 employees a year and are expected to stay at that level through the biennium. Recruitment activity will be expanded to keep pace with retirements and maintain a work force at approximately 1,868 positions in FY 2019/20. Succession planning is critical to increase the availability of experienced and capable employees prepared to assume critical positions.

Maintain Sound Business Practices and Fiscal Integrity: Continue Metropolitan's practice of reducing debt and controlling costs to keep rate increases in the 3 to 5 percent range over the next decade while maintaining Metropolitan's strong credit ratings.

Key Assumptions

Current hydrologic conditions are uncertain. After a record wet water year 2016-2017[1], water year 2017-2018 has so far been very dry. Conditions in the northern California and Colorado River watersheds are well below normal. However, much of the current water year remains ahead. Metropolitan has weathered past supply challenges by realizing the benefits of supply and storage investments made over the last 20 years.

Metropolitan continues to be prepared to meet the challenges of reliably providing water to its service area throughout a variety of hydrologic conditions. Metropolitan has a diverse portfolio of water supplies, which have been augmented by additional programs approved by the Board over the last several years, and Metropolitan has made substantial investments in storage and supply programs to store water should CY 2018 be hydrologically wet.

As a result of hydrologic variability, Metropolitan's water sales can vary widely. Accordingly, it is reasonable for Metropolitan to determine its biennial budget and rate setting processes on average conditions and rely on water storage and cash reserves to buffer water demand, revenue and cost volatility. For the upcoming biennium, Metropolitan has made the following assumptions:

Water transactions projection: Water transactions, which include sales, exchanges and wheeling, are projected to be 1.65 million acre-feet (MAF) for FY 2018/19 and 1.75 MAF for FY 2019/20. FY 2018/19 is lower than previous forecasts as southern California is coming off a record wet 2016-2017 year and local supplies are robust; FY 2019/20 is in line with previous forecasts. These projections assume an average year hydrology, and reflect the expectation that demands will trend lower due to consumer response to the previous drought and

[1] The water year runs from October 1 through September 30 of the following calendar year.

continued conservation initiatives. The projection also incorporates the continued operation and implementation of local resource projects. The recent water transaction trend is shown in **Attachment 1**, Biennial Budget Summary.

State Water Project (SWP) and Colorado River Aqueduct (CRA): For FY 2018/19 and FY 2019/20, CRA diversions are projected to be 838 thousand acre-feet (TAF) and 916 TAF, respectively. For FY 2018/19 and FY 2019/20, Metropolitan's SWP supplies are projected to be 908 TAF and 907 TAF, respectively. This is based on a 50 percent SWP allocation and accounts for utilization of Metropolitan's SWP and Colorado River supply programs.

Capital Investment Plan (CIP): Expenditures for the CIP will be managed by focusing on projects that are critical to maintaining water quality, reliability and safety. The CIP planned spending for the biennial period totals $500 million. Historically, only about 80 percent of planned spending actually occurs due to a favorable bid environment or project delays. Accordingly, for setting rates, the Cost of Service Report uses $400 million, which is unchanged compared to the budget for FY 2017/18. The CIP reflects the focus on addressing aging infrastructure and compliance with regulatory requirements.

In the last two biennial budgets, the Board established a target of funding 60 percent of the projected expenditures in the CIP from operating revenues (PAYGo). This level of PAYGo funding has been maintained, which is $240 million over the biennial period, and is appropriate given the significant portion of the CIP that is focused on replacement and refurbishment of capital facilities. Using this standing level of PAYGo lessens the pressure on water rates from debt service payments in future years and provides financial flexibility in years when revenues may be lower than expected. Appropriately prioritizing CIP expenditures and utilizing PAYGo provides significant debt management cost relief to keep future rate increases in the 3 to 5 percent range despite increasing costs for other expenditures.

Operations and Maintenance (O&M): The FY 2018/19 budget includes $477.5 million for O&M, including labor and benefits, water treatment chemicals, power, solids handling, professional services, and operating equipment purchases. This is $57.7 million higher than the FY 2017/18 budget of $419.8 million, due primarily to impacts of the labor Memorandum of Understandings (MOUs), and increases in benefits costs, outside services, and other O&M expenses such as property taxes, and one-time environmental remediation and mitigation costs.

The FY 2019/20 budget includes $496.4 million for O&M, including labor and benefits, water treatment chemicals, power, solids handling, professional services, and operating equipment purchases. This is $18.9 million higher than the FY 2018/19 budget, due primarily to the labor MOUs and inflationary increases in costs.

The biennial budget assumes funding for 1,862 full time equivalent employees in FY 2018/19 and 1,868 full time equivalent employees in FY 2019/20, less than the authorized regular full time position count of 1,927 in FY 2018/19 and 1,932 in FY 2019/20. The reduced funding assumes that some positions would be vacant for portions of the budget year. Over the biennium a total of 19 staff will be added to accommodate increased recruitment, Bay Delta support, enhanced security and land management efforts, SWP and CRA program support, increased outreach, environmental planning and business technology support, and succession planning for future vacancies. Metropolitan will continue to provide full funding of the annual required contribution to its pension and Other Post-Employment Benefits obligations (OPEB, or retiree medical) accounts. Previous investments to address underfunded liabilities, including OPEB, have resulted in lower benefits costs in the biennial budget period compared to pay-as-you-go funding.

Maintain the ad valorem tax rate at the current level: It is proposed that the Board continue to suspend the ad valorem tax limit pursuant to the MWD Act, as the Board has done since the FY 2013/14 tax levy, to maintain the ad valorem tax rate at the current level of .0035 percent of assessed value for both fiscal years. This is projected to generate ad valorem tax revenues of $116.6 million in FY 2018/19 and $118.1 million in

FY 2019/20. Over the biennial budget period, maintaining the ad valorem tax rate at the current level is essential to the fiscal integrity of the District as it will provide revenues that can be used to pay for growing State Water Contract costs, help to maintain a balance between fixed and variable revenues, and reduce the impact of future water rate increases.

A public hearing at which interested parties may provide input regarding action on ad valorem tax rates pursuant to Section 124.5 of the MWD Act is proposed at the same time and place as the Board sets for the public hearing on proposed rates and charges.

SDCWA exchange agreement set-aside: Due to the San Diego County Water Authority's (SDCWA) litigation challenging Metropolitan rates, as of December 31, 2017, Metropolitan holds $52.8 million in its financial reserves in accordance with the set-aside provision of the 2003 Amended and Restated Exchange Agreement between Metropolitan and SDCWA (exchange agreement). This amount includes $51 million associated with exchange agreement water deliveries from January 2011 through October 2017 and $1.8 million in accumulated interest earned thereon, based on Metropolitan's investment portfolio. The amount set aside pursuant to the exchange agreement was reduced from approximately $312 million in September 2017 as a result of a final appellate decision in SDCWA's rate litigation filed in 2010 and 2012. Before the appellate decision, the amounts held were SDCWA's payments under the exchange agreement that were in dispute and interest earned thereon. Following the appellate decision in Metropolitan's favor concerning State Water Project costs, the reduced amounts held are SDCWA's payments of the Water Stewardship Rate that continue to be in dispute and interest earned thereon.

On June 21, 2017, the California Court of Appeal issued its decision in the appeal and cross-appeal filed by Metropolitan and SDCWA in SDCWA's rate litigation filed in 2010 and 2012. On September 27, 2017, the California Supreme Court denied SDCWA's Petition for Review in that litigation, declining to consider the Court of Appeal's June 2017 decision. The Court of Appeal's decision is therefore final.

The Court of Appeal ruled that Metropolitan may lawfully include its State Water Project transportation costs in its System Access Rate and System Power Rate, which Metropolitan charges SDCWA pursuant to the exchange agreement and its wheeling rate. The System Access Rate and System Power Rate are also charged in Metropolitan's full service water rate, which was not challenged in the litigation. The Court of Appeal also ruled that the administrative record before it for the rates in CYs 2011 through 2014 did not support Metropolitan's Water Stewardship Rate allocation to transportation rates and the wheeling rate for those years, but it did not address the allocation in subsequent years based on a different record. The Court of Appeal also stated that its decision does not preclude Metropolitan from including the Water Stewardship Rate in its full service rate. With respect to damages, the Court of Appeal remanded the case to the trial court for a redetermination of damages for CYs 2011 through 2014 in light of its rulings concerning the System Access Rate, System Power Rate, and Water Stewardship Rate.

In recognition of the Court of Appeal's decision, it is proposed that staff will begin a process internally, and with input from its member agencies, to further study and determine the most appropriate cost allocation of the Demand Management cost function. In the interim, it is proposed that the Water Stewardship Rate will not be billed on the exchange agreement deliveries for CYs 2019 and 2020, with Metropolitan foregoing any collection of these amounts during this study period. Further, it is recommended that Metropolitan suspend billing and collecting the current Water Stewardship Rate on exchange agreement deliveries in CY 2018. The effect on the Water Stewardship Fund, taking into consideration the lower revenues over the three calendar years, would be approximately $46 million.

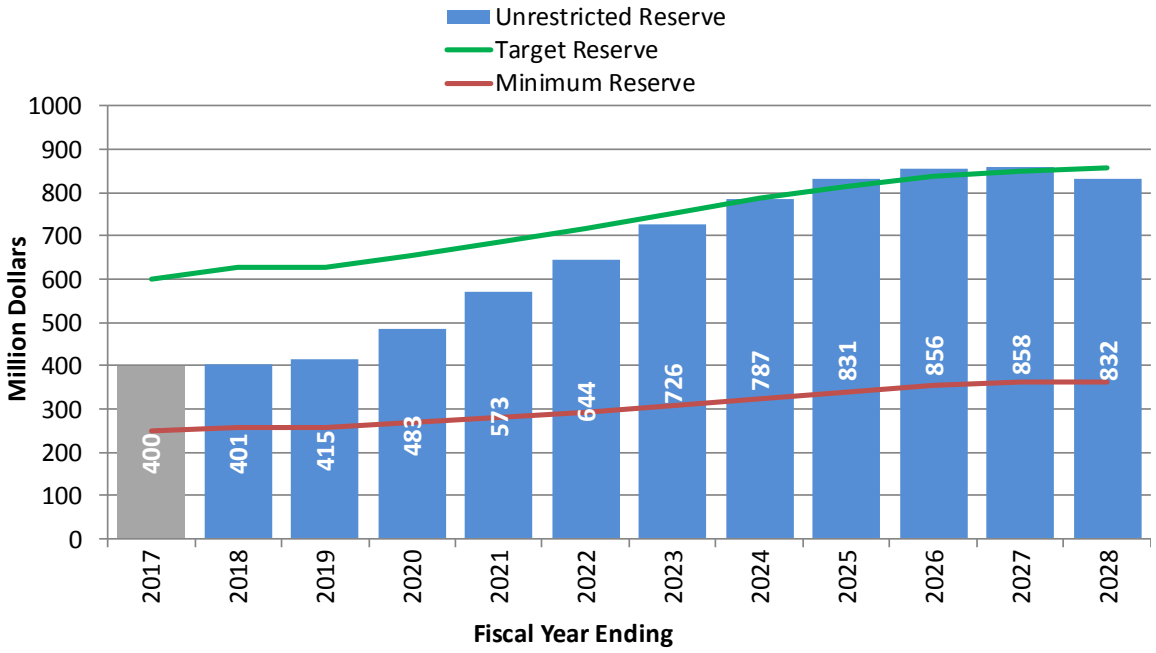
Resolution of Reimbursement: The biennial budget proposes to continue to fund 60 percent of capital expenditures from operating revenues, or PAYGo. In order to preserve financial flexibility in the timing of bond issuance, a Resolution of Reimbursement will be provided to the Board for consideration and approval. The Resolution of Reimbursement would authorize the use of tax-exempt bond proceeds or other forms of

indebtedness to reimburse capital expenditures for projects funded from the General Fund and the Replacement and Refurbishment (R&R) Fund. The availability of debt funding sources for capital projects initially paid or to be paid by the General Fund and R&R Fund would also provide Metropolitan with additional financial flexibility by allowing for the funding of all or a portion of planned CIP expenditures from bond proceeds.

TEN-YEAR FORECAST

The proposed biennial budget sets the foundation for consistent, reasonable rate increases over the ten-year planning period. Investments previously made to address underfunded liabilities combined with maintaining the ad valorem tax rate at its current level throughout the ten-year period and stable CIP expenditures help to offset the impact of Metropolitan's forecasted share of the cost of the California WaterFix as that project moves forward. Rate increases from FY 2020/21 through FY 2027/28 are projected to be approximately 3.0 percent each year. The Ten-Year Financial Forecast is presented in **Attachment 2**.

Figure 2: Projected Rate Increases, Reserves and Financial Indicators, Ten-Year Forecast



Overall Rate Increase	**4.0%**	**4.0%**	**3.0%**	**3.0%**	**3.0%**	**3.0%**	**3.0%**	**3.0%**	**3.0%**	**3.0%**	**3.0%**	**3.0%**
Water Transactions*, MAF	**1.54**	**1.55**	**1.65**	**1.75**	**1.80**	**1.80**	**1.80**	**1.80**	**1.80**	**1.80**	**1.80**	**1.80**
Rev. Bond Cvg	**1.6**	**1.5**	**1.6**	**1.9**	**2.1**	**2.1**	**2.1**	**2.1**	**2.2**	**2.1**	**2.2**	**2.2**
Fixed Chg Cvg	**1.4**	**1.4**	**1.5**	**1.7**	**1.9**	**1.8**	**1.7**	**1.6**	**1.6**	**1.5**	**1.4**	**1.3**
PAYGO, $M	**132**	**108**	**120**	**120**	**150**	**150**	**150**	**154**	**158**	**162**	**167**	**171**

*includes water sales, exchanges, and wheeling

COST OF SERVICE ANALYSIS

Attachment 3 provides the detailed Cost of Service Report to support the proposed rates and charges, based on the methodology approved by the Board since 2001. The following provides a summary of the cost of service analysis, which will be reviewed in upcoming Board workshops.

Cost of Service Analysis, FY 2018/19 and 2019/20

The proposed water rates and charges to support the estimated revenue requirements were developed using the Cost of Service (COS) methodology previously approved by the Board and implemented since the Board adopted the current rate structure in October 2001.

Metropolitan, a wholesaler, provides two types of services: full service water service (treated or untreated) and wheeling service. Metropolitan has one class of customers: its member agencies. The level of rate unbundling in Metropolitan's rate structure provides transparency to show that rates and charges recover only those functions involved in the applicable service, and that no cross-subsidy of costs exists. Metropolitan's COS process and resulting unbundled rate structure ensures that its wholesale customers pay for only those services they elect to receive.

The American Water Works Association (AWWA) is the professional association which, among other functions, identifies water industry standards for financial management and rate-setting practices. AWWA publishes a document on these topics in its Manual of Water Supply Practices series, which is the AWWA's Ml, Principles of Water Rates, Fees, and Charges, Seventh Edition.

AWWA manual Ml Seventh Edition delineates a number of guidelines and principles that are intended to be observed in the broad development of cost of service and rate setting steps[2]. The COS process reflects the M1 Seventh Edition guidelines and principles, which were carefully considered in the conceptual design of the Metropolitan COS. Major AWWA guidelines and principles considered in the Metropolitan COS approach are:

- Use of a "forward looking" or prospective rate period;
- Performing functional assignment of costs, which makes it possible to allocate and then distribute costs to services in accordance with each function type. In keeping with AWWA recommendations, the functional assignment and commodity/demand allocation modules of the COS allow identification of functional cost components at a level that allows the unbundling of Metropolitan's rates;
- Using the cash-needs approach to identify revenue requirements, which is one of two methodologies endorsed by AWWA principles and is frequently used by government-owned utilities; and
- In areas, consideration is given to separate charges where seasonal usage patterns impose significant demands on the utility for such use.

General principles for establishing charges state that:

- Beneficiaries of a service should pay for that service.
- The level of service charges should be related to the cost of providing service.
- The price of services may be used to change user behavior and demand for the good or service.

The COS process resulting in the proposed rates and charges is consistent with these principles, as detailed in **Attachment 3**, Metropolitan's Cost of Service Report.

Estimated Revenue Requirements

To support Metropolitan's biennial budget, ten-year forecast, and financial planning, the revenue requirements for FYs 2018/19 and 2019/20 are estimated to be $1.6 billion. As shown in Table 1, the revenue requirement for FY 2018/19 is about $16 million less than the revenue requirement used to set rates for FY 2017/18. Expenditures are projected to be relatively flat compared to the FY 2017/18 revenue requirement, while revenue offsets are projected to be about $19 million higher. Capital paid for with operating revenues (PAYGo) is

[2] The majority of the M1 Seventh Edition is written for utilities providing retail service or combined retail and wholesale service. The distinction in practices for wholesale-only utilities is indirect; care must be taken to be attuned to these distinctions such that the guidelines are not incorrectly applied or misrepresented.

unchanged; projected costs for the SWP, CRA power, Demand Management costs and Supply Programs costs are lower, offset by higher projected costs for O&M.

In FY 2019/20, expenditures are projected to be approximately $59 million more than FY 2018/19. Increases are budgeted for SWP costs, CRA power costs and O&M. Revenue offsets are relatively unchanged.

Table 1: Estimated Revenue Requirements for FYs 2018/19 and 2019/20, $ millions*

Fiscal Year Ending	2017/18 Adopted	2018/19 Proposed	2019/20 Proposed
Departmental and Other O&M	395	450	469
Variable Treatment	25	27	28
State Water Project (without Variable Power)	447	407	434
State Water Project Variable Power	153	160	169
CRA Power	54	46	53
Supply Programs	82	61	54
Demand Management	76	89	86
Debt Service	344	332	331
PAYGO	120	120	120
Change in Required Reserves	25	32	41
Subtotal Expenditures	**1,721**	**1,724**	**1,784**
Revenue Offsets	146	165	166
Total Revenue Requirement	**1,574**	**1,559**	**1,618**

*Totals may not foot due to rounding

Proposed Rates and Charges for CYs 2019 and 2020

An overall rate increase of 3.0 percent effective January 1, 2019 and January 1, 2020 is appropriate to cover the costs in the proposed biennial budget for FYs 2018/19 and 2019/20, meet financial policy guidelines with the exception of revenue bond coverage, and maintain steady rates for the future. The proposed increases to rates and charges ensure that Metropolitan continues to make progress towards meeting all coverage targets. The specific elements of the proposed rate increase effective January 1, 2019 and January 1, 2020 are shown in Table 2, "Current and Proposed Rates and Charges." The rates and charges for FY 2018/19 are based on the estimated revenue requirement of $1.56 billion shown in Table 1. The existing rates, which were effective January 1, 2018, and the proposed rates under a 3.0 percent increase, effective January 1, 2019, would generate combined revenue of $1.57 billion for FY 2018/19 based on total transactions of 1.65 MAF, of which 51 percent is treated full service water, 227 TAF is untreated exchange agreement water, and the remainder is untreated full service water.

The rates and charges for FY 2019/20 are based on the estimated revenue requirement of $1.62 billion shown in Table 1. Projected revenues from rates and charges in FY 2019/20 are $1.69 billion on total transactions of 1.75 MAF, of which 51 percent is treated full service water, 258 TAF is untreated exchange agreement water, and the remainder is untreated full service water.

Table 2: Current and Proposed Rates and Charges

Rates and Charges Effective January 1st	2018	2019	% Change	2020	% Change
Tier 1 Supply Rate ($/AF)	$209	$209	0.0%	$208	(0.5%)
Tier 2 Supply Rate ($/AF)	$295	$295	0.0%	$295	0.0%
System Access Rate ($/AF)	$299	$326	9.0%	$346	6.1%
Water Stewardship Rate ($/AF)	$55	$69	25.5%	$65	(5.8%)
System Power Rate ($/AF)	$132	$127	(3.8%)	$136	7.1%
Full Service Untreated Volumetric Cost ($/AF)					
Tier 1	$695	$731	5.2%	$755	3.3%
Tier 2	$781	$817	4.6%	$842	3.1%
Treatment Surcharge ($/AF)	$320	$319	(0.3%)	$323	1.3%
Full Service Treated Volumetric Cost ($/AF)					
Tier 1	$1,015	$1,050	3.4%	$1,078	2.7%
Tier 2	$1,101	$1,136	3.2%	$1,165	2.6%
Readiness-to-Serve Charge ($M)	$140	$133	(5.0%)	$136	2.3%
Capacity Charge ($/cfs)	$8,700	$8,600	(1.1%)	$8,800	2.3%
Overall Rate Increase			3.0%		3.0%

Metropolitan's volumetric rates recover operating costs as well as the portion of the conveyance and distribution system capital costs that are associated with meeting average water demands. In the utility industry, system-wide rates that are the same for all customers are referred to as "postage stamp" rates. Under a postage stamp rate design approach, every customer pays the same average rate for a service regardless of whether the cost caused by, or the benefit derived by, a customer for a given transaction varies from the average.

The Readiness-to-Serve (RTS) Charge recovers system capital costs for emergency storage capacity and ensures there is adequate capacity in the conveyance and distribution systems to reliably deliver supplies during emergencies, major facility outages, hydrologic variability, and variances in local resources. The Capacity Charge recovers distribution system capital costs necessary to meet peak day member agency needs on Metropolitan's distribution system during the summer.

The rates proposed for January 1, 2019 reflect higher costs for Departmental O&M, offset by a reduction in CRA power, SWP costs, Supply Programs, and debt service. PAYGo is unchanged. The Treatment Surcharge is basically unchanged as higher O&M costs are offset by lower allocated capital costs. The Readiness-to-Serve Charge and the Capacity Charge decrease slightly primarily due to less capital costs recovered through these charges. The Capacity Charge reflects recent lower member agency usage of the distribution system to meet summer season demands. Considering the increase in volumetric rates and the decrease in fixed charges, Metropolitan's overall rate increase is 3.0 percent. Individual member agency impacts may vary from 3.0 percent depending on whether the member agency takes treated full service water, untreated full service water, and their apportioned RTS and Capacity Charge.

The bundled untreated and treated full service rates and the RTS and Capacity Charge effective January 1, 2020 are largely consistent with the 3.0 percent overall increases in costs. With regard to the unbundled rates, the System Access Rate is higher due to increase in Departmental O&M and SWP Transportation OMP&R costs. The Water Stewardship Rate decreases due to slightly lower Demand Management costs and higher projected water transactions. The System Power Rate increases due to higher State Water Contract power costs and higher CRA supplemental power purchases. The Treatment Surcharge is increasing due to an increase in Departmental O&M and chemical costs.

Consistent with the policy principles adopted by the Board on April 11, 2017, to contain overall treatment costs on an on-going basis, Metropolitan will programmatically identify opportunities to partially or fully decommission unneeded treatment infrastructure and minimize future O&M and capital expenditures. Metropolitan should obtain member agency commitment to utilize new or expanded future treatment capacity. Metropolitan is currently in the process of decommissioning Plant 2 at the Skinner Treatment plant. The Jensen Treatment plant capacity will be reviewed.

NEXT STEPS

The following sets forth the proposed schedule for the biennial budget and revenue requirements for fiscal years 2018/19 and 2019/20, and proposed water rates and charges for calendar years 2019 and 2020.

February 12, 2018	F&I Committee, Workshop #1
By February 23, 2018	Notice to Legislature; notice to member agencies regarding public hearing and proposed adoption of Fixed Charges
February 27, 2018	F&I Committee, Workshop #2
March 12, 2018	F&I Committee, Workshop #3
March 13, 2018	Public Hearing on proposed water rates and charges and suspension of the tax limit pursuant to Section 124.5 of the MWD Act
March 27, 2018	F&I Committee, Workshop #4, if needed
April 9, 2018	F&I Committee, Recommend Biennial Budget and Calendar Year rates and charges; Workshop #5, if needed
April 10, 2018	Board action regarding Biennial Budget and Calendar Year rates and charges

Policy

Metropolitan Water District Act Section 61: Ordinances, Resolutions and Orders

Metropolitan Water District Act Section 124.5: Ad Valorem Tax Limitation

Metropolitan Water District Act Section 130: General Powers to Provide Water Services

Metropolitan Water District Act Section 133: Fixing of Water Rates

Metropolitan Water District Act Section 134: Adequacy of Water Rates; Uniformity of Rates

Metropolitan Water District Act Section 134.5: Water Standby or Availability of Service Charge

Metropolitan Water District Administrative Code Section 4304: Apportionment of Revenues and Setting of Water Rates

Metropolitan Water District Administrative Code Section 5107: Biennial Budget Process

Metropolitan Water District Administrative Code Section 5200(b): Funds Established

Fiscal Impact

The proposed biennial budget provides funding for Metropolitan's strategic initiatives while working to achieve and maintain Metropolitan's financial policy guidelines, with proposed overall rate increases of 3.0 percent in each year of the proposed biennial budget.

1/31/2018
Gary Breaux *Date*
Chief Financial Officer/
Assistant General Manager

1/31/2018
Jeffrey Kightlinger *Date*
General Manager

Attachment 1 – Proposed Biennial Budget FY 2018/19 and FY 2019/20

Attachment 2 – Ten-Year Financial Forecast

Attachment 3 – Fiscal Years 2018/19 and 2019/20 Cost of Service Report for Proposed Water Rates and Charges

Ref cfo12661846

METROPOLITAN WATER DISTRICT

Proposed Biennial Budget

Fiscal Years 2018/19 and 2019/20

Realizing the Benefit of Sound Investments

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BIENNIAL BUDGET SUMMARY

APPROPRIATIONS

The FY 2018/19 proposed appropriation of $1,692.3 million is comprised of $1,240.3 million or 73.3% percent for operations expense, $332.0 million or 19.6% percent for debt service expense, and $120.0 million or 7.1% percent for the Capital Investment Plan expenses (CIP). The FY 2019/20 proposed appropriation of $1,743.0 million is comprised of $1,292.1 million or 74.1% percent for operations expense, $330.9 million or 19.0% percent for debt service expense, and $120.0 million or 6.9% percent for the CIP expenses. The table below provides a comparison of FY 2018/19 and FY 2019/20 and illustrates the total proposed appropriations for the operating, debt service and CIP expenses.

FY 2018/19 and 2019/20 Operating and Capital Appropriations, $ millions

	2018/19 Proposed	2019/20 Proposed	Total Biennium
Operating Budget	$1,240.3	$1,292.1	$2,532.4
Debt Service	332.0	330.9	662.9
PAYGo	120.0	120.0	240.0
Grand Total	**$1,692.3**	**$1,743.0**	**$3,435.3**

The Biennial Budget for FY 2018/19 and 2019/20 provides funding for Metropolitan's strategic priorities while meeting most financial policy guidelines, with overall rate increases of 3.0 percent in each year of the Biennial Budget. The overall rate increases of 3.0 percent are in line with recent increases, consistent with rate projections of 3 to 5 percent increases, and reflect the current environment of lower water demands as southern California is coming off a record wet year and local supplies are robust.

The Biennial Budget is developed and monitored on a modified accrual basis. Revenues and expenses are recognized in the period they are earned and incurred. Depreciation and amortization are not included; payment of debt service is included. The modified–accrual basis of accounting provides a better match of revenues and expenses for budgeting and reporting.

FUND SUMMARY

The following tables show fund balance, and projected revenues and expenditures for Metropolitan for each fiscal year of the Biennial Budget.

FY 2018/19 Fund Summary, $ millions

Fiscal Year Ending June 30th, 2019 ($ in Millions)	All Funds	Operating Funds	Debt Service and Construction Funds	Reserve Funds (1)	Other Funds (2)
Beginning of Year Balance	**1,151.6**	**373.9**	**283.9**	**401.4**	**92.4**
USES OF FUNDS					
Expenses					
State Water Contract	566.7	566.7	—	—	—
Supply Programs	61.2	61.2	—	—	—
Colorado River Power	45.8	45.8	—	—	—
Debt Service	332.0	6.5	325.5	—	—
Demand Management	89.1	89.1	—	—	—
Departmental O&M	441.9	441.9	—	—	—
Treatment Chemicals, Sludge & Power	27.1	27.1	—	—	—
Other O&M	8.5	8.5	—	—	—
Sub-total Expenses	1,572.2	1,246.8	325.5	—	—
Capital Investment Plan	**200.0**	**20.0**	**180.0**	**—**	**—**
Fund Deposits					
R&R and General Fund	120.0	20.0	100.0	—	—
Treatment Surcharge Stabilization Fund	6.6	—	—	—	6.6
Interest for Construction & Trust Funds	0.2	—	0.2	—	—
Increase in Required Reserves	31.6	28.8	3.2	(0.4)	—
Increase in Rate Stabilization Fund	14.2	—	—	14.2	—
Sub-total Fund Deposits	172.7	48.8	103.4	13.8	6.6
TOTAL USES OF FUNDS	**1,944.9**	**1,315.6**	**608.9**	**13.8**	**6.6**
SOURCES OF FUNDS					
Revenues					
Taxes	116.6	102.3	14.4	—	—
Interest Income	16.9	5.9	4.3	5.4	1.3
Hydro Power	20.9	20.9	—	—	—
Fixed Charges (RTS & Capacity Charge)	170.3	170.3	—	—	—
Water Revenue (3)	1,395.5	1,395.5	—	—	—
Miscellaneous Revenue	11.1	11.1	—	—	—
Bond Proceeds	79.4	—	79.4	—	—
Sub-total Revenues	1,810.8	1,705.9	98.1	5.4	1.3
Fund Withdrawals					
R&R and General Fund	120.0	20.0	100.0	—	—
Bond Funds for Construction	0.6	—	0.6	—	—
Water Stewardship Fund	13.6	—	—	—	13.6
Sub-total Fund Withdrawals	134.1	20.0	100.6	—	13.6
TOTAL SOURCES OF FUNDS	1,944.9	1,725.9	198.7	5.4	14.9
Inter-Fund Transfers	**—**	**(410.4)**	**410.2**	**8.4**	**(8.3)**
End of Year Balance	**1,190.2**	**402.7**	**286.8**	**415.2**	**85.5**

Totals may not foot due to rounding.

(1) includes Water Rate Stabilization Fund and Revenue Remainder Fund.

(2) includes Water Stewardship, Water Management, Water Treatment Stabilization and Trust Funds.

(3) includes revenues from water sales, exchanges and wheeling

FY 2019/20 Fund Summary, $ millions

Fiscal Year Ending June 30th, 2020 ($ in Millions)	All Funds	Operating Funds	Debt Service and Construction Funds	Reserve Funds (1)	Other Funds (2)
Beginning of Year Balance	**1,190.2**	**402.7**	**286.8**	**415.2**	**85.5**
USES OF FUNDS					
Expenses					
State Water Contract	602.5	602.5	—	—	—
Supply Programs	54.4	54.4	—	—	—
Colorado River Power	52.9	52.9	—	—	—
Debt Service	330.9	6.9	324.0	—	—
Demand Management	85.8	85.8	—	—	—
Departmental O&M	461.7	461.7	—	—	—
Treatment Chemicals, Sludge & Power	27.7	27.7	—	—	—
Other O&M	7.0	7.0	—	—	—
Sub-total Expenses	1,623.0	1,299.0	324.0	—	—
Capital Investment Plan	**200.0**	**20.0**	**180.0**	**—**	**—**
Fund Deposits					
R&R and General Fund	120.0	20.0	100.0	—	—
Water Stewardship Fund	4.8	—	—	—	4.8
Treatment Surcharge Stabilization Fund	16.5	—	—	—	16.5
Interest for Construction & Trust Funds	0.2	—	0.2	—	—
Increase in Required Reserves	41.3	31.8	(3.1)	12.6	—
Increase in Rate Stabilization Fund	55.2	—	—	55.2	—
Sub-total Fund Deposits	238.0	51.8	97.1	67.8	21.2
TOTAL USES OF FUNDS	**2,060.9**	**1,370.8**	**601.1**	**67.8**	**21.2**
SOURCES OF FUNDS					
Revenues					
Taxes	118.1	103.7	14.3	—	—
Interest Income	18.1	6.3	4.3	6.0	1.5
Hydro Power	19.1	19.1	—	—	—
Fixed Charges (RTS & Capacity Charge)	165.8	165.8	—	—	—
Water Revenue (3)	1,528.5	1,528.5	—	—	—
Miscellaneous Revenue	11.5	11.5	—	—	—
Bond Proceeds	79.4	—	79.4	—	—
Sub-total Revenues	1,940.4	1,834.9	98.1	6.0	1.5
Fund Withdrawals					
R&R and General Fund	120.0	20.0	100.0	—	—
Bond Funds for Construction	0.6	—	0.6	—	—
Sub-total Fund Withdrawals	120.6	20.0	100.6	—	—
TOTAL SOURCES OF FUNDS	**2,060.9**	**1,854.9**	**198.6**	**6.0**	**1.5**
Inter-Fund Transfers	**—**	**(484.0)**	**402.5**	**61.8**	**19.8**
End of Year Balance	**1,307.5**	**434.5**	**283.3**	**483.0**	**106.7**

Totals may not foot due to rounding.
(1) includes Water Rate Stabilization Fund and Revenue Remainder Fund.
(2) includes Water Stewardship, Water Management, Water Treatment Stabilization and Trust Funds.
(3) includes revenues from water sales, exchanges and wheeling

SOURCES OF FUNDS

Total Sources of FY 2018/19 and FY 2019/20 Funds, $ millions

	2017/18 Budget	2018/19 Proposed	2019/20 Proposed	2018/19 Proposed Compared to 2017/18 Budget	2019/20 Proposed Compared to 2018/19 Proposed
SOURCES OF FUNDS					
Revenues					
Taxes	100.5	116.6	118.1	16.1	1.4
Interest Income	12.4	16.9	18.1	4.5	1.2
Hydro Power	21.6	20.9	19.1	(0.7)	(1.9)
Fixed Charges (RTS & Capacity Charge)	172.7	170.3	165.8	(2.4)	(4.5)
Water Revenues (1)	1,375.5	1,395.5	1,528.5	20.0	133.0
Miscellaneous Revenue	12.1	11.1	11.5	(1.1)	0.4
Bond Proceeds and Reimbursements	79.7	79.4	79.4	(0.2)	—
Working Capital Borrowing	47.4	—	—	(47.4)	—
Sub-total Revenues	**1,822.0**	**1,810.8**	**1,940.4**	**(11.2)**	**129.6**
Fund Withdrawals					
R&R and General Fund	120.0	120.0	120.0	—	—
Bond Funds for Construction	0.3	0.6	0.6	0.2	—
Water Stewardship Fund	—	13.6	—	13.6	(13.6)
Treatment Surcharge Stabilization Fund	3.2	—	—	(3.2)	—
Decrease in Water Rate Stabilization Fund	23.0	—	—	(23.0)	—
Sub-total Fund Withdrawals	**146.5**	**134.1**	**120.6**	**(12.4)**	**(13.6)**
TOTAL SOURCES OF FUNDS	**1,968.5**	**1,944.9**	**2,060.9**	**(23.6)**	**116.1**

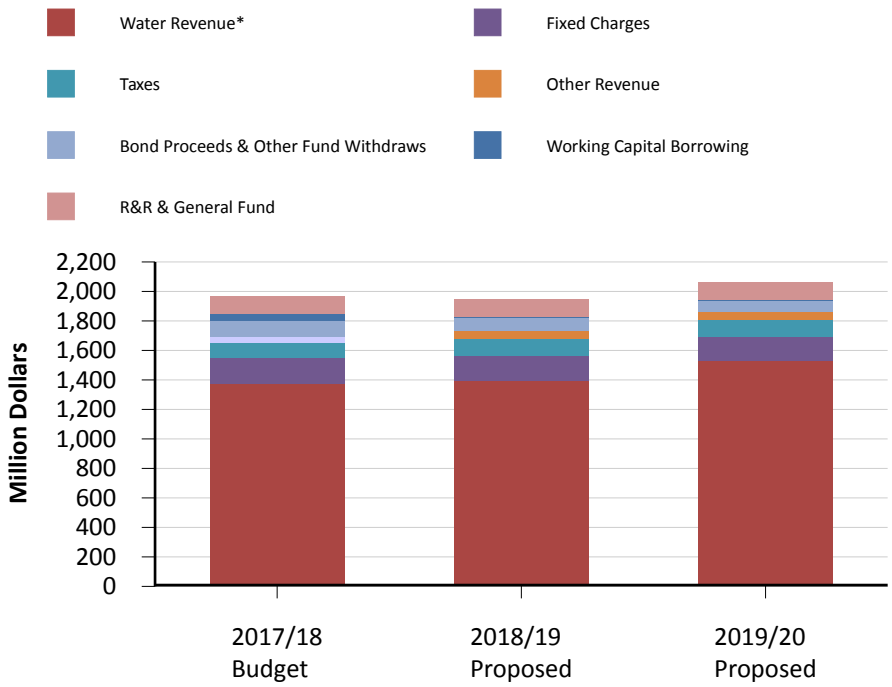
Totals may not foot due to rounding.

(1) includes revenues from water sales, exchanges and wheeling

OPERATING REVENUE

Estimated revenues from water rates, fixed charges (Readiness–To–Serve Charge and Capacity Charge), taxes and annexation fees, and other miscellaneous income (interest income, power recovery, etc.) are projected to be $1.73 billion for FY 2018/19 and $1.86 billion for FY 2019/20. For FY 2018/19, this is $36.4 million more than the FY 2017/18 budget, and for FY 2019/20, this is $129.6 million more than FY 2018/19. The increase in revenues for FY 2018/19 is due to higher tax revenues and higher water rates and charges in Calendar Year 2019. For FY 2019/20, the revenue is higher due to higher water rates and charges in calendar year 2019 and calendar year 2020. In addition, the forecast assumes the ad valorem tax rate is maintained at .0035 percent of assessed valuations. A description of each revenue source is included in the Glossary of Terms.

Sources of Funds FY 2018/19 and FY 2019/20, $ millions

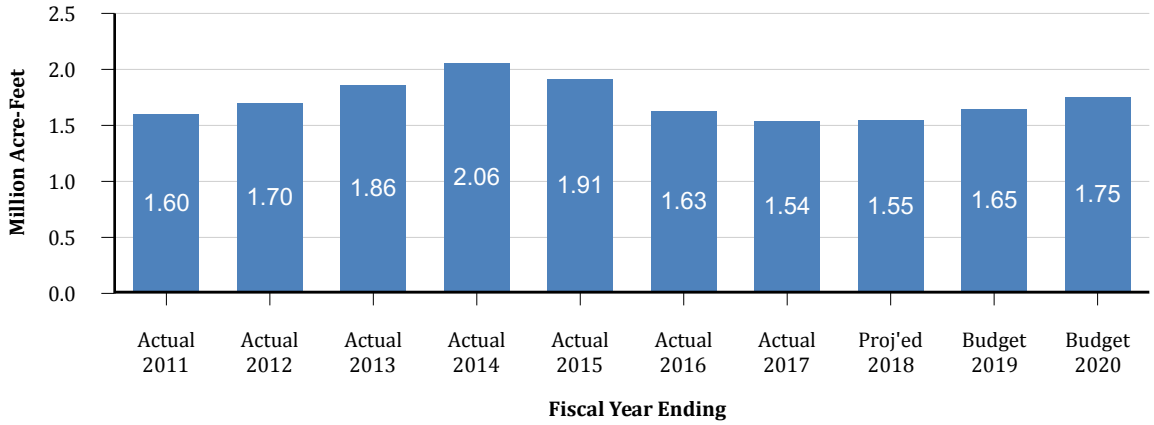


* includes revenues from water sales, exchanges and wheeling

Water Revenues

Revenues from water transactions are budgeted at $1,395.5 million in FY 2018/19 and $1,528.5 million in FY 2019/20. Water rates and charges are proposed to increase by 3.0 percent overall effective January 1, 2019 and 3.0 percent overall effective January 1, 2020. Water transactions for FY 2018/19 are estimated to be 1.65 million acre–feet (MAF), a decrease of 50 thousand acre-feet (TAF) from the FY 2017/18 budget. Water transactions for FY 2019/20 are estimated to be 1.75 million acre-feet (MAF), an increase of 100 thousand acre-feet (TAF) from the FY 2018/19 budget. Water transactions are forecasted to be lower than the FY 2017/18 budget as southern California is coming off a record wet year and local supplies are robust.

Water Transactions Trend, MAF



The FY 2018/19 fiscal year water transactions include 1.42 MAF of firm sales and 227 TAF of exchange water to the San Diego County Water Authority (SDCWA) pursuant to the 2003 Amended and Restated Exchange Agreement (exchange water). Treated water sales are estimated at 839 TAF, or 51 percent of total water transactions in FY 2018/19. The FY 2019/20 fiscal year water transactions include 1.49 MAF of firm sales and 258 TAF of exchange water. Treated sales are estimated at 884 TAF, or 51 percent of total water transactions in FY 2019/20. The figure above shows the trend of water transactions.

Taxes and Annexation Fees

Revenues from taxes, which will be used to pay voter–approved debt service on general obligation bonds and a portion of the capital costs of the SWP, are estimated to be $116.6 million in FY 2018/19 and $118.1 million in FY 2019/20.

The ad valorem tax rate is assumed to remain at the current level of .0035 percent of assessed value in both fiscal years; assessed valuations are projected to increase by 2.5 percent each fiscal year.

Fixed Charges

Fixed charges include the Capacity Charge and Readiness–to–Serve Charge. In FY 2018/19, these charges are estimated to generate $33.8 million and $136.5 million, respectively. In FY 2019/20, these charges are estimated to generate $31.3 million and $134.5 million, respectively. In total this represents a $2.4 million decrease from the FY 2017/18 to FY 2018/19 budget, and a $4.5 million decrease from the FY 2018/19 to the FY 2019/20 budget. Fixed charges are decreasing due to lower peak demands on the distribution system, and lower SWP transportation capital costs.

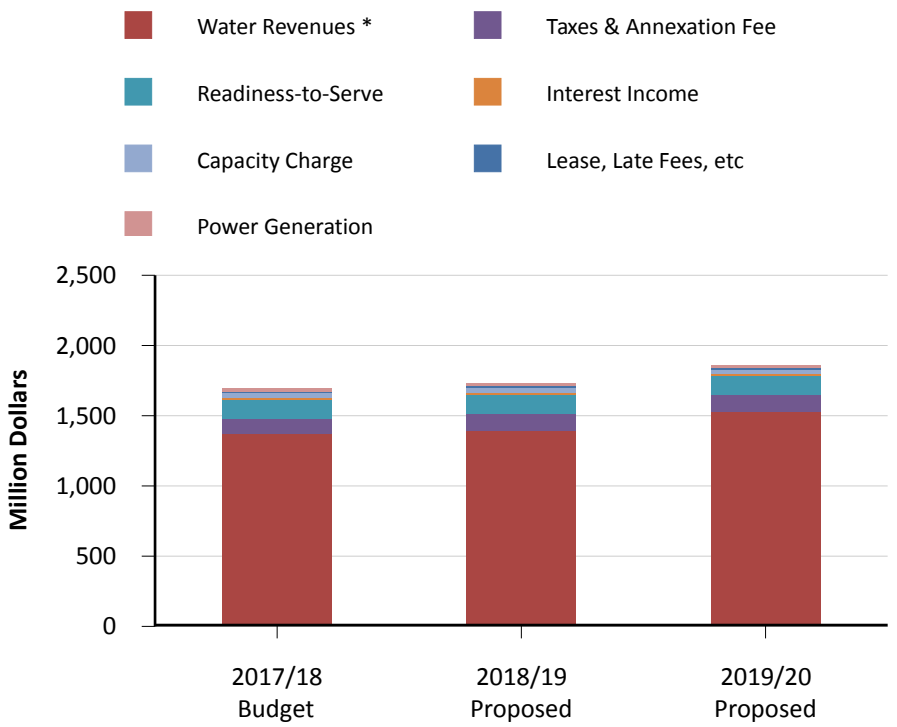
All Other Revenue

Revenues from hydroelectric and CRA power sales are estimated to be $20.9 million for FY 2018/19 and $19.1 million for FY 2019/20. FY 2018/19 is lower than the FY 2017/18 budgeted amount of $21.6 million due to lower deliveries through the distribution system and lower wholesale prices.

Miscellaneous revenues, including interest income and lease revenues, are estimated to total $28.2 million for FY 2018/19 and $29.8 million for FY 2019/20 (including trust accounts and construction funds), higher than the FY 2017/18 budgeted amounts of $24.6 million, mainly due to higher assumed interest rates.

A summary of operating revenues is shown in the graph below.

Operating Revenues, $ millions



* includes revenues from water sales, exchanges and wheeling

CAPITAL FUNDING

The FY 2018/19 and FY 2019/20 Capital Investment Plan (CIP) will be funded with bond proceeds and current operating revenues (PAYGo). It is anticipated that Metropolitan will issue $80 million in new revenue bonds in FY 2018/19 and $80 million in new revenue bonds in FY 2019/20. Combined with revenue funded capital of $120.0 million in FY 2018/19 and $120.0 million in FY 2019/20, Metropolitan will be able to fully fund the CIP.

Please refer to the section on debt financing for additional details on debt funding of capital projects.

Capital Funding Source Descriptions

New Bond Issues

Metropolitan has the ability to issue long–term bonds to fund its capital programs. The proceeds of the bond sales can be used to pay for capital expenses over several years. The repayment of the bonds is generally over 30 years and is paid from water rate revenues.

Revenue Funded Capital

Annual capital expenses that are not paid from debt funding, grants, or loans must be paid from revenues, either from current year revenues or from the R&R fund, if funds exist.

USES OF FUNDS

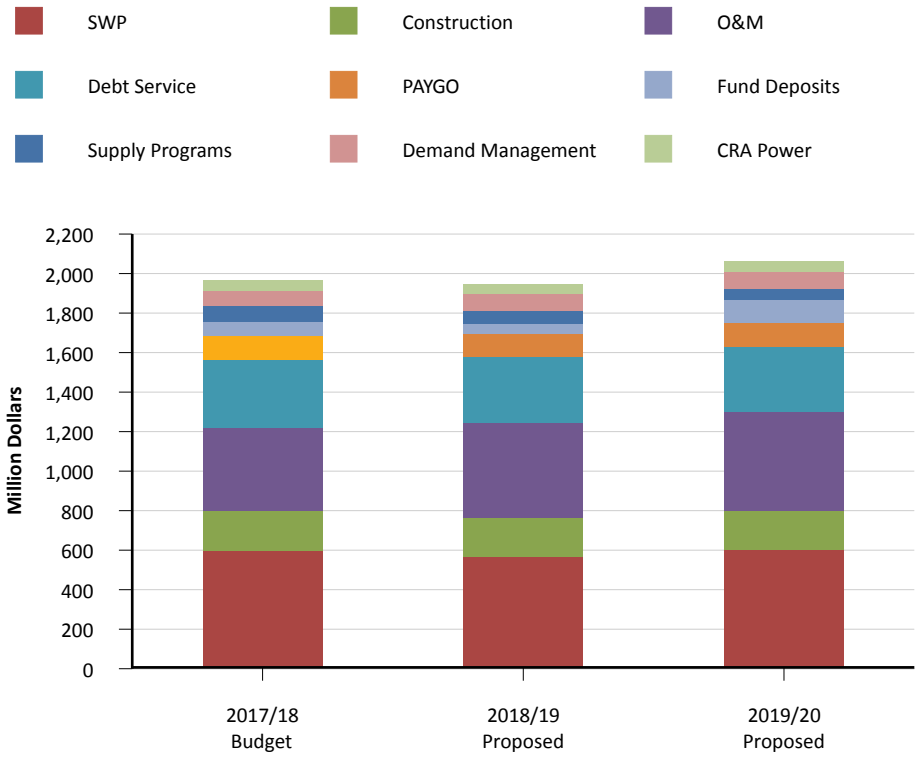
Total uses of funds are $1.94 billion for FY 2018/19 and $2.06 billion for FY 2019/20. The table and graph below show the breakdown of expenditures and other obligations that make up the Uses of Funds.

Total Uses of FY 2018/19 and FY 2019/20 Funds, $ millions

	2017/18 Budget	2018/19 Proposed	2019/20 Proposed	2018/19 Proposed Compared to 2017/18 Budget	2019/20 Proposed Compared to 2018/19 Proposed
USES OF FUNDS					
Expenses					
State Water Contract	599.4	566.7	602.5	(32.7)	35.8
Supply Programs	81.7	61.2	54.4	(20.6)	(6.8)
Colorado River Power	54.4	45.8	52.9	(8.5)	7.1
Debt Service	344.1	332.0	330.9	(12.1)	(1.0)
Demand Management	75.9	89.1	85.8	13.1	(3.2)
Departmental O&M	388.7	441.9	461.7	53.2	19.8
Treatment Chemicals, Sludge & Power	24.6	27.1	27.7	2.5	0.6
Other O&M	6.4	8.5	7.0	2.1	(1.6)
Sub-total Expenses	**1,575.3**	**1,572.2**	**1,623.0**	**(3.1)**	**50.8**
Capital Investment Plan	200.0	200.0	200.0	—	—
Fund Deposits					
R&R and General Fund	120.0	120.0	120.0	—	—
Water Stewardship Fund	—	—	4.8	—	4.8
Exchange Agreement Set-aside	47.4	—	—	(47.4)	—
Treatment Surcharge Stabilization Fund	—	6.6	16.5	6.6	9.9
Interest for Construction & Trust Funds	0.4	0.2	0.2	(0.1)	—
Increase in Required Reserves	25.4	31.6	41.3	6.2	9.7
Increase in Water Rate Stabilization Fund	—	14.2	55.2	14.2	41.0
Sub-total Fund Deposits	**193.2**	**172.7**	**238.0**	**(20.5)**	**65.3**
TOTAL USES OF FUNDS	**1,968.5**	**1,944.9**	**2,060.9**	**(23.6)**	**116.1**

Totals may not foot due to rounding.

Total Uses of FY 2018/19 and FY 2019/20 Funds, $ millions



Colorado River Aqueduct Power

CRA power costs are projected to be $45.8 million in FY 2018/19 and $52.9 million in FY 2019/20 based on diversions of approximately 838 TAF in FY 2018/19 and 915 TAF in FY 2019/20. FY 2018/19 is lower than the FY 2017/18 budget due to lower diversions at Intake. FY 2019/20 is $7.1 million higher due to higher costs for Hoover and Parker federal contracts and more supplemental power purchases and associated costs.

Please refer to the section on the CRA for additional details on this expense.

State Water Project

State Water Project (SWP) expenditures are budgeted at $566.7 million for FY 2018/19 and $602.5 million in FY 2019/20. This is based on Metropolitan's supplies of 908 TAF in FY 2018/19 and 907 TAF in FY 2019/20. SWP power costs are expected to be $167.3 million for FY 2018/19 and $174.8 million for FY 2019/20. Power costs are lower due to favorable markets for wholesale power and natural gas, and renewable solar and wind projects.

The forecasted amount for SWP expenditures reflects incorporation of rate management credits into the forecast. Rate management credits result from a provision of the State Water Contract that provides for the reduction of capital charges based on differences between the Department of Water Resources' collections from the SWP contractors and the actual amounts paid for capital–related charges.

Please refer to the section on the SWP for additional details on this expense.

Demand Management Costs

Metropolitan provides financial incentives to its member agencies for the development of local water recycling and groundwater recovery projects through the Local Resource Program (LRP). Metropolitan also provides financial incentives for the development of conservation programs through the Conservation Credits Program (CCP). Total expenditures are budgeted at $89.1 million for FY 2018/19 and $85.8 million in FY 2019/20.

Please refer to the section on Demand Management for additional details on this expense.

Supply Programs

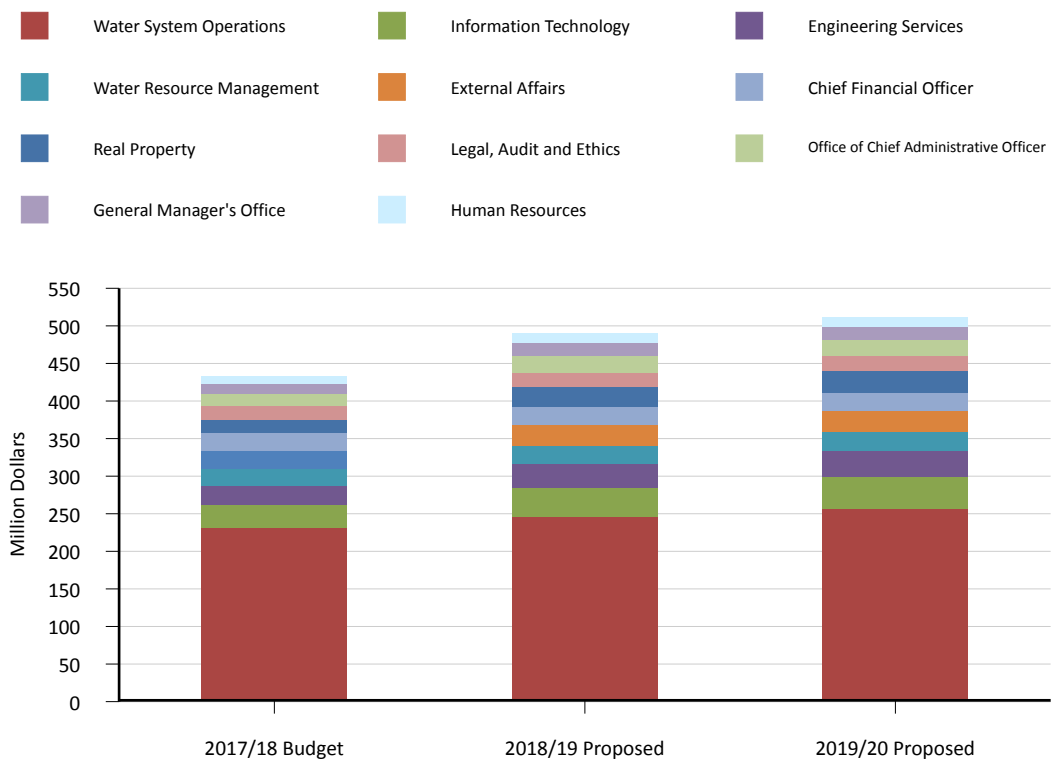
Metropolitan's two principal sources of supply draw from two different watersheds. This has allowed Metropolitan to draw more heavily on one source in the event the other is experiencing a drought. To further ensure regional supply reliability, Metropolitan has developed a portfolio of additional supply programs on both watersheds. Total expenditures are budgeted at $61.2 million for FY 2018/19 and $54.4 million in FY 2019/20.

Please refer to the section on the Supply Programs for additional details on this expense.

OPERATIONS AND MAINTENANCE

The FY 2018/19 O&M budget, including operating equipment purchases, is $477.5 million. This is $57.7 million, or 13.8% percent, higher than the FY 2017/18 budget of $419.8 million. The FY 2019/20 O&M budget is $496.4 million, an increase of $18.9 million, or 3.9% percent, over the FY 2018/19 budget.

Departmental Budget by Organization (without operating equipment and overhead credit), $ millions



Operations and Maintenance Budget by Organization, $ thousands

Departmental Units	2017/18 Budget	2018/19 Proposed	2019/20 Proposed	2017/18 Budget vs. 2018/19 Proposed	% Change	2018/19 Proposed vs. 2019/20 Proposed	% Change
Office of the General Manager	$13,430.9	$18,083.1	$17,470.3	$4,652.2	34.6%	($612.8)	(3.4%)
Water System Operations w/o Variable Treatment	204,657.0	218,696.1	228,606.7	14,039.1	6.9%	9,910.6	4.5%
Water Resource Management	22,040.6	23,946.2	25,066.0	1,905.6	8.6%	1,119.8	4.7%
Engineering Services	25,312.4	32,937.7	33,865.0	7,625.3	30.1%	927.3	2.8%
Office of Chief Administrative Officer	16,448.1	21,648.0	21,428.7	5,199.9	31.6%	(219.3)	(1.0%)
Information Technology	31,359.8	38,009.1	43,261.5	6,649.3	21.2%	5,252.4	13.8%
Real Property	18,262.7	26,338.3	28,209.3	8,075.6	44.2%	1,871.0	7.1%
Human Resources	10,221.3	12,342.4	12,881.5	2,121.2	20.8%	539.1	4.4%
Chief Financial Officer	23,082.3	24,561.4	25,198.1	1,479.1	6.4%	636.7	2.6%
External Affairs	24,335.1	27,604.6	27,752.2	3,269.5	13.4%	147.7	0.5%
Subtotal - General Manager's Dep.	**389,150.3**	**444,167.0**	**463,739.3**	**55,016.7**	**14.1%**	**19,572.3**	**4.4%**
General Counsel	13,777.0	14,211.0	15,202.3	433.9	3.1%	991.4	7.0%
Office of the General Auditor	3,140.8	3,620.8	3,855.0	480.0	15.3%	234.2	6.5%
Ethics Department	1,376.0	1,396.0	1,448.4	20.0	1.5%	52.4	3.8%
Overhead Credit from Construction	(20,427.4)	(21,510.2)	(22,554.0)	(1,082.8)	5.3%	(1,043.8)	4.9%
Total Departmental Budget	**387,016.7**	**441,884.5**	**461,691.0**	**54,867.8**	**14.2%**	**19,806.5**	**4.5%**
Operating Equipment	6,426.0	8,522.1	6,955.4	2,096.1	32.6%	(1,566.7)	(18.4%)
Variable Treatment	26,317.6	27,098.3	27,713.9	780.8	3.0%	615.6	2.3%
GRAND TOTAL	**$419,760.2**	**$477,504.9**	**$496,360.3**	**$57,744.7**	**13.8%**	**$18,855.4**	**3.9%**

Totals may not foot due to rounding

The graph above depicts the distribution of the departmental O&M by organization without the overhead credit and operating equipment. Including treatment costs, the Water System Operations (WSO) group accounts for 50 percent of the total departmental budget for FY 2018/19 and FY 2019/20. Information Technology is the second largest departmental expenditure area, accounting for 8 percent of the total departmental budget for FY 2018/19 and FY 2019/20. A summary of the O&M budget by organization is shown in the table above. The table below summarizes the O&M budget by expenditure type. A more detailed discussion of significant factors impacting the O&M budget follows.

FY 2018/19 and FY 2019/20 Operations & Maintenance Annual Budget by Expenditure Type, $ thousands

	2017/18 Budget	2018/19 Proposed	2019/20 Proposed	2017/18 Budget vs. 2018/19 Proposed	2018/19 Proposed vs. 2019/20 Proposed
Salaries & Benefits (1)	$273,061.3	$303,703.7	$322,637.6	$30,642.5	$18,933.9
Chemicals, Sludge and Power (2)	26,317.6	27,098.3	27,713.9	780.8	615.6
Outside Services	38,996.1	50,908.0	53,025.3	11,912.0	2,117.3
Materials & Supplies (3)	23,738.4	27,418.5	27,278.8	3,680.1	(139.7)
Other	51,221.0	59,854.3	58,749.3	8,633.3	(1,105.0)
Operating Equipment	6,426.0	8,522.1	6,955.4	2,096.1	(1,566.7)
Total	**$419,760.2**	**$477,504.9**	**$496,360.3**	**$57,744.7**	**$18,855.4**

Totals may not foot due to rounding
(1) Includes overhead credit for construction.
(2) Costs associated with treatment only.
(3) Without chemicals associated with treatment plants.

FY 2018/19 O&M Budget

The FY 2018/19 O&M budget includes $477.5 million for labor and benefits, water treatment chemicals, power, and solids handling, materials and supplies, professional services, and operating equipment purchases. This is $57.7 million, or 13.8 percent, higher than the FY 2017/18 budget of $419.8.

Salaries and Benefits: Labor costs, not including those charged to construction are $303.7 million. This is $30.6 million, or 11.2 percent, higher than the FY 2017/18 budget of $273.1 million. Negotiated labor increases represent $18.7 million, or 61.1 percent of the increase. Increases in retirement, medical and other benefits represent $7.3 million, or 23.7 percent of the increase. The remaining $4.6 million increase, or 15.2 percent, is primarily attributable to funding 14 new and 8 previously unfunded regular full time positions in the FY 2017/18 budget.

The total authorized personnel complement for the FY 2018/19 budget is 1,927 authorized positions, including 27 agency and district temporary full–time equivalents (FTEs), and reflects an increase of 14 net regular full-time positions and 3 net temporary positions from the FY 2017/18 budget. Incorporating unfunded positions and positions that are planned to be vacant for portions of the year, the total funded positions are 1,862 FTEs.

Over the biennium a total of 19 regular full-time positions will be added to accommodate increased recruitment, Board and Bay Delta support, enhanced security and land management efforts, SWP and CRA program support, increased outreach, environmental planning and business technology support, and succession planning for future vacancies.

Outside Services and Materials & Supplies: Outside Services are anticipated to increase by $11.9 million and Materials & Supplies by $3.7 million primarily as a result of the potential Regional Recycled Water Program, Seismic Headquarters Relocation Project and Bay Delta science studies, grants and sponsorships.

Other O&M and Operating Equipment: Chemicals, solids, and power reflect the cost of the water treatment process and are anticipated to increase by $0.8 million in FY 2018/19, driven by an increase in treated water deliveries. Environmental remediation and mitigation costs are anticipated to be $3.0 million higher due to the Foothill Feeder Dewatering project and Diemer Basin Rehabilitation project. Property taxes are increasing by $1.5 million for the previously unbudgeted Delta Islands and PVID properties. The FY 2018/19 budget reflects funds of $1.2 million, which were not previously budgeted, contributed by Metropolitan to advance efforts on collaborative science through various State, Federal and other agencies. In addition, the FY 2018/19 budget reflects an anticipated increase of $1.0 million in tuition reimbursement and professional development costs. Operating equipment is higher by $2.1 million primarily due to the purchase of analytical instrumentation in support of the Regional Recycled Water Program and the replacement of critical IT infrastructure for District facilities.

FY 2019/20 O&M Budget

The FY 2019/20 O&M budget is $496.4 million, an increase of $18.9 million, or 3.9% percent, compared to the FY 2018/19 budget. This increase is primarily due to negotiated labor increases and increases in retirement, medical and other benefits. The increase in outside services is offset by a decrease in environmental remediation and operating equipment costs.

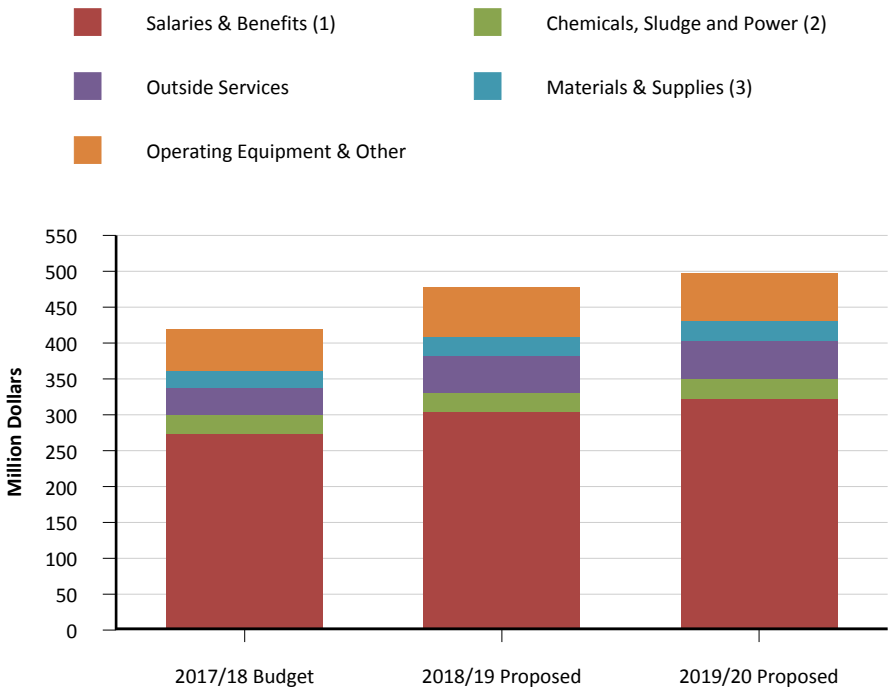
Salaries and Benefits: The FY 2019/20 O&M labor budget is about $18.9 million or 6.2 percent higher than the FY 2018/19 budget. Negotiated labor increases represent $12.5 million, or 66.2 percent of the increase. Increases in retirement, medical and other benefits represent $5.9 million, or 31.4 percent of the increase. The remaining $0.5 million increase, or 2.4 percent, is primarily attributable to funding 5 new and 1 previously unfunded regular full time position in the FY 2018/19 budget.

The total authorized personnel complement for FY 2019/20 is increased by 5 net regular full-time positions to 1,932 positions. Incorporating unfunded positions and positions that are planned to be vacant for portions of the year, the total funded positions are 1,868 FTEs.

Outside Services: Outside Services are anticipated to increase by $2.1 million due to the first year of a ten-year planned effort to refurbish all of the floors at Metropolitan's headquarters.

Other O&M and Operating Equipment –The cost of chemicals, power, and sludge disposal incurred in the water treatment process is anticipated to increase slightly by $0.6 million in FY 2019/20 due primarily to higher treated water deliveries. Other O&M is lower primarily due to the one time environmental remediation cost of $1.5 million in FY 2018/19 for the Foothill Feeder Dewatering project. Operating equipment is lower by $1.6 million from FY 2018/19. FY 2019/20 includes $2.7 million for the replacement of a plane that has reached end of life but decreases in heavy equipment, trucks, monitoring equipment and IT infrastructure more than offsets this purchase.

Departmental Budget by Expenditure Type, $ millions



(1) Includes overhead credit for construction.
(2) Costs associated with treatment only.
(3) Without chemicals associated with treatment plants.

The figure above summarizes the total departmental O&M budget by expenditure type, of which about 64 percent is for salaries and benefits in both FY 2018/19 and 2019/20.

STAFFING PLAN

Total authorized positions (including temporary workers) for FY 2018/19 and FY 2019/20 are 1,927 and 1,932 positions respectively. Total personnel are up by 14 new full time positions and 2 district temporary positions (rounded) to 1,927 in 2018/19 and increase by 5 regular full time positions and 1 district temporary position (rounded) to a total of 1,932 in FY 2019/20.

Over the biennium, positions dedicated to O&M work are expected to increase by 28 regular full time positions in large part to support the Regional Recycled Water Program, California WaterFix, dam safety monitoring, enhanced security and land management efforts, environmental planning and business technology, and increased recruitment efforts. Positions dedicated to capital work are expected to decrease slightly over the biennium.

The FY 2018/19 and FY 2019/20 budget includes unfunded positions and positions that are planned to be vacant for portions of the year in order to manage O&M labor costs. Therefore, funded positions are lower than the authorized complement. The personnel complement is shown in the following tables.

Regular and Temporary Positions

	2016/17 Budget	2017/18 Budget	2018/19 Proposed	2019/20 Proposed	2017/18 Budget vs. 2018/19 Proposed	2018/19 Proposed vs. 2019/20 Proposed
Regular Full Time Positions	1,886	1,886	1,900	1,905	14	5
District Temporary Positions	22	20	22	23	2	1
Agency Temporary Positions	4	4	5	4	1	—
Total	**1,912**	**1,910**	**1,927**	**1,932**	**17**	5

Totals may not foot due to rounding.

O&M and Capital Staffing Levels

	2017/18 Budget	2018/19 Proposed	2019/20 Proposed
O&M Positions			
Regular Full Time Positions	1,592	1,618	1,620
District & Agency Temporary Positions	23	25	25
Total O&M	**1,615**	**1,643**	**1,645**
Capital Positions			
Regular Full Time Positions	294	282	285
District & Agency Temporary Positions	1	2	2
Total Capital	**295**	**284**	**287**
GRAND TOTAL	**1,910**	**1,927**	**1,932**

Totals may not foot due to rounding.

CAPITAL INVESTMENT PLAN

The CIP budget for FY 2018/19 and 2019/20 is forecasted at $200.0 million in both fiscal years. It is anticipated to be funded by current operating revenues (i.e., PAYGo) and by issuing new revenue bonds. The FY 2019/20 capital budget is flat with the FY 2017/18 budget.

The two largest areas of expenditures in the FY 2018/19 and 2019/20 CIP are Infrastructure Reliability and Water Quality. It is currently anticipated that infrastructure expenditures will continue to grow as more facilities reach the end of their service life and require rehabilitation and refurbishment.

The CIP is discussed in more detail in the CIP supplemental volume.

Cash Funded Capital

Overall, the CIP is anticipated to be funded 60 percent by current operating revenues (PAYGo). The PAYGO funding for FY 2018/19 and 2019/20 is budgeted at $120.0 million in each fiscal year.

Debt Funded Capital

Overall, the CIP is anticipated to be funded 40 percent by revenue bond proceeds. New debt issues are planned in FY 2018/19 in the amount of $80 million, and in FY 2019/20 in the amount of $80 million. Given construction funds expected to be available at the beginning of the biennial budget period and planned PAYGo amounts, these bond issues should provide sufficient funds to meet CIP expenditures over the two years.

Debt Service

For FY 2018/19 and FY 2019/20 Metropolitan plans to issue new revenue bond debt as described above. Debt service payments in FY 2018/19 are budgeted at $332.0 million and $330.9 million in FY 2019/20. Please refer to the section on Capital Financing for additional details on this expense.

FUND BALANCES AND RESERVES

Metropolitan operates as a single enterprise fund for financial statements and budgeting purposes. Through its administrative code, Metropolitan identifies a number of accounts, which are referred to as funds, to separately track uses of monies for specific purposes as summarized in the table below.

The FY 2018/19 budget forecasts a $13.8 million increase in reserves by June 30, 2019 and includes the Water Rate Stabilization Fund (WRSF) and the Revenue Remainder Fund. In addition, required reserves and increases to the Treatment Surcharge Stabilization Fund (TSSF), Water Management Fund (WMF) and the Water Stewardship Fund (WSF) are projected to decrease by $7.0 million.

The FY 2019/20 budget forecasts a $67.8 million increase in reserves by June 30, 2020 and includes the WRSF and the Revenue Remainder Fund. In addition, required reserves and changes to the TSSF and WSF are expected to increase by a net of $21.2 million.

Fund balances are budgeted to be $1.19 billion at June 30, 2019. Of that total, $683.6 million is restricted by bond covenants, contracts, or board policy, and $506.6 million is unrestricted. Fund balances are budgeted to be $1.31 billion at June 30, 2020. Of that total, $712.0 million is restricted by bond covenants, contracts, or board policy, and $595.6 million is unrestricted.

On June 30, 2019, the targets for the minimum and target reserve funds are estimated to be $256.9 million and $626.4 million, respectively. Based on projected revenues and expenditures, it is estimated that the balance in the WRSF and Revenue Remainder Fund will total about $415.2 million, about $158.3 million over the minimum level.

On June 30, 2020, the targets for the minimum and target reserve funds are estimated to be $269.5 million and $654.4 million, respectively. Based on projected revenues and expenditures, it is estimated that the balance in the WRSF and Revenue Remainder Fund will total about $483.0 million, about $213.5 million over the minimum level.

Projected Fund Balances, $ millions

	Restricted	Designated	Unrestricted	Total
2018/19 Proposed				
Operating Funds	332.7	0.0	0.0	332.7
Debt Service Funds	264.3	0.0	0.0	264.3
Construction Funds	15.6	6.8	0.0	22.4
Reserve Funds (1)	0.0	0.0	415.2	415.2
Rate Stabilization Funds (2)	0.0	84.6	0.0	84.6
Trust and Other Funds	70.9	0.0	0.0	70.9
Total June 30, 2019	**683.6**	**91.3**	**415.2**	**1,190.2**
2019/20 Proposed				
Operating Funds	364.5	0.0	0.0	364.5
Debt Service Funds	261.2	0.0	0.0	261.2
Construction Funds	15.3	6.8	0.0	22.1
Reserve Funds (1)	0.0	0.0	483.0	483.0
Rate Stabilization Funds (2)	0.0	105.8	0.0	105.8
Trust and Other Funds	70.9	0.0	0.0	70.9
Total June 30, 2020	**712.0**	**112.6**	**483.0**	**1,307.5**

Totals may not foot due to rounding.

(1) includes Water Rate Stabilization Fund and Revenue Remainder Fund.

(2) includes Water Stewardship Fund and Treatment Surcharge Stabilization Fund

UNDERSTANDING THE LAYOUT OF THE DEPARTMENTAL BUDGET

DEPARTMENTAL/GROUP BUDGET

The Departmental Section provides detailed information about the Operations and Maintenance (O&M) budget of each group and department and consists of the following:

Mission

Describes, at a high level, the scope of the organization's functions.

Programs

Describes the organizations roles and responsibilities by program or section and provides a summary organizational chart.

Goals & Objectives

Summarizes the goals & objectives each organization proposes to accomplish in the upcoming fiscal years.

O&M Financial Summary

Provides a summary of the organization's O&M budgets. For FY 2018/19 and FY 2019/20, O&M expenditures are identified by expense categories such as salaries and benefits, professional services, and "other" expenditures and incorporate the group objectives.

Expense Category

Category	Description
Salaries and Benefits	Labor costs and fringe benefits for Metropolitan's regular, district temporary, and agency temporary employees. Total salaries and benefits, direct charges to capital, and O&M salaries are shown.
Professional Services	All costs associated with work performed by outside contractors and consultants.
Operating Equipment	Costs associated with the purchase of capitalized portable equipment, including automobiles, trucks, servers, and other applicable portable equipment.
Other	Cost of purchasing chemicals, materials and supplies, reprographics, travel, telephone, and other necessary items for effective operation of Metropolitan. A breakdown has been provided to itemize those expense categories that are five percent or more of the "other" category.

O&M Budget by Section

Provides a summary of the organization's O&M budget and personnel count by section or program.

Personnel Summary

Provides a breakdown for the organization of total personnel involved in O&M and capital work.

Budget Highlights

Identifies the major factors of the budget variance over the biennium as well as any significant changes by budget year.

OFFICE OF THE GENERAL MANAGER

The Office of the General Manager manages and administers all Metropolitan activities except those functions specifically delegated by statutes and Board order to the General Counsel, General Auditor, or Ethics Officer.

PROGRAMS

The Office of the General Manager provides overall leadership and management of Metropolitan's mission. This includes the management of all matters pertaining to the business of the Board and research on actions and policies of the Board by staff for directors, member agencies, and the public.

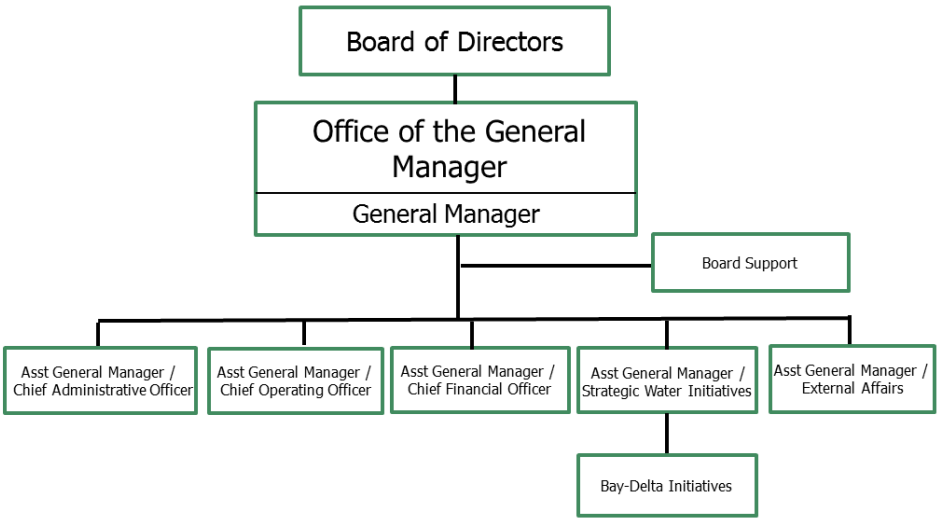
The General Manager's Business Plan outlines the strategic priorities that this office and Metropolitan will focus on for the period covered by the Biennial Budget.

The Office of the General Manager accomplishes its mission through the following programs or sections:

Office of the General Manager is responsible for the management and administration of Metropolitan's activities including the management of all matters pertaining to the business of the Board and research on actions and policies of the Board by staff for directors, member agencies, and the public.

Bay–Delta Initiatives spearheads efforts toward advancement of the State's Proposed Delta Improvements, including the California WaterFix and EcoRestore and the pursuit of the best scientific research to protect and restore fish, wildlife, and the Delta's ecosystem while ensuring water supply reliability.

Board of Directors provides policy and direction as the governing body of the Metropolitan Water District. The Board Support Team provides administrative support to the business of the Board.



GOALS AND OBJECTIVES

The following strategic priorities in the General Manager's Business Plan reflect the funding emphasis in the proposed budget and highlight items that will be the focus of Board and staff attention over the next two years.

Strategic Priority #1: Enhance Infrastructure Safety, Security and Resiliency

Metropolitan's vast network of aqueducts, pipelines, pumps and treatment facilities are the backbone of Southern California's regional water system. Metropolitan's flexible and adaptable system enables Metropolitan to move water across six counties from where it is sourced to where it is needed. Our robust treatment and delivery infrastructure allowed Metropolitan to supply Southern California almost entirely with Colorado River water in 2015 and then flip to delivering almost all Northern California water in 2017. However, this vital infrastructure is aging and heightened reinvestment in this system is essential to ensure Metropolitan can continue to deliver on its promise of reliability in the coming decades.

In the past, the bulk of Metropolitan's Capital Investment Program was focused on large-scale projects such as Diamond Valley Lake, the Inland Feeder and the Ozone Retrofit Program with repair and replacement projects being secondary. The focus of our CIP has now shifted largely to reinvestment in our existing infrastructure. These projects will ensure the long-term reliability of Metropolitan's critical infrastructure and build seismic resilience into our facilities. In 2000, Metropolitan's annual CIP was nearly $600 million for approximately100 projects. Over the next budget cycle, Metropolitan will be managing nearly 400 individual capital projects for a $200 million CIP. This requires changes in organization and management of our capital program and is reflected in our budgeting actions and staffing plans.

The four critical areas of focus will be the ongoing rehabilitation of the Colorado River Aqueduct, pre-stressed concrete cylinder pipe replacement, system seismic hardening and physical and cyber security. Staff will be bringing numerous action items to the Board in these areas and will be discussing with the Board strategies on best management techniques for handling the shifting nature of our CIP.

Strategic Priority #2: Prepare for More Extreme Hydrology

Maximize Storage Opportunities*:* The recent historic drought cycle sequence highlighted the enormous value of Metropolitan's regional storage investments. Over the past decade, California has had eight drought years with two wet years. To meet regional demands, Metropolitan drew on storage heavily in most years over this period but was able to take full advantage of the wetter years to restore storage reserves. But for Metropolitan's robust storage portfolio and conveyance capabilities, Southern California would have faced severe shortages this past decade. Regional storage has become increasingly critical to maintaining water supply reliability in the face of increasing water supply volatility due to climate change. Staff will work closely with the Board to assess Metropolitan's storage capabilities, current strategies and review future needs to identify whether new strategies and/or new investments are needed.

Promote Innovation and Efficiency in Water Use: Water use efficiency and conservation investments were also essential to managing through the historic drought by reducing regional demands nearly 25 percent. Metropolitan is a national leader in water conservation and reached a significant milestone in 2017 by achieving more than one million acre-feet per year in annual water savings. Most of this progress was built on Metropolitan's successful rebate programs and advocacy to change codes and standards. To build on that success, Metropolitan will examine new opportunities to leverage technology and innovation to promote conservation, efficient water use and water stewardship through a comprehensive demand management program that includes investments in research, innovation and public education along with targeted incentives for the residential, commercial, industrial and institutional sectors.

Strategic Priority #3: Ensure Imported Supply Reliability

Southern California's foundational water supply remains the Colorado River and the State Water Project and their ongoing reliability is critical for the region. Important decisions on both supplies need to be made over the next two years.

The emphasis for the State Water Project will be on maintaining the momentum of the decisions by water contractors regarding financing California WaterFix and beginning the logistical and management work for project construction. Simultaneously, staff will be working with the state to extend the State Water Project Contract, complete repairs at Oroville reservoir and review the status and upkeep of all SWP facilities. Also essential will be strategic investments regarding science and restoration of the Delta ecosystem in support of the co-equal goals of water supply reliability and environmental restoration. This includes support for California EcoRestore projects, salmon and smelt resiliency plans, and development of a multiuse, long-term plan for Metropolitan's Delta Islands.

On the Colorado River, the emphasis over the next year will be on completing the Drought Contingency Plan to provide stability on the Colorado River while protecting Metropolitan's supplies and access to storage in Lake Mead. Additionally, staff will analyze the combined impacts of long-term hydrological conditions and various competing demands, including pending tribal water rights litigation and environmental interests, such as the Salton Sea, to ensure Metropolitan's Colorado River water supplies remain protected and reliable. Finally, Metropolitan will continue to work proactively to manage its Palo Verde lands in a way that supports long-term water supply goals and a vibrant agricultural economy in the region.

Strategic Priority #4: Maximize Local Resources

In 2018, construction of the Regional Recycled Water Advanced Purification Center demonstration facility in partnership with the Sanitation Districts of Los Angeles County will be completed. While Metropolitan learns about the technical and water quality aspects of the project to optimize design of treatment processes for a full-scale facility, staff will begin work with the Board and member agencies on a review of the institutional issues associated with the Regional Recycled Water Program and its relationship to Metropolitan's ongoing Local Resources Program. This review will address a variety of issues related to the Program and seek Board policy direction. The issues addressed will include how project costs would be allocated, how revenues would be collected, what form water delivery would take to local agencies, cooperation and cost sharing with non-member agencies, and other policy issues.

Strategic Priority #5: Promote Environmental Stewardship and Sustainability

Metropolitan has undertaken a comprehensive program of environmental stewardship both internally and externally. In the course of accomplishing its mission and mitigating for impacts of its projects and operations, Metropolitan establishes and manages open space, and partners with other organizations to preserve and support native species and habitat. In the coming years, Metropolitan will continue to lead with programs that promote actions that support sustainable practices, reduce greenhouse gas emissions and protect natural habitat and water quality. A comprehensive risk management strategy is needed to address the uncertainty and threat associated with climate change. As understanding of climate change impacts advances, Metropolitan will develop and implement strategies to improve resiliency, reduce risk and increase sustainability for infrastructure, water systems and the ecosystems.

Strategic Priority #6: Foster Leadership and Strengthen Workforce Capabilities

More than half of Metropolitan's workforce has reached retirement age, including many members of Metropolitan's executive management team. The retirement rate at Metropolitan is now slightly more than 100 employees a year and will remain at that level through this budget cycle. This is a challenge to the District's capacity to adequately train and prepare its workforce but is also an opportunity to build a workforce geared for the challenges of the future. To retain essential agency knowledge capture and ensure smooth leadership transitions, Metropolitan will expedite internal promotions and recruitment processes, and augment employee development training programs

to ensure employees have the knowledge and technological skills to compete in today's competitive job environment. Succession planning actions will be enhanced to increase the availability of experienced and capable employees prepared to assume critical roles as they become available, building on Metropolitan's current successful apprenticeship program and management academies. While Metropolitan's workforce is becoming increasingly more diverse, Metropolitan will continue to foster an inclusive workplace, promoting a safe and discrimination-free work environment, and provide opportunities for all employees to use their diverse talents to support the District's mission.

Strategic Priority #7: Maintain Sound Business Practices and Fiscal Integrity

Metropolitan will continue its longstanding practice of operating in a productive, cost-effective, transparent and efficient manner to ensure sound financial stability. Metropolitan holds some of the nation's highest credit ratings for government agencies by maintaining strong reserves and limiting its use of debt. Long-term investments will be made through a prudent combination of long-term funding sources as well as annual rate revenues. Capital expenses will continue to be funded at a significant level on a pay as-you-go (PAYGO) basis per Board policy. Potential investments such as modernizing the State Water Project with California WaterFix would be phased in over time and have been prudently built into Metropolitan's rate projections. Staff will ensure that expenditures on WaterFix will be regularly reported to the Board and the public in a clear and transparent manner.

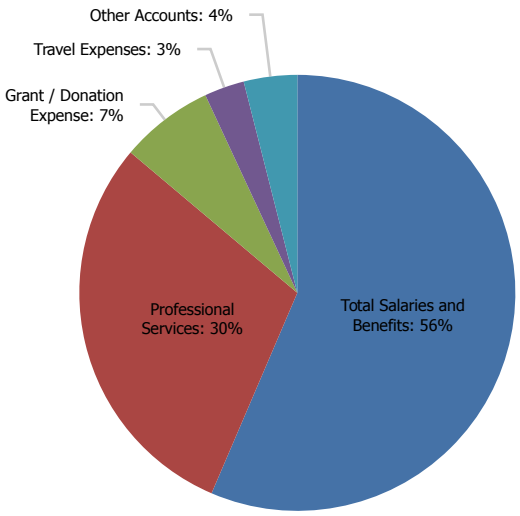
After a decade of virtually no rate increases, then a few steep catch up years in 2009 and 2010, Metropolitan's overall rate increases have stabilized over the past four years to close to the rate of inflation. Thanks to prudent management of Metropolitan's capital program, reduction in debt load and management of labor costs, the proposed budget limits overall rate increases to three percent in each year while it continues funding Metropolitan's PAYGO policy, paying down Metropolitan's Pension and Other Post Employment Benefit liability, and expanding Metropolitan's conservation and demand management programs. Most importantly, due to the continued sound financial management practices of Metropolitan, the ten-year financial forecast predicts overall rate increases will remain within the three to five percent range over the next decade.

O&M FINANCIAL SUMMARY

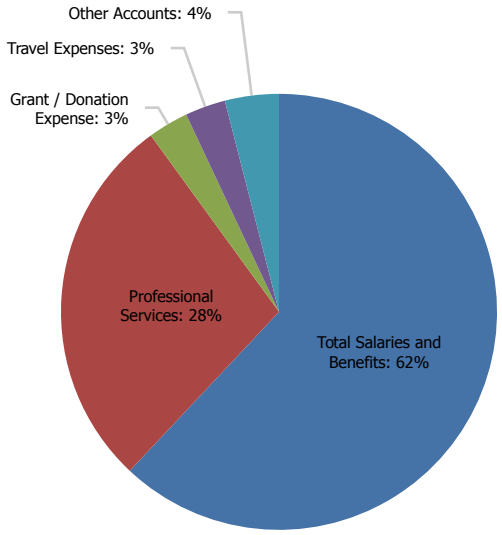
	2016/17 Actual	2017/18 Budget	2018/19 Proposed	Change from 2017/18	2019/20 Proposed	Change from 2018/19
Total Salaries and Benefits	9,346,100	9,169,600	10,381,400	1,211,800	10,980,400	599,000
Direct Charges to Capital	*0*	*0*	*(87,900)*	*(87,900)*	*(93,100)*	*(5,200)*
Total Salaries and Benefits	**9,346,100**	**9,169,600**	**10,293,500**	**1,123,900**	**10,887,300**	**593,800**
% Change		(1.9%)		12.3%		5.8%
Professional Services	3,522,900	3,353,600	5,337,500	1,983,900	4,920,000	(417,500)
Conferences & Meetings	100,000	108,400	115,200	6,800	114,800	(400)
Grant / Donation Expense	423,300	—	1,225,000	1,225,000	525,000	(700,000)
Materials & Supplies	52,300	33,600	269,300	235,700	261,100	(8,200)
Travel Expenses	476,700	571,900	573,100	1,200	508,400	(64,700)
Other Accounts	157,800	193,900	269,500	75,600	253,700	(15,800)
Total O&M	**14,079,100**	**13,431,000**	**18,083,100**	**4,652,100**	**17,470,300**	**(612,800)**
% Change		(4.6%)		34.6%		(3.4%)

Note – Totals may not foot due to rounding.

FY 2018/19 BUDGET BY EXPENDITURE

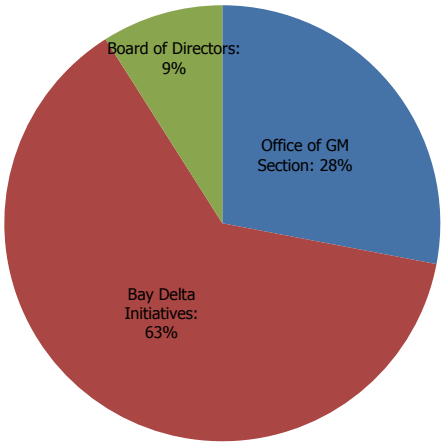


FY 2019/20 BUDGET BY EXPENDITURE

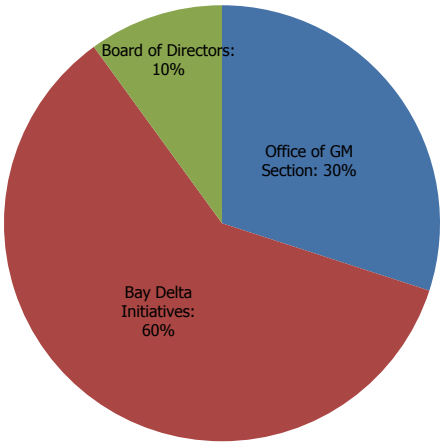


O&M BUDGET BY SECTION

FY 2018/19 BUDGET BY SECTION



FY 2019/20 BUDGET BY SECTION



	2017/18 Budget	2018/19 Proposed	Change from 2017/18	2019/20 Proposed	Change from 2018/19	Personnel Budget 17/18	18/19	19/20
Office of GM Section	4,273,200	5,001,700	728,400	5,224,100	222,500	12	13	13
Bay Delta Initiatives	7,939,100	11,432,500	3,493,400	10,545,800	(886,700)	19	19	19
Board of Directors	1,218,500	1,649,000	430,400	1,700,400	51,400	5	6	6
Total O&M	**13,430,900**	**18,083,100**	**4,652,200**	**17,470,300**	**(612,800)**	**36**	**38**	**38**

Note – Totals may not foot due to rounding.

PERSONNEL SUMMARY

		2016/17 Actual	2017/18 Budget	2018/19 Proposed	Change from 2017/18	2019/20 Proposed	Change from 2018/19
Regular		**32.8**	**35.0**	**37.0**	**2.0**	**37.0**	**—**
	O&M	32.8	35.0	36.5	1.5	36.5	—
	Capital	—	—	0.5	0.5	0.5	—
Temporary		**1.3**	**0.5**	**1.1**	**0.6**	**1.1**	**—**
	O&M	1.3	0.5	1.1	0.6	1.1	—
	Capital	—	—	—	—	—	—
Total Personnel		**34.1**	**35.5**	**38.1**	**2.6**	**38.1**	**—**
	O&M	34.1	35.5	37.6	2.1	37.6	—
	Capital	—	—	0.5	0.5	0.5	—

Note – Totals may not foot due to rounding.

BUDGET HIGHLIGHTS

The Office of the General Manager's O&M Biennial Budget is $18.1 million in FY 2018/19 and $17.5 million in FY 2019/20 or an increase of 34.6% and a decrease of 3.4% respectively from the prior budget years. The main factors affecting these changes:

- Increase in staffing by two positions to accommodate increased support for the Board and Bay Delta efforts.
- Professional services reflect ramped up activities related to Bay Delta science, Delta Islands operations, regulatory activities and Colorado River supply activities.
- Grant expense reflects funds, which were not previously budgeted, contributed by Metropolitan to advance efforts on collaborative science through various State, Federal and other agencies.

The following are the significant changes by budget year.

FY 2018/19

Personnel–related issues

Total personnel count increased by one regular position in the Board Support Team and one regular position for Bay Delta efforts.

Capital labor (one regular FTE) is budgeted for Delta Islands projects.

Salaries and Benefits reflect negotiated labor increases.

Professional Services

The budget reflects ramped up activities related to Bay Delta science, Delta Islands operations, regulatory activities and Colorado River supply activities.

Grant Expense

Contributions to various agencies were not budgeted in FY 2017/18 but since 2016, Metropolitan has been contributing funds to advance efforts on collaborative science through agencies such as SFCWA (State and Federal Contractors Water Authority), NCWA (Northern California Water Association), USGS (United States Geological Study) and others. Staff foresees increased funding requirements during FY 2018/19.

Materials & Supplies

The budget reflects purchase of software for Board support team and electronic equipment for Board members.

FY 2019/20

Personnel–related issues

Total personnel count remains flat with FY 2019/20.

Salaries and benefits reflect negotiated labor increases.

Professional Services

The budget reflects a reduction in Bay Delta science studies, data management and modeling efforts.

Grant Expense

The budget reflects a reduction in Metropolitan funding of science grants due to anticipated completion of some efforts.

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WATER SYSTEM OPERATIONS

Water System Operations (WSO) reliably treats and delivers high–quality water to Metropolitan's member agencies in an efficient, sustainable, and environmentally responsible manner.

PROGRAMS

Water System Operations treats and delivers water from the Colorado River and the State Water Project (SWP) through a raw water conveyance system, five treatment plants, and an extensive treated water distribution network. This flexible system provides reliable deliveries to the member agencies and moves available supplies and storage reserves to meet Metropolitan's mission. Water quality remains paramount and all functions focus on surpassing drinking water standards.

WSO accomplishes its mission through the following programs or sections:

Office of Manager provides day–to–day operational management as well as strategic and organizational leadership, directing all initiatives and core business efforts of WSO. The office also provides support functions such as budgeting, administration, and District wide support through their Security and Fleet Services units. The security function ensures that Metropolitan's employees, water infrastructure, and equipment are adequately protected, and provides emergency management support. The fleet function acquires and maintains vehicles, equipment, aircraft, and emergency generators.

Operations Support Services provides a diverse range of support to Metropolitan's core operational reliability functions and, on a reimbursable basis, to public entities such as DWR and member agencies. The Manufacturing Services unit performs fabrication, machining, coating, valve and pump refurbishment, underwater maintenance, and crane safety and certification. Construction Services unit performs general construction, large equipment transportation, equipment installation, and emergency response. The Power & Equipment Reliability unit provides maintenance services which include: predictive, preventive, and corrective maintenance analysis for critical equipment, including all treatment plants, pumping plants, hydroelectric power plants, pressure control structures, high voltage equipment, and heating, ventilation, and air conditioning (HVAC) systems. Additionally, the section helps member agencies with service connection requests.

Water Treatment operates and maintains five water treatment plants with a combined capacity of over 2.3 billion gallons per day. The section oversees treatment processes to ensure high-quality water is reliably produced that complies with drinking water regulations. All five treatment plants are staffed and operated 24 hours a day, seven days a week to meet about half of Metropolitan's annual deliveries. All five of the treatment plants (Jensen, Mills, Skinner, Weymouth and Diemer) have been retrofitted to use ozone as the primary disinfectant.

Water Conveyance and Distribution meets delivery requirements of member agencies by moving water throughout Metropolitan's 5,200 square mile service area and performing a wide range of operations and maintenance activities to ensure system reliability. The section's work encompasses the Colorado River Aqueduct system and its five pumping plants as well as the distribution system of about 830 miles of pipelines, approximately 350 service connections to member agencies, 16 hydroelectric plants, and 9 storage and regulatory reservoirs that help Metropolitan meet peak flow periods and provide dry year and emergency supply reliability.

Water Quality ensures that Metropolitan provides safe and aesthetically pleasing water through the following activities: conducting chemical and biological analyses; optimizing existing treatment processes; testing new technologies to assure compliance with current and future regulations; and providing technical expertise, laboratory services, and troubleshooting of water quality issues for Metropolitan and its member agencies. Water Quality also works to preserve and improve source water quality through rigorous watershed surveys and advocate for measures to reduce the risk of point and non-point source pollution.

Water Operations and Planning plans and implements the movement and use of water resources. These plans incorporate infrastructure and supply limitations, agency demands, changing water quality requirements, and storage program economics. Operational scenarios that encompass a broad range of potential supplies and demands are developed and refined on a weekly basis throughout the year. This process prepares WSO for a wide variety of possible outcomes as the year develops while maintaining reliable deliveries and balancing water storage reserves at reasonable cost.

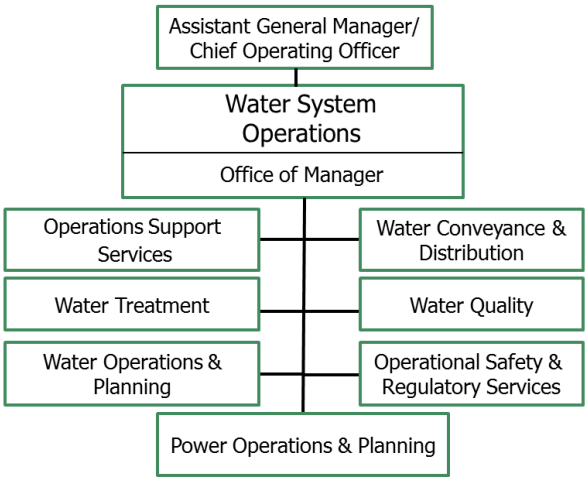
In addition, the section programs and maintains Metropolitan's control system, known as the Supervisory Control and Data Acquisition (SCADA) system.

Operational Safety and Environmental Regulatory Services is responsible for ensuring a safe working environment for employees through programs and training, ensuring business operations are conducted in an environmentally responsible way, and complying with all regulatory and occupational health and safety rules and requirements. The section integrates environmental, health and safety practices into Metropolitan's operations and culture with the goal of achieving a safe work place and eliminating regulatory incidents.

In addition, the section manages technical skills training for maintenance craft employees and sponsors an accredited apprenticeship program which is a cornerstone of WSO's proactive succession planning efforts; by training industrial mechanics and electricians over a four-year period of classroom and hands-on instruction.

Power Operations and Planning plans, acquires and accounts for the energy required to operate the Colorado River Aqueduct (CRA). This activity includes energy transactions with electric utilities and marketers. The section also negotiates and manages the contracts and energy accounting of Renewable Energy Credits and Greenhouse Gas Allowances for 16 small hydroelectric power plants and the CRA.

In addition, the section is responsible for most wholesale energy activities including evaluation of proposed energy-related regulations and legislation; analysis of state and regional transmission plans and impacts to the CRA transmission system; and reporting on compliance with regional and national electric reliability standards. Finally, the section works closely with energy staff at DWR on energy and transmission issues for the SWP.



GOALS AND OBJECTIVES

In FY 2018/19 and FY 2019/2020, WSO will focus on the following key issues:

System Reliability

Manage and maintain the water system to ensure operational reliability for all reasonably expected demands.

Develop and distribute the annual operating plan and rebuild water storage where possible into accounts that provide the greatest delivery flexibility and cost effectiveness. Build on strategies such as employing operational flexibility to mitigate drought condition impacts on water availability.

Plan, schedule, and execute the Annual Shutdown Plan to ensure reliable operation of the water delivery system, including a strategy to manage longer shutdowns to support the refurbishment of pre-stressed concrete cylinder pipelines.

Maintain eight-pump flow readiness and manage storage accounts to capture all available Colorado River supplies and balanced with water supplies from other sources.

With member agency and regional partners, develop new water supplies to supplement the core SWP and Colorado River supplies including groundwater recovery, ocean desalination, and indirect potable reuse.

Support the Regional Recycled Water Program by achieving regulatory acceptance for the process design. Develop demonstration testing plan and perform optimization studies.

Participate with the California Department of Water Resources (DWR) on value-engineering efforts to ensure cost-effective rehabilitation of SWP conveyance, pumping, and generation facilities.

Fully utilize the manufacturing shops in La Verne to maintain Metropolitan's infrastructure reliability and support projects for DWR and the member agencies.

Implement vibration-based predictive maintenance program for all large electric motors, vertical turbine pumps, and emergency generators to improve equipment reliability and reduce unnecessary maintenance.

Provide secure facilities through employee training, incident monitoring, and response for critical infrastructure sites and office locations.

Upgrade physical security features and access control equipment at headquarters and selected field facilities.

Conduct emergency response exercises involving internal operational groups and member agencies.

Control System Replacement Project

Complete conceptual design phase for replacement project to modernize the control system for the water treatment plants and distribution system.

Energy Management

Manage and limit price exposure for wholesale energy to support CRA pumping. Implement new energy and transmission agreements for the CRA 230K transmission system.

Negotiate and execute new agreements for energy generation at Metropolitan's Foothill, Lake Mathews, San Dimas, and Yorba Linda hydroelectric plants when the energy sale agreement with DWR for these plants expires in 2019.

Workforce Development & Succession Planning

Conduct annual Management Academy to improve internal recruitment pool for entry-level supervisors.

Recruit and begin training a new apprentice class each year for the mechanical and electrical trades.

Provide continuing education classes for licensed water treatment and distribution operators that are tailored to Metropolitan's procedures and facilities.

Water Quality, Environmental Protection, and Safety

Meet or surpass all drinking water standards and ensure delivery of aesthetically pleasing water.

Engage in the regulatory process to ensure full consideration of technical and economic feasibility for drinking water and environmental regulations.

Engage watershed stakeholders and regulators to ensure effective control of source water contaminants such as uranium, perchlorate, chromium, pharmaceuticals, nutrients, and algal toxins.

Provide safety and regulatory services to ensure safe work practices and adhere to environmental and workplace health and safety regulations.

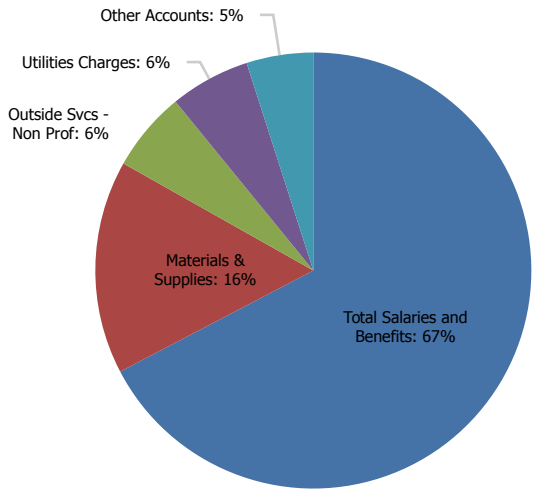
Increase monitoring of quagga mussels in the west and east branches of the State Water Project and prepare quagga mussel action plans.

O&M FINANCIAL SUMMARY

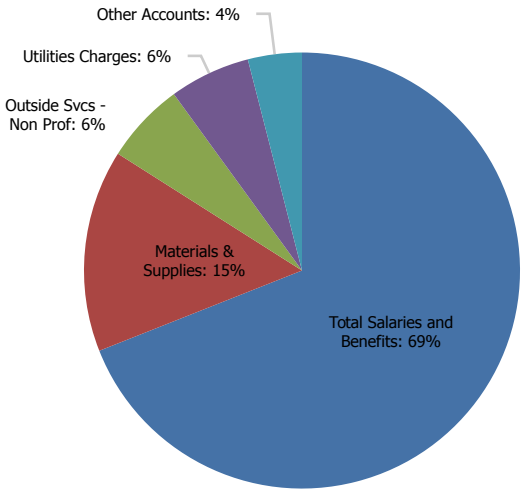
	2016/17 Actual	2017/18 Budget	2018/19 Proposed	Change from 2017/18	2019/20 Proposed	Change from 2018/19
Total Salaries and Benefits	161,349,900	164,188,300	174,056,500	9,868,200	184,595,100	10,538,600
Direct Charges to Capital	*(7,870,600)*	*(7,161,700)*	*(7,326,400)*	*(164,700)*	*(7,718,200)*	*(391,800)*
Total Salaries and Benefits	**153,479,300**	**157,026,600**	**166,730,100**	**9,703,500**	**176,876,900**	**10,146,800**
% Change		2.3%		6.2%		6.1%
Professional Services	1,057,700	1,044,500	1,494,000	449,500	1,541,200	47,200
Materials & Supplies	35,798,800	37,336,500	38,475,300	1,138,800	38,330,400	(144,900)
Outside Services - Non Professional / Mainte	14,099,600	14,894,200	15,134,200	240,000	15,442,300	308,100
Utilities Charges	12,643,700	12,502,000	14,316,500	1,814,500	14,868,200	551,700
Other Accounts	9,272,300	8,170,700	9,644,400	1,473,700	9,261,600	(382,800)
Total O&M	**226,351,400**	**230,974,500**	**245,794,500**	**14,820,000**	**256,320,600**	**10,526,100**
% Change		2.0%		6.4%		4.3%
Operating Equipment	4,564,857	5,039,400	5,655,200	615,800	6,000,000	344,800
Total O&M and Operating Equipment	**226,351,400**	**236,013,900**	**251,449,700**	**15,435,800**	**262,320,600**	**10,870,900**
% Change		4.3%		6.5%		4.3%

Note – Totals may not foot due to rounding.

FY 2018/19 BUDGET BY EXPENDITURE

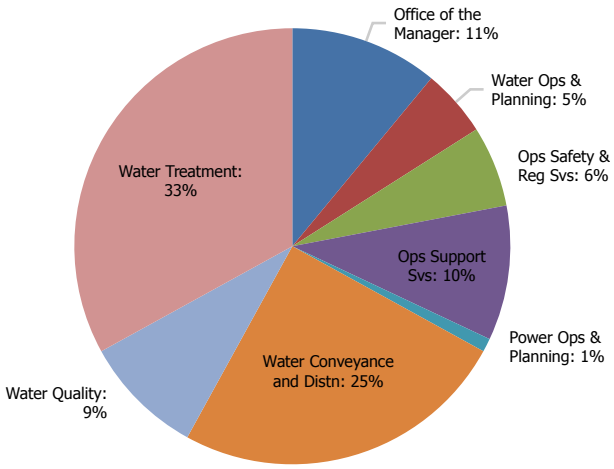


FY 2019/20 BUDGET BY EXPENDITURE

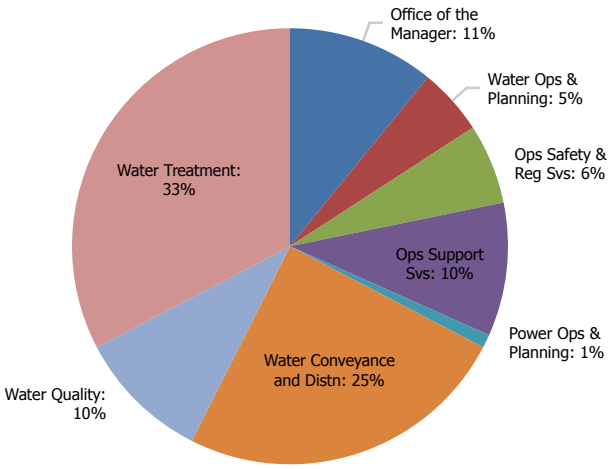


O&M BUDGET BY SECTION

FY 2018/19 BUDGET BY SECTION



FY 2019/20 BUDGET BY SECTION



	2017/18 Budget	2018/19 Proposed	Change from 2017/18	2019/20 Proposed	Change from 2018/19	Personnel Budget 17/18	18/19	19/20
Office of the Manager	23,152,500	26,177,000	3,024,500	27,107,500	930,500	61	60	60
Water Operations and Planning	10,990,100	11,528,000	537,900	12,056,900	528,900	43	42	42
Operational Safety and Regulatory Services	14,228,500	15,238,300	1,009,800	15,884,300	646,000	55	55	55
Operations Support Services	22,630,000	23,717,500	1,087,500	24,899,800	1,182,300	120	120	120
Power Operations and Planning	2,852,900	3,343,500	490,600	3,518,800	175,300	11	12	12
Water Conveyance and Distn	60,745,100	62,272,400	1,527,300	64,486,200	2,213,800	270	264	264
Water Quality	20,118,100	22,944,400	2,826,300	24,570,000	1,625,600	93	95	96
Water Treatment	76,257,400	80,573,200	4,315,800	83,797,200	3,223,900	273	277	277
Total O&M	**230,974,600**	**245,794,400**	**14,819,800**	**256,320,600**	**10,526,200**	**926**	**925**	**926**

Note – Totals may not foot due to rounding.

PERSONNEL SUMMARY

		2016/17 Actual	2017/18 Budget	2018/19 Proposed	Change from 2017/18	2019/20 Proposed	Change from 2018/19
Regular	**Total**	**866**	**951**	**948**	**(3)**	**948**	**—**
	O&M	828	907	906	(1)	906	—
	Capital	38	44	43	(2)	43	—
Temporary	**Total**	**34**	**19**	**20**	**1**	**21**	**1**
	O&M	32	19	20	1	21	1
	Capital	1	—	—	—	—	—
Total Personnel	**Total**	**900**	**970**	**968**	**(2)**	**969**	**1**
	O&M	860	926	925	0	926	1
	Capital	39	44	43	(2)	43	—

BUDGET HIGHLIGHTS

WSO's O&M and Operating Equipment Biennial Budget is $251.4 million in FY 2018/19 and $262.3 million in FY 2019/20 or a increase of 6.5% and an increase of 4.3%, respectively from the prior year budgets. The increase is due primarily to the following factors:

- Following the severe drought, a combination of increased treated water flows, increased chemical commodity prices and higher chemical dosages needed to treat the more abundant State Water Project supplies raised the expected chemical costs for water treatment.
- An increase in hazardous waste disposal costs expensed to O&M as a result of capital improvement projects.
- An increase in temporary labor and an increase in materials and supplies to support the Regional Recycled Water Program.
- The increases are offset in part by a reduction in non-professional services by improved brush control through precise chemical application.

The following are the significant changes by budget year.

FY 2018/19

Personnel–related issues

For O&M work, the overall number of positions decreased by three which reflects a transfer of four employees to Real Property for employee housing support in the desert and an increase of one employee to fulfill new electrical transmission tasks for the CRA electrical system.

Salaries and Benefits reflect negotiated labor increases.

Non Professional Services

A reduction in brush clearing services by improved brush control through precise chemical application.

Materials and Supplies

The budget reflects increased chemical costs for water treatment due to higher treated water flows, some increase in commodity prices and higher chemical dosages needed to treat the more abundant State Water Project supplies.

Utilities Charges

The budget reflects an increase in waste disposal costs from facility R&R projects and an increase in expected electrical rates.

FY 2019/20

Personnel–related issues

Overall personnel count for both O&M and capital work remains flat from the FY 2018/19 budget.

Salaries and Benefits reflect negotiated labor increases.

Materials and Supplies

The budget reflects inflationary pressure anticipated on chemicals and other materials and supplies.

Utilities Charges

The budget reflects an anticipated four percent increase in electricity rates from FY 2018/19.

Other

Outside Services–Non Professional/Maintenance budget reflects increased cost anticipated for annual security guard contract.

Operating Equipment – FY 2018/19 and FY 2019/20

The operating equipment budget is maintained to replace aging fleet and heavy equipment. In FY 2018/19, the budget was increased to procure analytical instrumentation in support of the Regional Recycled Water Program. In FY 2019/20, the operating equipment was also increased to plan for the replacement of one aircraft for security patrols and employee transportation to remote facilities.

WATER RESOURCE MANAGEMENT

Water Resource Management (WRM) plans, secures, and manages water resources that Metropolitan supplies to its member agencies in a reliable, cost–effective, and environmentally responsible manner.

PROGRAMS

Water Resource Management protects and optimally manages imported water quantity and quality; advances water-use efficiency; provides supply and demand forecasts that are the foundation for resource planning; and develops and implements timely resource planning, programs, and projects.

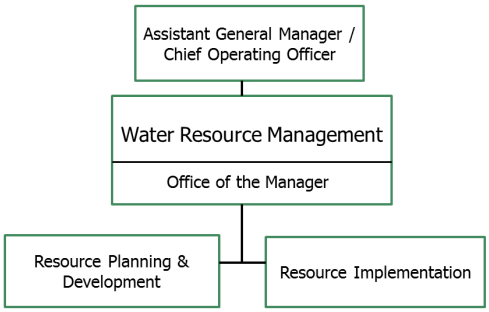
In addition, Water Resource Management assists member agencies in optimizing their use of local resources to benefit the entire Metropolitan service area, and ensures Metropolitan receives a fair return on contractual investments in local and imported resources.

Water Resource Management accomplishes its mission through the following programs or sections:

Office of Manager directs the group's efforts in planning, securing, and managing Metropolitan's water resources; monitors and tracks the group's business plan, financial and budgetary initiatives; and provides administrative and business process support.

Resource Planning & Development is responsible for providing an integrated water supply and demand forecast that will meet the needs of member agencies and reflect their long-range planning efforts for local supplies, which sets the foundation for Metropolitan's resource mix and local supplies needed to meet demands. This section also supports the development of resource programs, projects, and infrastructure to meet projected resource targets; administers the planning process; defines strategies for meeting service area water needs, including the Integrated Resource Plan (IRP) and Water Surplus and Drought Management (WSDM) plan; and develops resource options, such as groundwater conjunctive use, regional recycling and seawater desalination; as well as alternatives for short-range planning and implementation through joint action with Water System Operations.

Resource Implementation develops and administers water resource programs and contracts, and pursues application of new technologies and innovation for the Colorado River, State Water Project, water recycling, groundwater recovery, and conservation. This section also monitors and responds to regulatory, legislative, and operational activities that may influence Metropolitan's rights and benefits related to the quality, reliability and cost of water.



GOALS AND OBJECTIVES

In FY 2018/19 and FY 2019/20, WRM will focus on the following key issues:

Colorado River

Evaluate continuing challenges to the Quantification Settlement Agreement (QSA) and develop strategies to respond to changed conditions.

Protect Colorado River resources, Metropolitan's Colorado River rights, and optimize the use of available Colorado River water.

Continue participation in the Colorado River Salinity Control Forum and facilitate salinity management projects and other actions that protect and improve source water quality.

Partner with other Colorado River water delivery contractors to develop new Metropolitan supplies, including cross-border water supply programs.

Administer Imperial Irrigation District (IID) and Palo Verde Irrigation District (PVID) agricultural conservation programs.

Work with representatives of the International Boundary and Water Commission and United States Bureau of Reclamation (USBR) to continue implementation of Minute 319 and coordinate emergency deliveries for Tijuana.

Continue administration of pilot system water projects that help keep Lake Mead levels above shortage triggers.

Develop strategy and tools for managing new agricultural land purchases in the Palo Verde Valley.

Groundwater Storage Program

Continue management of nine approved conjunctive use programs to store water for dry-year yield.

Continue facilitation of dialogue among agencies in groundwater management, recycled water production, and stormwater and flood management to enhance groundwater basin recharge.

Legislative Review

Continue to review and provide comments and inform member agencies on proposed state and federal legislation on water resources issues related to Metropolitan's mission and WRM functions.

Regional Resources and Water Conservation

Implement Long-Term Water Conservation Plan and new LRP initiatives to meet 20x2020 urban water use reduction target.

Pursue grant funding supplement implementation of regional water conservation program initiatives.

Participate in activities leading to expanded use of recycled water and increased water-use efficiency.

Administer agreements that provide incentives for conservation, recycled water, recovered groundwater production, and support development of local resource development projects.

Conduct research to advance local resource and conservation program effectiveness.

Seawater Desalination

Continue to support member agencies development efforts and actively participate in CalDesal regulatory and legislative initiatives.

State Water Project

Execute the SWP contract extension, extending the contract term by 50 years from 2035 to 2085. As a result the terms of the supply agreement and the repayment period for DWR bonds will be extended as well.

Ensure accurate billings and influence sound financial decisions by DWR, including effective DWR energy management practices with regard to renewable energy, emissions reductions, transmission strategies, and energy acquisitions.

Continue to discuss and resolve disputed charges for the SWP.

Protect SWP water, power, and financial positions under the Oroville Federal Energy Regulatory Commission (FERC) relicensing process as well as associated litigation and upcoming FERC relicensing and several DWR facilities in Southern California.

Support Metropolitan's interests in any SWP-related litigation.

Coordinate major rehabilitations and new SWP capital improvements to ensure cost-effective and reliable water supply, energy generation, and use.

Promote water quality monitoring and forecasting activities through the Municipal Water Quality Investigations program and raise awareness of potential water quality impacts from operational decisions.

Develop and implement strategies to access SWP conveyance facilities to optimize use of Metropolitan water transfer and banking programs in light of scheduled and forced infrastructure outages.

Continue participation in State Water Contractors, Inc., State Water Project Contractors Authority, and State and Federal Water Contractors Authority to coordinate activities at a statewide level.

Future Supply Actions

Consider future supply action programs to promote innovation and remove barriers to local resource development.

Continue participation in the Southern California Water Committee Stormwater Task Force to identify opportunities and remove obstacles to increases in stormwater capture and infiltration for measurable groundwater yield.

Water Supply and System Planning

Complete annual progress reports on IRP implementation and Metropolitan's water supplies and achievements in conservation, recycling, and groundwater recharge (SB 60 report).

Complete the annual forecast of Metropolitan demands to support revenue requirements and budget process.

Continue to pursue development of the full scale Regional Recycled Water Program to increase water reuse and enhance opportunities for groundwater recharge within Metropolitan's service area. Upgrade and enhance planning tools, such as computer models for demand forecasting, resource program evaluation, and distribution system.

Participate in state agency water energy nexus processes and data access initiatives.

Continue to collaborate with various agencies and stakeholders in statewide and regional water resource planning efforts, such as the California Water Plan Updates and the Integrated Regional Water Management Plans.

Continue work with the Water Utility Climate Alliance to perform case studies on climate data applications to water resources planning.

Water Transfers, Exchanges, and Storage Programs

Continue to manage existing water transfer, exchange, and storage programs along the California Aqueduct and Colorado River Aqueduct and implement approved water transfers.

Continue to evaluate the need for additional reliability by either developing new programs or modifying existing programs. Pursue additional water transfers, exchanges, and storage programs as needed.

Work with other State Water Contractors on a long-term water transfer permitting process.

Workforce Development & Succession Planning

Continue to develop staff expertise in critical areas to prepare for employee retirements or departures.

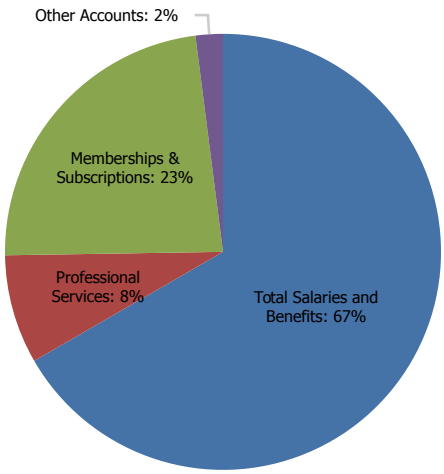
O&M FINANCIAL SUMMARY

	2016/17 Actual	2017/18 Budget	2018/19 Proposed	Change from 2017/18	2019/20 Proposed	Change from 2018/19
Total Salaries and Benefits	13,343,700	14,376,200	15,676,000	1,299,800	16,651,600	975,600
Direct Charges to Capital	*(1,500)*	—	—	—	—	—
Total Salaries and Benefits	**13,342,200**	**14,376,200**	**15,676,000**	**1,299,800**	**16,651,600**	**975,600**
% Change		7.7%		9.0%		6.2%
Professional Services	1,712,300	1,740,000	1,940,000	200,000	1,986,500	46,500
Memberships & Subscriptions	4,014,800	5,365,000	5,767,500	402,500	5,844,900	77,400
Other Accounts	276,300	559,400	562,700	3,300	583,000	20,300
Total O&M	**19,345,600**	**22,040,600**	**23,946,200**	**1,905,600**	**25,066,000**	**1,119,800**
% Change		13.9%		8.6%		4.7%

Note – Totals may not foot due to rounding.

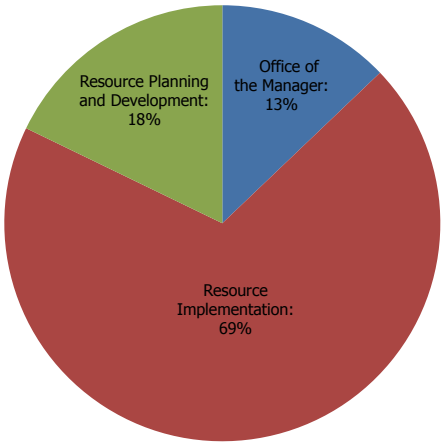
FY 2018/19 BUDGET BY EXPENDITURE

FY 2019/20 BUDGET BY EXPENDITURE

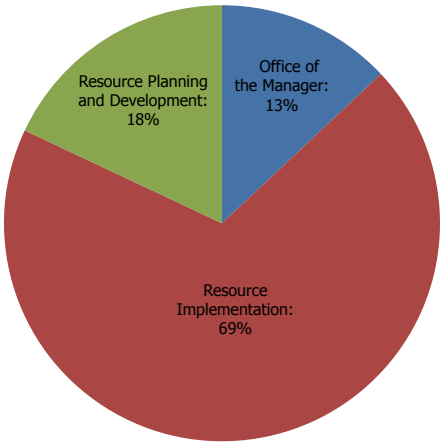


O&M BUDGET BY SECTION

FY 2018/19 BUDGET BY SECTION



FY 2019/20 BUDGET BY SECTION



	2017/18 Budget	2018/19 Proposed	Change from 2017/18	2019/20 Proposed	Change from 2018/19	Personnel Budget 17/18	18/19	19/20
Office of the Manager	2,871,000	3,026,700	155,700	3,209,300	182,600	14	13	13
Resource Implementation	15,233,800	16,675,000	1,441,200	17,299,800	624,800	37	40	40
Resource Planning and Development	3,935,900	4,244,600	308,700	4,556,900	312,300	16	16	16
Total O&M	**22,040,600**	**23,946,200**	**1,905,600**	**25,066,000**	**1,119,800**	**67**	**69**	**69**

Note – Totals may not foot due to rounding.

PERSONNEL SUMMARY

		2016/17 Actual	2017/18 Budget	2018/19 Proposed	Change from 2017/18	2019/20 Proposed	Change from 2018/19
Regular	**Total**	**60**	**67**	**68**	**1**	**68**	**—**
	O&M	60	67	68	1	68	—
	Capital	—	—	—	—	—	—
Temporary	**Total**	**1**	**—**	**1**	**1**	**1**	**—**
	O&M	1	—	1	1	1	—
	Capital	—	—	—	—	—	—
Total Personnel	**Total**	**61**	**67**	**69**	**2**	**69**	**—**
	O&M	61	67	69	2	69	—
	Capital	—	—	—	—	—	—

Note – Totals may not foot due to rounding.

BUDGET HIGHLIGHTS

WRM's Biennial Budget is $23.9 million in FY 2018/19 and $25.1 million in FY 2019/20, or an increase of 8.6% and 4.7%, respectively from the prior budget years. The increase is primarily due to the following factors:

- Increase in staffing by one regular position and one district temporary position for SWP and CRA program support.
- The increase in Memberships and Subscriptions budget enhances Metropolitan's ability to collaborate with other boards or agencies on statewide and federal issues.
- Net increase in professional services includes resource analysis studies for on-going resource and demand management assessment; SWP audit fee increase and consulting assistance for SWP contract extension issues; and technical studies for infrastructure related to water supply impacts.

The following are the significant changes by budget year.

FY 2018/19

Personnel–related issues

Personnel count increased by one regular position and one District Temporary position from FY 2017/18 budget for water reliability support related to SWP and CRA programs.

Salaries and Benefits reflect negotiated labor increases offset by vacancies filled at lower level job classifications.

Professional Services

Budget reflects increase in State Water Project audit fee and consulting services for assessing SWP contract extension issues; technical studies for infrastructure related to water supply impacts; research studies associated with new conservation planning model and water saving estimates update.

Memberships and Subscriptions

Budget includes increase in State Water Contractors dues and legal services related to CA WaterFix; membership dues for Western Urban Water Coalition, California Urban Water Agencies, and new membership for California Data Collaboration.

Other

Budget reflects net increase in materials and supplies for resource planning model software; travel associated with SWP, CRA, conservation, and local resources program; a reduction in graphic and reprographic for utilizing in-house services.

FY 2019/20

Personnel–related issues

Total personnel count remains flat with the FY 2018/19 budget.

Salaries and Benefits reflect negotiated labor increases.

Professional Services

Budget reflects increase in the SWP audit fee and additional research studies in desalination and salinity management.

Memberships and Subscriptions

Budget reflects SWC membership dues increase.

Other

Budget reflects increase in materials and supplies for acquiring water forecast demographic data.

ENGINEERING SERVICES

Engineering Services provides innovative, high-quality, and cost-effective solutions to meet our customers' needs and to ensure the long-term reliability and successful operation of Metropolitan's infrastructure.

PROGRAMS

Engineering Services manages projects, performs design, construction management, infrastructure condition assessments, and facility planning, and manages Metropolitan's Capital Investment Plan (CIP).

Engineering Services accomplishes its mission through the following programs and services:

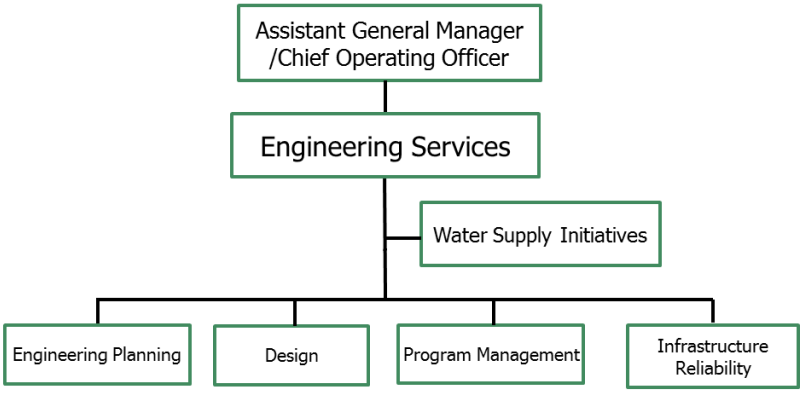
Office of the Group Manager oversees the Engineering Services group and provides strategic leadership on engineering initiatives and core business efforts, to ensure the continued reliability and quality of water deliveries. The office also provides technical support for special initiatives including the California WaterFix and Metropolitan's Regional Recycled Water Program.

Engineering Planning is responsible for the functions of facility planning, hydraulic analysis and modeling, protection of Metropolitan's substructures, construction contract administration, technical control and oversight of engineering standards, support to capital projects, business process management and budgeting, and management of the CIP.

Design is responsible for the preparation of technical assessments, conceptual and preliminary designs for new facilities and for rehabilitation of existing facilities, final design drawings and specifications for construction, and technical support during the construction and operation of facilities.

Program Management is responsible for overall project delivery of capital and O&M projects for treatment plants, distribution, conveyance and storage systems; and serves as Metropolitan's "Owner's Engineer."

Infrastructure Reliability is responsible for the management of construction contracts, field inspection, and factory fabrication inspection, management of Metropolitan's dams, surveying and mapping, and corrosion and materials engineering.



GOALS AND OBJECTIVES

In FY 2018/19 and FY 2019/20, Engineering Services will focus on the following key issues:

California WaterFix

Provide engineering and program management leadership in support of the California WaterFix and EcoRestore programs as team members on both of those initiatives. Additionally, represent the State Water Contractors as an Owner's representative providing oversight of the California WaterFix project office in Sacramento by providing technical reviews of work product developed by the project team.

New Water Supply Initiatives

Complete construction of the Advanced Water Treatment Demonstration Plant and provide technical support for start-up and testing, in support of Metropolitan's Regional Recycled Water Program.

Continue to support opportunities to collaborate with other agencies to enhance local water supplies.

Infrastructure Reliability

Manage and complete Board–authorized projects within the CIP to ensure the reliable delivery of water to Metropolitan's member agencies.

Provide engineering and technical services to support the operation and maintenance of Metropolitan's water conveyance, delivery, treatment, and support facilities.

Protect public safety, minimize future costs of infrastructure maintenance and repairs, and avoid unplanned outages by monitoring Metropolitan's facilities and right–of–way, and performing essential technical assessments.

CIP Management

Prioritize and execute capital projects to address Metropolitan's short–term needs and long–term objectives in a cost-effective manner.

Evaluate project performance to identify and take advantage of improvements in project delivery.

Employee Development

Lead workforce development and succession planning activities to optimally maintain technical expertise and skills needed in the future to ensure infrastructure reliability, meet regulations, respond to emergencies, and support Metropolitan initiatives.

Customer Service

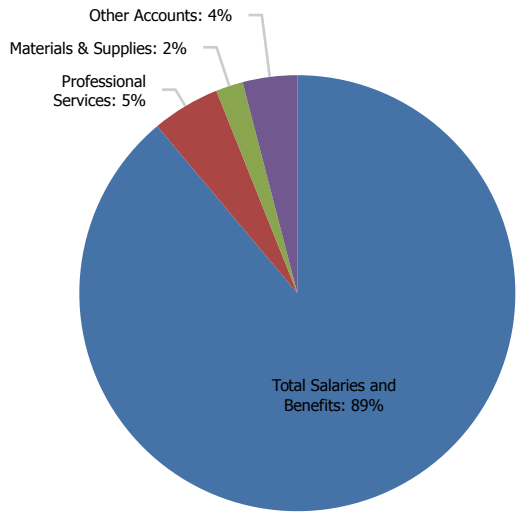
Provide technical leadership and services to internal and external customers to meet Metropolitan's business needs.

O&M FINANCIAL SUMMARY

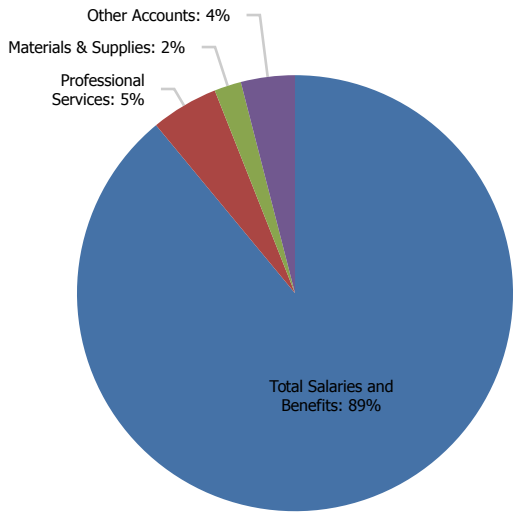
	2016/17 Actual	2017/18 Budget	2018/19 Proposed	Change from 2017/18	2019/20 Proposed	Change from 2018/19
Total Salaries and Benefits	65,783,000	70,313,500	77,056,200	6,742,700	81,444,400	4,388,200
Direct Charges to Capital	*(39,757,000)*	*(47,170,300)*	*(47,991,100)*	*(820,800)*	*(51,301,500)*	*(3,310,400)*
Total Salaries and Benefits	**26,026,000**	**23,143,200**	**29,065,100**	**5,921,900**	**30,142,900**	**1,077,800**
% Change		(11.1%)		25.6%		3.7%
Professional Services	3,367,600	301,000	1,775,800	1,474,800	1,552,800	(223,000)
Materials & Supplies	673,600	600,000	704,600	104,600	734,200	29,600
Memberships & Subscriptions	177,100	183,000	223,600	40,600	237,000	13,400
Taxes & Permits	321,400	320,000	440,000	120,000	484,000	44,000
Travel Expenses	136,100	95,300	170,600	75,300	172,100	1,500
Other Accounts	1,189,600	669,900	558,000	(111,900)	542,000	(16,000)
Total O&M	**31,891,400**	**25,312,400**	**32,937,700**	**7,625,300**	**33,865,000**	**927,300**
% Change		(20.6%)		30.1%		2.8%
Operating Equipment	539,903	258,800	989,600	730,800	174,800	(814,800)
Total O&M and Operating Equipment	**31,891,400**	**25,571,200**	**33,927,300**	**8,356,100**	**34,039,800**	**112,500**
% Change		(19.8%)		32.7%		0.3%

Note – Totals may not foot due to rounding.

FY 2018/19 BUDGET BY EXPENDITURE

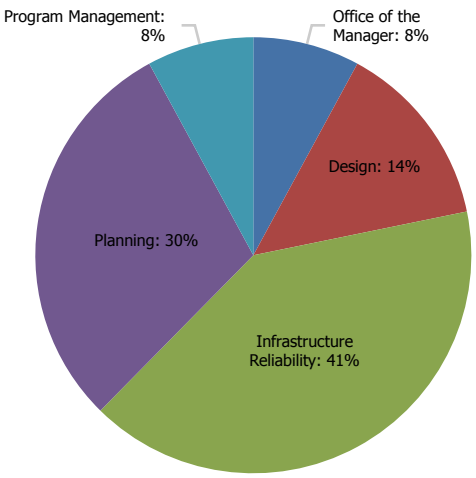


FY 2019/20 BUDGET BY EXPENDITURE

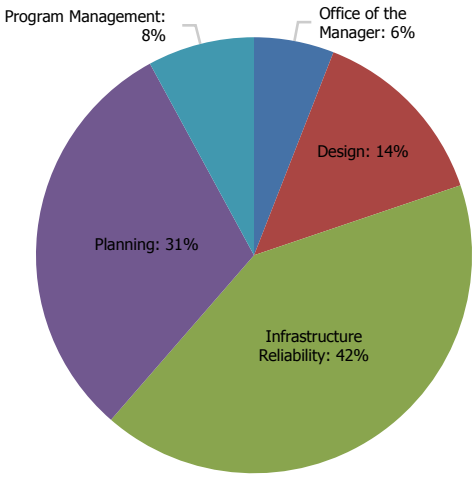


O&M BUDGET BY SECTION

FY 2018/19 BUDGET BY SECTION



FY 2019/20 BUDGET BY SECTION



	2017/18 Budget	2018/19 Proposed	Change from 2017/18	2019/20 Proposed	Change from 2018/19	Personnel Budget 17/18	18/19	19/20
Office of the Manager	703,500	2,528,400	1,825,000	1,865,200	(663,200)	1	4	2
Design	3,381,100	4,537,700	1,156,600	4,817,400	279,700	32	16	16
Infrastructure Reliability	11,397,700	13,415,700	2,018,000	14,213,100	797,400	56	58	58
Planning	7,948,000	9,771,600	1,823,600	10,346,100	574,500	0	41	41
Program Management	1,882,200	2,684,200	802,100	2,623,100	(61,100)	29	11	10
Total O&M	**25,312,400**	**32,937,700**	**7,625,300**	**33,865,000**	**927,300**	**118**	**129**	**127**

Note – Totals may not foot due to rounding.

PERSONNEL SUMMARY

		2016/17 Actual	2017/18 Budget	2018/19 Proposed	Change from 2017/18	2019/20 Proposed	Change from 2018/19
Regular	**Total**	**331**	**355**	**355**	**—**	**355**	**—**
	O&M	124	118	129	12	127	(3)
	Capital	206	238	226	(12)	228	3
Temporary	**Total**	**2**	**—**	**—**	**—**	**—**	**—**
	O&M	1	—	—	—	—	—
	Capital	1	—	—	—	—	—
Total Personnel	**Total**	**332**	**355**	**355**	**—**	**355**	**—**
	O&M	125	118	129	12	127	(3)
	Capital	207	238	226	(12)	228	3

Note – Totals may not foot due to rounding.

BUDGET HIGHLIGHTS

Engineering Services' O&M budget is $32.9 million in FY 2018/19 and $33.9 million in FY 2019/20. As detailed below, Engineering Services' budget is influenced significantly by Metropolitan's strategic initiatives, which include the California WaterFix, Regional Recycled Water Program, and Dam Safety Initiatives as well as staff relocation efforts for the improvements at Metropolitan's Headquarters Building at Union Station.

Total planned O&M expenditures for FY 2019/20 are approximately $7.6 million or 30.1% more than in FY 2017/18, due to salaries and benefits reflecting negotiated labor increases and the addition of Major O&M support for California WaterFix, Regional Recycled Water Program, and Dam Safety Initiatives.

For FY 2019/20, planned O&M expenditures are approximately $0.9 million or 2.8% more than in FY 2018/19, due mainly to salaries and benefits reflecting negotiated labor increases and staff relocation efforts for the Headquarters Building improvements.

O&M	FY 2017/18	FY 2018/19	FY 2019/20
Labor	$23,143,200	$26,622,400	$28,202,300
Non–labor	$2,169,200	$2,153,600	$2,202,100
Total O&M	**$25,312,400**	**$28,776,000**	**$30,404,400**
Regional Recycled Water Program (labor & non-labor)	$0	$2,206,000	$801,200
Dam Safety Initiatives (labor & non-labor)	$0	$1,140,700	$1,215,500
CA WaterFix (labor & non–labor)	$0	$815,000	$841,300
Headquarters Building staff relocation	$0	$0	$602,600
Total O&M & Special Initiatives	**$25,312,400**	**$32,937,700**	**$33,865,000**
% Change		30.1%	2.8%

Note: Excludes Operating Equipment

The following are the significant changes by budget year.

FY 2018/19

Personnel–Related Issues

Total personnel levels remain consistent with the previous fiscal year. However, the O&M and capital staffing complement differs from the FY 2017/18 budget. This is primarily due to Major O&M support required for special initiatives including the California WaterFix, Regional Recycled Water Program, and Dam Safety Initiatives, thereby resulting in a shift of staff from capital work to O&M in FY 2018/19.

Planned capital expenditures for FY 2018/19 will remain steady with a district-wide capital budget estimated to be approximately $250 million (see details in CIP Appendix). Planned expenditures reflect project budgets and schedules to meet Metropolitan's overall biennial budgetary goals. High priority projects that will continue during the fiscal year include the Prestressed Concrete Cylinder Pipe (PCCP) Rehabilitation Program; the Colorado River Aqueduct (CRA) Reliability Program; the Distribution System Reliability Program; and the Right of Way and Infrastructure Protection Program.

Salaries & Benefits

Salaries and benefits reflect negotiated labor increases and dedicated support for the California WaterFix, Regional Recycled Water Program, and Dam Safety Initiatives.

Professional Services

The budget primarily reflects increases to support the California WaterFix, Regional Recycled Water Program, and Dam Safety Initiatives.

Materials and Supplies

The budget reflects an increase in design–related software maintenance costs.

Memberships & Subscriptions

The budget reflects anticipated increases in Underground Service Alert requests.

Taxes & Permits

The budget reflects an increase in annual dam safety fees paid to the state Division of Safety of Dams.

Travel Expenses

The budget primarily reflects increases to support the California WaterFix.

Other

Other non–labor budget items include anticipated decreases in graphics and reprographics charges; lower lease costs for Xerox copiers; and lower utility costs at the La Verne site.

FY 2019/20

Personnel–related issues

Total personnel levels remain consistent with the previous fiscal year. However, the O&M and capital staffing complement differs from the FY 2018/19 budget. This is primarily due to the anticipated completion of construction of the Advanced Water Treatment Demonstration Plant for the Regional Recycled Water Program, resulting in a shift of O&M staffing to capital work in FY 2019/20.

Planned capital expenditures for FY 2019/20 will remain steady with a district-wide capital budget estimated to be approximately $250 million (see details in CIP Appendix). Planned expenditures reflect project budgets and schedules to meet Metropolitan's overall biennial budgetary goals. High priority projects that will continue during the fiscal year include the Prestressed Concrete Cylinder Pipe (PCCP) Rehabilitation Program; the Colorado River Aqueduct (CRA) Reliability Program; the Distribution System Reliability Program; and the Right of Way and Infrastructure Protection Program.

Salaries & Benefits

Salaries and benefits reflect negotiated labor increases and an increase for staff relocation efforts for Metropolitan's Headquarters Building improvements.

Professional Services

The budget primarily reflects slightly decreasing support required for the Regional Recycled Water Program.

Materials and Supplies

The budget reflects anticipated increases in design–related software maintenance costs.

Memberships and Subscriptions

The budget reflects anticipated increases in Underground Service Alert requests.

Taxes & Permits

The budget reflects anticipated increases in annual dam safety fees paid to the state Division of Safety of Dams.

Travel Expenses

The budget reflects ongoing support to the California WaterFix initiative and general travel expenses in support of core work.

Operating Equipment – FY 2018/19 and FY 2019/20

The operating equipment budget reflects an increase from FY 2017/18 to FY 2018/19 and then a decrease in FY 2019/20 primarily due to the majority of requested vehicle replacements occurring in FY 2018/19. Other equipment to be replaced in FY 2018/19 includes a weatherometer, CAD plotters, and other engineering test equipment.

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OFFICE OF CHIEF ADMINISTRATIVE OFFICER

The Office of the Chief Administrative Officer (CAO) provides outstanding value to its customers for a wide range of administrative and environmental planning services

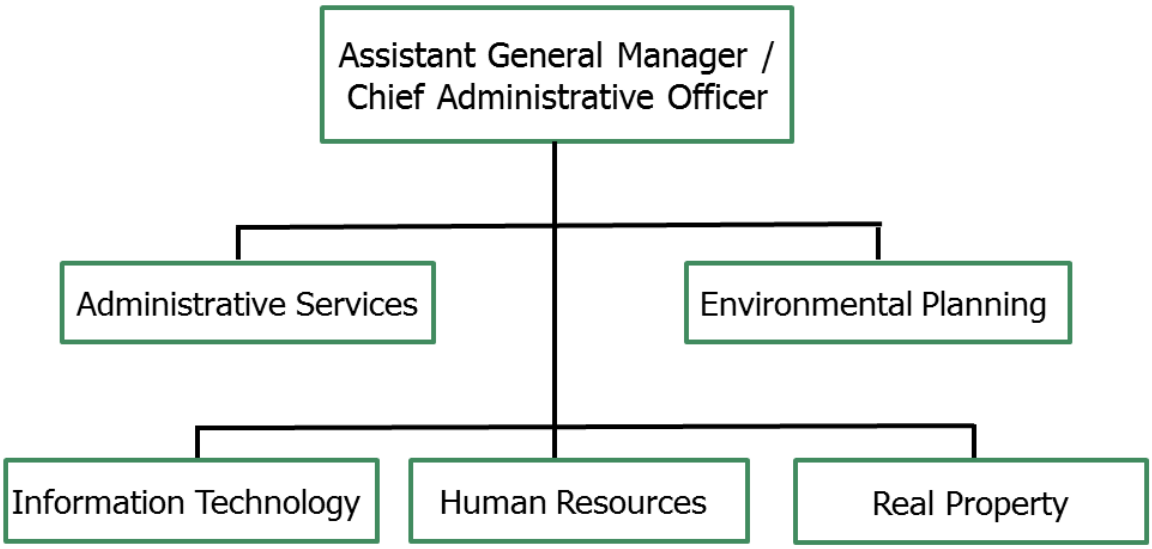
PROGRAMS

Office of the Chief Administrative Officer accomplishes its mission through the following programs or sections:

Administrative Services provides a range of services including contracting, inventory management, warehousing, reprographics, technical writing, grant management, records management, EForms management, Enterprise Content Management, Spring Green Expo and ECO Innovators Showcase, and administration of Metropolitan's Rideshare Program.

Environmental Planning (EPS) provides expertise for environmentally responsible decision-making and compliance with environmental laws and regulations. EPS ensures Metropolitan activities comply with the California Environmental Quality Act (CEQA); obtains permits or approvals from federal and state environmental regulatory agencies for Metropolitan activities; conducts studies, monitoring and training; and participates in management of Metropolitan reserves and coordination with other non-Metropolitan reserve planning efforts. EPS also provides technical environmental planning support to Metropolitan customers, member agencies and outside agencies.

Please see the separate group budget sections for Information Technology, Human Resources and Real Property.



GOALS AND OBJECTIVES

In FY 2018/19 and FY 2019/2020, the Office of the Chief Administrative Officer will focus on the following key issues:

Support Proposed Delta Improvements

Provide environmental and technical services to support long-term Delta solutions to improve water supply reliability and water quality, and protect and enhance Delta ecosystem and associated species.

Provide technical and regulatory support for Metropolitan's Delta Island holdings.

Support Development of Water Supplies and Management of Water Reserves

Provide planning, California Environmental Quality Act/National Environmental Policy Act (CEQA/NEPA), and regulatory support for development of new water supplies, including continued planning support for the proposed Regional Recycled Water Program (RRWP).

Prepare CEQA/NEPA and environmental permitting documentation for supplemental water supplies and water conservation measures, including support of Local Resources Programs with member agencies.

Provide strategic environmental compliance input and services to obtain supplemental supplies of water through transfers, banking and innovative crop and land management practices.

Sustainability and Climate Action Planning

Coordinate sustainability and climate action planning.

Assess and evaluate climate action planning, reporting, and measures currently underway in the organization. These include Greenhouse Gas (GHG) emissions tracking, climate change planning and adaptation to protect infrastructure and water supply, water conservation programs, and infrastructure improvements.

Collaborate with other departments to develop a suite of options for executive management consideration regarding the potential development of a Sustainability and Climate Action Plan (CAP) to mitigate the significant effects of greenhouse gas emissions.

Continue the quarterly Our Legacy E-Newsletter series to raise employee awareness on sustainability issues and encourage positive "green" behavior.

Continue the annual Spring Green Expo and ECO Innovators Showcase highlighting innovative ideas and productive partnerships between students and businesses to solve environmental problems and demonstrate actions individuals can take to live and work sustainably.

Ensure Metropolitan's Rideshare Program remains effective for employees and compliant with regulatory requirements.

Cultural Resources Planning

Continue cultural resources planning and education to preserve the historic legacy of Metropolitan.

Complete the historic record documentation for the Colorado River Aqueduct (CRA) and develop a treatment plan for the CRA and its facilities. The treatment plan will provide guidance on how to identify, evaluate, treat, and manage cultural resources associated with the CRA.

Collaborate with External Affairs on cultural resources exhibitions and provide continued support for traditional and social media outreach. Work closely with Engineering Services and Water System Operations to ensure preservation or reproduction, whenever feasible, of Metropolitan's historic built environment, including buildings structures, objects and certain sites.

Regulatory Compliance

Provide timely and professional planning services and CEQA and regulatory support for all capital and O&M projects in an environmentally responsible manner.

Represent Metropolitan and the State Water Contractors on the Ecological Committee and Recreational Advisory Committee for Federal Energy Regulatory Commission license

requirements.

Provide support on federal and state legislative review and identify bills and regulations that should be supported or opposed based on Metropolitan's legislative priorities and policy principles.

Reserve Management

Manage Metropolitan's four large-scale multi-species reserves and participate in several other regional conservation and multi-species reserve programs. Management of these reserves is required to satisfy regulatory requirements for continued delivery of imported water and construction and operation of major O&M and capital projects.

Serve as Metropolitan's representative on the Southwestern Riverside County Multi-Species Reserve Committee, administer a reserve management agreement with Riverside County Parks (Parks) and actively manage reserve lands to ensure compliance with state and federal permits and multi-agency cooperative management agreements, including the Memorandum of Intent (MOI) between Metropolitan, Parks, and other members of the Diamond Valley Lake Ad Hoc Committee.

Serve as Metropolitan's representative on the Reserve Management Committee for the Lake Mathews Multi-Species Reserve, administer a reserve management agreement with Riverside County Habitat Conservation Agency, and actively manage Lake Mathews reserve lands to ensure compliance with state and federal permits. This active participation includes updating the draft management plan.

Represent Metropolitan on the Lower Colorado River Multi-Species Conservation Program and the Orange County Central and Coastal Natural Communities Conservation Plan as voting members of the respective governance committees.

Facilitate collaboration among Metropolitan, Parks, and the Reserve Management Committee towards development of a Trails Plan, to include multi-use connecting trails between Diamond Valley Lake and Lake Skinner and between the Reserve and the County's Regional Trail System.

Work collaboratively with Real Property, Engineering Services, and Parks to facilitate field coordination among stakeholders. Provide technical review of all studies and recommendations pertaining to natural and cultural resources, review and provide input for all recommendations of design and use of trails and trail heads, and provide all other environmental planning support to fulfill provisions of the MOI.

Coordinate capital and O&M projects, as necessary, with reserve management committees, steering committees and boards.

Innovative Solutions

Enhance procurement training methods by expanding online training modules in key areas such as requisition processing, agreement administration and warehouse ordering to further the customer's knowledge.

Collaborate with management to automate the Operating Policy process to increase collaboration, productivity, and operational efficiency. Centralize administrative functions to promote standardization, ensure consistency, and improve efficiency in key areas such as grant management, and document management.

Implement Information Governance / Enterprise Content Management (ECM) to improve existing storage, retrieval and control of physical and electronic records in line with fiscal, legal, and regulatory requirements. Enhance efficiency of core business processes by moving to a digital records environment while protecting Metropolitan by reducing risk of exposure in litigation.

Utilize Metropolitan's EForm Management program to improve business processes, increase productivity and enhance overall user experience by incorporating mobile technology and adopting innovative and efficient business practices.

Employee Development/Succession Planning

Lead and manage employee development, recruitment, knowledge capture, cross-training, and succession planning.

Continue to cross-train staff to promote organizational adaptability, institutional

knowledge, experience, and expertise, particularly in the Desert area and Metropolitan's reserves.

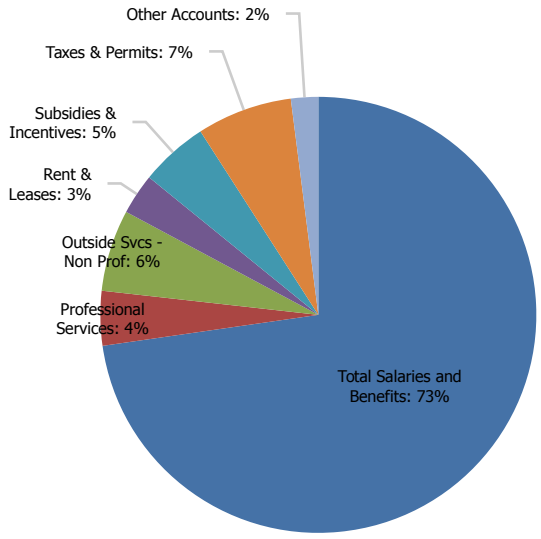
Formalize mentoring for entry-level staff and continue the successful utilization of Metropolitan's student internship program to provide collegiate students hands-on work experience while giving Metropolitan access to future candidates in recruitment.

O&M FINANCIAL SUMMARY

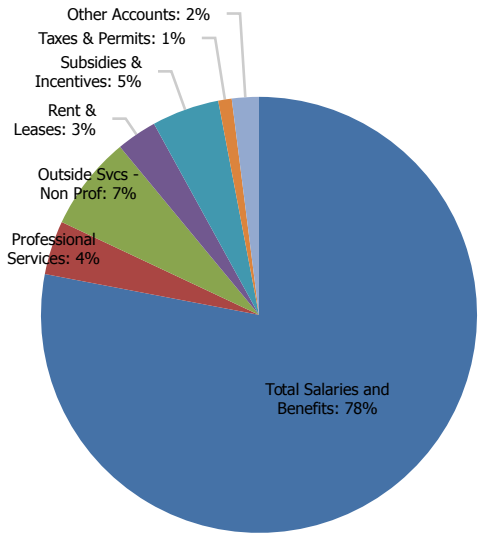
	2016/17 Actual	2017/18 Budget	2018/19 Proposed	Change from 2017/18	2019/20 Proposed	Change from 2018/19
Total Salaries and Benefits	14,822,200	15,191,400	17,237,000	2,045,600	18,559,400	1,322,400
Direct Charges to Capital	*(559,000)*	*(743,600)*	*(1,589,000)*	*(845,400)*	*(1,795,200)*	*(206,200)*
Total Salaries and Benefits	**14,263,200**	**14,447,800**	**15,648,000**	**1,200,200**	**16,764,200**	**1,116,200**
% Change		1.3%		8.3%		7.1%
Professional Services	914,400	573,900	876,900	303,000	798,900	(78,000)
Materials & Supplies	140,400	140,500	211,800	71,300	202,500	(9,300)
Outside Services - Non Professional / Mainte	273,200	322,600	1,402,300	1,079,700	1,598,000	195,700
Rent & Leases	420,700	593,000	658,600	65,600	658,600	—
Subsidies & Incentives	485,000	516,300	1,012,400	496,100	1,012,400	—
Taxes & Permits	32,300	13,900	1,553,600	1,539,700	173,600	(1,380,000)
Other Accounts	44,200	(160,000)	284,400	444,400	220,400	(64,000)
Total O&M	**16,573,400**	**16,448,000**	**21,648,000**	**5,200,000**	**21,428,600**	**(219,400)**
% Change		(0.8%)		31.6%		(1.0%)
Operating Equipment	—	—	195,200	195,200	—	(195,200)
Total O&M and Operating Equipment	**16,573,400**	**16,448,000**	**21,843,200**	**5,395,200**	**21,428,600**	**(414,600)**
% Change		(0.8%)		32.8%		(1.9%)

Note – Totals may not foot due to rounding.

FY 2018/19 BUDGET BY EXPENDITURE

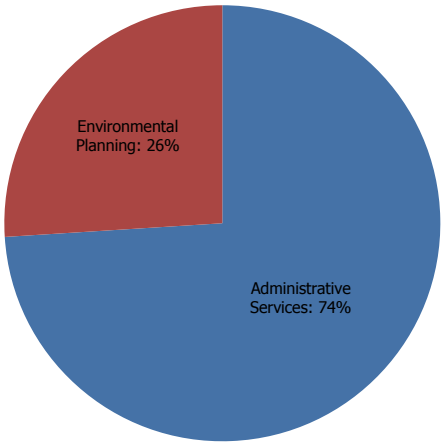


FY 2019/20 BUDGET BY EXPENDITURE

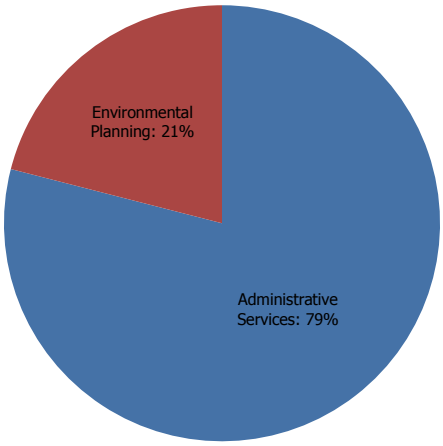


O&M BUDGET BY SECTION

FY 2018/19 BUDGET BY SECTION



FY 2019/20 BUDGET BY SECTION



	2017/18 Budget	2018/19 Proposed	Change from 2017/18	2019/20 Proposed	Change from 2018/19	Personnel Budget 17/18	18/19	19/20
Administrative Services	13,092,700	16,020,200	2,927,500	16,859,100	838,900	81	76	76
Environmental Planning	3,355,300	5,627,800	2,272,400	4,569,600	(1,058,200)	15	17	18
Total O&M	**16,448,100**	**21,648,000**	**5,199,900**	**21,428,700**	**(219,300)**	**96**	**92**	**93**

Note – Totals may not foot due to rounding.

PERSONNEL SUMMARY

		2016/17 Actual	2017/18 Budget	2018/19 Proposed	Change from 2017/18	2019/20 Proposed	Change from 2018/19
Regular	**Total**	**86**	**98**	**97**	**(1)**	**98**	**1**
	O&M	83	96	92	(4)	93	**1**
	Capital	3	2	5	3	5	—
Temporary	**Total**	**1**	**—**	**—**	**—**	**—**	**—**
	O&M	1	**—**	**—**	**—**	**—**	**—**
	Capital	**—**	**—**	**—**	**—**	**—**	**—**
Total Personnel	**Total**	**87**	**98**	**97**	**(1)**	**98**	**1**
	O&M	84	96	92	(4)	93	**1**
	Capital	3	2	5	3	5	—

Note – Totals may not foot due to rounding.

BUDGET HIGHLIGHTS

The Office of the CAO's O&M and Operating Equipment Biennial Budget is $21.8 million in FY 2018/19 and $21.4 million in FY 2019/20 or an increase of 32.8% and a decrease of 1.9%, respectively from the prior budget years. The increase is due to the following factors:

- Salaries and Benefits reflect the addition of three positions in the Environmental Planning section over the biennium to support increased workload, succession planning and the need for in-house technical specialists.
- Taxes and Permits reflect the environmental mitigation costs associated with the Foothill Feeder Dewatering project.
- Professional services reflects an increased need for specialized technical expertise related to environmental planning and remediation efforts, and support for inventory management services.
- Non Professional services reflects an increase for Metropolitan's Enterprise Content Management back file conversion which cannot be capitalized.

The following are the significant changes by budget year.

FY 2018/19

Personnel–related issues

Total personnel count decreased by one FTE from the FY 2017/18 budget. The budget reflects the transfer of three positions (from Administrative Services section) to Real Property and the addition of two positions in Environmental Planning.

Salaries and Benefits reflect the funding of three positions (in Administrative Services section), negotiated labor increases and merit increases for qualified employees.

Professional Services

The budget reflects an increased need for specialized technical expertise related to environmental planning. It also includes remediation efforts and support for inventory management services.

Taxes & Permits

The budget reflects $1.5 million for environmental mitigation for the Foothill Feeder Dewatering Project.

Non Professional Services

The budget increase is due to costs associated with scanning and digitizing documents District-wide as part of the Enterprise Content Management project.

Other Accounts

The budget for rideshare incentives was increased to reflect the increase in the maximum monthly MOU allowance.

FY 2019/20

Personnel–related issues

Total personnel count increased by one FTE from the FY 2018/19 budget with the addition of a position in the Environmental Planning section.

Salaries and Benefits reflect negotiated labor increases and merit increases for qualified employees.

The budget also includes an increase in capital labor for the potential Regional Recycled Water Program, Cal WaterFix and the Enterprise Content Management system.

Professional Services

The budget decreases slightly due to the completion of the Foothill Feeder Dewatering project.

Taxes & Permits

The budget decreases due to the completion of the Foothill Feeder Dewatering Project.

Non-Professional Services

The budget increase is due to costs associated with scanning and digitizing documents District-wide as part of the Enterprise Content Management project.

Operating Equipment - FY 2018/19 and FY 2019/20

The operating equipment budget reflects the replacement of vehicles, forklifts, scanners and microfiche readers.

INFORMATION TECHNOLOGY

Information Technology provides innovation and outstanding value to its customers for a wide range of technical services and enterprise business solutions.

PROGRAMS

Information Technology accomplishes its mission by delivering comprehensive technology services and solutions in water systems and business applications (e.g. laboratory information management system, financial and human resource systems, maintenance management system, etc.), geographic information systems, telecommunications/networks, SCADA, programming, network communications, and computer hardware and software, and cyber security.

Office of Group Manager oversees the management of the Information Technology (IT) group by providing strategic leadership on initiatives and capital investments to improve operational efficiencies, enhance reliability & cyber security capabilities, and deliver innovative options and solutions.

IT Enterprise Architecture is responsible for leading the efforts to develop the application, data, and technology architectures for Metropolitan's Information Technology.

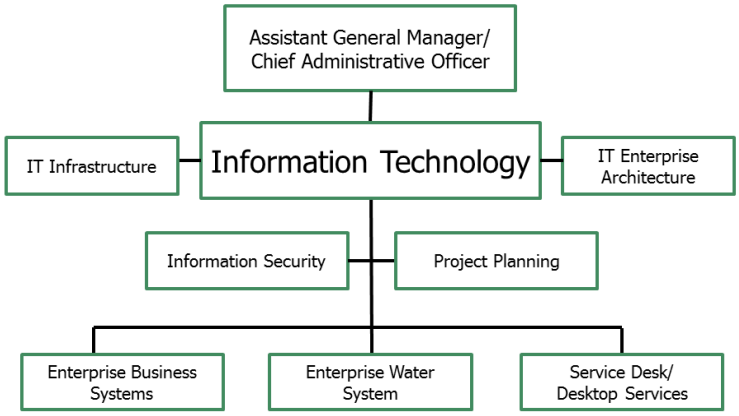
Service Desk / Desktop Services manages and supports IT business and service functions.

IT Infrastructure / Cyber Security is responsible for the management of telecommunications, network services, servers, storage, data center operations and cyber security operations.

Enterprise Business Systems provides services and solutions in the areas of enterprise and business applications.

Enterprise Water Systems is responsible for services and solutions in the areas of Engineering Services and Water System Operations applications.

Project Planning oversees project control and delivery of capital and O&M technology projects.



GOALS AND OBJECTIVES

In FY 2018/19 and FY 2019/20, Information Technology will focus on the following key areas:

Business Technology & Process Enhancement

Implement projects in support of Metropolitan's strategic initiatives including continued migration to mobile technology and implementation of cloud solutions to enhance productivity, streamline business processes, and cost mitigation.

During the past fiscal year, Information Technology underwent an organizational change from section to group that included the filling of the IT group manager position and the formation of a new IT Executive Governance Council. The council was established as an advisory committee to the General Manager to implement IT policies and strategies in alignment with Metropolitan's business goals and priorities. In addition, the establishment of an Operation Technology Governance Committee will provide executive leadership, oversight and collaboration for SCADA OT/IT operations, maintenance, and enhancements. Emerging technology in the business environment will continue to be evaluated and prioritized to determine their application for Metropolitan.

Key areas of focus within Metropolitan's cyber security capabilities include continuous enforcement of security standards to ensure protection against evolving threats and participation in local and national efforts aimed at enhancing security for water utilities.

Information Systems Upgrades and Projects

IT continues to improve partnerships with other business areas to enhance the capabilities of systems that achieve Metropolitan's operational goals and objectives. The following key projects include IT deliverables that add value to the group's business customers:

Engineering and Water System Operations

The Water Systems Control Master Plan aims to fully coordinate and further protect the operational and business investments of Metropolitan's SCADA systems. The master plan includes multi-phased projects already underway starting with preliminary investigations to achieving final design and construction of a new control system.

Continue to upgrade the control and electrical protection systems at the Wadsworth Pumping Plant to ensure continued reliability of the facility.

AMR System RTUs and Radio Modem Upgrade - Project phases include the upgrade of the Automatic Meter Reader (AMR) system and replacement of the Remote Terminal Units (RTUs) and supporting radio equipment.

Maximo Mobile Computing Upgrade aims to replace existing mobile hardware devices that are past their service life and cannot be integrated with current versions of software used for WSO maintenance management.

Energy Management System (EMS) Upgrade - The project's objective is to replace the current system software which is no longer being supported and its functionality is compromised due to the system's age (10+ years).

Partner with the Engineering Services and Water System Operations groups to begin deployment of a Water Systems Asset Information Program that will support ongoing and future planning, engineering, operations, maintenance, and asset management. As part of the infrastructure reliability objective, the Asset Monitoring and Management System project seeks to develop a common framework to manage condition monitoring across Metropolitan's operations.

Engineering Information System Upgrades -This project involves the installation and configuration of the latest version of ProjectWise software featuring additional modules and the ability to integrate with other Metropolitan systems.

Fuel Management System Upgrade seeks to upgrade the system at 13 Metropolitan facilities as a continuation of the refurbishment initiative.

Hydraulic Model Water Quality Calibration Project and Analysis Toolkit Development Project - These projects aim to enable and optimize the use of software that will support hydraulic modeling analysis more efficiently.

Flow Scheduler (WSO) project includes the development of a software tool that will streamline member agency flow change requests and also save Metropolitan operators time when logging flow demand data.

Office of the CAO

Continue to partner with Administrative Services on phase I of the Enterprise Content Management (ECM) project for the design of an ECM application and for the optimization of digital assets on Metropolitan's network storage devices.

Initiate Phase II of the ECM system to provide a framework for collaboration and automation while protecting Metropolitan by reducing risk of exposure in litigation, enhancing efficiency of core business processes, and supporting the enterprise business continuity plan.

Upgrade Metropolitan's Disaster Recovery Data Center. This project upgrades key information technology disaster recovery infrastructure components for continued reliability of systems that support core business applications.

Board Room Technology Upgrade - Deploy the upgrade of audio, video and information technology-related equipment in the main board room and all committee rooms in Metropolitan's headquarters building.

Deploy upgrades to improve the reliability, performance, and capacity of Metropolitan's wireless network infrastructure comprising of microwave radio wide-area networks (WANs) and wireless access point local-area-networks (LANs).

Initiate replacement of the Learning Management System to provide enhanced functionality and access to information and reports in support of Human Resources.

CFO, External Affairs, Legal and Risk Management

The Budget System Replacement Project will support the capital & O&M budget process and Board deliverables. The current system has reached end of life and cannot be upgraded.

The MWDH2o.com Redesign will update Metropolitan's current external-facing website with an improved website that is optimized for integration with current technology and social media.

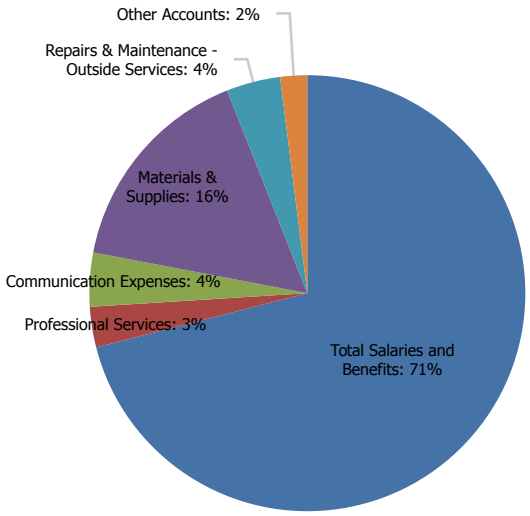
The Incident Reporting System Project will reevaluate the current incident tracking and reporting process to determine requirements for a new system. The current system has reached end of life.

O&M FINANCIAL SUMMARY

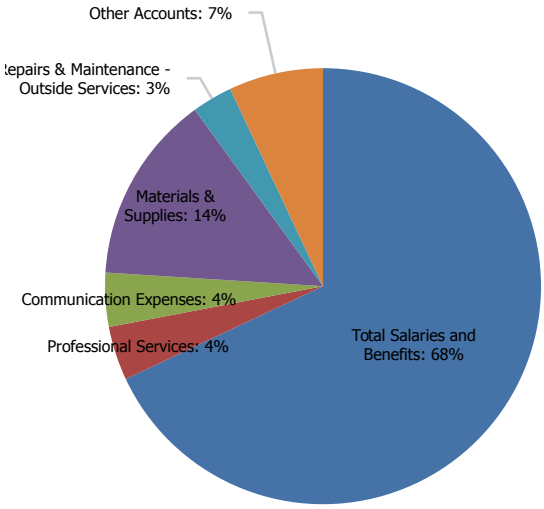
	2016/17 Actual	2017/18 Budget	2018/19 Proposed	Change from 2017/18	2019/20 Proposed	Change from 2018/19
Total Salaries and Benefits	25,194,400	24,818,200	28,334,100	3,515,900	30,810,000	2,475,900
Direct Charges to Capital	*(1,211,100)*	*(1,363,100)*	*(1,375,300)*	*(12,200)*	*(1,400,800)*	*(25,500)*
Total Salaries and Benefits	**23,983,300**	**23,455,100**	**26,958,800**	**3,503,700**	**29,409,200**	**2,450,400**
% Change		(2.2%)		14.9%		9.1%
Professional Services	286,400	483,200	1,283,200	800,000	1,841,000	557,800
Communication Expenses	1,620,200	1,470,100	1,609,500	139,400	1,609,500	—
Equipment Expensed	16,000	57,400	116,000	58,600	2,306,600	2,190,600
Materials & Supplies	4,234,700	4,444,000	6,092,700	1,648,700	6,163,700	71,000
Repairs & Maintenance - Outside Services	514,000	888,500	1,332,500	444,000	1,310,500	(22,000)
Other Accounts	319,800	561,500	616,500	55,000	621,100	4,600
Total O&M	**30,974,400**	**31,359,800**	**38,009,200**	**6,649,400**	**43,261,600**	**5,252,400**
% Change		1.2%		21.2%		13.8%
Operating Equipment	698,749	627,800	1,631,200	1,003,400	748,400	(882,800)
Total O&M and Operating Equipment	**30,974,400**	**31,987,600**	**39,640,400**	**7,652,800**	**44,010,000**	**4,369,600**
% Change		3.3%		23.9%		11.0%

Note – Totals may not foot due to rounding.

FY 2018/19 BUDGET BY EXPENDITURE



FY 2019/20 BUDGET BY EXPENDITURE



PERSONNEL SUMMARY

		2016/17 Actual	2017/18 Budget	2018/19 Proposed	Change from 2017/18	2019/20 Proposed	Change from 2018/19
Regular	**Total**	**118**	**130**	**130**	**—**	**134**	**4**
	O&M	114	123	123	0	127	4
	Capital	4	7	7	0	7	—
Temporary	**Total**	**6**	**1**	**2**	**1**	**2**	**0**
	O&M	5	—	—	—	—	—
	Capital	1	1	2	1	2	0
Total Personnel	**Total**	**124**	**131**	**132**	**1**	**136**	**4**
	O&M	119	123	123	0	127	4
	Capital	5	8	9	1	9	0

Note – Totals may not foot due to rounding.

BUDGET HIGHLIGHTS

At the General Manager's direction, Information Technology was reorganized from section to group. This biennial O&M budget reflects the following:

- Establishment of Office of IT Group Manager
- Alignment of the organization and functions
- Strategic IT initiatives and operational expenses (i.e., enterprise software) related to new capital investments

Information Technology's biennial O&M and Operating Equipment budget is $39.6 million in FY 2018/19 and $44.0 million in FY 2019/20, or an increase of 23.9% and 11.0% respectively from the prior budget years. The increase is due to the following key factors:

- Salaries and Benefits reflect negotiated labor increases and the increase of four positions in FY 2019/20 with the formation of a new Business Analysis Team.
- The PC Replacement Project will take a phased approach at replacing aging PCs and related equipment. The estimated project cost of $5.1 million will be spread over three fiscal years. The approximate cost over the two years of this biennial budget is $3.6 million.
- As part of the Headquarters Seismic Retrofit project, IT will be responsible for coordinating the move of IT equipment (e.g., PCs) during the temporary relocation of staff. Costs are estimated at approximately $0.4 million for the two fiscal years combined.
- Software maintenance cost increases for new corporate/business applications, escalating industry costs and operating expenses related to new capital projects.

The following are the significant changes by budget year

FY 2018/19

Personnel–related matters

Total Personnel count remains flat with FY 2017/18 budget.

Salaries and Benefits reflect negotiated labor increases.

Capital labor budget remains flat in scheduled demands for ongoing rehabilitation and upgrades of IT facilities and application systems. These include upgrades to the DVL Controls at the Wadsworth Pumping Plant, the Water Systems Control Master Plan, Cyber Security Enhancements and Communications Infrastructure Upgrade.

Professional Services

The budget reflects IT support for the PC Replacement project, seismic relocation, on-call services for application enhancements, and other strategic IT priorities.

Materials and Supplies

The budget reflects increased levels of software licensing/support agreements as a result of projects associated with Enterprise Content Management, Emergency Radio Communications, Cyber Security, IT infrastructure, and cost escalations associated with agreements for enterprise software.

Outside Services – Non Professional and Repairs/Maintenance

The budget reflects an increase within this category due to maintenance associated with new and existing IT equipment.

FY 2019/20

Personnel–related issues

Total regular personnel for O&M increased from 130 to 134 FTE, reflecting the formation of a Business Analysis Team. The capital work remains flat from the FY 2018/19 budget.

Salaries and Benefits reflect negotiated labor increases for 134 FTEs and the refunding of one position from the FY 2018/19 budget.

Professional Services

The budget reflects IT support for the PC Replacement project and seismic relocation.

Equipment Expensed

The budget reflects IT equipment for the PC Replacement project.

Operating Equipment – FY 2018/19 and FY 2019/20

The operating equipment budget reflects the critical replacement of IT load balancers, servers, storage devices, service vehicles, unmanned aerial vehicles (Drone), 3D printer, and video conferencing monitors used for Metropolitan applications.

The operating equipment budget is decreasing between budget years FY 2018/19 and FY 2019/20 primarily as a result of fewer IT equipment replacements.

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HUMAN RESOURCES

Human Resources (HR) strategically, and cost effectively, recruits, retains, motivates, rewards, and develops Metropolitan's employees.

PROGRAMS

The focus of Human Resources is to work closely with management to foster effective management; prepare to meet future workforce challenges; partner with customers on solutions; and provide excellent HR services that ensure compliance to numerous HR laws, regulations, and responsibilities.

HR services include employee and labor relations, recruitment and selection, equal employment opportunity (EEO), HR Information Systems, benefits, retirement, leave administration, classification and compensation administration, medical screening, workers' compensation, training, organizational development, workforce and career development, and HR business support services.

HR accomplishes its mission through the following programs or sections:

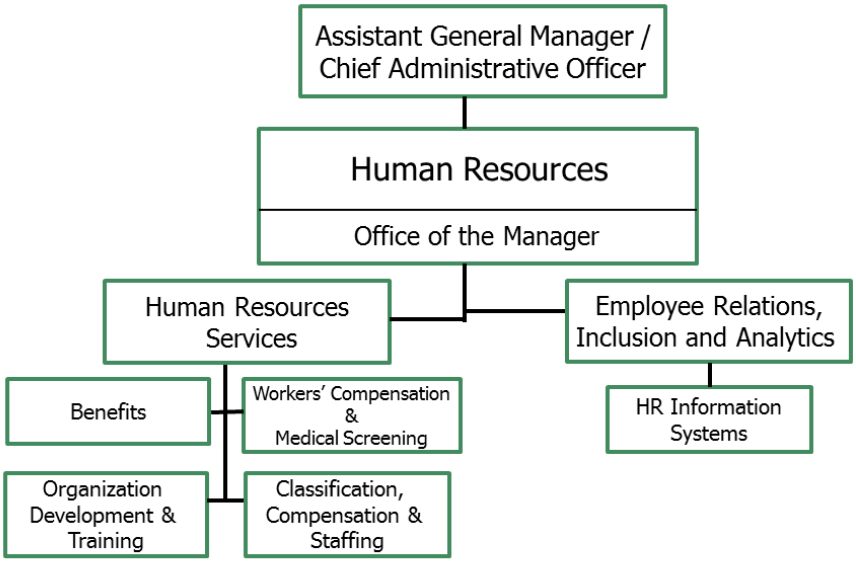
Office of Human Resource Group Manager provides strategic leadership and direction for Metropolitan's Human Resources functions. Organizations reporting directly to it include Employee Relations and Human Resources Services.

Employee Relations is responsible for fostering harmonious labor relations between Metropolitan and its four certified bargaining units, and plays a key role in contract negotiations, including working as a partner with senior management in developing Metropolitan's collective bargaining strategy. The staff also serves as a resource to managers and supervisors on such matters as grievances, disciplinary actions, and workplace conflicts. The section also provides ongoing training to managers on all facets of employer-employee relations.

The section also has responsibility for diversity and inclusion and investigating internal complaints of unlawful discrimination. Diversity and inclusion includes partnering with Employee Resource groups and external affinity groups to outreach to future applicants. EEO investigations staff meet with complainants, interview witnesses, and issue findings as to whether allegations of unlawful discrimination can be substantiated. This work is critical in ensuring that Metropolitan maintains a workplace free of discrimination and harassment.

Finally, Human Resources Information Systems staff administer Metropolitan's MyHR system, and serve as a critical liaison between HR and the Information Technology Group.

Human Resources Services is responsible for the strategic design and implementation of Metropolitan's compensation, benefits, recruitment, training and workers compensation and medical screening functions. The section leads and participates in continuous process improvement and cost optimization studies for all plans. Responsibilities include job analysis, market assessments, recruitment, active employee and retiree benefit program administration, partnering with management on new initiatives, compliance, claim administration, medical screening and implementing new programs and agreements.


Assistant General Manager / Chief Administrative Officer
Human Resources
Office of the Manager
Human Resources Services
Employee Relations, Inclusion and Analytics
Benefits
Workers' Compensation & Medical Screening
HR Information Systems
Organization Development & Training
Classification, Compensation & Staffing

GOALS AND OBJECTIVES

In FY 2018/19 and FY 2019/20, HR will focus on the following key issues that support the GM's objective of Employee Development and additional HR priorities:

Ensure Effective People Management

Strong people management skills are essential to meeting Metropolitan's future challenges and successes. HR will ensure that the role of management is defined and that current managers have the tools and training needed to provide effective management.

A formal, multi-tiered Management and Leadership Development program will help managers better understand their roles and responsibilities as they progress through management.

Learning opportunities will be provided to employees to prepare for future management positions from the entry level manager all the way to the executive level.

Ongoing events, workshops and forums will provide opportunities to deliver consistent expectations and tools for management including motivating and valuing employee contributions.

Strengthen Partnerships with HR Customers

Effective people solutions require that HR partner with its customers which includes management, unions, employees, retirees and others. HR must understand the customer's business needs and then build working relationships that develop effective solutions to people-related challenges. This working partnership will minimize misdirected efforts, speed decision-making, reduce rework and, ultimately, produce a better workplace at a reduced cost.

Strengthened HR/customer partnerships and communications will identify areas for improvement in HR products, services, support and messaging.

Ensure Risk Management, Employee Relations, EEO and the Legal Department coordinate to effectively defend against litigation of liability claims, and to cost-effectively resolve claims.

Prepare to Meet Challenges of Future Workforce Changes

On average, about 100 employees per year are retiring and this trend is expected to continue through the next budget cycle. As experienced and knowledgeable employees retire, HR will continue to support and expand upon on-going succession planning efforts underway.

Efforts will include a focus on learning, development, knowledge capture, cross-training opportunities, and building pipelines for future vacancies.

HR will develop new strategies, support existing efforts and ensure Metropolitan remains competitive when compared to other organizations.

HR will support career development activity undertaken by employees to enhance knowledge, skills, and abilities for future work and promotional opportunities, including support of internship and mentoring initiatives.

Provide Excellent Human Resources Services

HR provides a wide range of services and support from pre–hire to retirement and impacts almost every aspect of the organization. To make maximum contribution, all HR functions must serve as trusted advisors that speak with one voice, listen well and provide consistent guidance on people–related matters.

HR will continue to simplify policies, processes, and procedures to reduce the costs of HR administration by utilizing technology, reducing redundancies or implementing new approaches to existing services.

HR will develop standard reports to enhance management access to employee data and assist with decision–making.

HR will administer a full range of benefit services for health, leave, deferred compensation and retirement programs.

HR will continue to review the recruitment process and procedures to improve quality of hire and time–to–fill.

Ensure Compliance with Laws and Regulations

HR manages compliance to four MOUs and the Administrative Code, and addresses many sensitive and confidential personnel issues.

HR will continue to monitor a wide array of changing legal and regulatory requirements while adapting HR processes and systems to conform to these changing requirements.

HR will ensure Metropolitan meets Equal Employment Opportunity requirements and numerous Federal, State, and Local laws and regulations and Public Sector codes and rulings.

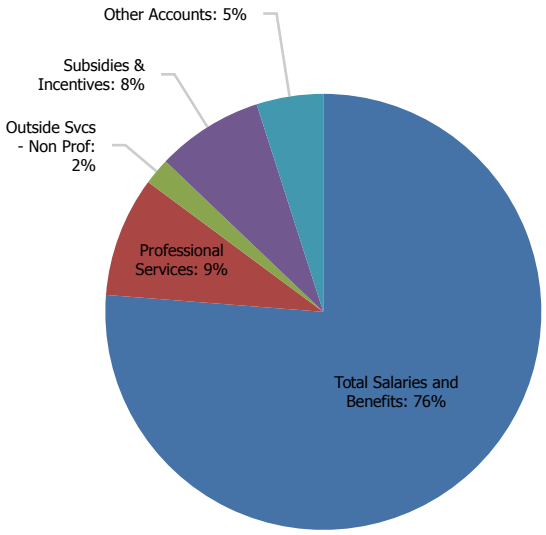
HR will maintain fiduciary responsibilities in the management of financial and retirement programs and comply with the Affordable Care Act and with all privacy and data security requirements.

O&M FINANCIAL SUMMARY

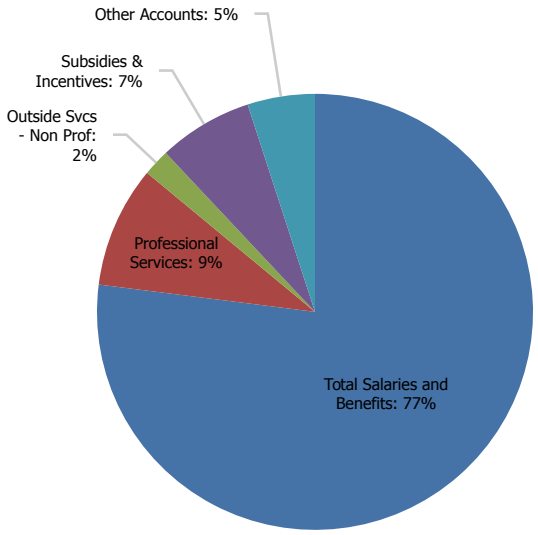
	2016/17 Actual	2017/18 Budget	2018/19 Proposed	Change from 2017/18	2019/20 Proposed	Change from 2018/19
Total Salaries and Benefits	8,120,500	7,829,300	9,445,100	1,615,800	9,973,600	528,500
Direct Charges to Capital	—	—	—	—	—	—
Total Salaries and Benefits	**8,120,500**	**7,829,300**	**9,445,100**	**1,615,800**	**9,973,600**	**528,500**
% Change		(3.6%)		20.6%		5.6%
Professional Services	578,400	885,400	1,104,100	218,700	1,126,700	22,600
Advertising	117,800	150,000	140,000	(10,000)	140,000	—
Outside Services - Non Professional / Mainte	313,600	202,000	231,500	29,500	231,500	—
Subsidies & Incentives	772,300	687,300	960,300	273,000	961,500	1,200
Training & Seminars Costs	222,400	158,200	177,800	19,600	177,700	(100)
Other Accounts	297,200	309,100	283,500	(25,600)	270,500	(13,000)
Total O&M	**10,422,200**	**10,221,300**	**12,342,300**	**2,121,000**	**12,881,500**	**539,200**
% Change		(1.9%)		20.8%		4.4%

Note – Totals may not foot due to rounding.

FY 2018/19 BUDGET BY EXPENDITURE

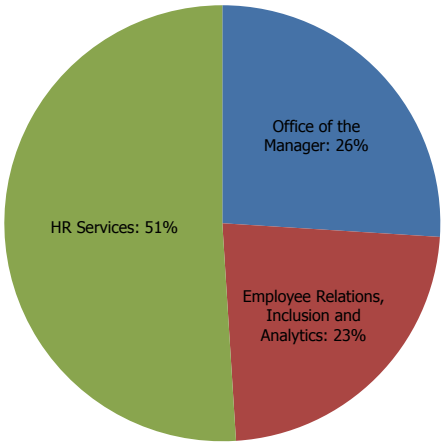


FY 2019/20 BUDGET BY EXPENDITURE

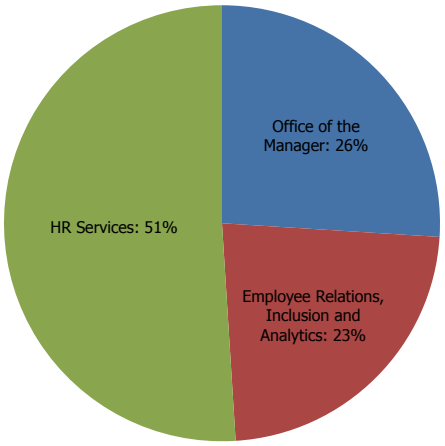


O&M BUDGET BY SECTION

FY 2018/19 BUDGET BY SECTION



FY 2019/20 BUDGET BY SECTION



	2017/18 Budget	2018/19 Proposed	Change from 2017/18	2019/20 Proposed	Change from 2018/19	Personnel Budget 17/18	18/19	19/20
Office of the Manager	2,039,600	3,225,000	1,185,300	3,312,500	87,500	18	7	7
Employee Relations, Inclusion and Analytics	1,717,200	2,795,700	1,078,500	2,951,100	155,400	7	11	11
HR Services	6,464,400	6,321,800	(142,700)	6,618,000	296,200	13	24	24
Total O&M	**10,221,300**	**12,342,400**	**2,121,200**	**12,881,500**	**539,100**	**38**	**42**	**42**

Note – Totals may not foot due to rounding.

PERSONNEL SUMMARY

		2016/17 Actual	2017/18 Budget	2018/19 Proposed	Change from 2017/18	2019/20 Proposed	Change from 2018/19
Regular	**Total**	**38**	**38**	**42**	**4**	**42**	**—**
	O&M	38	38	42	4	42	—
	Capital	0	0	0	0	0	—
Temporary	**Total**	**2**	**—**	**0**	**0**	**0**	**0**
	O&M	2	—	—	—	—	—
	Capital	—	—	0	0	0	0
Total Personnel	**Total**	**39**	**38**	**42**	**4**	**42**	**0**
	O&M	39	38	42	4	42	—
	Capital	0	0	0	0	0	0

Note – Totals may not foot due to rounding.

BUDGET HIGHLIGHTS

HR's Biennial Budget is $12.3 million in FY 2018/19 and $12.9 million in FY 2019/20 or an increase of 20.8% and an increase of 4.4% respectively from the prior budget years. The changes are due primarily to the following factors:

- Increase in staffing by four positions to accommodate increased recruitment and classification workload, succession planning for future vacancies and new initiatives such as the Wellness program.
- Professional services increase in both years due to General Manager Initiatives such as the Wellness and Recognition Programs and increased organizational and employee development training and programs. Additionally, there were increases in our Workers' Compensation third party Contract.
- Subsidies and Incentives increased in both years due to MOU contractual agreements as well as increasing the Tuition Reimbursement budget to accurately reflect the five year usage trends.

The following are the significant changes by budget year.

FY 2018/19

Personnel–related issues

Personnel count increased by four from the FY 2017/18 budget with the addition of a Business Support Team Manager and three HR Analysts in the Office of the Group Manager, Class Compensation and Recruitment and Human Resources Information Systems Team.

Salaries and Benefits reflect negotiated labor increases and merit increases for qualified employees.

Professional Services

The budget reflects increases as a result of bargaining unit negotiations as well as new Wellness and Employee Recognition Programs. The budget also reflects increases in Organizational and Employee Training Programs, as well as an increase in the Workers' Compensation agreement.

Subsidies & Incentives

The budget reflects increases as a result of MOU contractual agreements as well as increasing the Tuition Reimbursement budget to accurately reflect the five year usage trends.

FY 2019/20

Personnel–related issues

Personnel count remains flat from FY 18/19. Salaries and Benefits reflect negotiated labor increases.

Professional Services

The budget is anticipated to increase due to Workers' Compensation and Organization and Development Program contractual increases.

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REAL PROPERTY

Real Property applies strategic approaches to the acquisition, management and protection of Metropolitan's real property assets, and seeks to effectively optimize revenues and control land management costs.

PROGRAMS

The Real Property group accomplishes its mission through the following programs or organizations:

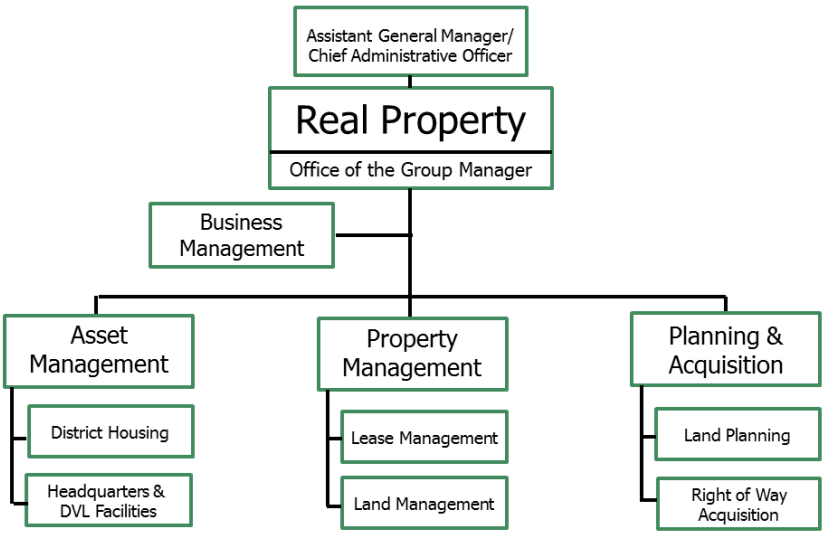
Office of the Group Manager includes Business Management, Planning & Acquisition, Property Management, and Asset Management. The Group Manager directs the group's efforts in planning acquiring, and managing Metropolitan's real property assets; is responsible for the development of real property policies and strategies to centralize Metropolitan's land activities to ensure properties are maintained, secured, and protected for present and future needs.

Business Management monitors and tracks the group's business plan, financial and budgetary initiatives; and provides administrative and business process support. In addition, the Team handles property tax payments, lease payments, provides contract support, and board letter and report coordination.

Planning & Acquisition Unit is responsible for the planning and acquisition of property and property rights for O&M and capital projects, which include the Right of Way and Infrastructure Protection Program, Regional Recycled Water Program, and Bay Delta Initiatives.

Property Management is responsible for managing Metropolitan's real property assets, processing requests for secondary uses of real property and handling surplus property disposition. In addition, the Unit is responsible for the protection of Metropolitan's real property including site inspections, trespass and encroachment resolution.

Asset Management is responsible for management of Metropolitans' headquarters facility, the DVL Visitor Center and provides management and maintenance of employee housing.



GOALS AND OBJECTIVES

In FY 2018/19 and FY 2019/20, Real Property will focus on the following key issues:

Centralized Management of Metropolitan's Real Property Assets

Metropolitan's properties have traditionally been maintained by various Groups within the organization. A centralized management approach will ensure properties are regularly maintained, secured and protected for present and future needs.

Transition the managerial responsibility of employee housing to the Real Property Group.

Prepare a programmatic approach, a staffing plan, a maintenance/replacement schedule and cost estimates for the property management of approximately 100 desert housing units.

Budget, administer, and provide property and facility management services for the leased office space in Sacramento, Washington DC, and San Diego.

Provide facility management direction and logistical support throughout Metropolitan Headquarters Building Improvement Project.

Real Property Asset Protection & Stewardship

Monitor legislation regarding eminent domain, relocation assistance, and public agency real estate acquisition and appraisal practices.

Provide timely and suitable responses to property adjacent projects, land developments, and environmental proceedings.

Complete property management and right-of-way operating policies to reflect contemporary best practices.

Continue to improve processes to monitor financial compliance with terms and conditions of licensing and leasing agreements such as invoicing, insurance coverage, accounts receivable.

Develop an implementation plan to detect and address right-of-way encroachments upon Metropolitan properties with a collaborative cross-functional approach to prioritize and remediate the highest risk conditions.

Develop a qualitative/quantitative approach to identify properties that are surplus to Metropolitan's needs.

Coordinate a monthly cross-functional Property Review Council to review land-use requests by public and private entities to ensure Metropolitan's rights-of-way, facilities, and water quality are protected for optimal operating conditions.

Complete annual site inspections of conveyed property to identify and correct any conditions in conflict with terms and conditions of the conveyance agreements.

File possessory tax reports and tax payments to appropriate counties on time.

Bay Delta Properties

Develop a specific comprehensive Land Management Plan to optimize use and best land owner management practices.

Maximize utilization of the 20,400 acres of agricultural lands/revenue-leases purchased in the Delta to offset costs of land ownership.

Provide support to the California Water Fix and Eco Restore efforts.

Ensure Water Reclamation District assessments, local property taxes and coalition fees are paid on time.

Palo Verde Valley Properties

Develop a specific comprehensive Land Management Plan to optimize use and best land owner management practices.

Manage Metropolitan's 29,000 acres of agricultural lands/revenue-leases to encourage a vibrant farming economy, water conservation, and to offset costs of land ownership.

Ensure Palo Verde Irrigation District water tolls,

local property taxes, and coalition fees are paid by the farmers/lease-holders on time.

Diamond Valley Lake Recreation and Management

Identify infrastructure improvements as part of the Diamond Valley Lake Recreation capital appropriation. These projects will enhance recreational opportunities and promote economic self-sustainability.

Explore marina opportunities to expand lease revenues, and collaborate with the stakeholders of the DVL Recreation Area Memorandum of Intent.

Identify additional DVL land for surplus.

Property & Right of Way Acquisition

Provide real property and right-of-way acquisition, negotiations, and relocation services for the Right of Way and Infrastructure Protection and the Conveyance and Distribution System Rehabilitation projects.

Conduct real property valuation, feasibility and cost studies for proposed and planned infrastructure and water reliability projects such as the Prestressed Concrete Cylinder Pipe (PCCP) Rehabilitation and the Regional Recycled Water Program.

Facility & Energy Management

Continue to optimize the cost of maintaining Metropolitan's headquarters building and DVL Visitors Center while supporting Metropolitan's sustainability initiatives established by the Building Owners and Managers Association and EPA's voluntary ENERGY STAR program.

Execute a multi-year strategic approach to manage critical rehabilitation projects at Metropolitan's Headquarters as the equipment, components, and furnishings reach the end of their useful life cycle.

Initiate a plan to paint, carpet, and replace cubicle/ modular furniture on all floors of the Headquarters Facility.

Prepare the wing space and manage employee relocations during the construction phase of Metropolitan Headquarters Building Improvements Project. Also, develop an alternative plan for food service options while the cafeteria is out of service during the retrofit.

Initiate a multi-year plan to replace asphalt and pavement at the Diamond Valley Lake Recreation areas and roads.

Workforce Development & Succession Planning

Expand knowledge, skills, and abilities of staff through training, succession planning, and educational workshops.

Engage with local universities and professional societies to promote Metropolitan employment opportunities.

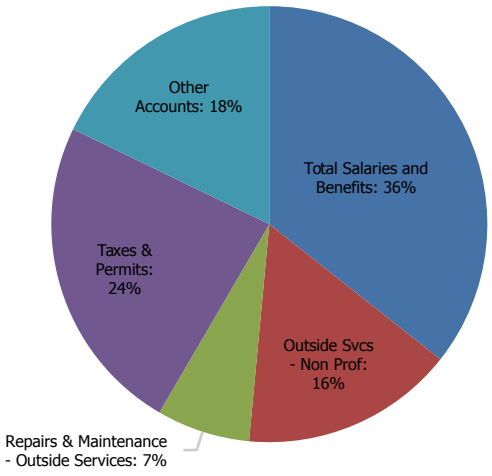
Collaborate with public agencies to identify areas where consistent real property best practices can be applied.

O&M FINANCIAL SUMMARY

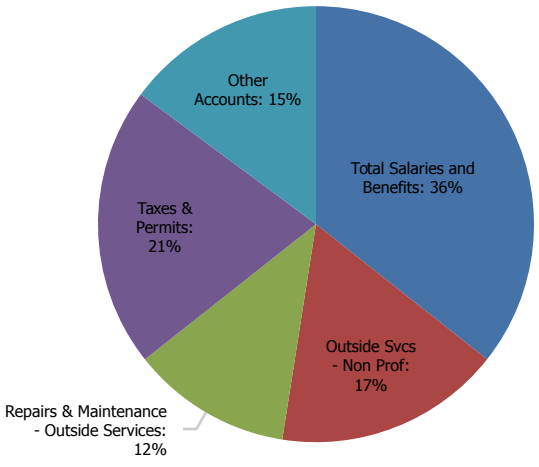
	2016/17 Actual	2017/18 Budget	2018/19 Proposed	Change from 2017/18	2019/20 Proposed	Change from 2018/19
Total Salaries and Benefits	6,178,800	7,356,900	9,482,200	2,125,300	10,165,300	683,100
Direct Charges to Capital	*(300,800)*	*(596,300)*	*(108,700)*	*487,600*	*(117,900)*	*(9,200)*
Total Salaries and Benefits	**5,878,000**	**6,760,600**	**9,373,500**	**2,612,900**	**10,047,400**	**673,900**
% Change		15.0%		38.6%		7.2%
Professional Services	372,500	354,600	934,600	580,000	934,600	—
Outside Services - Non Professional / Mainte	3,120,900	2,608,500	4,120,500	1,512,000	4,782,100	661,600
Rent & Leases	709,700	749,200	916,700	167,500	950,900	34,200
Repairs & Maintenance - Outside Services	504,700	558,000	1,904,700	1,346,700	3,311,200	1,406,500
Taxes & Permits	4,107,100	5,288,300	6,214,000	925,700	5,796,000	(418,000)
Utilities Charges	1,178,300	1,356,100	1,411,100	55,000	1,464,800	53,700
Other Accounts	666,300	587,400	1,463,200	875,800	922,200	(541,000)
Total O&M	**16,537,500**	**18,262,700**	**26,338,300**	**8,075,600**	**28,209,200**	**1,870,900**
% Change		10.4%		44.2%		7.1%
Operating Equipment	—	—	20,200	20,200	—	(20,200)
Total O&M and Operating Equipment	**16,537,500**	**18,262,700**	**26,358,500**	**8,095,800**	**28,209,200**	**1,850,700**
% Change		10.4%		44.3%		7.0%

Note – Totals may not foot due to rounding.

FY 2018/19 BUDGET BY EXPENDITURE



FY 2019/20 BUDGET BY EXPENDITURE



PERSONNEL SUMMARY

		2016/17 Actual	2017/18 Budget	2018/19 Proposed	Change from 2017/18	2019/20 Proposed	Change from 2018/19
Regular	**Total**	**34**	**40**	**50**	**10**	**50**	**—**
	O&M	32	37	49	12	49	—
	Capital	2	3	1	(2)	1	—
Temporary	**Total**	**1**	**1**	**1**	**0**	**1**	**—**
	O&M	1	1	1	0	1	—
	Capital	—	—	—	—	—	—
Total Personnel	**Total**	**35**	**41**	**51**	**10**	**51**	**—**
	O&M	33	38	50	12	50	—
	Capital	2	3	1	(2)	1	—

Note – Totals may not foot due to rounding.

BUDGET HIGHLIGHTS

Real Property's O&M and Operating Equipment Biennial Budget is $26.4 million in FY 2018/19 and $28.2 million in FY 2019/20 or an increase of 44.3% and an increase of 7.0% respectively from the prior budget years. The Biennial Budget includes property taxes and rents & leases previously budgeted in Other O&M. As a result of significant increases in security, trespassing, dumping, illegal land use and increased risk and liability exposure, the Biennial Budget reflects a strategic, centralized, and structured approach to managing Metropolitan's property assets. A centralized approach ensures properties are regularly maintained, secured, and protected for Metropolitan's present and future needs. As a result of this proactive approach, the most significant factors contributing to the overall increase in the budget are outlined below.

- Six new staff positions are required to manage property surveillance and security presence for all vacant properties, property clean-up efforts, landscaping maintenance, roadway development and maintenance, directional signage, marketing plans for surplus properties, encroachment identification/remediation and other miscellaneous items.
- In addition to new staffing requests, four vacant positions are being transferred from Water System Operations to transition the management and maintenance of employee desert housing.
- Additional outside vendors, services, and supplies will be required in the following areas:
    - Support transition of employee housing from Water System Operations;
    - Weed abatement, maintenance of emergency and environmental systems, general repairs and paving for DVL buildings and recreation areas;
    - Services for encroachment assessments and abatement/remediation, fencing, signage, and engaging local law enforcement where required;
    - Planned maintenance and repairs at the Metropolitan's Headquarters Facility;
    - Office relocation services during the Metropolitan Headquarters Building Improvements;
    - Services for maintenance of vacant farmland in Palo Verde;
    - General appraisal and marketing services for the surplus property program.
- Additional taxes and water reclamation district assessments will be incurred as a result of land purchases outside Metropolitan's service area.

The following are the significant changes by budget year.

FY 2018/19

Personnel–related issues

Total personnel count reflects an addition of ten regular positions from FY 2017/18. Six are newly planned for property management and land acquisition and four are transfers to start transitioning the management of employee housing from WSO to Real Property.

Salaries and Benefits are increasing due to new position requests and negotiated labor increases.

Taxes & Permits

The budget reflects an increase associated with the land purchases outside Metropolitan's service area. There are new costs for additional property taxes, assessments from water reclamation districts, and a special one-time assessment to pay down bridge loans of the districts.

Repairs and Maintenance - Outside Services

The budget reflects increases for DVL Recreation, Headquarters, and housing facilities. At DVL, repairs and maintenance are required for fire, life, environmental safety, solar power, and HVAC systems. Also at DVL, a three-year program for repaving at the marina, viewpoint, and roadways will be initiated. At Headquarters, repairs and maintenance is required for the data center, fire, life and environmental safety and building automation systems. Employee housing requests will require general repairs and maintenance services.

Professional and Non Professional Services

The budget reflects an increase in professional consulting services anticipated for architectural/ space planning, appraisal services for surplus property, and law enforcement for trespassing and encroachment remediation.

Non-professional services will be required for scheduled weed abatement at the DVL recreation basin, encroachment remediation projects, and non-capital components of the Metropolitan Headquarters Building Improvement project.

Other

The budget for other accounts include logistical support contracts, equipment and supplies necessary for the relocation of employees in the wings of the headquarter facility during the Metropolitan Headquarters Building Improvements project.

FY 2019/20

Personnel–related issues

Personnel count remains flat from FY 2018/19 budget.

Salaries and Benefits reflect negotiated labor increases.

Professional Services

The budget reflects the reduced need for law enforcement due to lower lake elevations and the resulting decrease in visitors.

Non Professional Services

The budget reflects an increase for physically moving employee offices in and out of the wing section of the headquarters facility during the seismic retrofit.

Repairs and Maintenance - Outside Services

The budget reflects a planned effort for painting and replacing of carpet, and cubicle/modular furniture for one floor of the headquarters facility. Staff's strategy is to refurbish all the floors at headquarters over a ten-year period.

Taxes & Permits

The budget reflects a decrease due to the special one-time Bay Delta reclamation districts' assessment in FY 2018/19.

Other

The budget for other accounts reflects a decrease due to completion of repairs and maintenance projects at DVL and headquarters in FY 2018/19.

Operating Equipment – FY 2018/19 and FY 2019/20

FY 2018/19 reflects the replacement of Headquarters Building equipment at end of life.

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OFFICE OF CHIEF FINANCIAL OFFICER

The Office of the Chief Financial Officer (CFO) provides innovative, proactive, and strategic financial direction in support of the mission of Metropolitan, the Board of Directors, management, and employees.

PROGRAMS

The Office of the Chief Financial Officer is responsible for maintaining Metropolitan's strong financial position and high credit ratings and helping to achieve equitable water rates and charges that generate sufficient revenues.

In addition, the Office of the CFO assists in the efficient management of Metropolitan's financial resources, and ensures that adequate financial controls are in place to accurately record financial transactions, communicate financial results, and protect Metropolitan's assets.

The Office of the CFO accomplishes its mission through the following programs or sections:

Chief Financial Officer is responsible for the overall administration of finance and accounting functions for Metropolitan including debt and investment management; financial planning and analysis including rate setting and budgeting; accounting and control including financial reporting, payroll, accounts payable, accounts receivable; and risk management and business continuity.

The business continuity program ensures that Metropolitan takes the necessary steps to identify the impacts of potential losses and maintain viable recovery strategies, recovery plans, and continuity of operations.

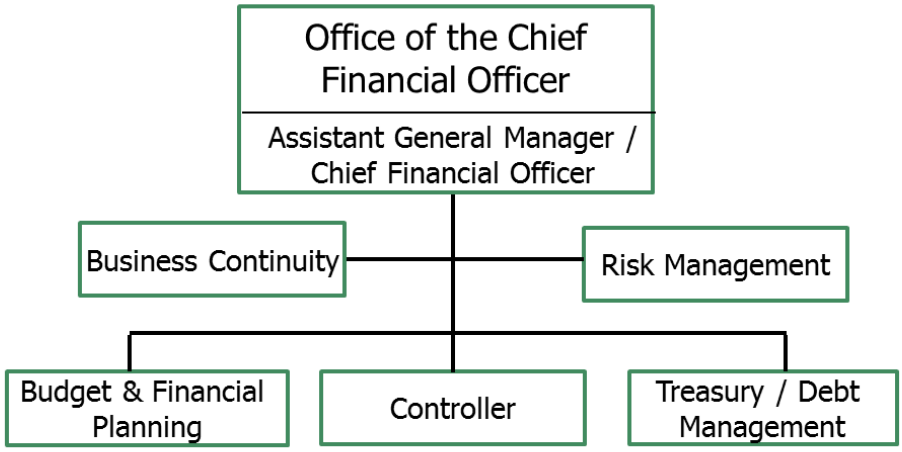
Business Continuity Management Program ensures that Metropolitan takes the necessary steps to identify potential business impacts, mitigation strategies, and effectively recover critical operations following a major emergency or business disruption. This is accomplished through the development of recovery plans and strategies along with ongoing maintenance, testing, training and awareness. In addition, emergency communications are also spearheaded using the MIR3 mass notification system.

Risk Management reports directly to the Chief Financial Officer section, is responsible for managing all aspects of Metropolitan's casualty insurance and risk management programs to minimize exposure to loss; access risk and recommend strategies to minimize or transfer contract risk on all Metropolitan and agreements, and procure excess and specialty insurance policies to supplement the self-insured property and liability claims program.

Budget and Financial Planning is responsible for Metropolitan's Biennial Budget, revenue requirements, and rates and charges recommendations; cost monitoring and analysis; short and long term financial analysis; planning and financial modeling; the water standby charge program; and the annual tax levy and annexation fee calculations.

Controller is responsible for maintaining internal controls that safeguard Metropolitan's assets, as well as recording and maintaining its official accounting records via the billing, accounts payable, payroll, and financial reporting functions.

Treasury/Debt Management is responsible for Metropolitan's investment and treasury obligations including receipt, safekeeping, and disbursement of Metropolitan's funds; preparation of security sales documents; and all commercial banking activities, including receipts and payment processing, such as wires, checks, and automatic deposits; and administration of debt obligations including all issuance of bonds, and investor and bond rating agency relations.


Office of the Chief Financial Officer
Assistant General Manager / Chief Financial Officer
Business Continuity
Risk Management
Budget & Financial Planning
Controller
Treasury / Debt Management

GOALS AND OBJECTIVES

In FY2018/19 and FY 2019/2020 the Office of the CFO will focus on the following key issues:

Cost of Service and Budget

Complete the biennial cost–of–service analysis for rates and charges. Complete and implement the Biennial Budget.

Financial Forecasts and Analysis

Provide an updated Ten-Year Financial Forecast in the Biennial Budget.

Continue to provide the Board with various analyses to manage financial performance for long–term rate stability, given the future potential implementation of the California WaterFix and the Regional Recycled Water Program.

Analyze the funding of financial initiatives as identified.

Annexation/Tax Levy

Complete the annual annexation calculation and tax levy assessment.

Rates and Charges

Manage and effectively administer rates and charges to recover costs consistent with Board policy and objectives.

Financial Reporting/Internal Controls

Continue to record and report the financial activities of Metropolitan in a timely and transparent manner to the Board and member agencies.

Continue to ensure that internal controls are in place to provide assurance that assets are safeguarded and financial information is fairly stated.

Continue to improve communications of financial information to the Board, member agencies, management, and the financial community.

Continue to improve communications of financial information to the Board, member agencies, management, and the financial community.

Capital Financing

Update capital financing plans and work with rating agencies and investors to communicate financial needs and capabilities, ensure cost–effective access to capital markets, and maintain long–term bond ratings of AA or better.

Work with Metropolitan's underwriting team, financial advisors, and swap advisors to identify financing opportunities to prudently manage the overall cost of financing Metropolitan's capital investment program.
Manage investor relations to ensure clear communications, accuracy of information, and integrity.

Continue to manage debt service to mitigate the volatility of debt service payments over time and reduce debt service costs through re–financings and the prudent use of interest rate swaps, in accordance with Metropolitan's interest rate swap policy.

Maintain relationships with the financial community and bond rating agencies to maintain Metropolitan's high credit ratings and access to various aspects of the financial markets to maximize financial flexibility.

Investment

Prudently invest Metropolitan's funds with the objective of safety of principal, liquidity, and yield.

Manage the short term portfolio to provide the necessary liquidity to fund in excess of $3.0 billion over the biennium in expenditures for Operations and Maintenance, debt service, and construction projects.

Measure the performance of the short–term portfolio, and manage the portfolio to meet or exceed the short–term benchmark consistent within established investment codes and policy.

Manage outside portfolio managers to ensure compliance with Metropolitan's investment policy, and to monitor investment performance.

Risk Management

Continue to effectively manage Metropolitan's casualty insurance and risk management programs to minimize exposure to loss.

Business Continuity

Continue to refine the Business Continuity Plan template and FUsion system to capture better information and produce actionable and easy to follow recovery plans.

Collaborate with the business users to perform annual plan updates and approvals using Fusion software.

Conduct biannual application recovery exercises will be with the business users to ensure accessibility, data integrity, and functionality of critical applications and data as indicated in the Business Impact Analysis (BIA). Information Technology is enhancing the disaster recovery infrastructure at the Lake Mathews backup data center that will provide a robust and safe test environment for the business users.

Conduct tabletop exercises for Metropolitan's business continuity plan to validate recovery strategies and identify areas in need of updating.

Test emergency communications using MetAlert (the MIR3 mass notification system) on a regular frequency to all employees as well as the Board to ensure effective communications in the event normal methods are impacted.

Workforce Development & Succession Planning

Continue to examine and consider the challenges associated with succession planning and future staffing requirements in light of the composition and age of the workforce.

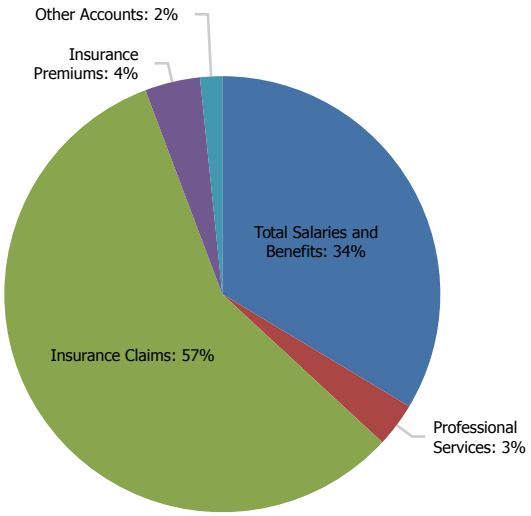
Work with each section within the Office of the CFO to establish staff back-up responsibilities for various work processes.

O&M FINANCIAL SUMMARY

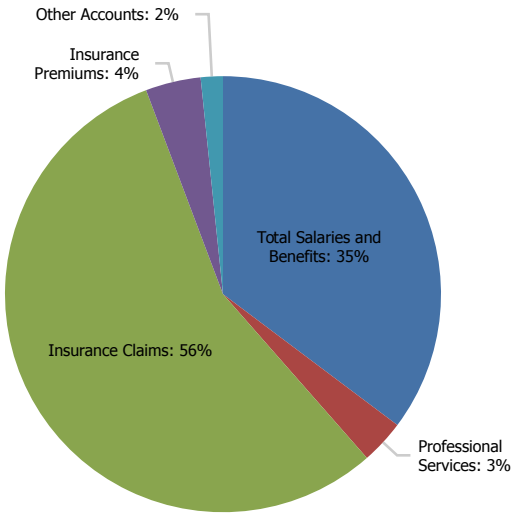
	2016/17 Actual	2017/18 Budget	2018/19 Proposed	Change from 2017/18	2019/20 Proposed	Change from 2018/19
Total Salaries and Benefits	8,911,600	8,770,400	10,153,100	1,382,700	10,763,100	610,000
Direct Charges to Capital	—	—	—	—	—	—
Total Salaries and Benefits	**8,911,600**	**8,770,400**	**10,153,100**	**1,382,700**	**10,763,100**	**610,000**
% Change		(1.6%)		15.8%		6.0%
Professional Services	1,250,500	1,234,100	1,076,600	(157,500)	1,076,600	—
Insurance Claims	(3,180,400)	11,537,300	11,529,000	(8,300)	11,547,600	18,600
Insurance Premiums	1,116,100	1,300,000	1,300,000	—	1,300,000	—
Other Accounts	272,600	240,600	502,700	262,100	510,900	8,200
Total O&M	**8,370,400**	**23,082,400**	**24,561,400**	**1,479,000**	**25,198,200**	**636,800**
% Change		175.8%		6.4%		2.6%

Note – Totals may not foot due to rounding.

FY 2018/19 BUDGET BY EXPENDITURE

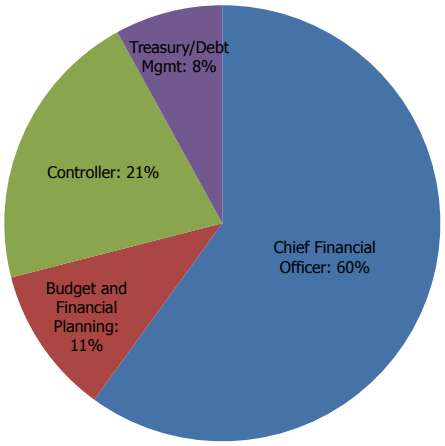


FY 2019/20 BUDGET BY EXPENDITURE

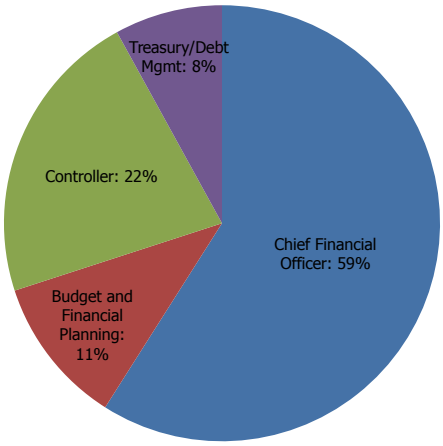


O&M BUDGET BY SECTION

FY 2018/19 BUDGET BY SECTION



FY 2019/20 BUDGET BY SECTION



	2017/18 Budget	2018/19 Proposed	Change from 2017/18	2019/20 Proposed	Change from 2018/19	Personnel Budget 17/18	18/19	19/20
Chief Financial Officer	14,403,300	14,734,300	331,000	14,847,600	113,400	6	6	6
Budget and Financial Planning	1,931,800	2,670,600	738,800	2,822,600	152,000	8	10	10
Controller	4,602,700	5,184,300	581,600	5,487,800	303,500	28	28	28
Treasury/Debt Mgmt	2,144,500	1,972,200	(172,200)	2,040,100	67,900	7	5	5
Total O&M	**23,082,300**	**24,561,400**	**1,479,100**	**25,198,100**	**636,700**	**49**	**49**	**49**

Note – Totals may not foot due to rounding.

PERSONNEL SUMMARY

		2016/17 Actual	2017/18 Budget	2018/19 Proposed	Change from 2017/18	2019/20 Proposed	Change from 2018/19
Regular	**Total**	**46**	**49**	**49**	**—**	**49**	**—**
	O&M	46	49	49	—	49	—
	Capital	0	0	—	—	—	—
Temporary	**Total**	**0**	**—**	**—**	**—**	**—**	**—**
	O&M	0	—	—	—	—	—
	Capital	—	—	—	—	—	—
Total Personnel	**Total**	**46**	**49**	**49**	**—**	**49**	**—**
	O&M	46	49	49	—	49	—
	Capital	0	0	—	—	—	—

Note – Totals may not foot due to rounding.

BUDGET HIGHLIGHTS

The Office of the CFO's O&M and Operating Equipment Biennial Budget is $24.6 million in FY 2018/19 and $25.2 million in FY 2019/20 or an increase of 4.5% and an increase of 2.6% respectively from the prior budget years.

The change is primarily due to the following factors:

- The increase in Salaries and Benefits is a result of three positions being funded, negotiated labor increases, promotions and merit increases for qualified employees.
- Professional Services and other non–labor costs excluding insurance increased by 0.9% over the biennium.

The following are the significant changes by budget year.

FY 2018/19

Personnel–related issues

Total personnel count remains flat with the FY 2017/18 budget.

Salaries and Benefits reflect the funding of three positions, promotions, negotiated labor increases and merit increases for qualified employees.

Professional Services

The decrease in the budget is the result of the realignment of some of the budget from professional services to memberships and subscriptions. The result is a $80K increase in the budget for professional services and memberships & subscriptions combined from the FY 2017/18 budget.

Insurance Claims

Third party liability claims budget is anticipated to remain relatively flat.

FY 2019/20

Personnel–related issues

Total personnel count remains flat from the FY 2018/19 budget.

Salaries and Benefits reflect negotiated labor increases.

Insurance Claims

Third party liability claims budget is anticipated to remain relatively flat.

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EXTERNAL AFFAIRS

External Affairs builds awareness and support for Metropolitan's mission and programs by directing media and stakeholder communications, public outreach and education projects, legislative activities, business outreach and innovation programs, and member agency support services.

PROGRAMS

External Affairs is responsible for advancing Metropolitan's policy objectives and communicating with large and diverse audiences on behalf of the district. A strong portfolio of communication tools, public outreach and sponsorship programs, education, legislative and innovation activities is used to build positive working relationships and increase awareness of Metropolitan's programs and initiatives with the public, news media, legislators, regulators, educators, community groups, businesses, labor organizations, Metropolitan's public member agencies and other stakeholders.

Staff at the Union Station headquarters office and regional representatives give voice to Metropolitan's policy priorities and projects throughout Southern California. External Affairs also manages strategic activities and regional outreach in Metropolitan's offices in Sacramento, Washington, D.C. and San Diego.

Office of Group Manager directs the activities of Business Outreach, Conservation and Community Services, Legislative Services, Media Services and the Member Services and Public Outreach sections, and the Business Management team. The Group Manager provides strategic leadership to communicate Metropolitan's policy objectives in coordination with the board, executive management and other groups within the organization.

Business Outreach Team actively encourages the participation of small, locally-owned, women-owned, minority-owned, disabled veteran-owned and economically disadvantaged business enterprises, business in the solicitation and procurement of construction contracts, professional services agreements, equipment and other materials and supplies. Through participation and collaboration with emerging companies, entrepreneurs, innovation hubs and other agencies, the Business Outreach section enhances involvement in new technologies and positions Metropolitan as an international leader in water innovation.

Legislative Services promotes and protects the interests of Metropolitan and its member agencies before executive, legislative, and regulatory agencies of the state and federal governments. The section advances Metropolitan's policy objectives and board–adopted legislative priorities with legislators and other water policymakers, and supports an effective and growing outreach program with member agencies and stakeholders to mobilize and sustain support for Metropolitan's key initiatives.

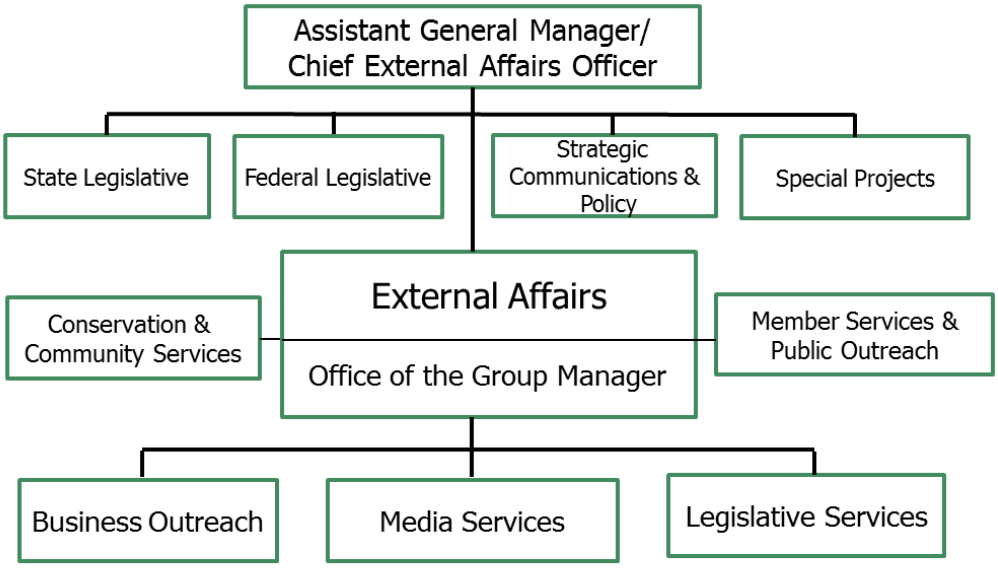
Conservation and Community Services advances public awareness of Metropolitan and important water and conservation issues through advertising, education and community outreach. The section promotes and helps market conservation programs and activities, and manages Metropolitan's sponsorships for education and research programs, water forums, events and community partnerships.

The Education Unit supports comprehensive, standards-based water education curriculum and works with educational associations, institutions and teachers to provide water education resources for elementary and secondary schools, colleges and universities.

Member Services and Public Outreach provides support services to Metropolitan's member agencies and manages outreach efforts for Metropolitan's facility operations, construction activities and other water resource initiatives. The section works with and supports local government, business, agriculture and community organizations, and directs research efforts to support Metropolitan programs.

The Inspection Trip Team conducts board-sponsored field inspections of Metropolitan and related facilities to educate and inform business and community leaders with firsthand knowledge of Metropolitan's operations.

Media Services develops, coordinates and communicates messages, information and achievements to support Metropolitan's key objectives and programs. The section is responsible for media inquiries, press releases and conferences, informational resources including fact sheets, talking points, brochures and opinion pieces and videos, and managing Metropolitan's websites, e–newsletters, blogs and a growing presence on social media platforms and digital platforms.



GOALS AND OBJECTIVES

In FY 2018/19 and FY 2019/20, External Affairs will continue to focus on the following key issues and objectives:

Communications and Outreach Efforts

Expand and continue to improve the use of strategic, impactful and creative communication plans and programs to inform the public, businesses, environmental and other stakeholder groups about Metropolitan's initiatives and leadership to ensure safe, reliable and sustainable water supplies now and into the future.

Update content and informational resources on current websites, develop new microsites as needed, and manage the mwdh2o.com website redesign project to improve the functionality, content management, security and end-user experience.

Develop in-house management of social media activities, search engine optimization and marketing functions to meet business and outreach goals.

Strengthen the capacity of sponsorship and partnership programs, including the Community Partnering Program, legislative sponsorships and memberships, and business outreach sponsorships, to enhance information-sharing on water issues and stewardship and relationships with non-governmental organizations, business groups, local elected officials, community organizations and other stakeholder groups throughout Southern California.

Engage in research and related activities that provide accurate and timely information on public opinions, consumer attitudes and awareness to inform future outreach activities with member agencies, stakeholders and the public.

Water Supply Reliability, Conservation and Sustainability

Develop and implement an effective and well-managed multimedia, multilingual advertising and outreach campaign to increase public awareness of water supply conditions, Metropolitan and member agency rebate programs, and support for long-term conservation strategies.

Provide communication support for Metropolitan programs, planning activities and projects that ensure water supply reliability, including existing water operations, imported supplies from the Colorado River and State Water Project, local resource programs that diversify the region's water portfolio, conservation actions and innovative water supply technologies.

Increase awareness of Metropolitan's long-standing efforts to promote environmental stewardship through actions and investments for projects, programs, research and collaborative activities that protect, restore and enhance habitat and ecosystems, watersheds, and water quality.

Promote public awareness of climate change impacts on water supply conditions and reliability using a range of community and outreach tools to support Metropolitan's current and future initiatives with climate change adaptation and actions.

Bay-Delta and Local Supply Initiatives

Provide information and secure support of stakeholders, the public and legislators for Metropolitan's positions on policies that promote water supply reliability and an environmentally sustainable Bay-Delta. This includes programs and policies related to the California WaterFix, California EcoRestore and Metropolitan-owned properties in the Delta.

Ensure strong coordination and consistent messaging with state and federal agencies, State Water Contractors, JPA participating agencies, and member agencies on activities related to California WaterFix.

Provide communication and community outreach to increase public awareness of and support for new and proposed projects to advance local supply development, including the Regional Recycled Water Project demonstration facility.

Legislative Policy Objectives

Work with the board, member agencies and executive management to secure support for and/or sponsor federal and state legislation and regulatory policies that advance Metropolitan's

policy objectives, including strategic water quality and supply initiatives, conservation, Delta solutions, regional water resources projects, and sustainable water and energy management.

Conduct briefings, presentations and tours for elected officials and government leaders, and community-based environmental and business organizations to increase understanding of key water infrastructure systems and investments and key legislative and regulatory policies.

Member Agency Support

Facilitate ongoing communication and coordination between Metropolitan and its member agencies through regular meetings with general managers, legislative and education coordinators, and public information officers.

Effectively manage the inspection trip program to educate the public, business and community leaders, elected officials, news media, members of the public about Metropolitan and encourage a dialogue about the state's water supply and infrastructure, environmental issues and climate change impacts, agriculture and urban water interface and future challenges.

Provide primary support to the Communications and Legislation Committee and the Agriculture and Industry Relations Committee, and ensure that committee presentations, board letters and associated activities provide timely, accurate and relevant information on programs, trends and activities to help inform board actions and ensure transparency.

Business Outreach

Maintain an effective Business Outreach program for regional small businesses and veterans to ensure broad participation while achieving board-adopted goals of 25 percent or better for contracting dollars to small business and 3 percent to disabled veteran-owned enterprises.

Partner with member agencies in hosting "Connect 2 Met" and other business opportunity forums to educate local businesses on how to conduct business with public agencies and their purchasing departments.

Provide leadership and collaborate with Metropolitan's member agencies, other public agencies and innovative programs to identify, develop and promote emerging water technologies.

Educational Programs

Update and expand distribution of Metropolitan's comprehensive K-12 water education curriculum in the areas of science, math, language arts and social studies.

In coordination with member agencies and the educational community, explore opportunities to expand educational services through the use of new technologies to reach more students, teachers and classrooms, including underserved and culturally diverse populations.

Support and manage Metropolitan's unique educational programs, including Solar Cup competition, World Water Forum and the Student Art Contest.

Emergency Management and Crisis Communication

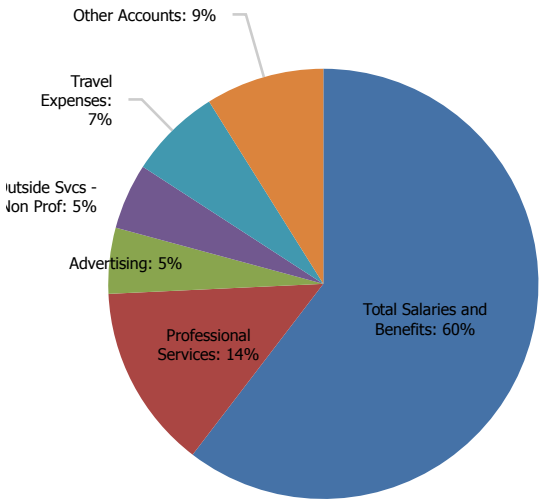
Support Metropolitan's emergency preparedness with a responsive crisis communications plan, well-trained staff, and the use of social media and other communications technologies to provide essential services during times of emergency and in response to disasters.

O&M FINANCIAL SUMMARY

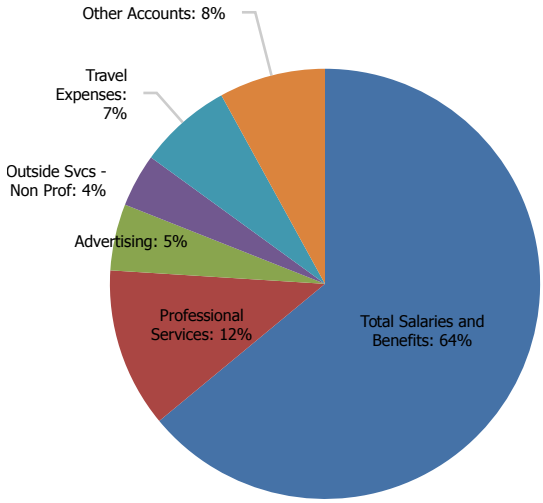
	2016/17 Actual	2017/18 Budget	2018/19 Proposed	Change from 2017/18	2019/20 Proposed	Change from 2018/19
Total Salaries and Benefits	14,861,500	14,816,600	16,756,100	1,939,500	17,783,900	1,027,800
Direct Charges to Capital	—	—	—	—	—	—
Total Salaries and Benefits	**14,861,500**	**14,816,600**	**16,756,100**	**1,939,500**	**17,783,900**	**1,027,800**
% Change		(0.3%)		13.1%		6.1%
Professional Services	2,123,700	2,921,700	3,828,700	907,000	3,306,300	(522,400)
Advertising	3,175,800	2,200,000	1,312,200	(887,800)	1,320,800	8,600
Community Outreach Activities	289,200	220,000	400,000	180,000	400,000	—
Memberships & Subscriptions	347,600	440,600	459,100	18,500	474,100	15,000
Outside Services - Non Professional / Mainte	579,300	631,200	1,511,700	880,500	1,178,200	(333,500)
Sponsorships	386,800	411,300	559,300	148,000	559,300	—
Travel Expenses	1,448,000	1,726,900	1,840,400	113,500	1,831,400	(9,000)
Other Accounts	909,300	966,900	937,100	(29,800)	898,100	(39,000)
Total O&M	**24,121,200**	**24,335,200**	**27,604,600**	**3,269,400**	**27,752,100**	**147,500**
% Change		0.9%		13.4%		0.5%
Operating Equipment	37,210	—	30,800	30,800	32,300	1,500
Total O&M and Operating Equipment	**24,121,200**	**24,335,200**	**27,635,400**	**3,300,200**	**27,784,400**	**149,000**
% Change		0.9%		13.6%		0.5%

Note – Totals may not foot due to rounding.

FY 2018/19 BUDGET BY EXPENDITURE

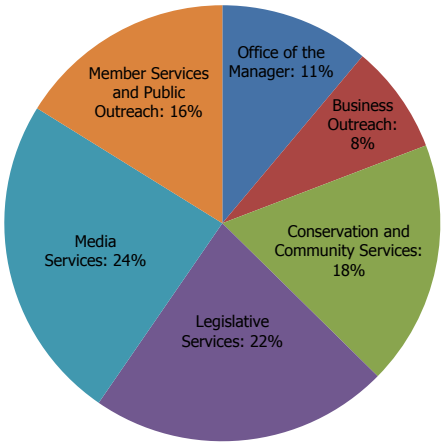


FY 2019/20 BUDGET BY EXPENDITURE

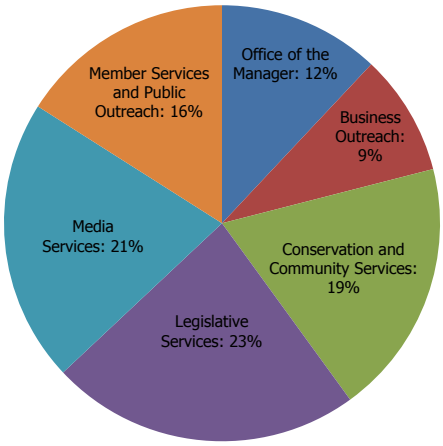


O&M BUDGET BY SECTION

FY 2018/19 BUDGET BY SECTION



FY 2019/20 BUDGET BY SECTION



	2017/18 Budget	2018/19 Proposed	Change from 2017/18	2019/20 Proposed	Change from 2018/19	Personnel Budget 17/18	18/19	19/20
Office of the Manager	2,979,700	3,089,100	109,400	3,213,800	124,700	10	9	9
Business Outreach	1,874,800	2,332,000	457,200	2,421,400	89,300	7	7	7
Conservation and Community Services	5,789,000	5,055,300	(733,700)	5,275,400	220,000	11	11	11
Legislative Services	5,828,200	6,118,600	290,400	6,351,900	233,300	14	14	14
Media Services	3,948,300	6,571,100	2,622,800	5,963,700	(607,400)	18	20	20
Member Services and Public Outreach	3,915,100	4,438,500	523,400	4,526,200	87,600	10	10	10
Total O&M	**24,335,100**	**27,604,600**	**3,269,500**	**27,752,200**	**147,700**	**70**	**71**	**71**

Note – Totals may not foot due to rounding.

PERSONNEL SUMMARY

		2016/17 Actual	2017/18 Budget	2018/19 Proposed	Change from 2017/18	2019/20 Proposed	Change from 2018/19
Regular	**Total**	**67**	**70**	**71**	**1**	**71**	**—**
	O&M	67	70	71	1	71	—
	Capital	—	—	—	—	—	—
Temporary	**Total**	**1**	**—**	**0**	**0**	**—**	**0**
	O&M	1	—	0	0	—	0
	Capital	—	—	—	—	—	—
Total Personnel	**Total**	**67**	**70**	**71**	**1**	**71**	**0**
	O&M	67	70	71	1	71	0
	Capital	—	—	—	—	—	—

Note – Totals may not foot due to rounding.

BUDGET HIGHLIGHTS

External Affairs' O&M and Operating Equipment Biennial Budget is $27.6 million in FY 2018/19 and $27.8 million in FY 2019/20 or an increase of 13.6% and an increase of 0.5%, respectively from the prior budget years. In an effort to achieve budget savings, advertising and outreach efforts have been reexamined and redistributed with the following impacts:

- Advertising: External Affairs will manage a new three-year multi-media multilingual advertisement campaign in continued efforts to promote conservation as a way of life for Southern California. In FY 2018/19, the board authorized $5.5 million for the campaign. For FY 2019/20 the campaign will be funded in coordination with WRM from the water conservation budget and will include enhanced research, optimization and program benchmark measurement. Management has redirected previously budgeted advertising funds to in-house social media and search-engine optimization/marketing; innovation-directed studies, Colorado River exhibition, capital project outreach and legislative and business outreach efforts and retains adequate funding for future outreach and advertising on policy initiatives and key issues.

- Capital Projects Outreach: External Affairs will continue to provide communications and public outreach support for capital improvements and other major initiatives, including California WaterFix, the Regional Recycled Water Program demonstration and visitors center, construction, and refurbishment of existing infrastructure, such as Colorado River, Second Lower Feeder, and other pipe rehabilitation projects, with funding from the capital projects.

- The Board and Executive Management have identified website redesign as a priority to keep up with electronic media needs for Metropolitan's service area and all potential site visitors. To meet this priority, $1.2 million has been budgeted in FY 2018/19 and $500,000 in FY 2019/20 to redesign the mwdh2o.com website.

- Diamond Valley Lake: External Affairs has budgeted $25,000 for various exhibit restoration and maintenance costs in FY 2018/19 and FY 2019/20 to bring the exhibits at the DVL Visitors Center to a level of quality consistent with Metropolitan's standards and to provide cutting-edge innovation and information that engages audiences to discover more about the history and future of water supply management in Southern California.

The following are the significant changes by budget year:

FY 2018/19

Personnel–related issues

The budget for Salary and Benefits reflects negotiated labor increases somewhat offset by anticipated vacancies from retirements and unfilled positions. One additional regular position has been added to provide support for capital projects outreach and communications and succession planning for the Member Services and Public Outreach Section.

Fiscal years 2016/17 and 2017/18 budget was restated to reflect movement of the Inspection Trip and Graphic Design teams and the Business Outreach Section to External Affairs as directed by the General Manager.

The Inspection Trip Team was assigned with Customer Service Unit under the newly formed Member Service and Public Outreach Section.

Other

The budget reflects reductions in funding for rents and leases, which will be managed by Real Property; and advertising, which reflects the Board-approved coordination with WRM. These changes have been carefully evaluated to ensure External Affairs will be able to successfully carry out its core mission and objectives in these areas effectively and efficiently.

The budget reflects increases consistent with Board and General Manager initiatives and priorities for website and electronic media

enhancements, community outreach efforts, and innovation and research-related professional and non-professional services. The budget redirects existing advertising funding for new research and related activities that provide accurate and timely information on public opinions, consumer and customer attitudes and awareness to help inform future outreach activities with member agencies, stakeholders and the public.

FY 2019/20

Personnel–related issues

Total Personnel count remains flat with the FY 2018/19 budget. Salaries and Benefits reflect negotiated labor increases.

Other

The budget reflects a decrease across materials and supplies, professional and non-professional services based on completion of the initial stages of the website and electronic media enhancement projects.

Operating Equipment – FY 2018/19 and FY 2019/20

The budget reflects replacement vehicles for Director- and GM-sponsored inspection trips and Metropolitan special events and activities.

GENERAL COUNSEL DEPARTMENT

The Legal Department provides a full range of legal services in a professional, timely, cost–effective, and creative manner.

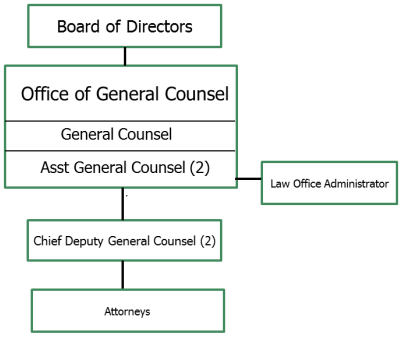
PROGRAMS

The General Counsel is the chief legal spokesperson for Metropolitan and the Board of Directors and oversees the Legal Department's administrative functions.

The General Counsel represents Metropolitan in litigation and other proceedings to which Metropolitan is a party; provides legal advice to the Board, its committees, and to Metropolitan's staff; drafts, reviews, and negotiates contracts, documents, and other agreements; consults with representatives of other public and private entities on matters of mutual concern; and monitors and analyzes pending and enacted legislations and, when appropriate, drafts legislative recommendations.

The Office of the General Counsel provides legal services to the Board, its committees, and to Metropolitan staff in the following areas:

- Represents Metropolitan interests relating to water supply matters, including Bay Delta resources, Colorado River supply, the State Water Contract, groundwater and water transfer issues, California Environmental Quality Act and Endangered Species Act issues, energy issues, and water delivery and treatment.
- Represents Metropolitan's interest with regard to claims and litigation by or against Metropolitan.
- Provides legal advice with respect to the acquisition, management, and disposal of Metropolitan property and the administration of annexations, and provides legal assistance in Metropolitan's procurement and construction contract programs.
- Provides legal advice with respect to Metropolitan's financial activities, including Metropolitan's rates and charges, taxation, bond issuance, legality of investments, and fiscal administration.
- Provides legal advice related to labor and personnel matters.
- Reviews, analyzes, and monitors pending state and federal legislation and drafts legislative recommendations.



GOALS AND OBJECTIVES

In FY 2017/18 and FY 2018/19, the Office of the General Counsel will focus on the following key issues:

Water Supply Reliability

Pursue a comprehensive legal strategy that proactively addresses legal issues associated with the comprehensive solutions in the proposed California WaterFix while vigorously asserting and defending Metropolitan's interest in litigation and administrative proceedings.

Provide legal advice in support of the development and implementation of the California WaterFix and the California EcoRestore, including the associated environmental documentation and implementing agreements in a manner supportive of Metropolitan's goals and objectives.

Provide legal advice regarding implementation, financing, and governance of the California WaterFix including agreements with the Department of Water Resources and others.

Represent Metropolitan, as a separate party or working through the State Water Contractors, in litigation and regulatory proceedings relating to operation of the State Water Project (SWP), water diversions in and affecting the Delta or SWP supplies, construction of new conveyance facilities, and other matters relating to the Delta.

Provide legal advice and support relative to water supply, delivery and water quality issues resulting from the drought and the reduced allocation from the SWP.

Provide legal advice and support for initiatives to address the proclaimed emergency due to drought conditions. Provide legal advice and support for proposed water transfers and exchanges and development of local resources, desalination and conservation projects and programs. Provide legal advice and support with respect to implementation of Metropolitan's Water Supply Allocation Plan, water delivery and other issues related to drought conditions. Provide legal support for capital projects required to provide additional flexibility in the operation of Metropolitan's distribution system.

Provide legal advice and support for update and implementation of Metropolitan's Integrated Water Resources Plan Update and Urban Water Management Plan, including development of the Long–Term Conservation Plan and resource programs to assist the region in meeting the goal of reducing retail water consumption by 20 percent by the year 2020.

Provide legal advice and support in connection with the proposed extension and amendment of the State Water Contract (SWC) and preparation of supporting environmental documents under the California Environmental Quality Act (CEQA) and any separate amendment of the SWC relating to the development and operation of new or additional conveyance facilities.

Continue to defend and enforce the terms of the Quantification Settlement Agreement and related agreements among the participating agencies and other agencies with Colorado River contracts.

Assist in developing, negotiating and documenting new water conservation and augmentation projects to address the long–term supply and demand issues identified in the Bureau of Reclamation's 2012 Colorado River Basin Water Supply and Demand Study.

Provide legal support for Metropolitan's efforts to protect and make optimal use of its Colorado River rights and related water transfer, storage, and exchange programs. Provide legal support for initiatives to identify and obtain new water supplies on the Colorado River, and to protect existing Colorado River water supplies against erosion by unlawful or unreasonable uses.

Finance

Provide legal advice regarding adoption of rates and charges. Continue to defend Metropolitan against challenges to its rate structure.

Provide legal advice and assist with amendments to existing bond resolutions and the development of a subordinate lien bond resolution.

Operations

Negotiate and prepare service connection agreements for new or modified member agency connections. Provide legal assistance on regulatory and real estate issues, including CEQA issues, arising from service connection requests.

District Governance

Continue to provide timely advice to the board and committees on governance and legal compliance matters.

Serve as the point of contact and coordinate Metropolitan responses to Public Records Act requests (PRAs).

Corporate Resources/District Infrastructure

Provide legal support for capital investment and repair and replacement plans, including professional services and procurement contracts.

Provide legal support for environmental analysis under CEQA of Metropolitan's projects and other discretionary actions, in addition to analyzing potential environmental impacts of other agencies' projects on Metropolitan properties and facilities.

Workforce /Human Resources

Provide proactive counsel and advice on workforce issues.

Continue to defend Metropolitan in PERB matters, as well as grievance and disciplinary matters.

Real Property

Assist Real Property group in the negotiation and documentation of real property acquisitions and the surplusing of real property. Negotiate and provide legal support for the lease and licensing of Metropolitan property. Provide legal support for the grant and acceptance of easements and entry permits.

Support the expanded work efforts of .

Technology

Collaborate on Information Governance Policies with Business Technology Group, External Affairs, and Human Resources.

Energy Costs and Management

Assist with implementation of the Energy Management Plan, including providing advice on wholesale energy transactions, renewable energy projects and energy–related contracts and legislation.

Provide legal support to ensure that SWP energy needs are met in a cost–effective and sustainable manner.

Legal Department Administration

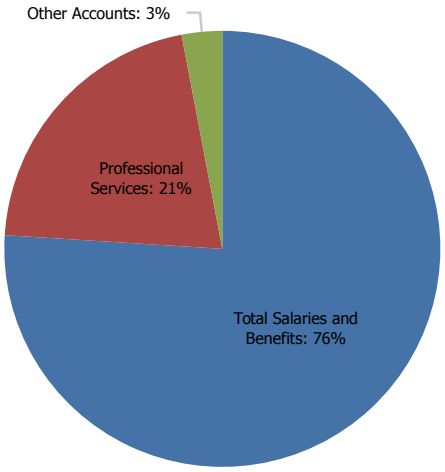
Continue to aggressively manage outside counsel costs, while obtaining effective representation to protect Metropolitan's interests. Provide on-going training opportunities and develop and implement succession planning.

O&M FINANCIAL SUMMARY

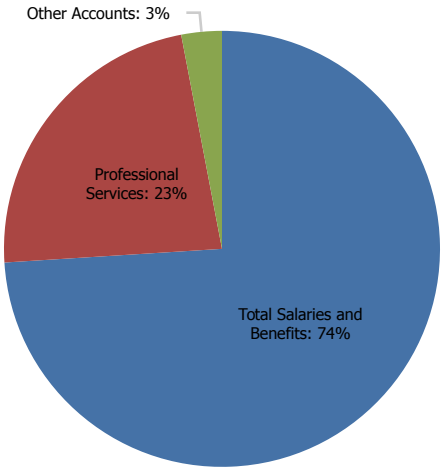
	2016/17 Actual	2017/18 Budget	2018/19 Proposed	Change from 2017/18	2019/20 Proposed	Change from 2018/19
Total Salaries and Benefits	9,790,900	9,744,000	10,767,000	1,023,000	11,308,300	541,300
Direct Charges to Capital	—	—	—	—	—	—
Total Salaries and Benefits	**9,790,900**	**9,744,000**	**10,767,000**	**1,023,000**	**11,308,300**	**541,300**
% Change		(0.5%)		10.5%		5.0%
Professional Services	821,300	3,625,000	3,010,000	(615,000)	3,460,000	450,000
Materials & Supplies	56,300	50,000	55,000	5,000	55,000	—
Memberships & Subscriptions	103,100	100,000	110,000	10,000	110,000	—
Outside Services - Non Professional / Mainte	29,300	30,000	35,000	5,000	35,000	—
Subsidies & Incentives	48,800	55,000	55,000	—	55,000	—
Travel Expenses	97,000	120,000	120,000	—	120,000	—
Other Accounts	47,500	53,000	59,000	6,000	59,000	—
Total O&M	**10,994,200**	**13,777,000**	**14,211,000**	**434,000**	**15,202,300**	**991,300**
% Change		25.3%		3.2%		7.0%

Note – Totals may not foot due to rounding.

FY 2018/19 BUDGET BY EXPENDITURE



FY 2019/20 BUDGET BY EXPENDITURE



PERSONNEL SUMMARY

		2016/17 Actual	2017/18 Budget	2018/19 Proposed	Change from 2017/18	2019/20 Proposed	Change from 2018/19
Regular	**Total**	**34**	**36**	**36**	**—**	**36**	**—**
	O&M	34	36	36	—	36	—
	Capital	—	—	—	—	—	—
Temporary	**Total**	**2**	**2**	**2**	**—**	**2**	**—**
	O&M	2	2	2	—	2	—
	Capital	—	—	—	—	—	—
Total Personnel	**Total**	**36**	**38**	**38**	**—**	**38**	**—**
	O&M	36	38	38	—	38	—
	Capital	—	—	—	—	—	—

Note – Totals may not foot due to rounding.

BUDGET HIGHLIGHTS

The Office of the General Counsel's Biennial Budget is $14.2 million in FY 2018/19 and $15.2 million in FY 2019/20 or an increase of 3.2% and 7.0% respectively from the prior budget years. The increase is primarily due to the following factors:

- Professional services costs increase reflects anticipated expenses for Bay Delta legal costs, water quality litigation, employment litigation and water rates litigation.
- Salaries and Benefits costs reflect negotiated labor increases and merit increases for qualified employees.

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GENERAL AUDITOR DEPARTMENT

The Audit Department provides independent, professional, and objective assurance and consulting services designed to add value to and improve Metropolitan's operations.

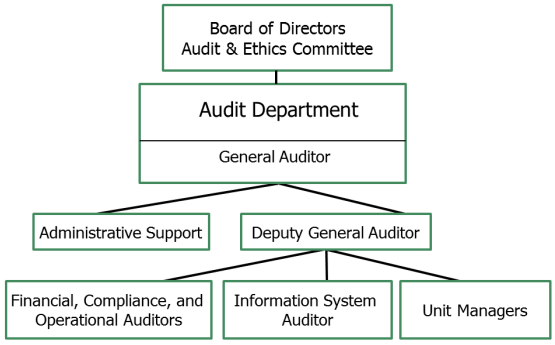
PROGRAMS

The Audit Department helps the organization accomplish its objectives by using a proactive, systematic approach to evaluate and improve the effectiveness of risk management, control, and governance processes.

The scope of work of the Audit Department is to determine whether Metropolitan's network of risk management, internal control, and governance processes, as designed and represented by management, is adequate and functioning in a manner to ensure:

- Risks are appropriately identified, managed, and monitored
- Significant financial, managerial, and operating information is accurate, reliable, and timely
- Employees' actions are in compliance with policies, standards, procedures, and applicable laws and regulations.
- Resources are acquired economically, used efficiently, and protected adequately
- Programs, plans, and objectives are achieved
- Quality and continuous improvement are fostered in the organization's control processes
- Significant legislative or regulatory issues impacting the organization are recognized and addressed appropriately

Opportunities for strengthening internal controls, improving efficiency, and protecting the organization's image may be identified during audits. They will be communicated to the appropriate level of management.



GOALS AND OBJECTIVES

In FY 2018/2019 and FY 2019/20, the Audit Department will focus on the following key issues:

Risk Analysis, Risk Mitigation and Internal Controls

Provide risk perspective and auditing advice and counsel to the Board and management in operational and financial activities.

Publish risk–focused audit reports designed to clearly communicate the General Auditor's opinion regarding the internal control structure, significant control issues, and recommendations to mitigate noted risk.

Improve the completion time for audits and evaluate the adequacy and timeliness of management's responses to, and corrective actions taken on, all significant control issues noted in audit reports.

Emphasize test work of significant projects.

Workforce Development

Encourage training opportunities for Audit Department staff to enhance competencies in risk assessment and broaden knowledge of Metropolitan operations. Utilize this knowledge in fine–tuning the Annual Audit Risk Assessment and Audit Plan.

Management and Leadership

Efficiently manage the department's budget for maximum effectiveness of state budgetary objectives.

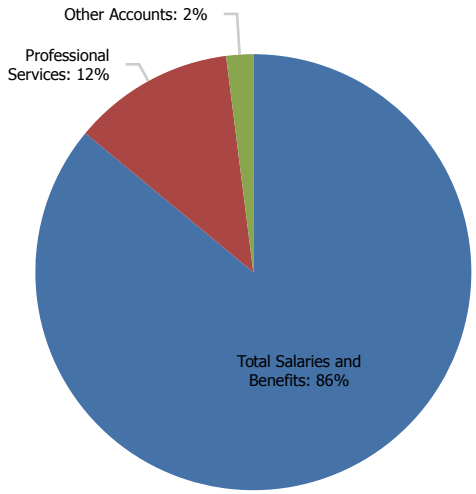
Uphold the mission, roles, and responsibilities of the Audit Department.

O&M FINANCIAL SUMMARY

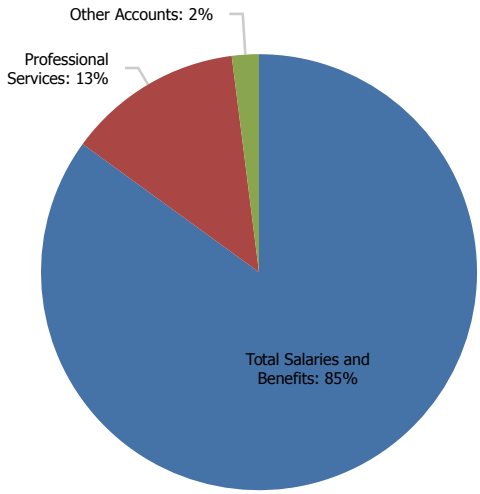
	2016/17 Actual	2017/18 Budget	2018/19 Proposed	Change from 2017/18	2019/20 Proposed	Change from 2018/19
Total Salaries and Benefits	2,434,900	2,721,300	3,100,300	379,000	3,283,500	183,200
Direct Charges to Capital	—	—	—	—	—	—
Total Salaries and Benefits	**2,434,900**	**2,721,300**	**3,100,300**	**379,000**	**3,283,500**	**183,200**
% Change		11.8%		13.9%		5.9%
Professional Services	380,100	350,000	450,000	100,000	500,000	50,000
Materials & Supplies	13,400	15,000	16,000	1,000	16,000	—
Memberships & Subscriptions	4,600	5,500	5,500	—	5,500	—
Rent & Leases	3,700	5,500	4,500	(1,000)	4,500	—
Subsidies & Incentives	16,600	15,000	15,000	—	15,000	—
Training & Seminars Costs	3,500	15,000	16,000	1,000	17,000	1,000
Travel Expenses	3,000	5,000	5,000	—	5,000	—
Other Accounts	1,400	8,500	8,500	0	8,500	—
Total O&M	**2,861,200**	**3,140,800**	**3,620,800**	**480,000**	**3,855,000**	**234,200**
% Change		9.8%		15.3%		6.5%

Note – Totals may not foot due to rounding.

FY 2018/19 BUDGET BY EXPENDITURE



FY 2019/20 BUDGET BY EXPENDITURE



PERSONNEL SUMMARY

		2016/17 Actual	2017/18 Budget	2018/19 Proposed	Change from 2017/18	2019/20 Proposed	Change from 2018/19
Regular	**Total**	**10**	**12**	**12**	**—**	**12**	**—**
	O&M	10	12	12	—	12	—
	Capital	—	—	—	—	—	—
Temporary	**Total**	**—**	**—**	**—**	**—**	**—**	**—**
	O&M	—	—	—	—	—	—
	Capital	—	—	—	—	—	—
Total Personnel	**Total**	**10**	**12**	**12**	**—**	**12**	**—**
	O&M	10	12	12	—	12	—
	Capital	—	—	—	—	—	—

Note – Totals may not foot due to rounding.

BUDGET HIGHLIGHTS

The Audit Department's Biennial Budget is $3.6 million in FY 2018/19 and $3.9 million in FY 2019/20 or an increase of 15.3% and 6.5% respectively from the prior budget years.

- Salaries and Benefits costs reflect negotiated labor increases and merit increases for qualified employees.
- Professional Services reflects a recently negotiated agreement with external auditors.

ETHICS OFFICE

The Ethics Office promotes an ethical culture at Metropolitan by administering and advising Metropolitan's ethics policies and reviewing potential ethics violations.

PROGRAMS

Metropolitan's Ethics Office was established by special legislation enacted in 2000. In doing so, it was with a conviction that a strong ethical culture is the foundation of good governance. Moreover, it was based on the belief that an ethical culture is created through a robust ethics program that sets clear expectations for conducting business within the organization and with external parties.

An ethical culture is based on the following: effective board oversight, strong tone-at-the-top, senior management involvement, organization-wide commitment, a customized code of conduct, ethics training, communications, and ongoing monitoring system.

It also involves the administration of financial disclosure reports, an anonymous incident reporting system, timely investigation of reported incidents, publication of summary investigation findings, and, where appropriate, referrals to Department managers for consistent disciplinary action.

These processes promote transparency and accountability, allowing the public insight into how the district conducts its business and holding district officials accountable for meeting internal and state ethics standards. The Ethics Office Accomplishes its mission through the following programs and services, each of which is critical to achieving the ultimate goal of internal ethics and compliance - maintaining an ethics-centered culture.

Ethics Compliance

The Ethics Office services as the filing officer for state-mandated financial interest disclosure reports for directors and employees. These filings are required for individuals who make or participate in making decisions in their official capacity that could affect their personal financial interests. To date, all Directors and over 600 employees have been identified as mandatory filers.

The Ethics Office also maintains and updates Metropolitan's conflict of interest code, designating employee reporting positions and disclosure categories. These requirements are tailored to the unique responsibilities of each designated position and are reviewed on a periodic basis for compliance with evolving standards.

Advice and Education

The Ethics Office advises employees, directors, and contractors on Metropolitan's ethic policies and standards. These include the areas of conflicts of interest and proper use of authority. Advice and education are provided through consultations, training programs, and reference materials. The Ethics Office addresses requests for advice and training and recommends consultations where appropriate.

The Ethics Office also facilitates state-mandated AB1234 and sexual harassment training for directors and provides orientations for new directors and employees about Metropolitan's internal ethic provisions.

Policy Analysis and Program Development

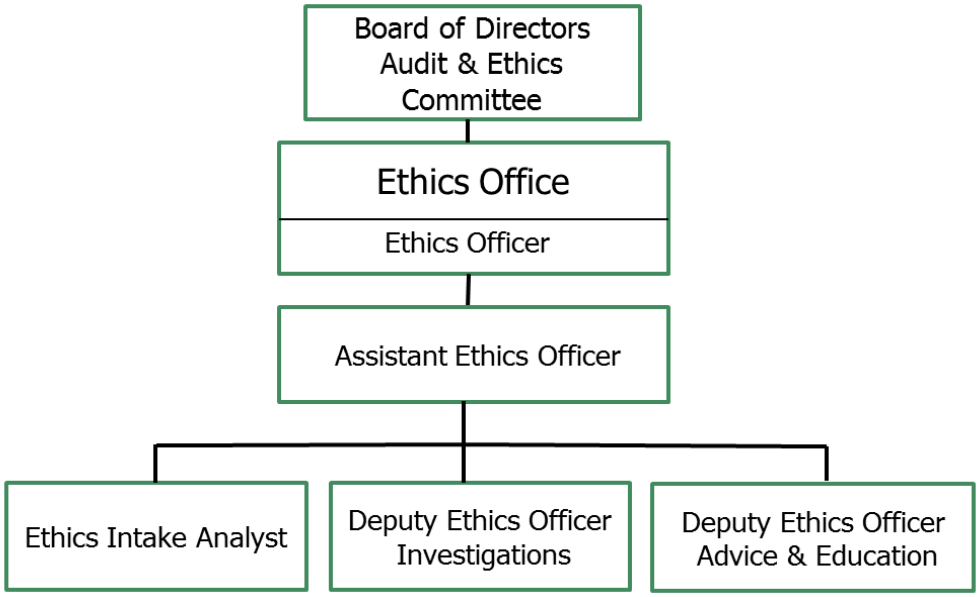
The Ethics Office proposes ethic rules and modifications to existing rules, performs risk assessment, and analyzes investigation procedure to maintain best practices in the field.

Investigation

Investigations are undertaken both to promote accountability and to identify systematic changes needed in order to avoid further missteps. Performing comprehensive investigations, including investigation planning,

gathering of evidence, document review, witness interviews, comparative analysis of facts, drafting of reports, and organization and indexing of evidence.

The Ethics Officer reviews the investigation findings, determines whether ethics violations occurred, and makes recommendations to executive management.



GOALS AND OBJECTIVES

In FY 2018/19 and FY 2019/20, the Ethics Office will focus on the following key issues and initiatives:

Ethics Consultation

Provide ethics risk perspective and advisory services to directors, officers, and employees needing input on ethics related issues.
In specific requests for assistance, provide thorough analysis and prompt responses.
Continue to review board agendas and prepare memorandum for directors to help identify potential sources of conflicts of interest in matters coming before them. Review conflict of interest disclosures from potential contractors for the professional services contracting unit and make recommendations for resolving potential conflicts
Perform outreach to Group Managers to proactively engage in the program and project process to help maintain ethics-centered decision-making.

Policy Development

Continue to assess the scope and content of Metropolitan's ethics policies and provisions. Develop new ideas for improvements and work to achieve consensus among stakeholders.

Follow developments in legislation and Fair Political Practices Commission proceedings to identify emerging issues that may affect the Metropolitan community.

Ethics Office performs objective and comprehensive investigations of ethics complaints, which entails investigation planning, gathering evidence, document review, witness interviews, comparative analysis of facts, drafting of reports, and organization and indexing of evidence.

The Ethics Officer reviews the investigation findings, determines whether ethics violations occurred, and makes recommendations to executive management.

Investigations

Evaluate opportunities to streamline the investigation process. These efforts include establishing reasonable guidelines to ensure that inquiries proceed in an efficient and responsible manner. Improve the effectiveness and timeliness of communication to interested parties on the progress of investigations. Define accountability standards for investigations that address the need to discontinue or close inquires when substantiating evidence cannot be obtained within a reasonable time period. Survey best practices in the field and recommend improvements to Investigation Guidelines.

Education and Outreach

Design accessible and understandable ethics education programs focused on needs of different work groups. Increase number of in-person presentations.

Update employee orientation materials, website content, and online training program and create new fact sheets and pamphlets on the most common ethics topics facing Metropolitan.

Workforce Development

Encourage training opportunities for Ethics Department staff to enhance competencies in governmental ethics and to broaden knowledge of Metropolitan operations. Utilize this knowledge in fine-tuning Ethics consultation, policy development and outreach efforts.

Management and Leadership

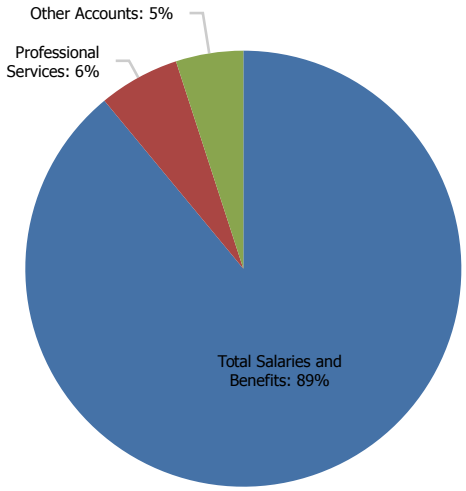
Efficiently manage the Ethics Office's budget for maximum effectiveness. Uphold the missions, roles, and responsibilities of the Ethics Office.

O&M FINANCIAL SUMMARY

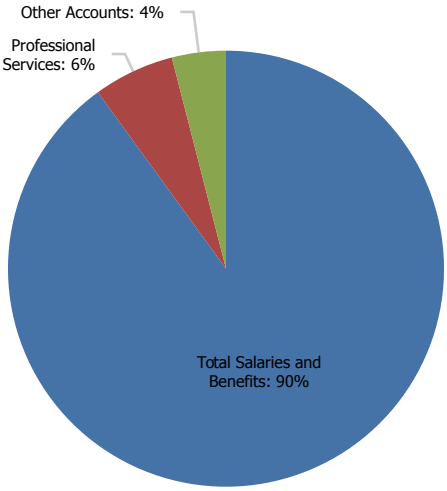
	2016/17 Actual	2017/18 Budget	2018/19 Proposed	Change from 2017/18	2019/20 Proposed	Change from 2018/19
Total Salaries and Benefits	1,167,700	1,227,900	1,247,300	19,400	1,299,700	52,400
Direct Charges to Capital	—	—	—	—	—	—
Total Salaries and Benefits	**1,167,700**	**1,227,900**	**1,247,300**	**19,400**	**1,299,700**	**52,400**
% Change		5.2%		1.6%		4.2%
Professional Services	47,400	85,000	85,000	—	85,000	—
Memberships & Subscriptions	13,400	15,000	15,000	—	15,000	—
Outside Services - Non Professional / Mainte	—	15,000	16,700	1,700	16,700	—
Rent & Leases	2,700	3,500	3,500	—	3,500	—
Subsidies & Incentives	10,000	13,000	13,000	—	13,000	—
Training & Seminars Costs	2,600	6,000	6,000	—	6,000	—
Travel Expenses	4,700	6,000	6,000	—	6,000	—
Other Accounts	16,900	4,600	3,500	(1,100)	3,500	—
Total O&M	**1,265,400**	**1,376,000**	**1,396,000**	**20,000**	**1,448,400**	**52,400**
% Change		8.7%		1.5%		3.8%

Note – Totals may not foot due to rounding.

FY 2018/19 BUDGET BY EXPENDITURE



FY 2019/20 BUDGET BY EXPENDITURE



PERSONNEL SUMMARY

		2016/17 Actual	2017/18 Budget	2018/19 Proposed	Change from 2017/18	2019/20 Proposed	Change from 2018/19
Regular	**Total**	**4**	**5**	**5**	**0**	**5**	**—**
	O&M	4	5	5	0	5	—
	Capital	**—**	**—**	**—**	**—**	**—**	**—**
Temporary	**Total**	**1**	**—**	**—**	**—**	**—**	**—**
	O&M	1	—	—	—	—	—
	Capital	—	—	—	—	—	—
Total Personnel	**Total**	**5**	**5**	**5**	**0**	**5**	**—**
	O&M	5	5	5	0	5	—
	Capital	**—**	**—**	**—**	**—**	**—**	**—**

Note – Totals may not foot due to rounding.

BUDGET HIGHLIGHTS

The Ethics Office's Biennial Budget is $1.4 million in FY 2018/19 and $1.4 million in FY 2019/20 or an increase of 1.5% and 3.8% respectively from the prior budget years. The increase is due primarily to the following:

- Salaries and Benefits reflect negotiated labor increases and merit increases for qualified employees.
- Professional Services and non-labor budgets remain flat over the biennium.

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OPERATING EQUIPMENT SUMMARY

Classification	2018/19 Quantity	2018/19 Amount	2019/20 Quantity	2019/20 Amount
Aircraft	0	0	1	2,700,000
Audio Visual	0	0	19	130,772
Automobiles	3	98,112	4	129,199
Boats	0	0	1	39,330
Communication Equipment	4	393,300	0	0
Construction/Shop/Maint Equip	27	509,914	7	803,761
CPU's, Laptops & Servers	26	790,680	23	542,973
Heavy Equipment	12	2,271,732	7	855,013
Lab Equipment	13	601,203	3	358,551
Monitoring Equipment	28	767,084	0	0
Office Equipment	3	33,167	0	0
Other Equipment	11	468,573	2	479,967
Printers	5	186,455	0	0
Trucks	53	2,401,857	19	915,850
Grand Total	**185**	**8,522,076**	**86**	**6,955,417**

Note – Totals may not foot due to rounding.

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STATE WATER PROJECT

OVERVIEW

The State Water Project (SWP), which is managed and operated by the Department of Water Resources (DWR), is the largest state–built, multipurpose, user–financed water project in the country. It was designed and built primarily to deliver water, but also provides flood control, generates power for pumping, is used for recreation, and enhances habitat for fish and wildlife. The SWP provides irrigation water to 750,000 acres of farmland, mostly in the San Joaquin Valley, and provides municipal and industrial water to approximately 25 million of California's estimated 39.2 million residents.

The SWP consists of a complex system of dams, reservoirs, power plants, pumping plants, canals and aqueducts to deliver water. Water from rainfall and snowmelt runoff is captured and stored in SWP conservation facilities and then delivered through SWP transportation facilities to water agencies and districts located throughout the Upper Feather River, Bay Area, Central Valley, Central Coast, and Southern California. Metropolitan receives water from the SWP through the California Aqueduct, which is 444 miles long. The budgeted costs for the SWP are as follows:

SWP Cost Summary, $ millions[1]

	2017/18 Budget	2018/19 Budget	Change from 2017/18	2019/20 Budget	Change from 2018/19
Delta Water Charge: Capital	$39.4	$38.1	($1.3)	$38.7	$0.6
Delta Water Charge: OMP&R	105.3	91.6	(13.7)	96.2	4.6
Transportation Capital	139.8	130.9	(8.9)	125.3	(5.6)
Transportation OMP&R	184.0	175.3	(8.7)	195.4	20.1
Power, Variable	162.8	163.7	0.9	172.4	8.7
Power, OAPF	5.8	3.6	(2.2)	2.4	(1.2)
Credits	(37.9)	(40.2)	(2.3)	(41.0)	(0.8)
CA WaterFix	—	$3.6	$3.6	$13.0	$9.5
SWP Total[1]	**$599.2**	**$566.7**	**($32.6)**	**$602.5**	**$35.9**
SWC Dues	$4.4	$4.7	$0.3	$4.7	$0.1
Acre–feet delivered	767,675	907,920	140,245	906,675	(1,245)

[1] Does not include Departmental costs reflected elsewhere in this Budget.

Annually, the DWR reviews and redetermines the water supply and financial aspects of the SWP as required by the SWC. This results in the annual Statement of Charges to the Contractors for each calendar year. The information that supports the Statement of Charges is published by the DWR as Appendix B to the appropriate Bulletin 132 (i.e., the Statement of Charges for Calendar Year 2018 is supported by Appendix B to Bulletin 132-17). DWR does not charge rates for water service. It does not develop a revenue requirement and then develop rates based on projected billing determinants for a calendar year. Rather, DWR apportions its costs to the Contractors based on their proportionate share of estimated supply costs (Delta Water Charge) and transportation costs (Transportation Charge).

Metropolitan's budgeted SWP costs are based on the 2018 Statement of Charges and supporting Appendix B. Power costs are estimated by Metropolitan assuming a 50 percent allocation and use of the Central Valley storage programs.

STATE WATER CONTRACT

All water supply–related capital expenditures and operations, maintenance, power and replacement (OMP&R) costs associated with the SWP conservation and transportation facilities are paid for by 29 agencies and districts, known collectively as the State Water Contractors (Contractors). Through Calendar Year 2016, Metropolitan has paid about 60 percent of the total payments to DWR by all Contractors. Metropolitan's financial records show that total accumulated amounts paid under the SWC are $12.2 billion through fiscal year 2016/17. Metropolitan's SWC expires on December 31, 2035.

The Contractors have long–term contracts with DWR for the delivery of SWP water and use of the SWP transportation facilities. Metropolitan signed the first State Water Contract (SWC) on November 4, 1960, and received its first delivery of SWP water in 1972. Metropolitan has a contractual right to a proportionate share of the project water that DWR determines is available for allocation to the Contractors. This determination is made each year based on existing supplies in storage, forecasted hydrology, and other factors. Available project water is then allocated to the Contractors in proportion to the amounts set forth in Table A of their SWCs (Table A Allocation). Under its SWC, Metropolitan is entitled to roughly 46% of the annual Table A Allocation.

Since inception, the SWC provided Contractors the ability to use the SWP to convey non–SWP water under certain circumstances. Specifically, Article 18(c)(2) of the original SWC addresses situations where there is a shortage in the supply of water made available under the contract and states "[T]he District, at its option, shall have the right to use any of the project transportation facilities which by reason of such permanent shortage in the supply of project water to be made available to the District are not required for delivery of project water to the District, to transport water procured by it from any other source: [p]rovided, [t]hat such use shall be within the limits of the capacities provided in the project transportation facilities for service to the District under this contract ….". However, Article 18(c)(2) only applied in the event a permanent shortage was declared by DWR and it was unclear on how costs would be charged for using SWP facilities to transport nonproject water. In 1994, the Contractors and DWR negotiated the Monterey Amendment to the SWC, including Article 55, which made explicit that the Contractors' rights to use the portion of the SWP conveyance system necessary to deliver water to them (their "reaches") also includes the right to convey non–SWP water at no additional cost as long as capacity exists. Power for the conveyance of non–SWP water is charged at the SWP melded power rate. The Monterey Amendments also expanded the ability to carryover SWP water in SWP storage facilities, allowed Contractors to store water in groundwater storage facilities outside a Contractor's service area for later use, and permitted certain Contractors to borrow water from terminal reservoirs. These amendments, approved by Metropolitan's Board in 1995, offered the means for individual Contractors to increase supply reliability through water transfers and storage outside their service areas.

The SWC is predominantly a 'take–or–pay' agreement, with Contractors paying most water conservation and transportation costs regardless of the amount of water delivered. The charges to the Contractors include a SWP supply charge (Delta Water Charge) and a SWP transportation charge (Transportation Charge). The Delta Water Charge recovers both Capital and OMP&R costs for those facilities that conserve and create the actual

water supply of the SWP. The Delta Water Charge is based on Contractors' cumulative Table A Allocations, and is paid regardless of whether Contractors receive any Table A Allocations in a given year.

The Transportation Charge recovers the costs associated with the various aqueduct reaches that deliver project water to the Contractors. The Capital and fixed OMPR portions of the SWP Transportation Charge recover costs from the Contractors based on their proportionate use of facilities. Unlike the Delta Water Charge, which is uniform for a unit of Table A water, the allocation of these portions of the Transportation Charge will vary based on the aqueduct segments needed to deliver water to a specific Contractor. The further a Contractor is from the Delta and the greater its capacity in the transportation facilities, the greater its allocation of the Capital and fixed OMPR Transportation Charges. The capacity of the SWP to deliver water decreases with distance from the Banks Pumping Plant, located in the Sacramento–San Joaquin Delta, as water is delivered to Contractors through the South Bay Aqueduct and the Coastal Branch Aqueduct, and to turnouts in the San Joaquin Valley and Southern California. Payment of the Transportation Charge entitles Contractors to the right to use their capacity in the SWP facilities for transportation of SWP or non–SWP water, on a space available basis, under the SWC. A Contractor that participates in the repayment of a particular reach, or segment of the SWP, has already paid the costs of using that reach for the conveyance of water supplies through the Transportation Charge. On average, Metropolitan pays about 63 percent of SWP transportation costs.

In addition to the charges for water supply and transportation facilities discussed above, DWR also charges for the power needed to deliver project water throughout the system. Two charges recover these power costs: the variable OPMR portion of the Transportation Charge (Variable Charge) and the Off Aqueduct Power Facilities (OAPF) charge. Because the SWC are cost recovery contracts, DWR invoices Contractors on an estimated basis for any calendar year, and then provides credits in later years once cost true–ups are finished.

The Variable Charge includes the annually estimated cost of purchased power including capacity and energy, cost of SWP power generation facilities, program costs to offset annual fish losses at the Banks Pumping Plant, purchased transmission services, and credits for sales of ancillary services and excess SWP system power sales. The Variable Charge is calculated on the basis of the energy required to pump an acre–foot of water to its take–out point multiplied by the system energy rate, less energy from the recovery generation plants. The system energy rate is a system–wide average rate calculated as the net cost of energy––total costs less revenues–– divided by the net energy required to pump all water. That rate is applied to each acre–foot of water delivered to SWP customer based on the power required to pump the water to designated delivery points on the system. DWR can adjust the system energy rate as the calendar year progresses in order to reflect actual costs

The OAPF charge recovers the debt service and environmental remediation costs of power generation facilities not on the aqueduct, namely Reid Gardner Unit 4 and debt service associated with the South Geysers and Bottle Rock geothermal plants. The OAPF rate is calculated as the total annual estimated costs divided by the total energy required to pump all water. Recovery energy is not considered in this calculation. Each contractor's charge is the OAPF rate times the energy required to pump the contractor's water order.

The SWP uses low–cost hydroelectric and recovery generation resources, but they only provide about 50 percent of the SWP energy needs in an average water year. The SWP relies on the wholesale market and contractual resources with exposure to market price volatility for as much as 30 to 35 percent of its needs, using other contractual resources to fill in the difference.

The SWP energy required to move water to Metropolitan is related to the transportation on the East Branch through Devil Canyon and on the West Branch through Castaic. Because Metropolitan moves the largest amount of water on the SWP and Metropolitan's delivery points on the East and West Branch are at or near the southern extreme of the SWP, Metropolitan pays approximately 70 percent of the SWP power costs.

Cost of SWP Power for Metropolitan Terminal Delivery Points, $ per Acre–Foot

	CY 2013 DWR	CY 2014 DWR	CY 2015 DWR	CY 2016 DWR	CY 2017 Revised	CY 2018 Estimated	CY 2019 Estimated
East Branch	$230.27	$280.07	$241.17	$186.21	$158.55	$168.05	$179.64
West Branch	$215.61	$270.03	$226.58	175.85	$168.75	$179.55	$191.50

The SWP energy costs are impacted by the energy policies of the state of California. The SWP is acquiring renewable resources, primarily solar to date, to meet its obligation to reduce greenhouse gas emissions. The SWP energy costs are also impacted by the increasing cost of using the California Independent System Operator's (CAISO) grid to deliver power from its generating sources and the wholesale power market to its pumping loads. The SWP does not own high voltage transmission facilities and must use the CAISO grid to move power; the SWP is the largest payer of the CAISO transmission access rates. Finally, the SWP has an obligation to acquire and surrender emissions allowances for the generating facilities the SWP owns, primarily the Lodi Energy Center.

In total, through Calendar Year 2016, Metropolitan has paid about 60 percent of the total payments to DWR by all State Water Contractors.

BUDGET HIGHLIGHTS

The budget for the SWP is decreasing in FY 2018/19 compared to the FY 2017/18 budget due to efforts by DWR to better forecast expenditures for fish restoration and mitigation, and Delta Compliance program costs as well as capital improvements. Power costs are projected to be slightly higher due to higher water deliveries. FY 2019/20 projects an increase in O&M related costs, while Transportation Capital costs continue on a downward trend. The costs of the California WaterFix are incorporated in the Biennial Budget, and contribute to the increase in SWP costs in FY 2019/20.

COLORADO RIVER AQUEDUCT

OVERVIEW

Metropolitan was established to obtain an allotment of Colorado River water, and its first mission was to construct and operate the Colorado River Aqueduct (CRA). The CRA consists of 5 pumping plants, 450 miles of high voltage power lines, 1 electric switching station, 4 regulating reservoirs, and 242 miles of aqueducts, siphons, canals, conduits and pipelines terminating at Lake Mathews in Riverside County. Metropolitan first delivered CRA water in 1941 to its member agencies.

Metropolitan owns, operates, and manages the Colorado River Aqueduct. Metropolitan is responsible for operating, maintaining, rehabilitating, and repairing the CRA, and is responsible for obtaining and scheduling energy resources adequate to power pumps at the CRA's five pumping stations.

Under its contracts with the federal government, Metropolitan has a fourth priority to 550,000 acre–feet per year of Colorado River water, less certain use by higher priority holders and Indian tribes. Metropolitan also holds a fifth priority for an additional 662,000 acre–feet per year that exceeds California's 4.4 million acre–foot per year basic apportionment, 38,000 acre–feet under the sixth priority during the term of the Colorado River Water Delivery Agreement, and another 180,000 acre–feet per year when surplus flows are available. Metropolitan can obtain water under the fourth, fifth, and sixth priorities from:

- Water unused by the California holders of priorities 1 through 3;
- Water saved by extraordinary conservation programs, crop rotation, and water supply program; or,
- When the U.S. Secretary of the Interior makes available:
    - Surplus water, Intentionally Created Surplus water, and/or
    - Water apportioned to, but unused by, Arizona and Nevada.

CRA Cost Summary[1], $ millions

	2017/18 Budget	2018/19 Budget	Change from 2017/18	2019/20 Budget	Change from 2018/19
CRA Power	$54.4	$45.8	($8.6)	$52.9	$7.1
CRA Dues[2]	$0.7	$0.7	—	$0.7	—
Acre–feet	1,040,976	837,900	(203,076)	915,550	77,650

[1]Does not include Departmental costs reflected elsewhere in this Budget

[2]Six Agency and Colorado River Authority of California

Budgeted CRA Power costs represent expenditures for the Hoover and Parker contracts and market power purchases to support budgeted CRA water deliveries.

CRA COSTS FOR TRANSPORTATION AND SUPPLY

Metropolitan incurs capital and operations and maintenance expenditures to support the CRA activities. The direct costs of the CRA activities include labor, materials and supplies, outside services to provide repair and maintenance, and professional services. The CRA activities benefit from Water System Operations support services and management supervision, as well as Administrative and General activities of Metropolitan. Metropolitan finances past, current and future capital improvements on the CRA, and capitalizes those improvements as assets. The costs of Metropolitan's capital financing activities are apportioned to service functions, such as the CRA.

The costs of the CRA supply portfolio developed by Metropolitan are paid by Metropolitan. The CRA supply portfolio is supported by Water Resource Management labor, materials and supplies. The CRA supply portfolio activities benefit from Water Resource Management support services and management supervision, as well as Administrative and General activities of Metropolitan. Metropolitan finances past, current and future capital improvements associated with the CRA supply portfolio capital assets and has capitalized these investments as Participation Rights.

Accordingly, the CRA costs for transportation and supply are reflected in the Departmental and General District Requirements budgets.

CRA COST FOR POWER

Metropolitan currently has three basic sources of power available to meet CRA energy requirements: Hoover Power, Parker Power, and wholesale purchases from entities in the Western United States. Each source is obtained at different unit prices.

Cost of CRA Power Sources, $ per Megawatt-hour (MWh)

	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017
Hoover[1]	$18.60	$29.74	$15.84	$15.36	$17.86
Parker[1]	$9.33	$12.41	$13.55	$12.58	$15.40
SP15, off–peak[2]	$33.15	$40.24	$33.15	$24.97	$26.48
SP15, on–peak[3]	$45.38	$50.90	$40.68	$30.13	$33.46

[1]Information from Annual Reports for years 2013, 2014, 2015, 2016, and 2017

[2]SP15, off-peak price, described below, is used to determine Metropolitan's off–peak energy costs.

[3]SP15, on–peak, described below, is used to determine the market value of Metropolitan's sales of excess energy, if any. SP15 on–peak is also used to determine the pumping costs associated with pumping non–Metropolitan water through the CRA system, unless otherwise provided by contract.

Under a contract between the United States, Department of Energy, Western Area Power Administration, and Metropolitan, Metropolitan currently has a right to approximately 250 megawatts (MW) of capacity at the Hoover Power Plant, which is about 12 percent of the total generating capacity. Metropolitan has an annual firm energy entitlement of 1,227 megawatt–hours (MWh), which is about 27 percent of the total Boulder Canyon Project (Hoover) firm energy allocations. Hoover Power Plant generation is cost–based. Metropolitan acquired the benefits of the low–cost, federally funded hydroelectric plant in order to cost–effectively deliver Metropolitan's Colorado River water to its member agencies.

Under a contract among the United States, Department of the Interior, Bureau of Reclamation (Reclamation) and Metropolitan, Metropolitan funded the total cost of construction of Parker Dam and incidental facilities, and 50 percent of the construction cost of the Parker Powerplant. By providing the funding contribution, Metropolitan is entitled in perpetuity to 50 percent of the capacity and energy of the four Parker generating units, which is approximately 60 MW of capacity. Parker power is also cost–based. Like Hoover power, Metropolitan acquired the benefits of the low–cost, federally funded hydroelectric plant in order to cost–effectively deliver Metropolitan's Colorado River water to its member agencies.

Metropolitan's current basic resource mix is very cost effective but is not sufficient to pump Metropolitan's Colorado River water supplies in all years. For that reason, Metropolitan is required to purchase supplemental power to transport Colorado River water supplies in some years. As a result, Metropolitan requires that any party seeking to transport non–Metropolitan water through its Colorado River Aqueduct to purchase, or arrange for Metropolitan to purchase, the power supplies required to pump that water. The amount of power required to pump an acre–foot of water through the CRA is 2,000 kilowatt–hours. Any Colorado River water that is pumped through Metropolitan's CRA is diverted above Parker Dam and cannot generate energy for Metropolitan's use at the Parker Powerplant. To compensate for this loss, an additional 32 kilowatt–hours per acre–foot are required to make Metropolitan whole for undertaking to pump non–Metropolitan water through the CRA that would otherwise have flowed through the Parker Powerplant. In total, 2,032 kilowatt–hours (or 2.032 megawatt–hours) of energy must be provided to Metropolitan to convey each acre–foot of non–Metropolitan water supplies through the CRA.

Supplemental power can be purchased and transmitted to Metropolitan to pump non–Metropolitan water through the CRA. The market rate for electric energy prices is regularly tracked and published for various regions in California. Metropolitan uses the California Independent System Operator (CAISO) Open Access Same–time Information System (OASIS) Day–Ahead Locational Marginal Price as reflective of the supplemental power costs for electric energy used for its pumping plants on the CRA. The regional index applicable to energy sold for use on the CRA is designated as "South–of–Path 15", or SP15, and is reflective of Southern California market energy prices.

Any party seeking to pump non–Metropolitan water through the CRA would have to purchase, or arrange for Metropolitan to purchase on its behalf, supplemental power. The market cost for purchases of power for the CRA is reflected in the CAISO OASIS Day–Ahead Locational Marginal Price. Because Metropolitan utilizes the pumping capacity on the CRA for its own water supplies during off–peak hours to minimize its costs, the pumping of non–Metropolitan water would occur during on–peak hours and the on–peak price index published on the CAISO OASIS Day–Ahead Locational Marginal Price is indicative of the price that would be paid to pump non–Metropolitan water.

Metropolitan from time to time sells excess energy into the wholesale market and realizes revenues, which offset the total cost of energy as reflected in the System Power Rate. If Metropolitan were to deliver additional water through the CRA, these sales become a lost opportunity. The on–peak price index published on the CAISO OASIS Day–Ahead Locational Marginal Price is indicative of the price that Metropolitan could realize by selling excess energy.

South–of–Path 15 On–Peak Energy Prices, $/MWh

	CY 2013	CY 2014	CY 2015	CY 2016	CY 2017
January	$46.15	$49.53	$35.70	$30.14	$36.22
February	$46.45	$71.85	$31.88	$24.47	$28.52
March	$51.39	$52.06	$30.73	$19.61	$23.97
April	$56.34	$51.19	$29.03	$18.92	$26.71
May	$51.49	$51.85	$28.11	$23.06	$32.08
June	$47.77	$50.90	$37.01	$33.41	$38.14
July	$51.74	$53.18	$39.27	$39.03	$41.49
August	$45.44	$50.47	$39.02	$38.57	$54.96
September	$48.91	$51.49	$38.00	$35.55	$43.18
October	$42.82	$49.06	$35.55	$35.45	$47.86
November	$44.13	$49.28	$30.22	$30.67	$44.82
December	$52.14	$41.80	$29.83	$36.40	$44.21

MWh = megawatt–hour, or 1,000 kilowatt–hours

Metropolitan has an obligation to acquire and surrender emissions allowances for the fossil-fuel energy generated out-of-state and imported into California through its 230,000 volt transmission system. Alternatively, Metropolitan can purchase power in California, which already incorporates any necessary emissions allowances, but must pay to use the California Independent System Operator transmission network. Metropolitan has contracted with Arizona Electric Power Cooperative (AEPCO) to provide energy management and scheduling services on a per Megawatt-hour basis. AEPCO also provides operational services for Metropolitan's CRA transmission system, assuring compliance with federal reliability requirements. Finally, Metropolitan's CRA power system is within the Balancing Authority Area of the CAISO; Metropolitan incurs Grid Management Charges from the CAISO on a per Megawatt-hour basis, and may realize a Resource Adequacy obligation depending on its pumping load and available firm resources.

BUDGET HIGHLIGHTS

The budget for the CRA power is decreasing in FY 2018/19 and FY 2019/20 compared to FY 2017/18 due to lower diversions at Intake. In FY 2019/20, costs are slightly higher due to the increase in diversions over FY 2018/19 and higher projected wholesale costs.

SUPPLY PROGRAMS

OVERVIEW

Metropolitan's principal sources of water supplies are the State Water Project (SWP) and the Colorado River. Metropolitan receives water delivered from the SWP under State Water Contract (SWC) provisions, including contracted supplies, use of carryover storage in San Luis Reservoir, and surplus supplies. Metropolitan also holds rights to a basic apportionment of Colorado River water and has priority rights to an additional amount from the Colorado River depending on availability of surplus supplies. The Supply Programs supplement these SWP and Colorado River supplies. The budgeted costs for the Supply Programs are as follows:

Supply Programs Cost Summary, $ millions

	2017/18 Budget	2018/19 Budget	Change from 2017/18	2019/20 Budget	Change from 2018/19
PVID Program	$18.0	$12.6	($5.4)	$6.2	($6.4)
IID/MWD Conservation	11.0	9.2	(1.8)	9.5	0.3
Other CRA	23.6	10.8	(12.8)	9.3	(1.5)
In Basin	1.6	1.6	0.0	1.6	0.0
SWP Programs	27.5	27.0	(0.5)	27.8	0.8
Total Supply Programs[1]	**$81.7**	**$61.2**	**($20.5)**	**$54.4**	**($6.8)**

[1] Does not include Departmental costs reflected elsewhere in this Budget.

Budgeted Supply Programs costs represent opportunities and actions associated with a 50 percent SWP allocation and diversions on the CRA of 838 to 916 thousand acre–feet (TAF). On the SWP, Supply Program expenditures support maximizing storage capabilities of the Central Valley storage programs, utilizing transfer and exchange programs recently executed, and bringing the balance into the region. On the CRA, the expenditures support the Palo Verde Irrigation District land fallowing program and the Imperial Irrigation District/Metropolitan Conservation Program, as well as other programs to conserve and develop supplies.

SUPPLY PROGRAMS HAVE BEEN DEVELOPED TO CONVEY ON THE SWP TRANSPORTATION SYSTEM

Since inception, the SWC provided Contractors the ability to use the SWP to convey non–SWP water under certain circumstances. Specifically, Article 18(c)(2) of the original SWC addresses situations where there is a shortage in the supply of water made available under the SWC and states, "[T]he District, at its option, shall have the right to use any of the project transportation facilities which by reason of such permanent shortage in the supply of project water to be made available to the District are not required for delivery of project water to the District, to transport water procured by it from any other source: [p]rovided, [t]hat such use shall be within the limits of the capacities provided in the project transportation facilities for service to the District under this contract ….". However, Article 18(c)(2) only applied in the event a permanent shortage was declared by DWR and it was unclear on how costs would be charged for using SWP facilities to transport nonproject water. In 1994, the Contractors and DWR negotiated the Monterey Amendment to the SWC, including Article 55, which made explicit that the Contractors' rights to use the portion of the SWP conveyance system necessary to deliver water to them (their "Reaches") also includes the right to convey non–SWP water at no additional cost as long as capacity exists. Power for the conveyance of non–SWP water is charged at the SWP melded power rate. The

Monterey Amendment also expanded the ability to carry over SWP water in SWP storage facilities, allowed participating Contractors to borrow water from terminal reservoirs, and allowed Contractors to store water in groundwater storage facilities outside a Contractor's service area for later use.

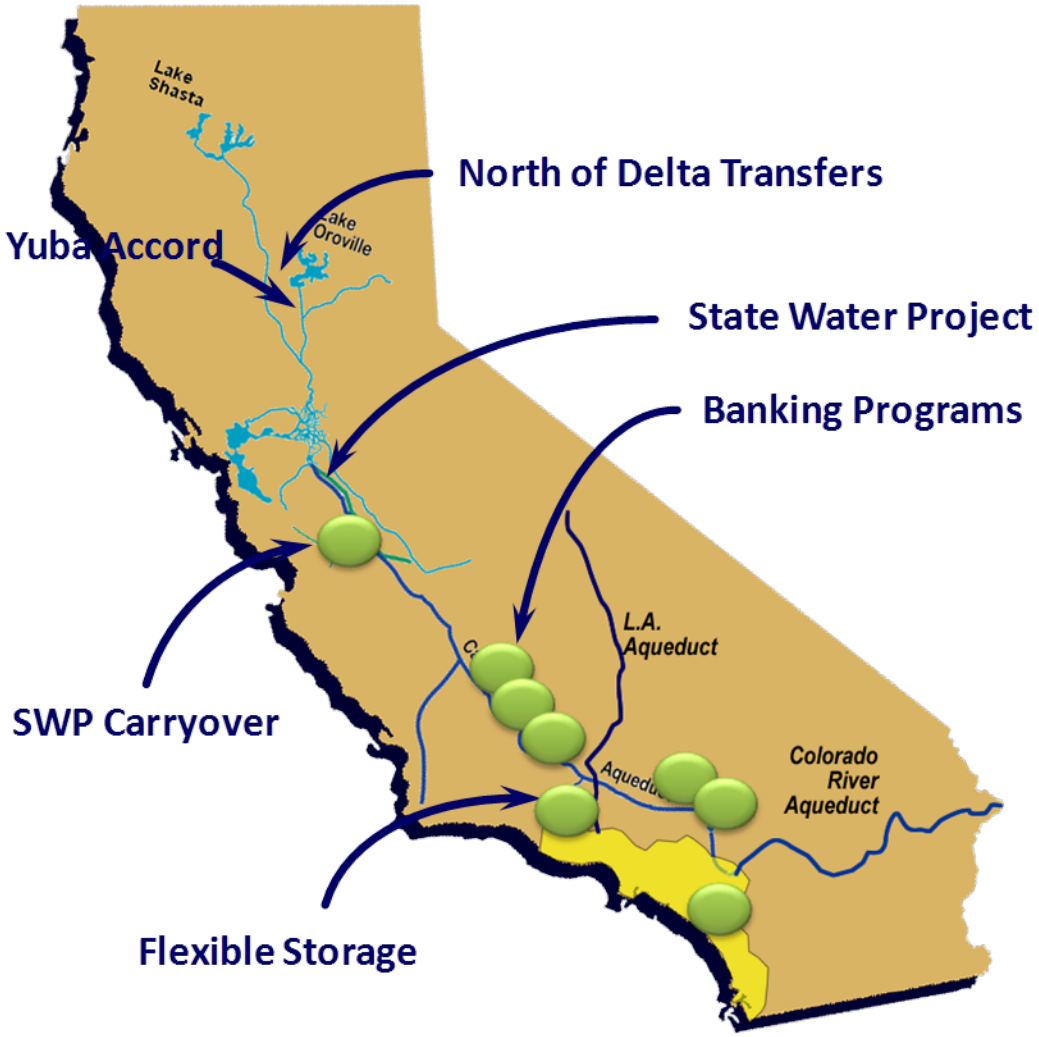
These amendments, approved by Metropolitan's Board in 1995, offered the means for individual Contractors to increase supply reliability through water transfers, and storage outside their service areas.

Since adoption of the 1996 Integrated Resources Plan (IRP) and subsequent updates, Metropolitan has developed and actively managed a portfolio of supplies to convey through the California Aqueduct. Metropolitan submits delivery schedules to DWR for these supplies, and alters these schedules throughout the year based on changes in the availability of SWP and Colorado River water. The figure below shows the geographic location of the portfolio of supplies that Metropolitan has developed to be conveyed through the SWP since adoption of the Monterey Amendment and the 1996 IRP. These resources extend from north of the Delta to Southern California.

Since the Monterey Amendment, Metropolitan has secured one–year water transfer supplies through Metropolitan–only purchases, buyer coalition–purchases, and Governor Drought Water Banks. The most recent years in which these one–year transactions occurred were 2008 through 2010, 2013 and 2015. No purchases were made in 2011, 2012, or 2016 due to favorable water supply conditions. Most of the sellers were Sacramento Valley water users who are not Contractors. Other Contractors obtained one–year water transfers during this timeframe as well.

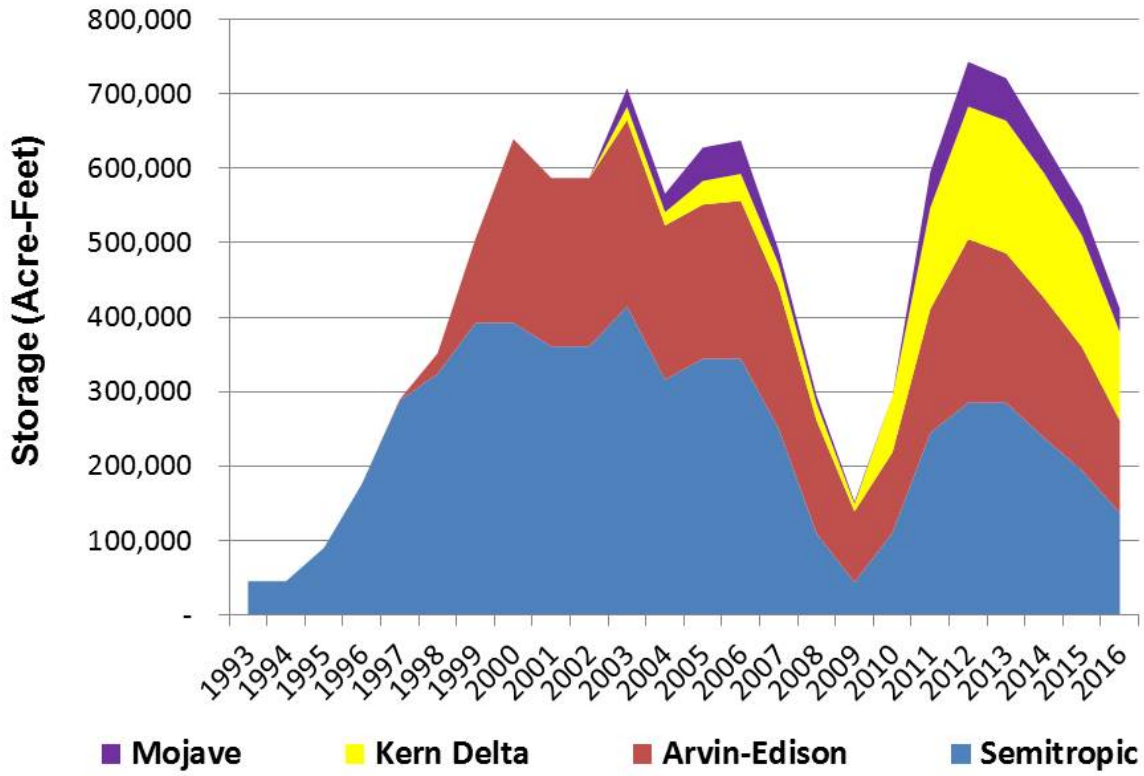
In addition to the one–year water transfers, Metropolitan purchases long–term water transfer supplies through the Yuba Accord. The Yuba Accord has provided water to enhance SWP and CVP water supply reliability by offsetting Delta export reductions and providing dry year water supplies for participating SWP and CVP contractors. This water is Yuba River water developed by Yuba County Water Agency (YCWA) making reservoir releases or by YCWA's member units substituting groundwater for their surface water supplies; it is not SWP water.

California Aqueduct Portfolio of Supplies



Metropolitan also has developed groundwater storage agreements that allow Metropolitan to store available supplies in the Central Valley for return later. Metropolitan enters into agreements with DWR to deliver water supplies from the SWP facilities to these storage programs. Metropolitan enters into agreements for introduction of local supplies to return these water supplies to the SWP system for delivery to Metropolitan. The year–end balances of Metropolitan's SWP storage activities are shown in the graph below.

SWP Groundwater Storage Programs year–end balance, acre–feet



- Mojave Storage Program: under the agreement, Mojave Water Agency provides groundwater banking and exchange transfers to allow Metropolitan to store up to 390,000 acre–feet for later return. The agreement allows Metropolitan to annually withdraw Mojave Water Agency's SWP contractual amounts, after accounting for local needs.

- Kern Delta Storage Program: under the agreement, Kern Delta Water District provides groundwater banking and exchange transfer to allow Metropolitan to store up to 250,000 acre–feet of SWP water in wet years and take up to 50,000 acre–feet annually during droughts. The water is returned by direct groundwater pump–in or by exchange of surface water supplies.

- Arvin–Edison Storage Program: under the agreement, Arvin–Edison Water Storage District stores water on behalf of Metropolitan. Up to 350,000 acre–feet can be stored; Arvin–Edison is obligated to return up to 75,000 acre–feet of stored water in any year to Metropolitan, upon request. The water is returned by direct groundwater pump–in and exchange of SWP supplies.

- Semitropic Storage Program: under the agreement, Metropolitan stores water in the groundwater basin underlying land within the Semitropic Water Storage District. The maximum storage capacity is 350,000 acre–feet. As of December 2014, the minimum annual yield to Metropolitan is 34,700 acre–feet, and the maximum annual yield is 236,200 acre–feet depending on the available unused capacity and the SWP allocation. The water is returned by direct groundwater pump–in and exchange of SWP supplies.

- Antelope Valley East Kern (AVEK) Storage and Exchange Program: under the agreement, AVEK provides at least 30,000 acre–feet over ten years of its unused SWP Table A amount to Metropolitan and Metropolitan, at its discretion, would return half of the exchange water to AVEK at the Banks pumping plant. Under the Storage Program, Metropolitan, at its discretion, could store at least 30,000 acre–feet of its SWP Table A amount or other supplies in the Antelope Valley Groundwater Basin in an account designated for Metropolitan.

Metropolitan has developed exchanges and transfers with other Contractors to enhance supply flexibility. Some of these agencies have extensive groundwater supplies and are willing to exchange their SWP supplies.

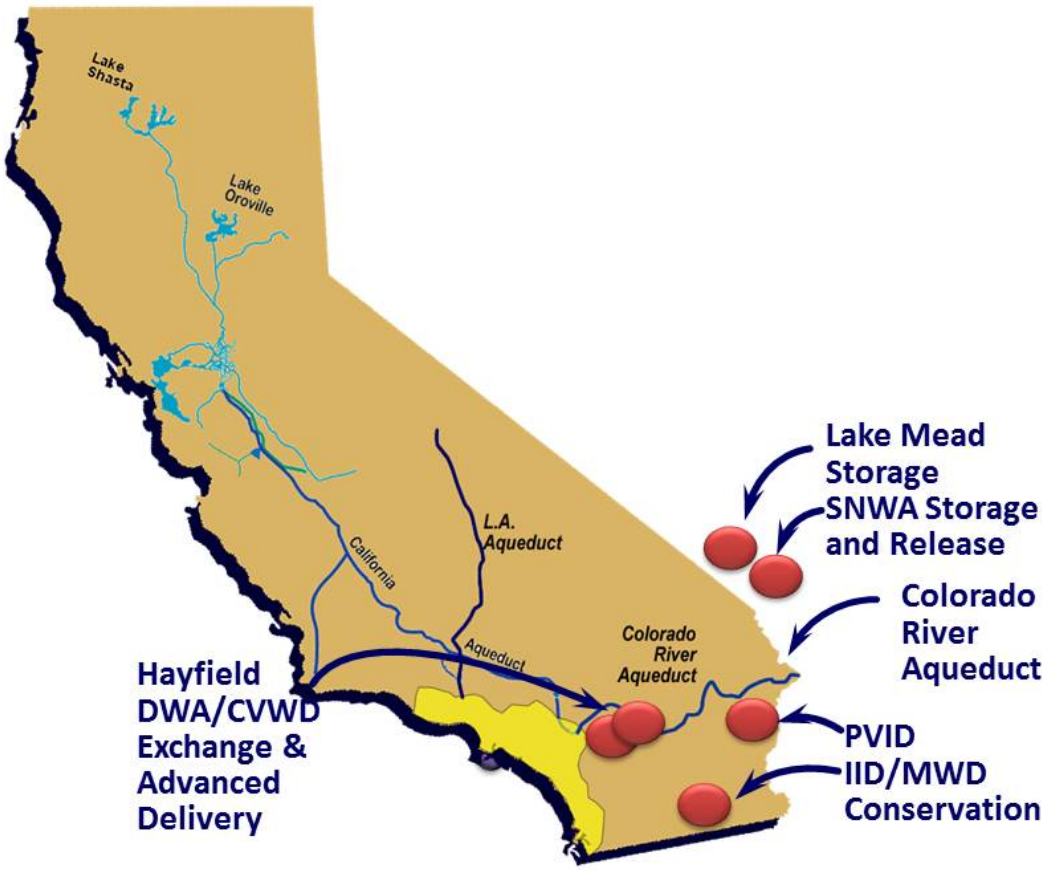
- San Gabriel Valley Water District: under this agreement, Metropolitan delivers treated water to a San Gabriel Valley Water District subagency in exchange for twice as much untreated SWP supplies delivered into the groundwater basin that supplies this agency and Metropolitan subagencies. Metropolitan can purchase at least 5,000 acre–feet per year, in excess of the unbalanced exchange amount. There are no fees to put water into storage, or take water out of the storage account. This program has the potential to increase Metropolitan's reliability by providing 115,000 acre–feet through 2035.

- Desert Water Agency/Coachella Valley Water District Advance Delivery Program: under this program, Metropolitan delivers Colorado River water to the Desert Water Agency (DWA) and Coachella Valley Water District (CVWD) in exchange for those agencies' SWP Contract Table A allocations to be delivered to Metropolitan at a later date. In addition to their Table A supplies, DWA and CVWD can take delivery of SWP supplies available under Article 21 of the SWC and the Turn–back Pool Program, and non–SWP supplies separately acquired by each agency. These non–SWP supplies have included Yuba Accord water, drought water bank water, and San Joaquin Valley water. Thus the availability of other water sources allows DWA and CVWD to exchange their Table A supplies with Metropolitan. By delivering enough water in advance to cover Metropolitan's exchange obligations, Metropolitan is able to receive DWA and CVWD's available SWP supplies in years in which Metropolitan's supplies are insufficient without having to deliver an equivalent amount of Colorado River water.

SUPPLY PROGRAMS HAVE BEEN DEVELOPED TO CONVEY ON THE CRA

Since adoption of the 1996 Integrated Resources Plan (IRP) and subsequent updates, Metropolitan has developed and actively manages a portfolio of supplies to convey through the CRA, and as owner and operator, determines the delivery schedule of those resources throughout the year based on changes in the availability of SWP and Colorado River water. The figure below shows the geographic location of the portfolio of supplies that Metropolitan has developed for diversion into the CRA since adoption of the 1996 IRP. These resources extend from Lake Mead to Southern California.

Colorado River Aqueduct Portfolio of Supplies



• Imperial Irrigation District/Metropolitan Conservation Program: Under a 1988 Conservation Agreement, Metropolitan has funded water efficiency improvements within the Imperial Irrigation District's (IID) service area in return for the right to divert the water conserved by those investments. Metropolitan provided funding for IID to construct and operate a number of conservation projects that have conserved up to 109,460 acre–feet of water per year that has been provided to Metropolitan. In 2015, 107,820 acre–feet of conserved water is being made available by IID to Metropolitan. Execution of the Quantification Settlement Agreement (QSA) and other agreement amendments resulted in changes in the availability of water under the program. As a result of a 2014 IID–Metropolitan letter agreement, the amount to be made available by IID has been quantified at 105,000 acre–feet per year beginning in 2016. Metropolitan is guaranteed at least 85,000 acre–feet per year, with the remainder of the conserved water being made available to CVWD, if needed under the 1989 Approval Agreement as amended.

• Palo Verde Land Management, Crop Rotation, and Water Supply Program: Under this program, participating landowners in the Palo Verde Irrigation District (PVID) are paid to reduce water use by not irrigating a portion of their land. A maximum of 29 percent of the participating lands within the Palo Verde Valley can be fallowed in any given year. This program saves up to 133,000 acre–feet of water in certain years, and a minimum of 33,000 acre–feet per year. The term of the program is 35 years. Fallowing began on January 1, 2005. In March 2009, Metropolitan and PVID entered into a supplemental emergency fallowing program within PVID that provided for the fallowing of additional acreage in 2009 and 2010. Since 2005, as much as 148,600 acre–feet of water was saved. The volume of water that becomes available to Metropolitan is governed by the QSA and the Colorado River Water Delivery Agreement. Under these agreements:

- Metropolitan must reduce its consumptive use of Colorado River water by that volume of consumptive use by PVID and holders of Priority 2 that is greater than 420,000 acre–feet in a calendar year, or

- Metropolitan may increase its consumptive use of Colorado River water by that volume of consumptive use by PVID and holders of Priority 2 that is less than 420,000 acre–feet in a calendar year.

In both cases, each acre–foot of reduced consumptive use by PVID is an additional acre–foot that becomes available to Metropolitan.

- All–American and Coachella Canal Lining Projects: Metropolitan has historically taken delivery of 16,000 acre–feet of water annually as a result of the All–American and Coachella Canal Lining Projects. Under the San Luis Rey Indian Water Rights Settlement Agreement, that water will be made available for the benefit of the La Jolla, Pala, Pauma, Rincon and San Pasqual Bands of Mission Indians, the San Luis Rey River Indian Water Authority, the City of Escondido and the Vista Irrigation District. Beginning in 2018, the settlement parties will receive 16,000 acre-feet of water under the agreement.

- Southern Nevada Water Authority and Metropolitan Storage and Interstate Release Agreement: Under this 2004 agreement and a related Operational Agreement, additional Colorado River water supplies are made available to Metropolitan when there is space available in the CRA to receive the water, subject to a request by Southern Nevada Water Authority (SNWA) for Metropolitan to reduce its Colorado River water order to return a portion of this water. In 2009, 2012, and 2015, Metropolitan, the Colorado River Commission of Nevada, and SNWA amended the related Operational Agreement. The agreements can be terminated upon 90 days' notice following the return of the water stored by Metropolitan.

- Lower Colorado Water Supply Project: Under a contract among Metropolitan, the City of Needles, and the United States Bureau of Reclamation, Metropolitan receives annually exchange water unused by the City of Needles and other entities who have no rights or insufficient rights to use Colorado River water in California. The beneficiaries of the project, including the City of Needles, receive water exchanged for groundwater pumped from wells into the All–American Canal. Metropolitan makes payments to a trust fund to develop a replacement project or to desalt the groundwater should the groundwater become too saline for discharge into the All–American Canal.

- Lake Mead Storage Program: In December 2007, Metropolitan entered into agreements to set forth the guidelines under which Intentionally Created Surplus (ICS) water is developed, and stored in and delivered from Lake Mead. The amount of water stored in Lake Mead, created through extraordinary conservation, system efficiency, or tributary conservation methods, is available for delivery in a subsequent year, with extraordinary conservation ICS subject to a one–time deduction and evaporation losses. Extraordinary conservation methods used by Metropolitan to date are water saved by fallowing in the Palo Verde Valley, projects implemented with IID in its service area, and groundwater desalination. The guidelines concerning the operation of the Colorado River system reservoirs provide the ability for agencies to create "System Efficiency ICS" through the development and funding of system efficiency projects that save water that would otherwise be lost from the Colorado River. Metropolitan has participated in two projects to create System Efficiency ICS:

  - Drop 2 (Warren H. Brock) Reservoir: Metropolitan contributed funds toward the Bureau of Reclamation's construction of an 8,000 acre–foot off–stream regulating reservoir near Drop 2 of the All–American Canal in Imperial County. This reservoir conserves about 70,000 acre–feet of water per year by capturing and storing otherwise non–storable flow. In return for its funding, Metropolitan received 100,000 acre–feet of water that was stored in Lake Mead, and has the ability to receive up to 25,000 acre–feet of water in any single year. Besides the additional water supply, the new reservoir adds to the flexibility of Colorado River operations.

  - In November 2012, Metropolitan executed agreements in support of a program to augment Metropolitan's Colorado River supply between 2013 and 2017 through an international pilot project in

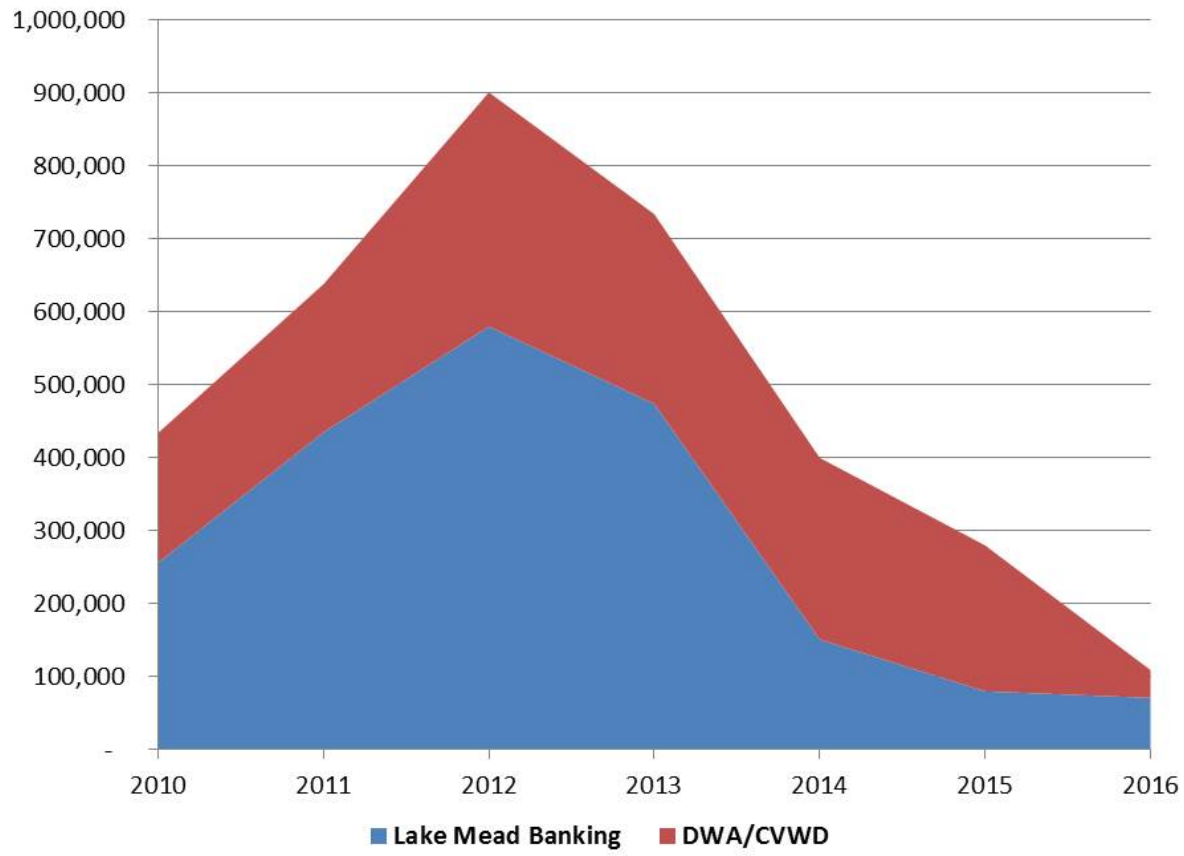
Mexico. Metropolitan's total share of costs will be $5 million for 47,500 acre–feet of project supplies. The costs will be paid between 2015 and 2017, and the conserved water will be credited to Metropolitan's intentionally–created surplus water account no later than 2017. In December 2013, Metropolitan and IID executed an agreement under which IID will pay half of Metropolitan's program costs, or $2.5 million, in return for half of the project supplies, 23,750 acre–feet.

- Hayfield Groundwater Storage Program: This program will allow Metropolitan to store Colorado River water in the Hayfield Groundwater Basin in eastern Riverside County for future withdrawal and delivery to the CRA. Drought conditions in the Colorado River watershed have resulted in a lack of surplus supplies for storage. When water supplies become more plentiful, Metropolitan may pursue this program and develop storage capacity of about 400,000 acre–feet.

- Desert Water Agency/Coachella Valley Water District/Metropolitan Water Exchange and Advance Delivery Programs: under these programs, Metropolitan delivers Colorado River water to the DWA and CVWD, in advance of the exchange for their SWP supplies. By delivering enough water in advance to cover Metropolitan's exchange obligations, Metropolitan is able to receive DWA and CVWD's available SWP supplies in years in which Metropolitan's supplies are insufficient without having to deliver an equivalent amount of Colorado River water.

The year–end balances of Metropolitan's CRA storage programs are shown in the graph below.

CRA Storage Programs year-end balance, acre-feet



BUDGET HIGHLIGHTS

The budget for the Supply Programs decreases over the budget period compared to FY 2017/18, primarily due to lower expenditures for Supply Programs on the Colorado River. This reflects the assumption of a 50 percent allocation on the SWP and approximately 838 to 916 TAF of deliveries on the CRA.

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DEMAND MANAGEMENT

OVERVIEW

Demand Management costs are Metropolitan's expenditures for funding local water resource development programs and water conservation programs. These demand management programs incentivize the development of local water supplies and the conservation of water to reduce the reliance on imported water. These programs are implemented after the service connection between Metropolitan and its member agencies and, as such, do not add any water to the quantity Metropolitan obtains from other sources or to Metropolitan's own supply. Rather, the effect of these downstream programs is to produce a local supply of water for the local agencies.

Demand Management programs reduce the use of and burden on Metropolitan's distribution and conveyance system, which, in turn, helps reduce and avoid capital, operating, maintenance and capital improvement costs associated with these facilities. For example, local water resource development and conservation has deferred the need to build additional infrastructure such as the Central Pool Augmentation Project and the San Diego Pipeline No. 6. Overall, the decrease in demand resulting from these projects is estimated to defer the need for projects between four and twenty–five years at a savings of approximately $2.9 billion in 2017 dollars. The programs also free up capacity in Metropolitan's system to convey both Metropolitan water and water from other non–Metropolitan sources.

The budgeted costs for Demand Management are as follows:

Demand Management Cost Summary[1], $ millions

	2017/18 Budget	2018/19 Budget	Change from 2017/18	2019/20 Budget	Change from 2018/19
Conservation Credits Program	$32.0	$43.0	$11.0	$43.0	—
Local Resources Program	$41.9	$44.1	$2.2	$40.8	($3.3)
Future Supply Actions	$2.0	$2.0	—	$2.0	—

[1] Does not include Departmental costs reflected elsewhere in this Budget.

Budgeted Demand Management costs reflect increasing the financial commitment for the Conservation Credits Program, conservation messaging, and maintaining the financial incentives for existing contracts under the Local Resources Program.

In addition to Metropolitan's own objectives, Metropolitan also pursues local water resource development because it has uniquely been directed to do so by the state Legislature. In 1999, then Governor Davis signed Senate Bill (SB) 60 (Hayden) into law. SB 60 amended the Metropolitan Water District Act to direct Metropolitan to increase conservation and local resource development. No other water utility in California, public or private, has been specifically identified by the state Legislature and directed to pursue water conservation and local water resource development.

Metropolitan's Demand Management programs also support the region's compliance with the requirements of SB X7–7. In 2009, the state Legislature passed SB X7–7, which was enacted to reduce urban per capita water use by 20 percent by December 31, 2020. Urban retail water suppliers are not eligible for state water grants or

loans unless they comply with the water conservation requirements of the legislation. Demand Management programs help the region achieve urban per capita water use reductions.

Demand Management costs also support the Strategic Plan Policy Principles approved by Metropolitan's Board on December 14, 1999. These principles embody the Board's vision that Metropolitan is a regional provider of wholesale water services. In this capacity, Metropolitan is the steward of regional infrastructure and the regional planner responsible for coordinated drought management and the collaborative development of additional supply reliability and necessary capacity expansion. Through these regional services, Metropolitan ensures a baseline level of reliability and quality for service in its service area.

DEMAND MANAGEMENT PROGRAMS REDUCE RELIANCE ON IMPORTED WATER

Metropolitan increased the emphasis on Demand Management programs after the devastating drought of the early 1990's. Metropolitan's 1996 Integrated Resources Plan identified the Preferred Resource Mix as the resource plan that achieved the region's reliability goal of providing the full capability to meet all retail–level demands during all foreseeable hydrologic events, represented the least–cost sustainable resources plan, met the region's water quality objectives, was balanced and diversified and minimized risks, and was flexible, allowing for adjustments should future conditions change.

The Preferred Resource Mix included locally developed water supplies and conservation, and recognized that regional participation was important to achieve their development. Additional imported supplies frequently have relatively lower development costs, but can create a large cost commitment for regional infrastructure to transport and store those imported supplies. On the other hand, local projects, like those designed to recycle water or increase groundwater production, may have higher development costs but require little or no additional infrastructure to distribute water supplies to customers. This trade–off between relatively lower–cost imported supplies requiring large regional infrastructure investments and relatively higher–cost local supply development requiring less additional local infrastructure was an important consideration in the development of the Preferred Resource Mix. A strategy of aggressively investing in imported water supply would lead to higher costs for the region because of the larger investments required in infrastructure. Since 1996, the Integrated Resources Plan has been updated in 2004, 2010, and 2015 reaffirming long–term sustainability of the region's water supply through implementation of conservation and local resource development.

DEMAND MANAGEMENT PROGRAMS REDUCE DEMANDS AND BURDENS ON METROPOLITAN'S SYSTEM

Demand Management programs decrease and avoid operating and maintenance and capital improvement costs, such as costs for repair of and construction of additional or expanded water conveyance, distribution, and storage facilities. The programs also free up capacity in Metropolitan's system to convey both Metropolitan water and water from other non–Metropolitan sources.

The purpose of Demand Management is to generate additional local resources or reduce consumption through conservation, which reduces the amount of water that must otherwise be transported through Metropolitan's system. Investments in Demand Management programs like conservation, water recycling and groundwater recovery help defer the need for additional conveyance, distribution, and storage facilities. Demand Management is an important part of Metropolitan's resource management efforts. Metropolitan's incentives in these areas contribute to savings for all users of the system in terms of lower capital costs that would otherwise have been required to expand and maintain the system.

SB 60 DIRECTED METROPOLITAN TO EXPAND DEMAND MANAGEMENT PROGRAMS

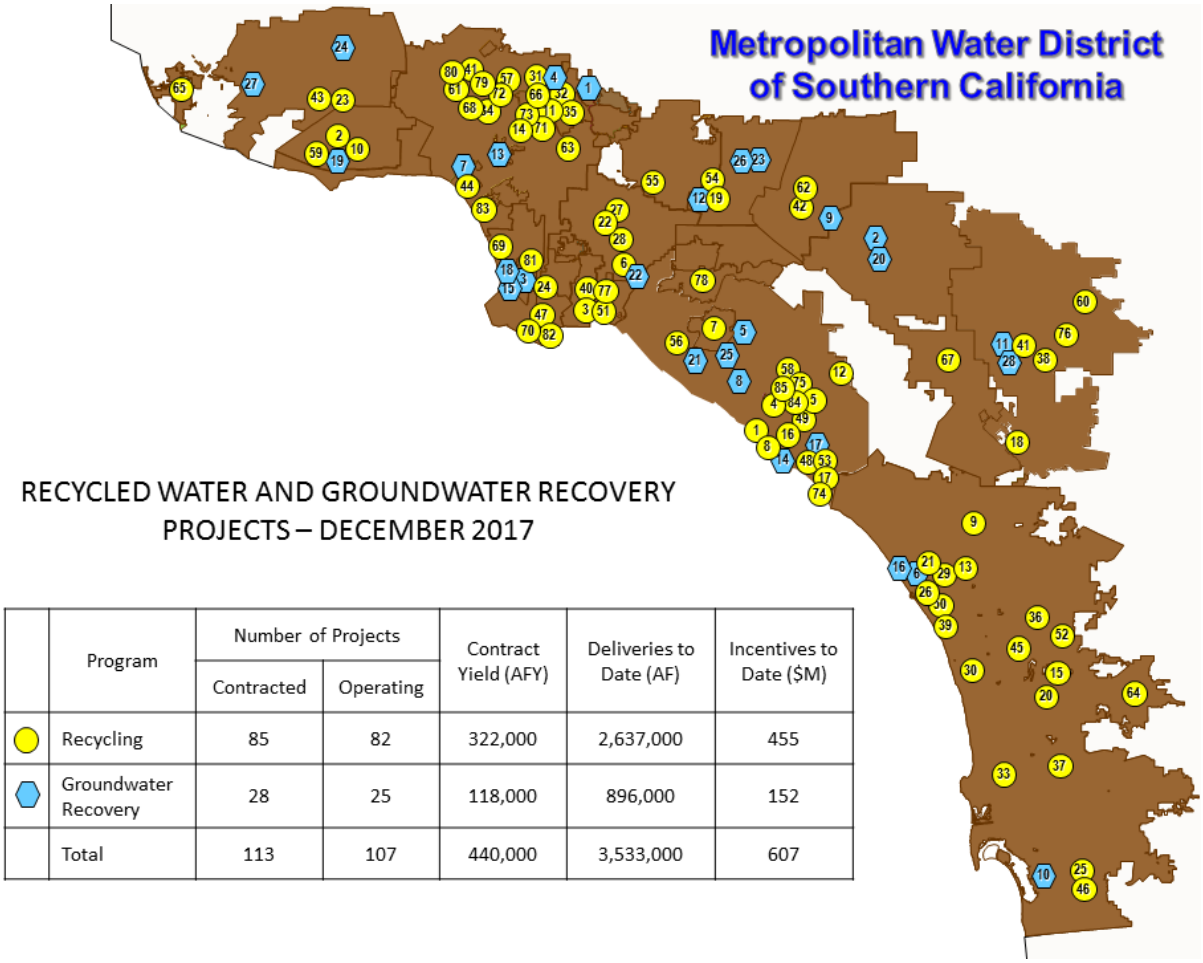
In September 1999, Governor Gray Davis signed SB 60 (Hayden) into law. SB 60 amended the Metropolitan Water District Act to direct Metropolitan to increase "sustainable, environmentally sound, and cost–effective water conservation, recycling, and groundwater storage and replenishment measures." SB 60 also requires Metropolitan to hold an annual public hearing to review its urban water management plan for adequacy in achieving an increased emphasis on cost–effective conservation and local water resource development, and to invite knowledgeable persons from the water conservation and sustainability fields to these hearings. Finally, Metropolitan is required to annually prepare and submit to the Legislature a report on it progress in achieving the goals of SB 60. SB 60 specifically indicated that no reimbursement was required by legislation because Metropolitan, as a local agency, has the authority to levy service charges, fees or assessments sufficient to pay for the program or level of service mandated by SB 60. No other water utility in California, public or private, has been specifically identified by the state Legislature and directed to pursue water conservation and local water resource development.

In FY 2016/17 alone, Metropolitan's service area achieved 1.6 million acre–feet of water savings from conservation, recycled water and groundwater recovery programs. The 1.6 million acre–feet of water savings from water management activities in fiscal year 2016/17 exceeded actual water transactions in the same period of 1.54 million acre–feet. These savings derived from programs for which Metropolitan paid incentives, as well as code–based conservation achieved through legislation, building and plumbing codes and ordinances, and reduced consumption resulting from changes in water pricing. Cumulatively, since 1982 Metropolitan has invested almost $1.4 billion and Metropolitan's service area has achieved 6.1 million acre-feet of water savings.

Metropolitan's Conservation Credits Program provides incentives to residents and businesses for use of water–efficient products and qualified water–saving activities. Rebates have been provided to residential customers for turf removal and purchasing of high–efficiency clothes washers and toilets. Rebates are also provided to businesses and institutions for water–saving devices. In fiscal year 2016/17, the Conservation Credits Program achieved 1.0 million acre–feet of saved water through new and existing conservation initiatives funded with incentives and maintained through plumbing codes. Cumulatively, through fiscal year 2016/17 the Conservation Credits Program has achieved over 2.6 million acre–feet of water savings.

Metropolitan provides financial incentives through its Local Resources Program for the development and use of recycled water and recovered groundwater. The Local Resources Program consists of 85 recycling projects and 28 groundwater recovery projects located throughout Metropolitan's service area, of which 107 projects are in operation. From the Local Resources Program's inception in 1982 through FY 2016/17, Metropolitan has paid out about $488 million in incentives to produce about 2.6 million acre–feet of recycled water. Metropolitan also provided approximately $151 million to produce 893,000 acre–feet of recovered degraded groundwater for municipal use.

Local Resources Program Projects



	Program	Number of Projects		Contract Yield (AFY)	Deliveries to Date (AF)	Incentives to Date ($M)
		Contracted	Operating			
●	Recycling	85	82	322,000	2,637,000	455
⬢	Groundwater Recovery	28	25	118,000	896,000	152
	Total	113	107	440,000	3,533,000	607

SB X7–7 REQUIRES INCREASED CONSERVATION

SBX7–7 mandated a new requirement to lower urban per capita water use 20 percent by December 31, 2020. Enacted by the state Legislature and signed into law by Governor Schwarzenegger as part of a historic package of water reforms in November 2009, the "20x2020" plan gave local communities flexibility in meeting this target while accounting for previous efforts in conservation and recycling. The Legislature found that reducing water use through conservation and regional water resources management would result in protecting and restoring fish and wildlife habitats, reducing dependence on water through the Delta, and providing significant energy and environmental benefits. Metropolitan coordinates closely with its member agencies to achieve these targets both at a retail agency level in compliance with legislative requirements, and as a region in achieving a true 20 percent reduction in per–capita water use.

BUDGET HIGHLIGHTS

The budget for the Demand Management costs is increasing when comparing the Biennial Budget to FY 2017/18, due primarily to increased expenditures for the Conservation Credits Program and conservation messaging.

CAPITAL FINANCING

OVERVIEW

Capital financing costs are Metropolitan's expenditures for revenue bond debt service, General Obligation bond debt service, debt administration costs, and the funding of capital expenditures from current operating revenues, or Pay–As–You–Go (PAYGo).

The budgeted costs for capital financing are as follows:

Capital Financing Cost Summary, $ millions

	2017/18 Budget	2018/19 Budget	Change from 2017/18	2019/20 Budget	Change from 2018/19
Debt Service, net of BABs Reimbursement	$318.1	$311.1	($7.0)	$309.6	($1.5)
GO Bond Debt Service	18.8	14.4	(4.4)	14.3	0.0
SRF Loan	1.3	—	(1.3)	—	—
Debt Administration	5.9	6.5	0.6	6.9	0.4
PAYGo	120.0	120.0	—	120.0	—
Total[1]	**$464.1**	**$452.0**	**($12.1)**	**$450.9**	**($1.1)**

[1] Does not include Departmental costs reflected elsewhere in this Budget.

Budgeted amounts for Capital Financing represent the expenditures for existing and future debt service, anticipated debt administration costs to support the debt portfolio, and PAYGo amounts to support the Capital Investment Plan. Metropolitan generally incurs long–term debt to finance projects or purchase assets which will have useful lives equal to or greater than the related debt. Revenue supported debt can be authorized by Metropolitan's Board of Directors.

CAPITAL INVESTMENT PLAN

The Capital Investment Plan (CIP) expenditures for FY 2018/19 and FY 2019/20 is estimated to be $200.0 million in each fiscal year. It is proposed to be funded by current operating revenues (PAYGo) and revenue bond proceeds. The FY 2018/19 CIP expenditures are unchanged from the FY 2017/18 Adopted budget, as is the FY 2019/20 CIP expenditures. The largest areas of expenditures in the Biennial Budget are infrastructure refurbishment and replacement and infrastructure upgrades.

The CIP planned spending as developed by Engineering Services and presented in the Capital Expenditures section of the budget is estimated to be $500 million over the biennium. Over the last several years, actual expenditures have been about 20% below planned spending. In keeping with that trend, the current proposal for the two years is about 80% of planned engineering spending or $200 million in each fiscal year.

PAYGo Percentage of Funding, $ millions

	2017/18 Budget	2018/19 Budget	2019/20 Budget
Capital Investment Plan expenses	$200.0	$200.0	$200.0
Project Funding:			
New Bond Issues	80.0	80.0	80.0
Prior Bond Funds/Construction Fund			
Grants and Loans Funds			
Operating Revenues (PAYGo)	120.0	120.0	120.0
PAYGo Percentage of Funding	60.0%	60.0%	60.0%

In FY 2018/19 and FY 2019/20, the percentage of capital that is funded by debt will be set at 40 percent, consistent with the FY 2016/17 and FY 2017/18 ten–year forecast for this time period. The projected average percentage of capital funded from debt will be 40 percent over the ten years of the long–range forecast.

OUTSTANDING DEBT

Metropolitan has total debt outstanding of $4.3 billion as of December 31, 2017. Metropolitan's debt issues are summarized below and discussed in detail thereafter.

Outstanding Debt, $'s, as of December 31, 2017

Issue	Debt Outstanding
1993 Series A, Water Revenue Refunding Bonds	21,840,000
1993 Series A, Water Revenue Refunding Bonds	27,300,000
2000 Series B-3, Authorization Water Revenue Bonds (1)	88,800,000
2008 Series A, Authorization Water Revenue Bonds	174,530,000
2008 Series B, Authorization Water Revenue Bonds	7,905,000
2008 Series B, Water Revenue Refunding Bonds	112,345,000
2008 Series C, Authorization Water Revenue Bonds (2)	78,385,000
2008 Series C, Water Revenue Refunding Bonds	19,470,000
2008 Series D, Authorization Water Revenue Bonds (2)	250,000,000
2009 Series B, Water Revenue Refunding Bonds	106,690,000
2009 Series C, Water Revenue Refunding Bonds	91,165,000
2009 Series D, Water Revenue Refunding Bonds	40,740,000
2009 Series E, Water Revenue Refunding Bonds	9,730,000
2010 Series A, Authorization Water Revenue Bonds (2)	250,000,000
2010 Series B, Water Revenue Refunding Bonds	69,155,000
2011 Series B, Water Revenue Refunding Bonds	3,885,000
2011 Series C, Water Revenue Refunding Bonds	138,280,000
2012 Series A, Water Revenue Refunding Bonds	181,180,000
2012 Series C, Water Revenue Refunding Bonds	104,930,000
2012 Series F, Water Revenue Refunding Bonds	59,335,000
2012 Series G, Water Revenue Refunding Bonds	111,890,000
2013 Series D, Special Variable Rate Water Revenue Refunding Bonds (1)	87,445,000
2014 Series A, Water Revenue Refunding Bonds	95,935,000
2014 Series B, Water Revenue Refunding Bonds	10,575,000
2014 Series C-1, Water Revenue Refunding Bonds	13,505,000
2014 Series C-2, Water Revenue Refunding Bonds	14,020,000
2014 Series C-3, Water Revenue Refunding Bonds	2,810,000
2014 Series D, Special Variable Rate Water Revenue Refunding Bonds (1)	38,465,000
2014 Series E, Water Revenue Refunding Bonds	86,060,000
2014 Series G-3, Water Revenue Refunding Bonds	11,165,000
2014 Series G-4, Water Revenue Refunding Bonds	11,605,000
2014 Series G-5, Water Revenue Refunding Bonds	6,205,000
2015 Series A, Authorization Water Revenue Bonds	208,255,000
2015 Series A-1, Special Variable Rate Water Revenue Refunding Bonds (1)	94,450,000
2015 Series A-2, Special Variable Rate Water Revenue Refunding Bonds (1)	94,450,000
2016 Series A, Water Revenue Refunding Bonds	239,455,000
2016 Series A, Authorization Subordinate Water Revenue Bonds (Taxable) (1)	175,000,000
2016 Series B-1, Special Variable Rate Water Revenue Refunding Bonds (1)	51,835,000
2016 Series B-2, Special Variable Rate Water Revenue Refunding Bonds (1)	51,835,000
2017 Series A, Authorization Water Revenue Bonds (1)	80,000,000
2017 Series A, Subordinate Water Revenue Refunding Bonds	238,015,000
2017 Series B, Subordinate Water Revenue Refunding Bonds	178,220,000
2017 Series C, Subordinate Water Revenue Bonds (1)	80,000,000
2017 Series D, Subordinate Water Revenue Refunding Bonds (1)	95,630,000
2017 Series E, Subordinate Water Revenue Refunding Bonds (1)	95,625,000
Total Revenue Bonds	**4,008,115,000**
2009 Series A, WaterWorks General Obligation Refunding Bonds	27,000,000
2010 Series A, WaterWorks General Obligation Refunding Bonds	18,735,000
2014 Series A, WaterWorks General Obligation Refunding Bonds	29,170,000
Total General Obligation Bonds	**74,905,000**
2016 Series B-2, Tax-Exempt Flexible Rate Revolving Notes (1)	198,265,000
Total Revolving Note Program	**198,265,000**
Total Debt:	**$4,281,285,000**

(1) Outstanding variable rate obligation.
(2) Designated as "Build America Bonds" pursuant to the American Recovery and Reinvestment Act of 2009.

DEBT SERVICE

Debt Service payments in FY 2018/19 are budgeted at $332.0 million and includes $14.4 million in General Obligation bond debt service, $311.1 million in revenue bond debt service, and $6.5 million for debt administration costs.

Debt Service payments in FY 2019/20 are budgeted at $330.9 million and include $14.3 million in General Obligation bond debt service, $309.6 million in revenue bond debt service, and $6.9 million for debt administration costs. Total debt service costs in FY 2019/20 are expected to be $1.0 million less than the FY 2018/19 payments as principal on existing debt is paid down and less new obligations are issued. Interest payments on synthetic fixed rate debt were calculated at their associated swap rates plus any spread (if known). Interest rates on variable rate debt were calculated at 1.70 percent for FY 2018/19 and FY 2019/20.

Outstanding variable rate debt on December 31, 2017 was approximately $1,231.8 million, including bonds bearing interest in the Index Mode, special variable rate bonds initially designated as self–liquidity bonds, variable rate demand obligations supported by standby bond purchase agreements between Metropolitan and various liquidity providers, and direct purchase obligations. Of the $1,231.8 million, $493.6 million are treated by Metropolitan as fixed rate debt by virtue of interest rate swap agreements. The remaining $738.2 million of variable rate obligations represent approximately 17.5 percent of total outstanding water revenue bonds and revolving notes.

Going forward, Metropolitan will finance its construction program through a combination of fixed–rate debt and variable rate debt. Metropolitan intends to issue approximately $80 million of new debt in FY 2018/19 and FY 2019/20.

DEBT RATINGS

Credit risk is the risk that a financial loss will be incurred if a counterparty to a transaction does not fulfill its financial obligations in a timely manner. This is measured by the assignment of a rating by a nationally recognized statistical credit rating organization. Strong credit ratings provide tangible benefits to ratepayers in the form of reduced debt service cost. A strong credit rating provides better access to capital markets, lower interest rates and better terms on debt, and access to a greater variety of debt products. Prudent financial management policies have resulted in Metropolitan's senior lien bond ratings of AAA from Standard & Poor's, Aa1 from Moody's, and AA+ from Fitch.

DEBT POLICY AND COVERAGE

Metropolitan is subject to limitations on additional revenue bonds. Resolution 8329 (the "Master Revenue Bond Resolution"), adopted by Metropolitan's Board in 1991 and subsequently supplemented and amended, provides for the issuance of Metropolitan's revenue bonds. The Master Revenue Bond Resolution limits the issuance of additional obligations payable from Net Operating Revenues, among other things, through the requirement that Metropolitan must meet an Additional Bonds Test, as defined in the Master Revenue Bond Resolution. Metropolitan's Master Subordinate Bond Resolution, Resolution 9199, adopted by the Board in March 2016, and subsequently supplemented and amended, also incorporates limitations on additional revenue bonds.

The Metropolitan Act also provides two additional limitations on indebtedness. The Act provides for a limit on general obligation bonds, water revenue bonds and other indebtedness at 15 percent of the assessed value of all taxable property within Metropolitan's service area. As of December 31, 2017, outstanding general obligation bonds, water revenue bonds and other evidences of indebtedness in the amount of $4.3 billion represented approximately 0.16 percent of the FY 2017/18 taxable assessed valuation of $2,741 billion. The second limitation under the Act specifies that no revenue bonds may be issued, except for the purpose of refunding, unless the amount of net assets of Metropolitan as shown on its balance sheet as of the end of the last fiscal year prior to the issuance of the bonds equals at least 100 percent of the aggregate amount of revenue bonds

outstanding following the issuance of the bonds. The net position of Metropolitan at June 30, 2017 was $6.8 billion. The aggregate amount of revenue bonds outstanding as of December 31, 2017 was $4.0 billion.

Metropolitan has also established its own policy regarding debt management. The purpose is to maintain a balance between current funding sources and debt financing to retain Metropolitan's financing flexibility. Flexibility allows Metropolitan to use a variety of revenue or debt–financing alternatives, including issuing low–cost variable rate and other revenue supported obligations.

Metropolitan's debt management policy is to:

- Maintain an annual senior/subordinate lien revenue bond debt coverage ratio of at least 2.0 times coverage;
- Maintain an annual fixed charge coverage ratio of at least 1.2 times coverage;
- Limit debt–funded capital to no more than 40 percent of the total capital program over the ten–year planning period; and
- Limit variable rate debt such that the net interest cost increase due to interest rate changes is no more than $5 million, and limit the maximum amount of variable rate bonds to 40 percent of outstanding revenue bond debt (excluding variable rate bonds associated with interest rate swap agreements).

In order to comply with the debt management policy, Metropolitan has taken the following measures:

Revenue Bond Debt Coverage Ratio

This policy ensures that Metropolitan has sufficient annual operating revenues to pay its operating expenses and meet its debt service obligations on its revenue bonds and other senior debt. The revenue bond debt coverage ratio is defined as Metropolitan's net operating revenue (current year's operating revenue less the current year's operating expenses) divided by the current year's senior/subordinated lien debt service on all revenue bonds and other senior debt. The target is 2.0 times. In FY 2018/19 and FY 2019/20, the projected debt coverage ratio is 1.6 and 1.9 times, respectively.

Fixed Charge Coverage Ratio

In addition to revenue bond debt service coverage, Metropolitan also measures total coverage of all fixed obligations after payment of operating expenditures. This additional measure is used to account for Metropolitan's recurring capital costs for the State Water Contract, which are funded after debt service on revenue bonds and other parity obligations. Rating agencies expect that a financially sound utility consistently demonstrate an ability to fund all recurring costs, whether they are operating expenditures, debt service payments or other contractual payments. Metropolitan's fixed charge coverage ratio target is 1.2 times. In FY 2018/19 and FY 2019/20, the projected debt coverage ratio is 1.5 and 1.7, respectively. These levels help maintain strong credit ratings and access to the capital markets at low cost.

BUDGET HIGHLIGHTS

The FY 2018/19 and FY 2019/20 Capital Financing budget is decreasing from the FY 2017/18 budget due to lower debt service expenditures overall. Lower overall Capital Financing costs provide increased financial flexibility and resiliency.

GLOSSARY OF TERMS

20 x 2020 — 2009 Water Conservation Act goal of twenty percent reduction in per capita regional water use by 2020.

ACE — Association of Confidential Employees; an employee bargaining unit at Metropolitan.

Accrual — An accounting method that records revenues when earned and expenses when incurred regardless of the timing of when the cash is actually paid or received.

Acre–Foot — A unit of measure equivalent to 325,851.4 gallons of water and weighs approximately 62.4 pounds, which meets the needs of two average families in and around the home for one year.

ACWA — Association of California Water Agencies.

AFSCME — American Federation of State, County, and Municipal Employees, Local 1902.

Appropriation — Money set aside for a specific purpose. The designation of the use to which a fund of money is to be applied.

Bay Delta — An environmentally sensitive area of the Sacramento/San Joaquin River Delta through and from which water flows to reach portions of California from the San Francisco Bay Area to San Diego. Moving water across the delta during the high–demand summer months is becoming more difficult as additional water is set aside to mitigate for environmental impacts.

Budget — A report of all anticipated expenditures and required reserves and the source of moneys to be used to meet such expenditures and provide such reserves.

Budgeted Position — A staff position approved by the Board of Directors for the fiscal year.

California WaterFix (CA WaterFix) — California WaterFix is a comprehensive science-based solution proposed by the state to modernize critical water delivery infrastructure of the State Water Project. The California WaterFix proposes construction of new water intakes in the north Delta and two 40-foot diameter tunnels under the Delta terminating at a forebay in the South Delta. This would fulfill the requirement of the 2009 Delta Reform Act to contribute toward meeting the coequal goals of providing a more reliable water supply for California and protecting, restoring and enhancing the Delta ecosystem.

Capital Investment Plan (CIP) — Metropolitan's CIP is designed to refurbish existing facilities needed to ensure a reliable distribution system, expand treatment facilities to meet current and future water quality regulations, and expand storage and conveyance facilities to meet current and future storage requirements.

Capital Project — A project that results in a new asset (e.g., a facility, betterment, replacement, equipment, etc.) that has a total cost of at least $50,000 and a useful life of at least five years. Computer software can be capitalized if it costs $250,000 or more and has a useful life of at least three years.

The California Environmental Quality Act (CEQA) — A statute that requires state and local agencies to identify the significant environmental impacts of their actions, and to avoid or mitigate those impacts, if feasible.

Colorado River Aqueduct (CRA) — The 242-mile–long water conveyance system built by Metropolitan to carry water from the Colorado River to its Southern California service area.

Conservation Credits Program (CCP) — A program where Metropolitan provides financial assistance for the development of conservation programs at the local level (e.g. energy efficient washing machines, low flush toilets, etc.).

CUWCC — California Urban Water Conservation Council, a non–profit 501c3 formed as a partnership of water suppliers, environmental groups, and others interested in conserving California's greatest natural resource, water.

Debt Service — The annual cost of repaying outstanding debt.

Department of Water Resources (DWR) — A department within the California Resources Agency which is responsible for the state's management and regulation of water usage.

Distribution System — Refers to the network of pipelines and canals used for the conveyance of water from Metropolitan's terminal reservoirs to member agency service connections.

DVL — Diamond Valley Lake. A reservoir built by Metropolitan with a capacity of 800,000 AF.

EIR — Environmental Impact Report.

EMS — Energy Management System.

Endangered Species Act (ESA) — An act of the federal government enacted in 1973 that provides for the conservation of species that are endangered or threatened and the conservation of the ecosystems on which they depend. A species is considered endangered if it is in danger of extinction throughout all or a significant portion of its range. A species is considered threatened if it is likely to become an endangered species within the foreseeable future.

Enterprise Fund — To account for operations that are financed and operated where the intent is that the costs (expenses, including depreciation) of providing goods or services to the general public on a continuing basis be financed or recovered primarily through user charges.

Ethics Program — State law (SB 60) mandates that Metropolitan maintain a program to address and seek to avoid potential ethical abuses relating to business relationships, solicitation and/or receipt of campaign contributions, and public notice and approval procedures for contracts of $50K or more. This program includes on–going training for board members and employees regarding ethics in the workplace.

FERC — Federal Energy Regulatory Commission.

Fund — A self– balancing set of accounts recording cash and other financial resources, together with all related liabilities and residual equities or balances, and changes therein, which are segregated for the purpose of carrying on specific activities or attaining certain objective in accordance with special regulations, restrictions, or limitations.

Fund Balance — Created from excess revenues over expenditures. This can be a combination of collections/ revenues being higher than budget and actual expenditures being lower than budget.

IID/Metropolitan Conservation Agreement — Water conservation agreement with the Imperial Irrigation District (IID) that allows for the development of certain water conservation capital structures by Metropolitan in the Imperial Valley. Metropolitan, in turn, gets the quantity of water conserved during the term of this agreement, four years during construction, and 35 years after completion. It encompasses both the operating

and maintenance, in direct, and capital cost of developing and implementing the program. This agreement is renewable.

IRWMP — Integrated Regional Water Management Plan.

Integrated Resources Plan (IRP) — An open and participatory planning process that takes a broad view of all water resource options available to the region and searches for the right combination of investments to achieve water supply objectives in a cost–conscious and environmentally responsible manner.

Local Resources Program (LRP) — A program in which Metropolitan provides financial assistance to its member agencies for the development of local groundwater recycling and groundwater recovery projects.

MAPA — Management and Professional Employees Association, Local 1001.

Member Agency — Refers to any of the 26 cities or public water agencies that comprise the Metropolitan Water District and whose representatives constitute the Board of Directors of Metropolitan.

MAF (million acre–feet) — A unit measure of water.

Minute 319 — Agreement that amends the 1944 Treaty between Mexico and the United States by establishing new rules in sharing Colorado River water and provides immediate plans to address current challenges. Parties to the agreement include Metropolitan Water District of Southern California, Southern Nevada Water Authority, Central Arizona Water Conservation District. Minute 319 allows Mexico to store water in Lake Mead as Intentionally Created Mexican Apportionment for future delivery and environmental flows. Stored water will be exchanged among the parties to the agreement.

MWDOC — Municipal Water District of Orange County; one of 26 member agencies that comprise Metropolitan.

MOU (Memorandum of Understanding) — Legal agreements entered into between Metropolitan and any of the four employee bargaining units that dictate terms and conditions of employment.

Operating Equipment — Any portable equipment costing $5,000 or more and having a useful life of five years or more.

Operations Maintenance Power & Recovery (OMP&R) — A component of the State Water Contract that is billed to the contracting agencies to maintain the system.

OPEB — Other Post Employment Benefits.

ORP — Oxidation Retrofit Program.

Ozone — It is an unstable form of oxygen composed of three–atom molecules that break down readily to normal oxygen and nascent oxygen. The latter is a powerful oxidizing agent and has germicidal action. Ozone is usually produced with on–site generators by passing high–voltage electricity through dry atmospheric air or pure oxygen between stationary electrodes. This process converts a small percentage of the oxygen in the air into ozone. It is usually injected into the water to be treated in a highly baffled mixing chamber.

PAYGO — The practice of funding construction expenditures from current operating revenues in lieu of using debt proceeds.

PVID — Palo Verde Irrigation District.

Palo Verde Land Management and Water Supply Program — Calls for the development of a flexible water supply of between 25,000 and 111,000 acre–feet per year for 35 years through a land management and crop

rotation program to be implemented by participating farmers in the Palo Verde Valley. The maximum water supply that could be developed would be about 3.63 million acre–feet during the 35–year term while the minimum water supply required to be developed would be 1.76 million acre–feet.

Performance Measure — An indicator of progress toward completing an initiative, achieving a goal, or implementing a strategy. Performance measures are quantifiable and tracked over time. Measures can indicate problem areas that need attention or be a guide for continual performance improvement through specific initiatives and actions.

PCCP — Pre–stressed Concrete Cylinder Pipe.

Power Recovery — Energy generated from the operation of sixteen Metropolitan–owned hydroelectric generating facilities. The term "recovery" derives from the capture of potentially wasted electrical energy from Metropolitan's water distribution system.

Quagga Mussel — A destructive non–native species of mussel from the Ukraine region that could clog pipes and water line.

Quantification Settlement Agreement (QSA) — The Quantification Settlement Agreement (QSA), executed by Coachella Valley Water District (CVWD), Imperial Irrigation District (IID) and Metropolitan in October 2003, establishes Colorado River water use limits for IID and CVWD, and provides for specific acquisitions of conserved water and water supply arrangements for up to 75 years. The QSA and related agreements provide a framework for Metropolitan to enter into other cooperative Colorado River supply programs and set aside several disputes among California's Colorado River water agencies.

Regional Recycled Water Program (RRWP) — An advanced water treatment demonstration facility that will take treated wastewater and purify it through various advanced treatment technologies to produce a safe, high-quality water source; the project is a partnership between Metropolitan and the Sanitation Districts of Los Angeles County.

Replacement and Refurbishment (R&R) — Capital projects that invest in Metropolitan's aging infrastructure by restoring them to optimal operating status.

Reserves — Funds set aside to comply with bond covenants, working capital policy, or other board policies as part of a prudent financial strategy.

Revenue Remainder Fund — See Financial Policies for description.

SCADA — Supervisory Control and Data Acquisition; automated systems that are used to monitor, operate, and control Metropolitan's water conveyance, treatment, and distribution systems.

SDCWA — San Diego County Water Authority; one of 26 member agencies that make up Metropolitan.

Senate Bill 60 (SB 60) — This bill requires Metropolitan to place increased emphasis on sustainable, environmentally sound, and cost–effective water conservation, recycling, and groundwater storage and replenishment measures and, commencing February 1, 2001, to prepare and submit to the Legislature a prescribed annual report relating to water conservation.

State Water Contract (SWC) — State Water Contracts are the basis for all SWP construction and ongoing operations. As the largest of the now 29 contractors, Metropolitan is entitled to slightly less than half of all SWP supplies. Water supplies from the SWP are conveyed to Metropolitan via the SWP's 444–mile California Aqueduct, which was made possible pursuant to Metropolitan's State Water Contract.

State Water Project (SWP) — The SWP is the largest state–built, user–financed water supply and transportation project in the country. The SWP serves urban and agricultural agencies from the San Francisco Bay area to Southern California. Its facilities were constructed with several general types of financing, the repayment of which is made by the 29 agencies and districts that participate in the SWP through long–term contracts (the State Water Contractors). The State Water Contractors also pay for the operations, maintenance, power, and replacement costs of the SWP.

System Overview Study — An analysis of Metropolitan's current delivery and treatment capacities versus projected needs during the planning horizon. The System Overview Study, coupled with the Integrated Area Study, analyzes various portfolios of projects that could be used to meet future demand and then develops a potential CIP. Finally, the System Overview Study analyzes the potential impact to rates from the proposed facilities.

TAF (thousand acre–feet) — A unit of measure of water.

Total Dissolved Solids (TDS) — Refers to the total organic carbon concentration in water. Measurement of TDS removal is used as a surrogate for disinfection by-product precursor removal.

Treatment Plants — Facilities used by Metropolitan for the treatment of water to remove contaminants or total dissolved solids thus ensuring that such water is potable before it is distributed to member agencies.

U.S. Department of the Interior, Bureau of Reclamation (USBR) — Largest wholesaler of water and second largest supplier of hydroelectric power in the American West. Promotes water conservation, recycling, and reuse.

Vacancy Factor — A calculated reduction to the O&M labor budget that attempts to account for vacancies that occur within organizations throughout the year. Budgeted labor dollars assume that budgeted positions will be filled for the entire fiscal year (2,080 hours). However, positions routinely become vacant throughout Metropolitan for part of the year as staff transfer to other positions or leave employment in the company and time elapses during the recruitment period to refill the vacated positions.

WRSF — Water Rate Stabilization Fund. See Financial Policies for description.

WRM — Water Resource Management (group); an organization within Metropolitan that focuses on water resource planning and management, including conservation.

WSF — Water Stewardship Fund. See Financial Policies for description.

Water Supply Allocation Plan (WSAP) — This plan is intended to be implemented during periods of regional water shortages to promote conservation of scarce water supplies. The WSAP was created to approach limiting supplies in a manner that is regionally fair and minimizes impacts by establishing accurate and fair baselines for each of Metropolitan's 26 member agencies.

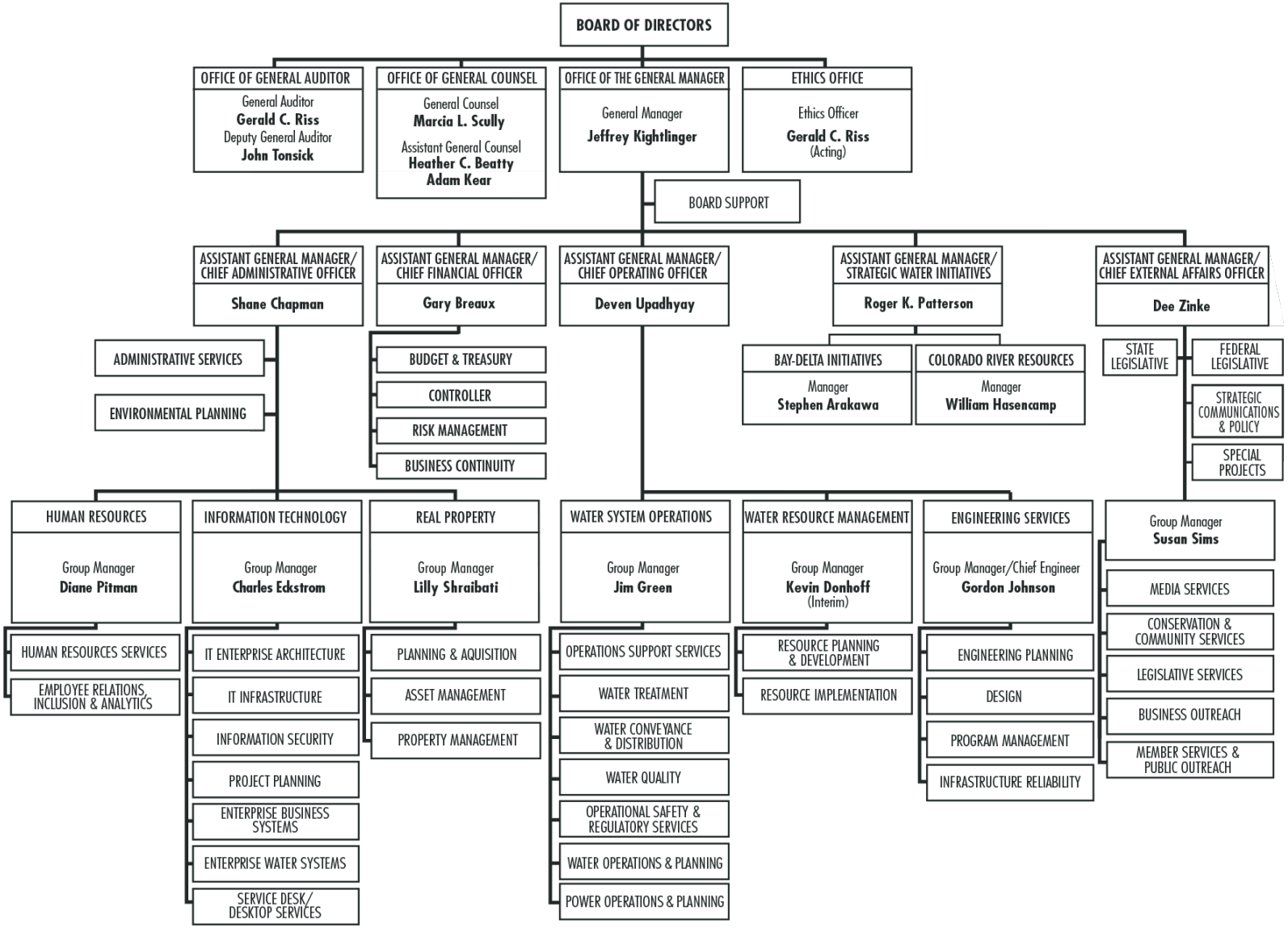
Water Supply Programs — Water transfer and storage programs that supplement Colorado River and State Water Project supplies.

Water Surplus Drought Management Plan (WSDM Plan) — This plan directs Metropolitan's resource operations to help attain the region's reliability goal. The WSDM Plan recognizes the interdependence of surplus and shortage actions and is a coordinated plan that utilizes all available resources to maximize supply reliability. The overall objective is to ensure that shortage allocation of Metropolitan's imported water supplies is minimized.

Working Capital — A measure of both a company's efficiency and its short–term financial health. The working capital ratio is calculated as: Working Capital = Current Assets - Current Liabilities.

WSO — Water System Operations (group); an organization within Metropolitan responsible for operating and maintaining Metropolitan's water conveyance, treatment, and distribution system and its appurtenant systems.

METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA

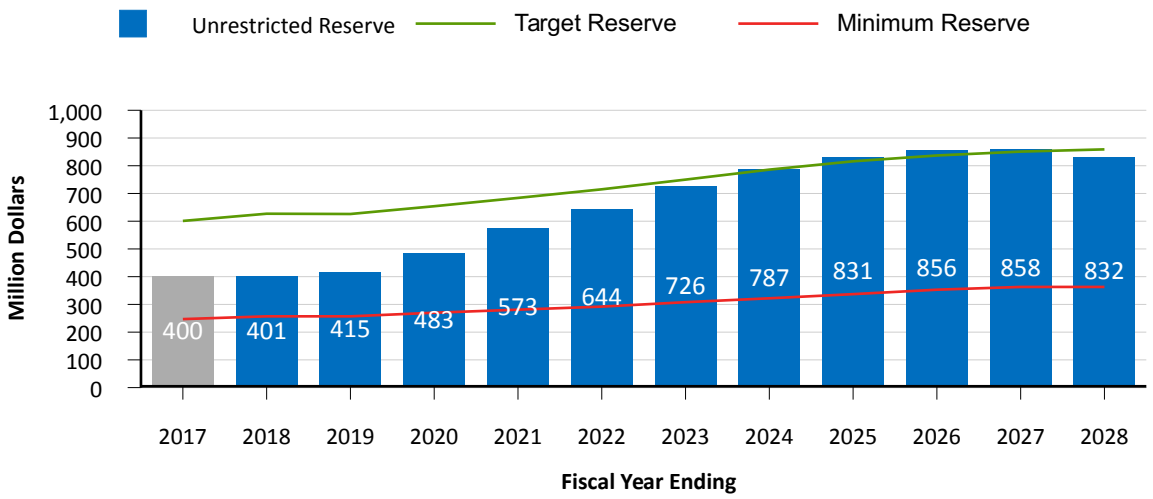


Updated as of January 25, 2018

TEN–YEAR FINANCIAL FORECAST

The ability to ensure a reliable supply of high quality water for Metropolitan's 26 member agencies depends on Metropolitan's ongoing ability to fund operations and maintenance, maintain and augment local and imported water supplies, fund replacements and refurbishment of existing infrastructure, and invest in system improvements. This ten–year forecast builds on the biennial budget to support long range resource, capital investment and operational planning. As such, it includes a forecast of future costs and the revenues necessary to support operations and investments in infrastructure and resources that are derived from Metropolitan's planning processes while conforming to Metropolitan's financial policies. These financial policies, which address reserve levels, financial indicators, and capital funding strategies, ensure sound financial management and fiscal stability for Metropolitan.

Projected Financial Indicators



Overall Rate Increase	**4.0%**	**4.0%**	**3.0%**	**3.0%**	**3.0%**	**3.0%**	**3.0%**	**3.0%**	**3.0%**	**3.0%**	**3.0%**	**3.0%**
Water Transactions * (MAF)	**1.54**	**1.55**	**1.65**	**1.75**	**1.80**	**1.80**	**1.80**	**1.80**	**1.80**	**1.80**	**1.80**	**1.80**
Rev. Bond Cvg	**1.6**	**1.5**	**1.6**	**1.9**	**2.1**	**2.1**	**2.1**	**2.1**	**2.2**	**2.1**	**2.2**	**2.2**
Fixed Chg Cvg	**1.4**	**1.4**	**1.5**	**1.7**	**1.9**	**1.8**	**1.7**	**1.6**	**1.6**	**1.5**	**1.4**	**1.3**
PAYGO, $M	**132**	**108**	**120**	**120**	**150**	**150**	**150**	**154**	**158**	**162**	**167**	**171**

* includes water sales, exchanges and wheeling

The figure above summarizes the financial metrics of the Ten–Year Financial Forecast. Metropolitan projects that the fixed charge coverage ratio will meet the board–established targets throughout the ten–year period. Revenue bond coverage will meet target beginning in FY 2020/21. Reserve levels will be above minimums as established by board policy; PAYGo expenditures are set at a level that is consistent with the board policy adopted in 2014 that 60 percent of the Capital Investment Plan (CIP) expenditures would be funded from

revenues; and projected rate increases are adequate to cover costs with moderate changes from one year to another.

The estimated overall rate increases result from increasing investments for the SWP and the California WaterFix, investments to maintain the conveyance and distribution system, and increasing operating and maintenance costs. Annual expenditures are expected to increase from $1.7 billion in FY 2018/19 to $2.4 billion by FY 2027/28, or an annual average increase of about 4 percent. Metropolitan's share of the costs for the California WaterFix is expected to increase to about $230 million by FY 2027/28. During this same period, capital investments are expected to be about $2.5 billion. To finance these capital investments, the ten–year forecast anticipates funding $1.5 billion of the CIP from water revenues or PAYGo. The balance of the CIP, or $1.0 billion, would be financed by issuing revenue bond debt, either fixed or variable.

Planning is necessary for Metropolitan to successfully fund the many investments necessary to meet the challenges facing the region over the next ten years with manageable rate increases. Among the more significant challenges are:

- Investing in the elements of the 2015 IRP Update to ensure reliable water supplies for Metropolitan's service area and preparing for uncertainty.
- Continuing to provide supply reliability through a diversified portfolio of actions to stabilize and maintain imported supplies.
- Meeting future growth through increased water conservation and the development of new local supplies, while protecting existing supplies, to achieve higher retail water use efficiency, in compliance with state policy.
- Pursuing a comprehensive transfer and exchange strategy.
- Building storage in wet and normal years to manage risks and drought.
- Funding an estimated $2.5 billion capital program that provides projects meeting water quality, reliability, stewardship and information technology directives.
- Funding Metropolitan's share of the California WaterFix.

ASSUMPTIONS FOR THE TEN–YEAR FORECAST

The following table summarizes key assumptions that underlie the ten–year forecast.

Fiscal Year Ending	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
Water Transactions, MAF *	1.65	1.75	1.80	1.80	1.80	1.80	1.80	1.80	1.80	1.80
CRA diversions, TAF	838	916	917	898	891	894	894	884	880	876
SWP allocation, %	50%	50%	50%	50%	50%	50%	50%	50%	50%	50%
CIP, $M	200	200	250	250	250	257	264	271	278	286
PAYGO, $M	120	120	150	150	150	154	158	162	167	171
Conservation, $M	43	43	43	43	43	43	43	43	43	43
CA Water Fix, $M	4	13	25	42	66	97	128	159	193	230
Inflation, %	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%
Interest on investments, %	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%
Interest rate, fixed bonds, %	4.50%	4.50%	4.50%	4.50%	4.50%	4.50%	4.50%	4.50%	4.50%	4.50%
Interest rate, variable bonds, %	1.70%	1.70%	1.70%	1.70%	1.70%	1.70%	1.70%	1.70%	1.70%	1.70%

* includes water sales, exchanges and wheeling

Metropolitan's principal sources of water supplies are the SWP and the Colorado River. Metropolitan receives water delivered from the SWP under State Water Contract (SWC) provisions, including contracted supplies, use of carryover storage in San Luis Reservoir, and surplus supplies. Metropolitan holds rights to a basic apportionment of Colorado River water and has priority rights to an additional amount depending on availability of surplus supplies. The Supply Programs supplement these SWP and Colorado River supplies. The SWP and Colorado River sources derive from two different hydrologic regions, which have helped buffer shortages. The ten–year forecast assumes an average hydrology on both regions. Together with Metropolitan's Supply Programs, dry periods in either region can be managed.

The CIP has been reviewed to maintain affordability throughout the ten–year period, reduce debt service, and provide headroom to absorb the additional costs of the California WaterFix. CIP projects have been carefully reviewed, scored and ranked to continue the ability to deliver water reliably and safely while meeting all regulatory requirements .

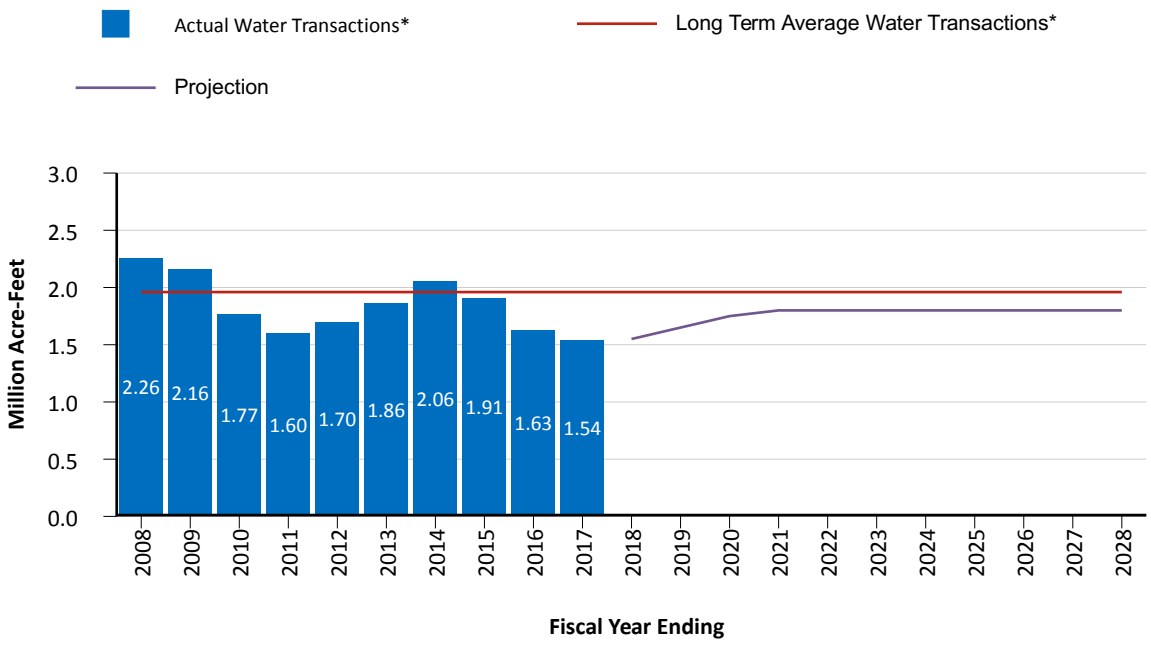
The inflation factor is based on forecasts by economists and is applied to Metropolitan's O&M expenses, such as chemicals, but excluding labor and additives, which are based on the MOUs. The interest rate applicable to Metropolitan's investment portfolio is based on an analysis of the current forward curve for investments over a ten–year period. This interest rate forecast informs the interest rate applicable to variable rate bonds. The interest rate for fixed rate bonds is also based on forecasts.

FORECAST OF WATER TRANSACTIONS

Revenues from water transactions provide approximately 80 percent of the revenues necessary to support Metropolitan's capital and operating costs. The 2015 IRP Update and recent recalibrations by Water Resource Management provides the basis for the water transactions forecast over the ten years. It is expected that demand for Metropolitan supplies will increase over the ten–year period, from 1.65 million acre–feet in 2018/19 to 1.80 million acre–feet by 2027/28. This forecast includes the San Diego County Water Authority exchange agreement (exchange agreement) water deliveries. The 2015 IRP Update contemplates continued investment in local resources and retail and regional conservation measures to meet state policy regarding water use efficiency. Under the 2015 IRP Update, conservation and water efficiency initiatives will result in reductions of regional water use to the targets, which reflect efforts to meet state policy to reduce per capita retail water use by 20 percent by 2020. Local resource augmentation will result in additional local supply, including production already anticipated from existing programs. These local supplies and increased conservation and water use efficiency reduce the need for Metropolitan to import additional water.

The figure below shows historic and forecast water transactions, including the exchange agreement water and wheeling. Long–term, Metropolitan's water transactions have averaged just under 2.0 million acre–feet. As noted above, expected water transactions are forecast to be below this average at 1.80 million acre–feet by 2027/28.

Water Transactions, MAF



* includes water sales, exchanges and wheeling

SOURCES OF FUNDS

Revenues

Through 2027/28, revenues from rates and charges, which include the RTS, Capacity Charge and water revenues, collected from the member agencies will account for approximately 91 percent of total revenues. Total revenues are projected to increase from about $1.7 billion in 2018/19 to $2.4 billion in 2027/28. This increase is almost entirely attributed to increases in water rates and charges.

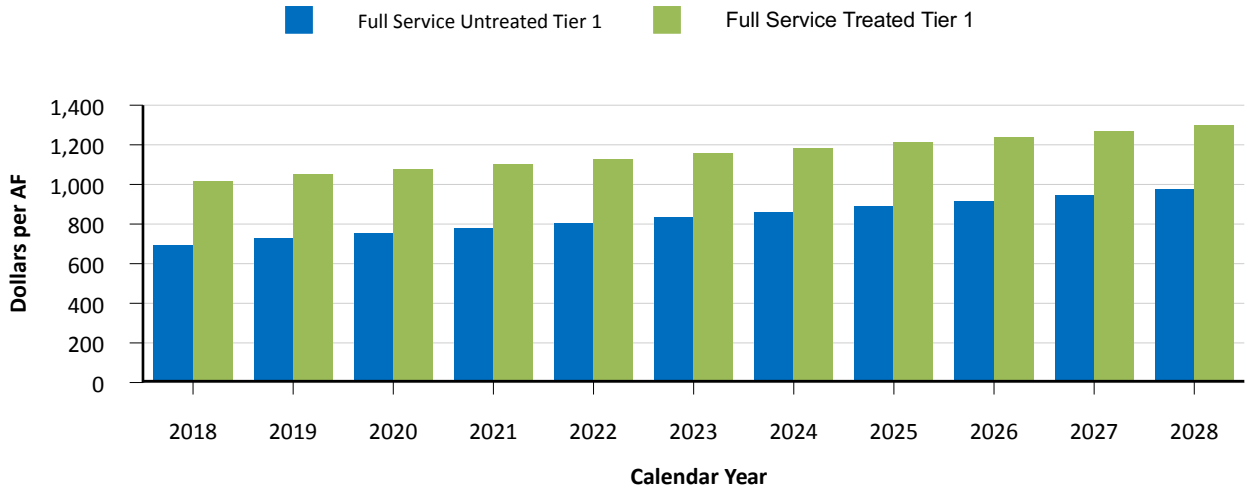
Water Rates and Charges

The table below shows the estimated unbundled water rates and charges under the current rate structure. Components of the rate structure may increase at different rates depending on the costs recovered. The full–service treated Tier 1 water rate is estimated to be approximately $1,297 per acre–foot by January 1, 2028, compared to $1,015 per acre–foot on January 1, 2018, an average increase of 2.5 percent per year over the ten-year period.

Rates & Charges Effective January 1st	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
Tier 1 Supply Rate ($/AF)	$209	$209	$208	$221	$229	$236	$242	$248	$256	$264	$271
Tier 2 Supply Rate ($/AF)	$295	$295	$295	$295	$295	$295	$295	$295	$295	$295	$295
System Access Rate ($/AF)	$299	$326	$346	$349	$365	$382	$399	$418	$434	$453	$472
Water Stewardship Rate ($/AF)	$55	$69	$65	$65	$65	$65	$65	$65	$65	$65	$65
System Power Rate ($/AF)	$132	$127	$136	$146	$148	$153	$154	$158	$161	$163	$166
Full Service Untreated Volumetric Cost ($/AF)											
Tier 1	$695	$731	$755	$781	$807	$836	$860	$889	$916	$945	$974
Tier 2	$781	$817	$842	$855	$873	$895	$913	$936	$955	$976	$998
Exchange	$486	$522	$547	$560	$578	$600	$618	$641	$660	$681	$703
Full Service Treated Volumetric Cost ($/AF)											
Tier 1	$1,015	$1,050	$1,078	$1,104	$1,130	$1,159	$1,183	$1,212	$1,239	$1,268	$1,297
Tier 2	$1,101	$1,136	$1,165	$1,178	$1,196	$1,218	$1,236	$1,259	$1,278	$1,299	$1,321
Readiness-to-Serve Charge ($M)	$140	$133	$136	$144	$152	$155	$168	$177	$190	$202	$216
Capacity Charge ($/cfs)	$8,700	$8,600	$8,800	$9,400	$9,900	$10,700	$11,400	$11,500	$11,900	$12,000	$12,000

The following figure shows the volumetric cost per acre–foot for Tier 1 Full Service untreated water and Tier 1 Full Service treated water.

Volumetric Cost, $ AF



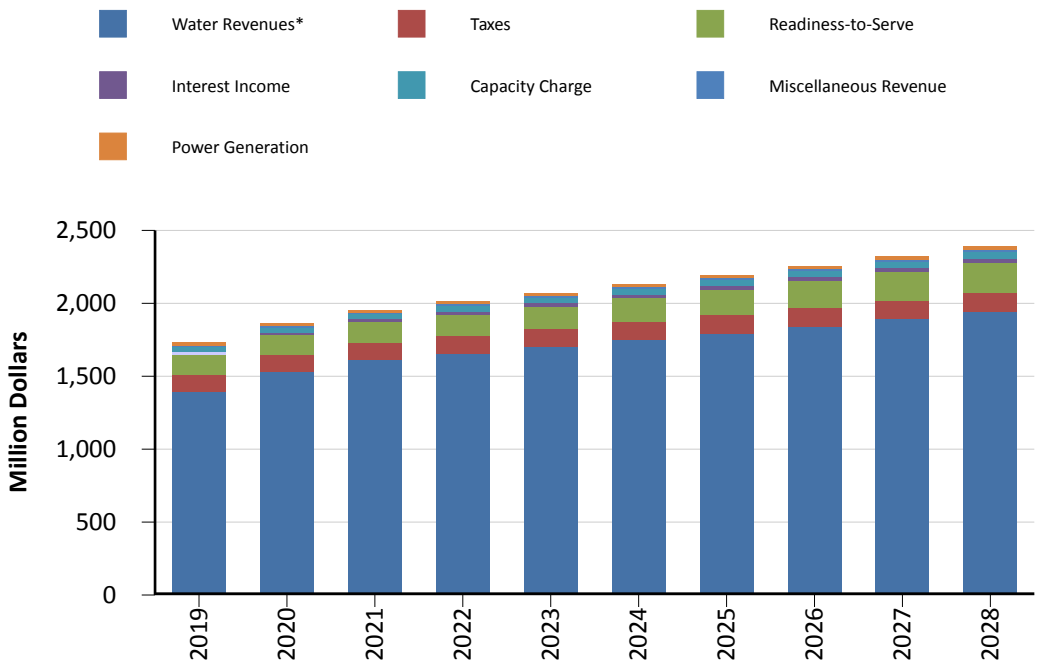
Property tax revenue is expected to increase from $116.6 million in FY 2018/19 to $131.2 million in FY 2027/28. This projection assumes the Board maintains the ad valorem tax rate at .0035 percent of assessed valuations, by suspending the limit under MWD Act Section 124.5, and assessed value increases by 2.5 percent per year. By FY 2027/28 almost all of the revenues are used to pay State Water Contract costs.

Power sales from Metropolitan's hydroelectric power recovery plants and the CRA are projected to average about $20.1 million per year over this ten–year period. Metropolitan has 16 small hydroelectric plants on its distribution system. These revenues are dependent on the amount of water that flows through Metropolitan's distribution system and the price paid. Power from some of the plants is sold under existing contracts that are priced higher compared to the prices currently being offered for renewable power. CRA Revenues derive from the management of loads and resources on the CRA; energy not needed to meet hourly CRA loads is sold into the CAISO.

Interest income is projected to increase from $16.9 million in FY 2018/19 to $28.1 million in FY 2027/28 as a result of increased balances and higher average returns of 1.5 percent from FY 2018/19 to FY 2027/28. Metropolitan earns interest on invested fund balances and uses this income to reduce the costs that must be recovered through rates and charges. These invested funds also act as a partial hedge against changes in interest rates on Metropolitan's variable rate debt obligations. Interest income will vary over the ten–year forecast period as interest rates and cash balances available for investments will fluctuate. Miscellaneous income includes items like leases and late fees and is forecasted to increase from $11.1 million in FY 2018/19 to $14.2 million in FY 2027/28.

Forecasted revenues by major category are shown in the figure below.

Revenue Forecast, $ millions



* includes revenues from water sales, exchanges and wheeling

Other Funding Sources

Other sources of funds include withdrawals from bond construction funds, Refurbishment and Replacement (R&R) Fund, General Fund, Water Stewardship Fund (WSF), Treatment Surcharge Stabilization Fund (TSSF), Water Rate Stabilization Fund (WRSF), and the Revenue Remainder Fund.

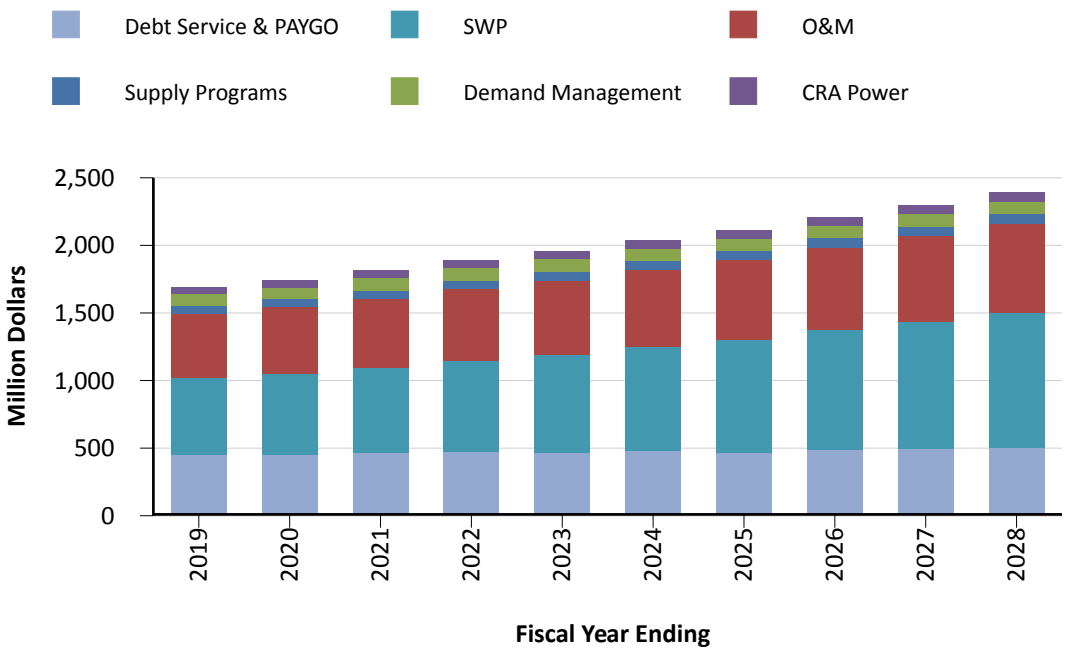
USES OF FUNDS

Over the next ten years, total annual expenditures are projected to range from $1.7 billion to $2.4 billion.

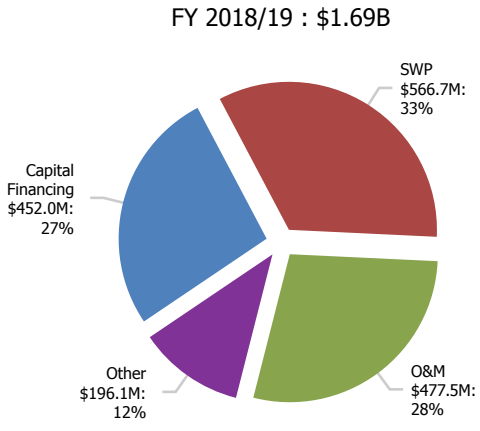
Expenses

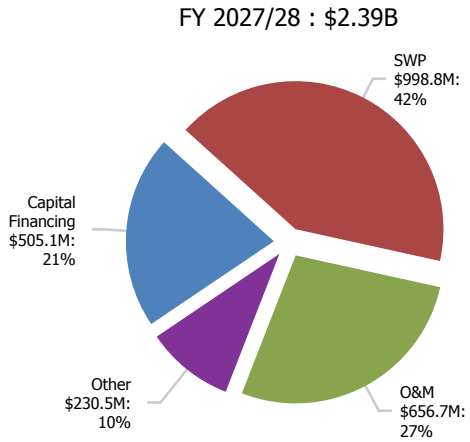
Expenses are grouped into six major categories: SWP, O&M, demand management programs, CRA power costs, supply programs, and capital financing. The first figure below illustrates the general trends in expenses over the ten–year period from FY 2018/19 to FY 2027/28. The second figure following shows the comparison of FY 2018/19 to FY 2027/28 in terms of the contribution of expenses to the total.

Expenditure Forecast, $ millions



Expenditure Forecast, Contribution by Major Area





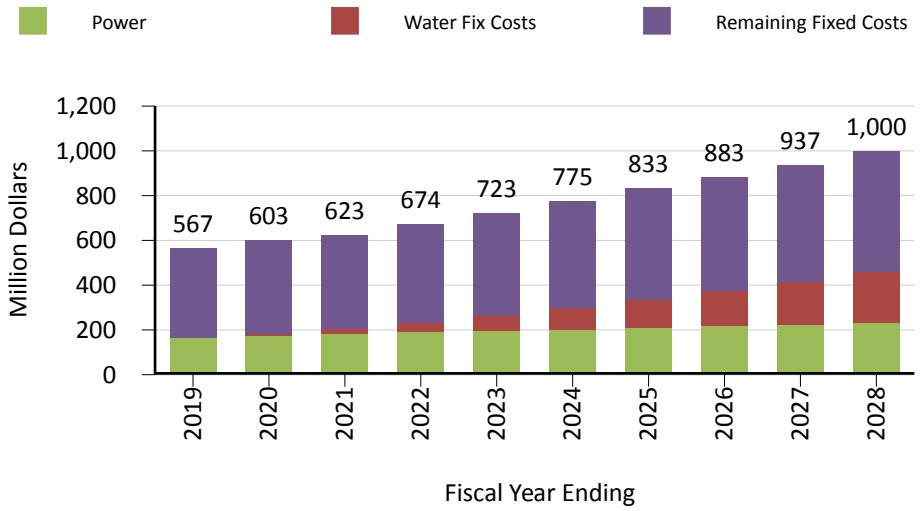
State Water Project

Metropolitan is one of 29 agencies that contract with the State of California for service from the SWP. Metropolitan is obligated to pay its share of the capital and minimum operations, maintenance, power, and replacement charges of the SWP regardless of the amount of water actually received. In addition, Metropolitan pays the power costs to convey the water. The ten–year forecast assumes that SWC annual costs, including power, will increase from $567 million in FY 2018/19 to $999 million in 2027/28, as shown in the figure below. SWC costs account for 33% percent of Metropolitan's expenditures in FY 2018/19, growing to 42% percent in FY 2027/28, primarily due to the California Water Fix costs. These costs account for $230 million in FY 2027/28. Benefits from the California Water Fix are realized outside the ten–year period of the forecast, as are operations, maintenance and energy costs. The remainder of the fixed costs is based upon information provided by the Department of Water Resources, and is associated with Transportation Capital and Minimum Operations & Maintenance, and the Delta Water Supply Capital and Minimum Operations & Maintenance. Variable SWP power costs are projected to gradually increase over the ten–year period.

Power costs will vary depending on the price of electricity, total system deliveries, storage operations, and the amount of water pumped on the SWP. SWP variable power costs are projected to increase about 4.1% percent per year over the ten–year forecast period. Increasing costs affecting the SWP include the cost of emissions allowances, adding renewable energy to the SWP power portfolio, and using the California Independent System Operator grid to transmit power from generation sources to the SWP load locations. The SWP owns generating resources, including the Hyatt complex, recovery generation units on the Aqueduct, and a contract for power from the Kings River Conservation District's Pine Flat generating facility. The SWP is a participant in the Lodi Energy Center, a natural gas–fired combined cycle generating facility located in Lodi, California, and operated by the Northern California Power Agency. The SWP has acquired renewable resources. Additional resources necessary to meet the balance of the project's energy requirements are obtained from the wholesale energy market, which exposes the SWP to wholesale energy market price volatility. Net flows through the SWP that incur power are expected to average about 1.0 MAF per year.

The total SWC costs are shown in the figure below. The SWP is described under the Non-Departmental Budgets section of the Biennial Budget.

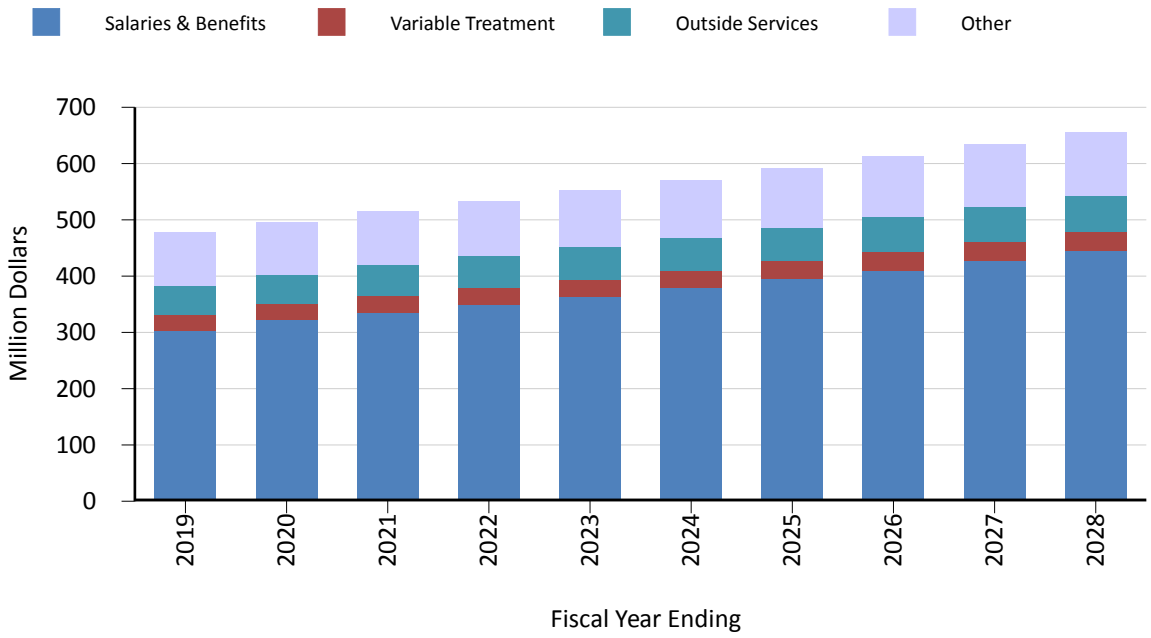
SWP Forecast, $ millions



Operations and Maintenance

O&M costs in FY 2027/28 are projected to be $657 million. This represents an average annual increase of 3.6 percent from FY 2018/19. During this time frame, inflation is assumed to be 2.5 percent. The ten–year forecast assumes Metropolitan continues to fully fund the annual required contribution to meet future retiree medical costs (Other Post–Employment Benefits, or OPEB) and retirement benefits.

O&M Forecast, $ millions



Demand Management

Demand management costs include funding for the Local Resource Programs (LRP) and the Conservation Credit Program (CCP) and are projected to increase from $89.1 million in FY 2018/19 to $93.3 million in FY 2027/28. The LRP costs are projected to be fairly flat over the ten–year period at about $47.0 million per year. As the yield from existing LRP projects receiving incentives decreases, new projects are expected to receive funding. The CCP costs are projected to remain flat through the remainder of the ten–year period at $43 million per year. This program provides continued funding of residential, commercial, outdoor conservation programs, and conservation messaging.

Demand Management programs are described under the Non-Departmental Budgets section of the Biennial Budget.

CRA Power Costs

CRA Power costs are projected to increase from $45.8 million in FY 2018/19 to $66.6 million in FY 2027/28. Power costs will vary depending on the price of electricity, Metropolitan's resource portfolio to meet electricity needs, storage operations, and the amount of water pumped on the CRA.

Colorado River diversions are expected to average about 890 TAF over the ten–year period, slightly more than deliveries as water is stored.

Power costs are described under the Non-Departmental Budgets section of the Biennial Budget.

Supply Programs

Supply programs increase slightly over the ten–year period from $61.2 million in FY 2018/19 to $70.5 million in FY 2027/28. The estimates represent expenditures for expected conditions. If extreme weather conditions are experienced, these cost estimates could be much higher or lower. If higher than normal demand is coupled with lower than normal supply, supply program costs could be significantly higher.

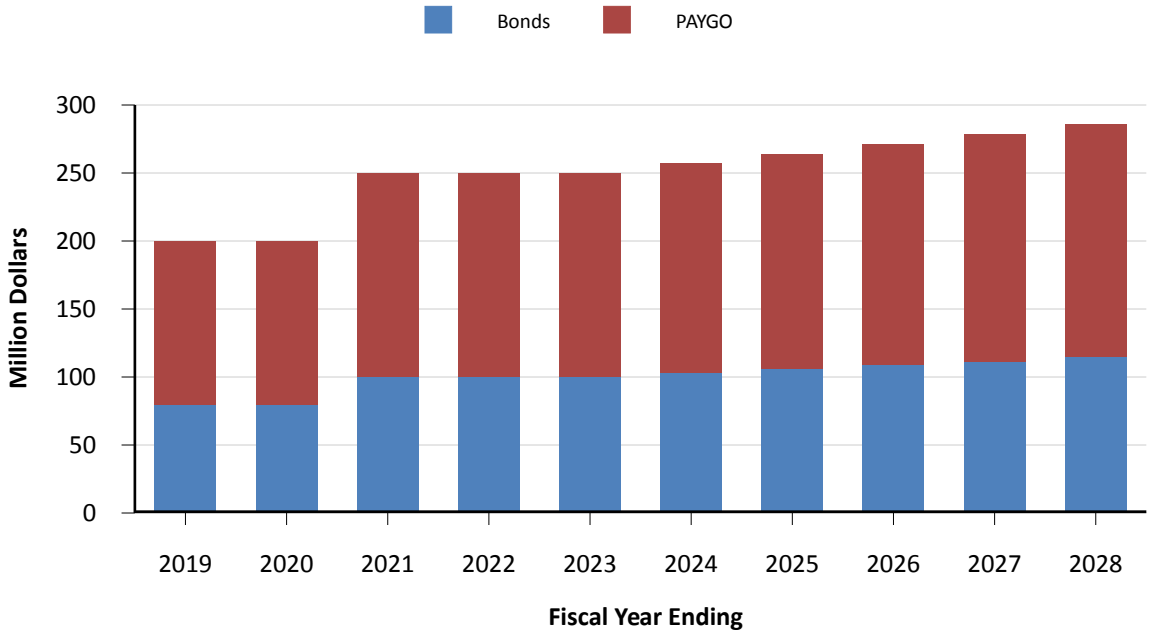
A description of Metropolitan's Supply Programs is provided under the Non-Departmental section of the Biennial Budget.

Capital Investment Plan

The ten–year projected CIP through FY 2027/28 is estimated at $2.5 billion. The CIP continues to reflect the deferral of facility expansion projects. The CIP focuses on projects that enhance reliability while focusing on necessary refurbishment and replacement of aging infrastructure and compliance with regulatory requirements. Accordingly, the O&M impact from the resulting CIP is negligible. Without this emphasis on repair and replacement of aging facilities O&M expenses could potentially be much higher.

The following figure shows the funding source for the ten–year CIP.

CIP Ten–Year Forecast and Funding Sources, $ millions



Capital Financing Options

The CIP will be funded from a combination of bond proceeds and operating revenues. In order to mitigate increases in water rates, provide financial flexibility, and support Metropolitan's high credit ratings including maintaining revenue bond debt service and fixed charge coverage ratios, it is anticipated that 60 percent of the CIP will be funded from current revenues, or PAYGo. This level of PAYGo funding is appropriate given that a significant portion of future CIP projects has been identified as R&R projects. This level of PAYGo also helps ensure that Metropolitan meets its coverage targets by generating a margin of revenues over operating and debt expenditures. The additional revenue required to meet Metropolitan's revenue bond debt service coverage target of 2.0 times and fixed charge coverage of 1.2 times is available to fund the CIP. PAYGo funding throughout the ten–year horizon of the planning period ensures that current customers are always contributing funds towards the capital investments they are benefiting from, and not deferring these costs entirely to future generations of ratepayers.

Bond funded expenditures may include a combination of variable and fixed rate debt. Debt has been structured to mitigate near–term rate impacts and smooth out long–term debt service. The principal advantage of variable rate debt is the opportunity for a lower interest cost. Normally, short–term interest rates are lower than long–term interest rates for debt of comparable credit quality. If interest rates remain constant, Metropolitan will generally have significantly lower interest costs on variable rate debt than on fixed rate debt, even after remarketing and liquidity facility costs. Also, if interest rates decline, Metropolitan will benefit from lower interest costs without the necessity or cost of a refunding. If interest rates rise, variable rates could stay lower than the fixed rate originally avoided, and the longer the variable rate debt is outstanding at favorable spreads, the higher the break–even point becomes on fixed rate debt. Variable rate debt is used to mitigate interest costs over the long term, and provides a natural hedge against changes in investment earnings: when interest rates are high, interest costs on variable rate debt is higher but so are earnings from Metropolitan's investment portfolio. When interest rates are low, interest earnings are lower, but so are variable rate interest costs.

Typically, fixed rate bonds are only redeemable a given number of years after their issuance. Variable rate debt, on the other hand, is generally redeemable on any interest payment or reset date.

However, variable rate debt does have risks. These risks include:

- Rising interest rates. Because future interest rates are unknown, the costs of capital improvements financed with variable rate debt are more difficult to estimate for revenue planning purposes. Significant interest rate increases could cause financial stress.

- Liquidity facility renewal risk. Variable rate debt normally requires a liquidity facility to protect the investors and issuers against "puts" of a large portion or all of the debt on a single day. Liquidity facilities generally do not cover the full term of the debt. If an issuer's credit declines or the liquidity facility capacity is not available, the issuer runs the risk of not being able to obtain an extension or renewal of the expiring liquidity facility. In that event, the issuer may have to retire the debt or convert it to fixed rate debt.

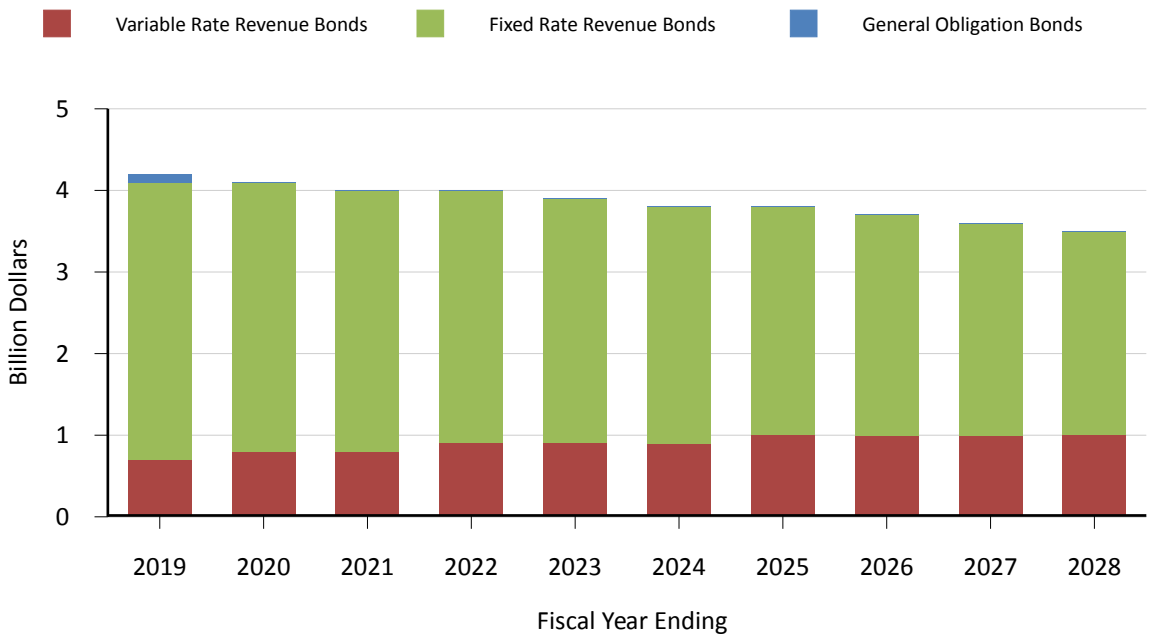
In the last several years, Metropolitan has issued self–liquidity debt. Metropolitan is irrevocably committed to purchase all self–liquidity bonds tendered pursuant to any optional or mandatory tender to the extent that remarketing proceeds are insufficient and no standby bond purchase agreement or other liquidity facility is in effect. Metropolitan's obligation to pay the purchase price of any tendered self–liquidity bonds is an unsecured, special limited obligation of Metropolitan payable from net operating revenues. In addition, Metropolitan's investment policy permits it to purchase tendered self–liquidity bonds as an investment for its investment portfolio. So, while Metropolitan is only obligated to purchase tendered self–liquidity bonds from net operating revenues, it may use the cash and investments in its investment portfolio to purchase tendered self–liquidity bonds. Metropolitan has not secured any liquidity facility or letter of credit to pay the purchase price of any tendered self–liquidity bonds; however, Metropolitan has entered into revolving credit agreements with which it may make borrowings for the purpose of paying the purchase price of self–liquidity bonds.

Debt Financing

It is anticipated that there will be about $2.5 billion of capital expenditures over the ten–year period. Of this, $1.0 billion, or 40 percent of future capital expenditures, are anticipated to be funded by debt proceeds. Outstanding debt, including revenue and GO bonds, as of December 31, 2017 is $4.3 billion. The net position of Metropolitan at June 30, 2017 was $6.8 billion. Metropolitan may not have outstanding revenue bond debt in amounts greater than 100 percent of its equity. As of June 30, 2017, the debt to equity ratio was 64 percent.

Total outstanding debt is illustrated below. Total outstanding debt is estimated to be $3.5 billion by FY 2027/28, approximately 20 percent lower than the current level.

Outstanding Debt, $ billions

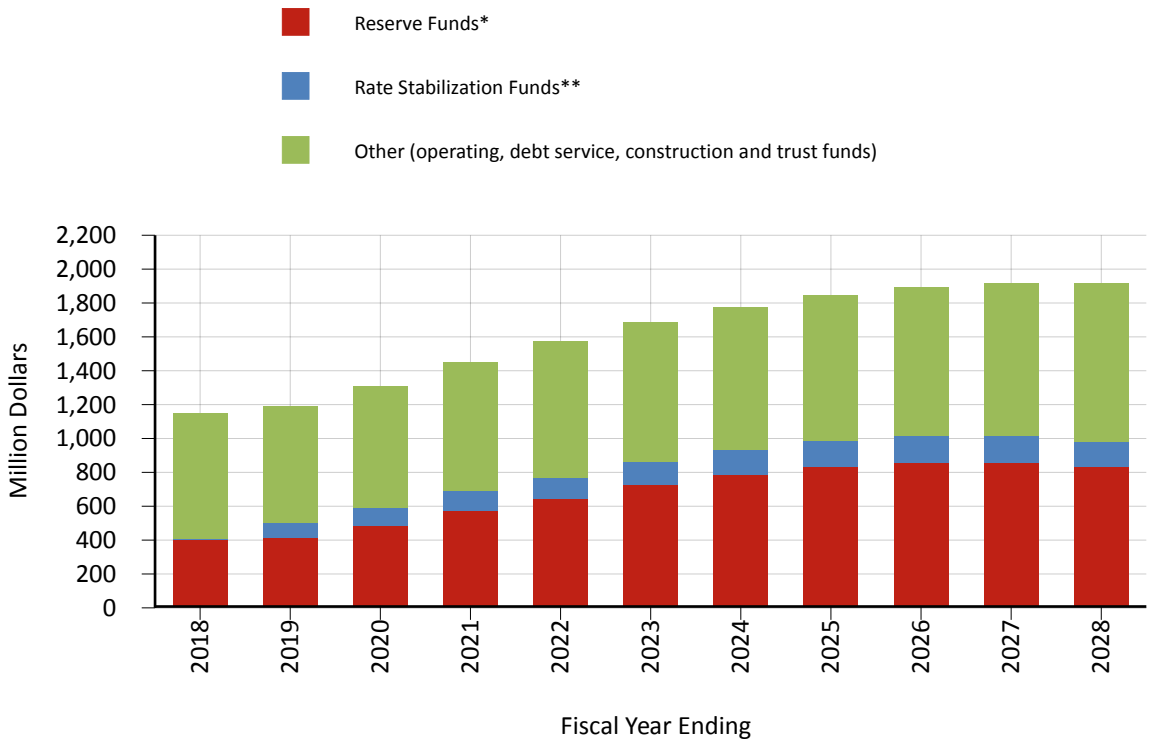


Metropolitan's variable rate debt as a percentage of total revenue bond debt is projected to increase to 30% percent over this time period as fixed rate debt is retired and new variable rate debt is issued. The appropriate amount of variable rate debt will continue to be monitored and adjusted depending on market rates, financing needs, available short–term investments, and fund levels in the investment portfolio with which variable interest rate exposure can be hedged. GO bond debt will decrease as voter approved indebtedness matures.

FUND BALANCES AND RESERVES

As shown in the figure below, over the next ten years total fund balances are projected to increase to $1.9 billion in FY 2027/28.

End of Year Fund Balances, $ millions



* Includes Water Rate Stabilization Fund and Revenue Remainder Fund.

** Includes Water Stewardship Fund and Treatment Surcharge Stabilization Fund.

FINANCIAL RATIOS

Revenue bond debt service coverage is one primary indicator of credit quality, and is calculated by dividing net operating revenues by debt service. Revenue bond debt service coverage measures the amount that net operating revenues exceed or "cover" debt service payments over a period of time. Higher coverage levels are preferred since they indicate a greater margin of protection for bondholders. For example, a municipality with 2.0 times debt service coverage has twice the net operating revenues required to meet debt service payments. The ten–year forecast projects that Metropolitan's revenue bond coverage ratio achieves 2.0 times by FY 2020/21. Metropolitan's minimum coverage policy is vital to continued strong credit ratings and low cost bond funding.

In addition to revenue bond debt service coverage, Metropolitan also measures total coverage of all fixed obligations after payment of operating expenditures. This additional measure is used primarily because of Metropolitan's recurring capital costs for the State Water Contract. Rating agencies expect that a financially sound utility consistently demonstrate an ability to fund all recurring costs, whether they are operating expenditures, debt service payments or other contractual payments. The ten–year forecast projects that

Metropolitan's fixed charge coverage ratio is at least 1.2 times over the ten–year period. These levels help maintain strong credit ratings and access to the capital markets at low cost, and provides PAYGo funding for the CIP.

Ten–Year Financial Forecast, Sources and Uses of Funds, $ millions

Fiscal Year Ending	2019 Proposed	2020 Proposed	2021 Forecast	2022 Forecast	2023 Forecast	2024 Forecast	2025 Forecast	2026 Forecast	2027 Forecast	2028 Forecast
SOURCES OF FUNDS										
Revenues										
Taxes	116.6	118.1	119.5	120.9	122.4	123.8	125.3	126.7	128.2	131.2
Interest Income	16.9	18.1	20.0	22.0	23.8	25.3	26.6	27.4	28.0	28.1
Hydro Power	20.9	19.1	19.4	19.8	20.4	19.9	19.2	19.8	21.2	21.7
Fixed Charges (RTS & Capacity Charge)	170.3	165.8	172.7	182.7	190.5	201.2	213.6	225.5	238.9	252.1
Water Revenues (1)	1,395.5	1,528.5	1,613.3	1,655.7	1,702.8	1,749.3	1,794.6	1,842.9	1,890.6	1,940.5
Miscellaneous Revenue	11.1	11.5	11.9	12.2	12.5	12.8	13.2	13.6	13.9	14.2
Bond Proceeds	79.4	79.4	99.3	99.3	99.3	99.3	99.3	109.2	109.2	119.2
Sub-total Revenues	**1,810.8**	**1,940.4**	**2,056.1**	**2,112.6**	**2,171.8**	**2,231.7**	**2,291.7**	**2,365.2**	**2,430.1**	**2,507.0**
Fund Withdrawals										
R&R and General Fund	120.0	120.0	150.0	150.0	150.0	154.0	158.0	162.0	167.0	171.0
Bond Funds for Construction	0.6	0.6	0.7	0.7	0.7	3.5	6.4	—	1.9	—
Water Stewardship Fund	13.6	—	5.1	5.3	4.3	4.7	5.1	5.4	6.0	6.4
Treatment Surcharge Stabilization Fund	—	—	—	—	—	—	—	—	—	2.5
Decrease in Water Rate Stabilization Fund	—	—	—	—	—	—	—	—	7.6	26.6
Sub-total Fund Withdrawals	**134.1**	**120.6**	**155.8**	**156.0**	**155.0**	**162.2**	**169.5**	**167.4**	**182.5**	**206.5**
TOTAL SOURCES OF FUNDS	**1,944.9**	**2,060.9**	**2,211.9**	**2,268.6**	**2,326.8**	**2,393.8**	**2,461.2**	**2,532.6**	**2,612.6**	**2,713.5**
Water Transactions* (MAF)	**1.65**	**1.75**	**1.80**	**1.80**	**1.80**	**1.80**	**1.80**	**1.80**	**1.80**	**1.80**

Totals may not foot due to rounding.

(1) includes revenues from water sales, exchanges, and wheeling

Fiscal Year Ending	2019 Proposed	2020 Proposed	2021 Forecast	2022 Forecast	2023 Forecast	2024 Forecast	2025 Forecast	2026 Forecast	2027 Forecast	2028 Forecast
USES OF FUNDS										
Expenses										
State Water Contract	566.7	602.5	623.5	674.1	723.8	775.1	832.3	882.4	937.3	998.8
Supply Programs	61.2	54.4	59.0	60.1	63.9	64.8	66.5	68.2	69.3	70.5
Colorado River Power	45.8	52.9	56.8	56.9	58.0	59.6	62.5	63.7	64.7	66.6
Debt Service	332.0	330.9	317.3	322.8	316.0	322.1	310.4	328.1	330.7	334.1
Demand Management	89.1	85.8	93.0	93.0	93.0	93.1	93.1	93.2	93.2	93.3
Departmental O&M	441.9	461.7	478.4	495.8	513.8	532.4	551.8	571.9	592.7	614.4
Treatment Chemicals, Sludge & Power	27.1	27.7	29.1	29.8	30.4	31.0	31.7	32.4	33.1	33.8
Other O&M	8.5	7.0	7.1	7.3	7.5	7.7	7.9	8.1	8.3	8.5
Sub-total Expenses	**1,572.2**	**1,623.0**	**1,664.2**	**1,739.7**	**1,806.3**	**1,885.9**	**1,956.2**	**2,048.0**	**2,129.3**	**2,220.0**
Capital Investment Plan	200.0	200.0	250.0	250.0	250.0	256.8	263.7	270.8	278.1	285.6
Fund Deposits										
R&R and General Fund	120.0	120.0	150.0	150.0	150.0	154.0	158.0	162.0	167.0	171.0
Revenue Bond Construction	—	—	—	—	—	—	—	0.4	—	4.5
Water Stewardship Fund	—	4.8	—	—	—	—	—	—	—	—
Treatment Surcharge Stabilization Fund	6.6	16.5	14.3	12.4	18.1	16.0	16.9	8.6	2.8	—
Interest for Construction & Trust Funds	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.2	0.3
Increase in Required Reserves	31.6	41.3	55.3	55.7	35.2	35.0	37.0	32.9	35.2	32.0
Increase in Water Rate Stabilization Fund	14.2	55.2	77.9	60.5	66.9	45.9	29.1	9.7	—	—
Sub-total Fund Deposits	**172.7**	**238.0**	**297.7**	**278.8**	**270.5**	**251.2**	**241.3**	**213.9**	**205.2**	**207.8**
TOTAL USES OF FUNDS	**1,944.9**	**2,060.9**	**2,211.9**	**2,268.6**	**2,326.8**	**2,393.8**	**2,461.2**	**2,532.6**	**2,612.6**	**2,713.5**

Totals may not foot due to rounding.

Ten–Year Financial Forecast, Coverage Ratios and Fund Balances, $ millions

Fiscal Year Ending	2019 Proposed	2020 Proposed	2021 Forecast	2022 Forecast	2023 Forecast	2024 Forecast	2025 Forecast	2026 Forecast	2027 Forecast	2028 Forecast
RATIOS										
Fixed Charge Coverage	1.5	1.7	1.9	1.8	1.7	1.6	1.6	1.5	1.4	1.3
Revenue Bond Coverage	1.6	1.9	2.1	2.1	2.1	2.1	2.2	2.1	2.2	2.2
Var. Rate Debt as % of Rev. Bond Debt	18.1%	19.1%	21.2%	22.2%	23.4%	24.1%	25.5%	27.1%	28.4%	29.8%
RESTRICTED FUNDS EOY balance										
General Fund	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
Other	613.6	642.0	685.1	729.5	748.7	766.2	781.8	799.9	823.7	860.5
Sub-total Restricted Funds	683.6	712.0	755.1	799.5	818.7	836.2	851.8	869.9	893.7	930.5
UNRESTRICTED FUNDS EOY balance										
Reserve Funds (1)	415.2	483.0	572.6	644.0	726.4	786.7	831.0	856.2	858.4	831.7
Treatment Surcharge Stabilization Fund	14.8	31.3	45.6	58.0	76.1	92.1	109.0	117.6	120.4	117.9
Water Stewardship Fund	69.8	74.5	69.4	64.2	59.8	55.1	50.0	44.6	38.6	32.3
R&R Fund	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8
Sub-total Unrestricted Funds	506.6	595.6	694.3	772.9	869.1	940.6	996.8	1,025.2	1,024.2	988.7
TOTAL FUNDS	**1,190.2**	**1,307.5**	**1,449.4**	**1,572.3**	**1,687.8**	**1,776.9**	**1,848.7**	**1,895.1**	**1,917.8**	**1,919.2**

Totals may not foot due to rounding.

(1) includes Water Rate Stabilization Fund and Revenue Remainder Fund.

Metropolitan Water District of Southern California

FISCAL YEARS 2018/19 and 2019/20 COST OF SERVICE REPORT FOR PROPOSED WATER RATES AND CHARGES

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EXECUTIVE SUMMARY

Metropolitan's current rate design was adopted by its Board of Directors in October 2001 through a lengthy and open process. The rate structure is designed in accordance with the Rate Structure Action Plan of December 12, 2000; the Composite Rate Structure framework of April 11, 2000; the Strategic Plan Policy Principles of December 14, 1999; and the Strategic Plan Steering Committee Guidelines of January 6, 2000. The Board adopted the rate structure on October 16, 2001. This report describes the rate structure in detail including the cost of service process that supports the proposed rates and charges for calendar years 2019 and 2020, which are based on the Proposed Biennial Budget for Fiscal Years 2018/19 and 2019/20 prepared for the Board and committee meetings scheduled in February 2018 (the "Biennial Budget").

The rate structure supports the strategic planning vision that Metropolitan is a regional provider of services, encourages the development of additional local supplies through programs such as recycling and conservation and accommodates a water transfer market. Through its regional services, Metropolitan ensures a baseline of reliability and quality for imported water deliveries in its service area. By unbundling its full-service water rate, Metropolitan provides transparency regarding its costs and a greater opportunity for member agencies to competitively manage their supplies and demands to meet future needs in a responsible and cost-effective manner.

Objectives

In accordance with the Strategic Plan Policy Principles, the rate structure is designed to accomplish the following:

Accountability. Define the linkage among costs, charges, and benefits through a cost of service approach consistent with industry guidelines.

Regional Provider. Ensure that regional services are provided to meet the existing and growth needs of member agencies.

Equity. Ensure that users, including member agencies and other entities, pay the same rates and charges for like classes of services and provide fair and reasonable allocation of costs through rates and charges.

Environmental Responsibility. Encourage wise environmental stewardship and effective demand management by funding conservation and recycling projects and programs, and using pricing to encourage investments in conservation and recycling and other economical local supplies.

Choice and Competition. Offer choices for services to member agencies and accommodate the development of a water transfer market.

Water Quality. Support source quality improvements and water treatment systems that are required to ensure safe drinking water and the feasibility of water recycling and groundwater management programs.

Financial Integrity. Establish a financial commitment from the member agencies that provides financial security for Metropolitan and does not transfer undue risk to member agencies, individually or as a whole.

DISTRICT OVERVIEW

District Profile

The Metropolitan Water District of Southern California (Metropolitan) is a metropolitan water district created in 1928 under authority of the Metropolitan Water District Act (California Statutes 1927, Chapter 429, as reenacted in 1969 as Chapter 209, as amended (the Act)). Metropolitan has 26 member public agencies and its primary purpose is to provide its members with a supplemental wholesale water supply service for domestic and municipal uses. To do so, Metropolitan imports water from the Colorado River and Northern California. Metropolitan also helps its member agencies develop increased water conservation, recycling, storage and other local resource programs.

Metropolitan is authorized to develop, store, and distribute water for domestic and municipal purposes and other beneficial uses if excess water is available, and may provide, generate, and deliver electric power within or without the state for the purpose of developing, storing, and distributing water. All powers, privileges and duties vested in or imposed upon Metropolitan are exercised and performed by and through its Board of Directors. Metropolitan is governed by a 38-member Board of Directors representing the 26 member agencies. Metropolitan directors are selected by their respective member agencies and some of those directors also serve on the governing body of their member agency. Board and committee meetings are open to the public and are broadcast on the Internet through Metropolitan's website, www.mwdh2o.com. A schedule of Board and committee meetings, as well as current and archived Board materials, is available at the same website.

Metropolitan was established to obtain an allotment of Colorado River water and to construct and operate the 242-mile Colorado River Aqueduct (CRA), which runs from an intake at Lake Havasu on the California-Arizona border, to an endpoint at Metropolitan's Lake Mathews reservoir in Riverside County. Metropolitan owns and operates an extensive portfolio of capital facilities including the CRA, 16 hydroelectric facilities, nine reservoirs, 830 miles of large-scale pipes, and five water treatment plants.

In 1960, Metropolitan, followed by other public agencies, signed a long-term contract with the state Department of Water Resources (DWR) to participate in the State Water Project (SWP). The SWP is the largest state-built, user-financed water supply and transportation project in the country. Its facilities were constructed with several general types of financing, the repayment of which is made by the 29 agencies and districts that participate in the SWP through long-term contracts (the State Water Contractors). The State Water Contractors also pay for the operations, maintenance, power, and replacement costs of the SWP, as the State Water Contracts are the basis for all SWP construction and ongoing operations and DWR manages and operates the SWP. As the largest of the now 29 contractors, Metropolitan is entitled to slightly less than half of all SWP supplies. Water supplies from the SWP are conveyed to Metropolitan via the SWP's 444-mile California Aqueduct, which was made possible pursuant to Metropolitan's State Water Contract. The SWP serves urban and agricultural agencies from the San Francisco Bay area to Southern California.

To secure additional supplies, Metropolitan also has groundwater banking partnerships and water transfer arrangements within and outside of its service area. Metropolitan also provides financial incentives to its member agencies for local investments in water management projects and programs. An increasing percentage of Southern California's water supply comes from these local resources, including conservation, water recycling and recovered groundwater.

To pay for its costs, the Act authorizes Metropolitan to: levy property taxes within its service area; establish water rates; collect charges for water standby and service availability; incur general obligation bonded indebtedness and issue revenue bonds, notes and short-term revenue certificates; execute contracts; and exercise the power of eminent domain for the purpose of acquiring property. In addition, Metropolitan's Board is authorized to establish terms and conditions under which additional areas may be annexed to Metropolitan's service area.

District Mission

The mission of Metropolitan is to provide its 5,200-square-mile service area with an adequate and reliable supply of high-quality water to meet present and future needs in an environmentally and economically responsible way.

Metropolitan Service Area

Metropolitan's service area comprises approximately 5,200 square miles and includes portions of the six counties of Los Angeles, Orange, Riverside, San Bernardino, San Diego and Ventura. When Metropolitan began delivering water in 1941, its service area consisted of approximately 625 square miles. Its service area has increased by 4,500 square miles since that time. The expansion was primarily the result of annexation of the service areas of additional member agencies. Metropolitan has historically provided between 40 and 60 percent of the water used annually within its service area.

The area served by Metropolitan represents the most densely populated and heavily industrialized portions of Southern California. Metropolitan estimates that approximately 18.9 million people lived in Metropolitan's service area in 2017, based on official estimates from the California Department of Finance and on population distribution estimates from the Southern California Association of Governments (SCAG) and the San Diego Association of Governments (SANDAG). Population projections prepared by SCAG in 2012 and SANDAG in 2013, as part of their planning process to update regional transportation and land use plans, show expected population growth of about 18 percent in Metropolitan's service area between 2010 and 2035.

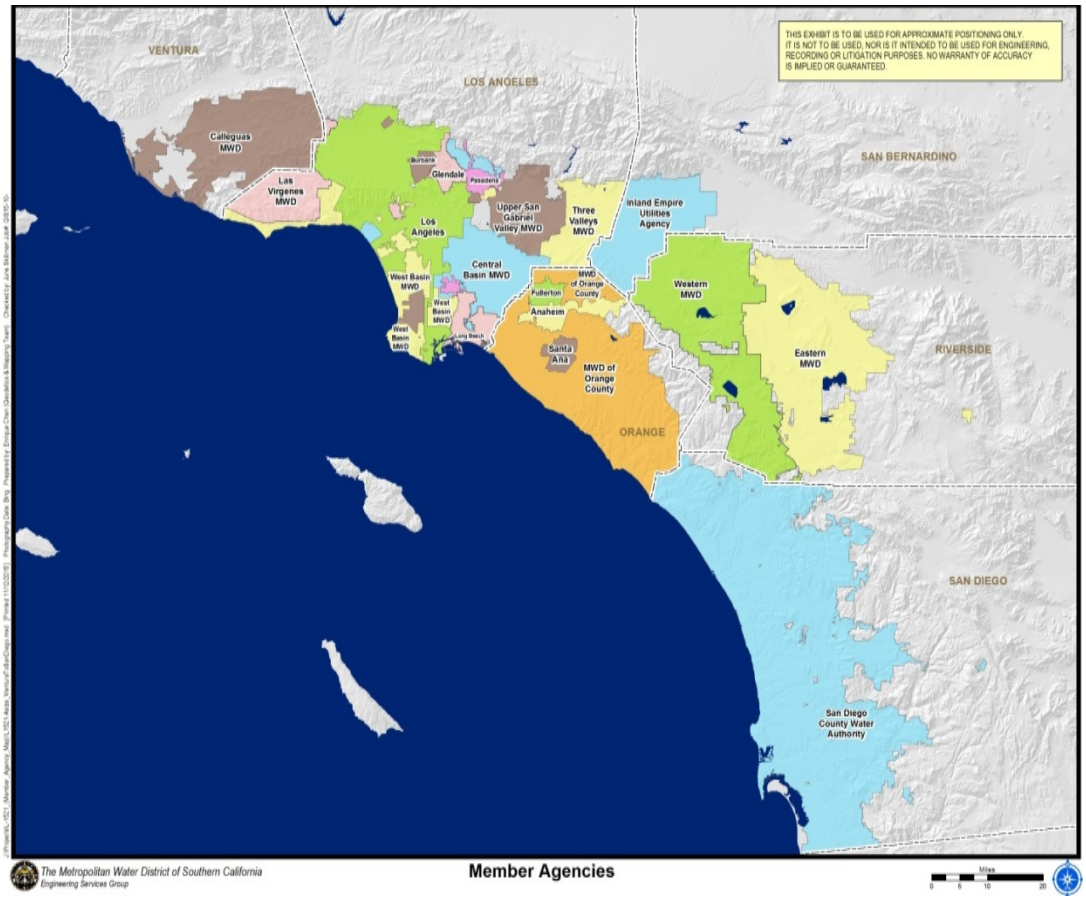
The economy of Metropolitan's service area is exceptionally diverse. In 2015, the economy of the six counties which contain Metropolitan's service area had a gross domestic product larger than all but eleven nations of the world. The Six County Area economy ranked between Australia ($1.34 trillion) and the Russian Federation ($1.33 trillion), with an estimated gross domestic product (GDP) of just over $1.34 trillion. The Six County Area's gross domestic product in 2015 was larger than all states except California, Texas, and New York.

The climate in Metropolitan's service area ranges from moderate temperatures throughout the year in the coastal areas to hot and dry summers in the inland areas. Annual rainfall in an average year has historically been approximately 13 to 15 inches along the coastal area, up to 20 inches in foothill areas and less than 10 inches inland.

Service Area Map

Figure 1 below shows the area served by Metropolitan. It includes parts of six of the ten counties that comprise Southern California (Six County Area) consisting of Los Angeles, Orange, Riverside, San Bernardino, San Diego, and Ventura counties. Although these counties comprise Metropolitan's service area, Metropolitan's territory does not encompass all of the area within each of the six counties.

Figure 1: Map of Metropolitan's Service Area



Organization Structure

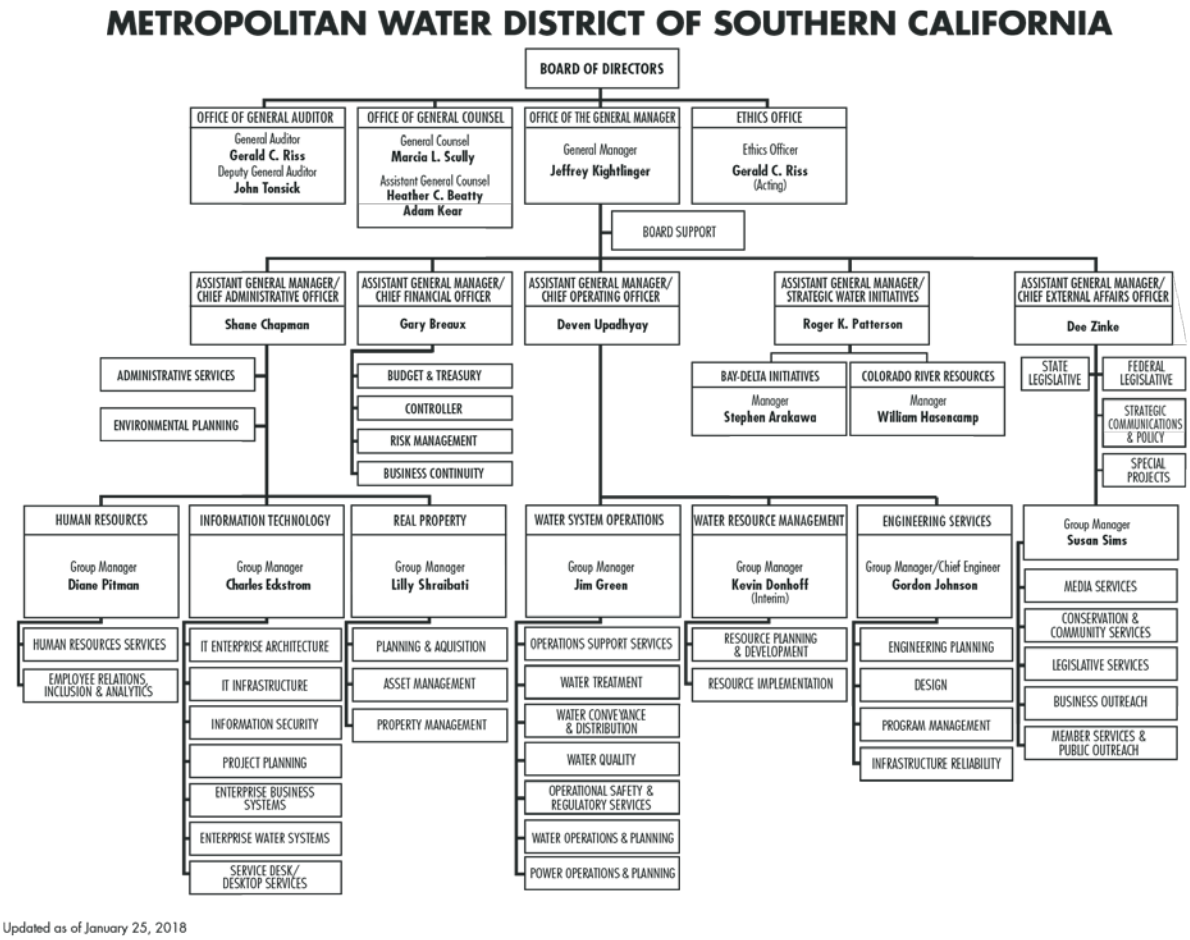
Board of Directors

Metropolitan is governed by a 38-member Board of Directors. Each member public agency is entitled to have at least one representative on the Board, plus an additional representative for each full five percent of the total assessed valuation of property in Metropolitan's service area that is within the member public agency. Changes in relative assessed valuation do not terminate any director's term. Accordingly, the Board may, from time to time, have more or less than 38 directors.

The Board includes business, professional and civic leaders. Directors serve on the Board without compensation from Metropolitan. Voting is based on assessed valuation, with each member agency being entitled to cast one vote for each $10 million or major fractional part of $10 million of assessed valuation of property within the member agency, as shown by the assessment records of the county in which the member agency is located. The Board administers its policies through the Metropolitan Water District Administrative Code (the Administrative Code), which the Board adopted in 1977. The Board periodically amends the Administrative Code to reflect new policies or changes in existing policies that occur from time to time.

Metropolitan's day-to-day management is under the direction of its General Manager, who serves at the pleasure of the Board, as do Metropolitan's General Counsel, General Auditor, and Ethics Officer. Metropolitan's organization chart is shown in Figure 2; Table 1 provides a listing of Metropolitan's Senior Management.

Figure 2: Metropolitan Organization Chart



Updated as of January 25, 2018

Table 1: Metropolitan Senior Management

Jeffrey Kightlinger	General Manager
Marcia Scully	General Counsel
Gerald Riss	General Auditor
Gerald Riss	Acting Ethics Officer
Gary Breaux	Assistant General Manager/Chief Financial Officer
Deven Upadhyay	Assistant General Manager/Chief Operating Officer
Roger Patterson	Assistant General Manager/Strategic Water Initiatives
Dee Zinke	Assistant General Manager/Chief External Affairs Officer
Shane Chapman	Assistant General Manager/Chief Administrative Officer
Rosa Castro	Board Administrator

Member Agencies

Table 2 lists the 26 member agencies of Metropolitan which include 11 municipal water districts, 14 cities and one county water authority.

Table 2: Metropolitan Member Agencies

Municipal Water Districts	Cities	County Water Authority
Calleguas	Anaheim	San Diego
Central Basin	Beverly Hills	
Eastern	Burbank	
Foothill	Compton	
Inland Empire Utilities Agency	Fullerton	
Upper San Gabriel Valley	Glendale	
Western of Riverside County	Long Beach	
Las Virgenes	Los Angeles	
Orange County	Pasadena	
Three Valleys	San Fernando	
West Basin	San Marino	
	Santa Ana	
	Santa Monica	
	Torrance	

Metropolitan's Water Transactions with Member Agencies

Due to Metropolitan's role as a supplemental supplier of imported water, Metropolitan's water transactions are highly variable and unpredictable from year to year. In the past 20 years, water transactions have been as high as 2.43 million acre-feet in FY 2003/04 and as low as 1.51 million acre-feet in FY 2016/17, as shown in Figure 3. Figure 3 includes total transactions by fiscal year, which includes water sales, exchanges, and wheeling. Variation occurs for many reasons. The demand for supplemental supplies is dependent on water use at the retail consumer level and the amount of local water supplies available to member agencies. Consumer demand and locally supplied water vary from year to year, resulting in variability in Metropolitan's water transactions. Both economic growth and recessions can also lead to increases and decreases in demand. Weather also affects demands. Wet cool weather not only increases the availability of local supplies, it also decreases retail demands. Conversely, hot and dry weather results in significant increases in retail demand. In recent years, demands have been affected by drought, water use restrictions, economic conditions, and weather conditions. Member agencies also rely on Metropolitan during times of operational emergencies. Examples include: power outages, when member agencies need gravity-fed supplies to replace energy-dependent operations; water quality issues, such as when contaminants in groundwater force member agencies to shut down wells; and fires, when member agencies rely on Metropolitan for increased flows.

Based on the variability of supplemental wholesale water transactions and unpredictability of future hydrologic conditions, transaction projections are based on long-term average forecasts consistent with Metropolitan's latest Board-adopted Integrated Resources Plan (2015 IRP Update).

Figure 3: Historic Water Transactions FY 1998-2017

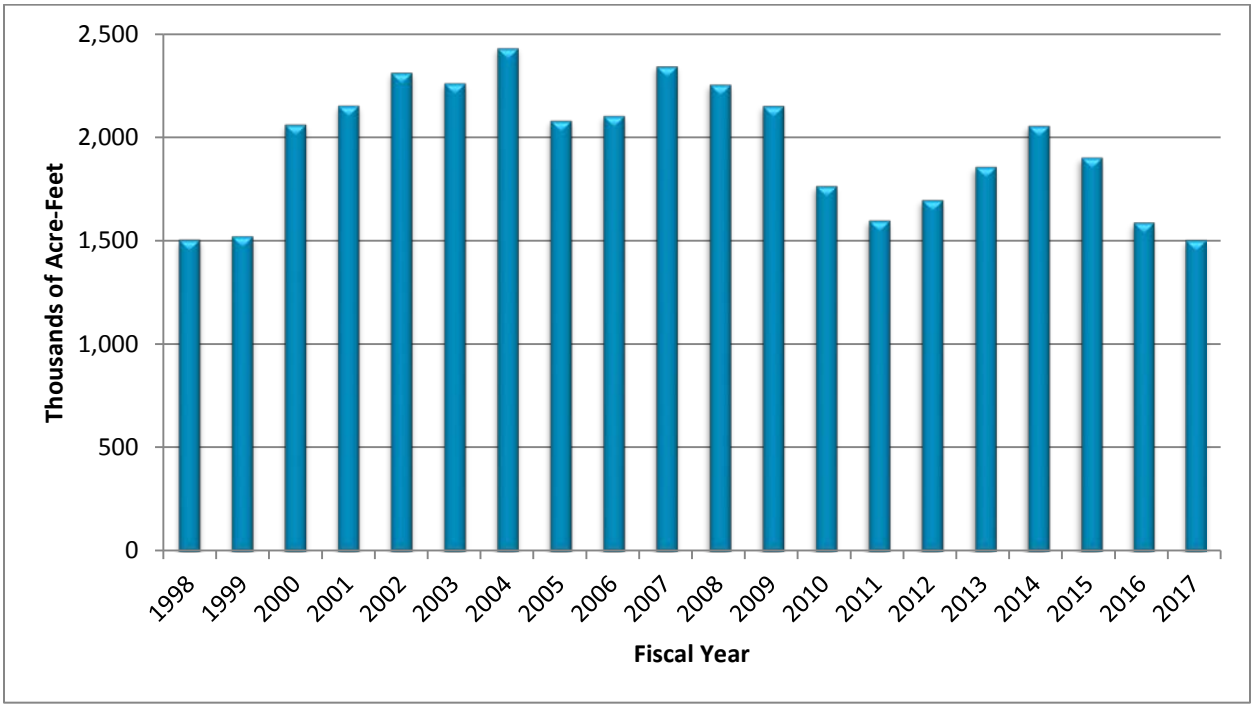


Table 3 identifies the amounts paid by member agency, including fixed and volumetric charges, as well as the volume of water transactions by Metropolitan member agencies for FY 2017. Water transactions include sales, exchanges, and wheeling.

Table 3: Metropolitan Water Transactions with Member Agencies, Year Ended June 30, 2017

(Accrual Basis, Dollars in Thousands) [1, 2]

Agency	Revenues				Water Transactions	
	Fixed Charges ($ thousands)	Volumetric Charges ($ thousands)	Total ($ thousands)	Percent of Total	AF	Percent of Total
Anaheim	$ 1,560	$ 8,454	$ 10,014	0.80%	13,074	0.85%
Beverly Hills	1,261	9,204	10,466	0.83%	9,471	0.61%
Burbank	883	8,762	9,645	0.77%	14,013	0.91%
Calleguas	9,029	83,360	92,390	7.34%	88,479	5.74%
Central Basin	1,645	35,749	37,394	2.97%	57,656	3.74%
Compton	45	5	50	0.00%	5	0.00%
Eastern	8,176	77,120	85,296	6.78%	93,194	6.05%
Foothill	718	7,771	8,490	0.67%	8,102	0.53%
Fullerton	671	6,233	6,904	0.55%	6,471	0.42%
Glendale	1,563	13,197	14,760	1.17%	15,654	1.02%
Inland Empire	4,673	26,943	31,616	2.51%	70,782	4.59%
Las Virgenes	1,924	18,682	20,606	1.64%	19,557	1.27%
Long Beach	2,401	22,222	24,623	1.96%	23,588	1.53%
Los Angeles	32,964	169,473	202,437	16.08%	219,431	14.24%
MWDOC	15,396	132,622	148,018	11.76%	286,803	18.61%
Pasadena	1,844	16,573	18,418	1.46%	18,093	1.17%
San Diego	29,484	223,838	253,322	20.12%	216,411	14.04%
San Fernando	19	0	19	0.00%	-	0.00%
San Marino	111	917	1,028	0.08%	971	0.06%
Santa Ana	840	7,854	8,694	0.69%	8,447	0.55%
Santa Monica	1,031	3,486	4,518	0.36%	3,651	0.24%
Three Valleys	5,404	52,079	57,483	4.57%	68,069	4.42%
Torrance	1,391	15,621	17,012	1.35%	16,383	1.06%
Upper San Gabriel	348	29,659	30,007	2.38%	50,610	3.28%
West Basin	12,830	95,399	108,228	8.60%	149,752	9.72%
Western	4,743	52,647	57,390	4.56%	82,599	5.36%
Total	**$ 140,957**	**$ 1,117,872**	**$ 1,258,829**	**100.00%**	**1,541,267**	**100.00%**

[1] Water Transactions include sales, exchanges, and wheeling.

[2] Water Transactions as billed.

Due to differences in local supply resources and demand characteristics, usage profiles differ significantly among the member agencies. Table 4 summarizes the usage characteristics of the member agencies for the ten fiscal years ended 2016. As can be seen from this table, individual agency purchases vary substantially from year to year, and the Metropolitan system accommodates usage behavior that varies widely among member agencies. The table shows that Metropolitan's transactions can vary as much as ± 30 percent from average. This range of variability is not typical for a retail water utility, but does demonstrate the degree to which Metropolitan's commitments to meet supplemental demands can impact operations.

Table 4: Member Agency Water Usage Profiles

Calendar Years 2007-2016

Agency	Average (AF)	Maximum (AF)	Minimum (AF)	Peak Day* (CFS)
Anaheim	19,987	29,203	13,256	44.8
Beverly Hills	10,976	12,463	9,498	33.9
Burbank	13,829	18,121	9,814	34.2
Calleguas	109,672	131,073	86,882	260.8
Central Basin	54,680	84,807	30,394	125.9
Compton	1,454	3,063	-	7.1
Eastern	94,796	122,008	71,742	303.8
Foothill	9,301	12,261	7,299	25.4
Fullerton	8,979	11,050	5,417	37.4
Glendale	18,209	22,748	14,726	56.0
Inland Empire	62,938	80,647	37,947	176.2
Las Virgenes	22,176	26,738	19,469	46.1
Long Beach	34,591	42,911	26,980	68.1
Los Angeles	337,579	439,278	119,381	821.9
MWDOC	225,632	264,618	178,378	489.5
Pasadena	20,053	25,123	16,501	58.5
San Diego	511,625	677,665	407,259	1,177.5
San Fernando	126	901	-	6.5
San Marino	833	1,112	309	7.3
Santa Ana	11,798	16,470	4,453	29.7
Santa Monica	7,694	13,033	2,904	27.6
Three Valleys	66,424	74,439	53,012	178.6
Torrance	17,153	20,136	14,126	42.8
Upper San Gabriel	34,980	60,958	5,891	79.1
West Basin	119,868	141,674	108,529	262.3
Western	81,195	119,684	58,269	289.2
Total	**1,896,547**	**2,452,183**	**1,302,433**	**4,690.2**

*Peak Day from May 1 through September 30, excluding replenishment.

**Water Transactions include sales, exchanges, and wheeling.

Metropolitan's Water Resources and Facilities

Metropolitan's total water system has been built over time to meet the widely differing needs of its member agencies and the sources of water available to Metropolitan. Some agencies have no local water resources and rely on Metropolitan for 100 percent of their annual water needs. Other agencies have adequate local surface supplies and storage and/or groundwater basins that provide them with the majority of their water supplies during wet and average years. However, during dry periods these agencies rely on Metropolitan to make up any shortfalls in local water supplies. Similar coordination challenges arise in managing water available from the SWP, the Colorado River, and water supply projects of Metropolitan.

Metropolitan's water delivery system is comprised of three basic conveyance and delivery components:

- SWP;
- CRA; and
- Distribution System.

The CRA and the California Aqueduct of the SWP convey imported water into the Metropolitan service area. This water is then delivered to Metropolitan's member agencies via a regional network of canals, pipelines, and appurtenant facilities, which constitute the Distribution System. Supply, treatment, and storage facilities augment the Distribution System.

Water Conveyance System

For purposes of this report, components of the conveyance system are considered to include only those major trunk facilities that transport water from primary supply sources to either regional storage facilities or feeder lines linked to the primary conveyance facilities. All other water transport facilities, including pipelines, feeders, laterals, canals and aqueducts, are considered to be distribution facilities. Distribution facilities can be further identified in that they generally have at least one connection to a member agency's local distribution system. Existing regional conveyance facilities include both the CRA and SWP facilities. Metropolitan operates the CRA. The CRA transports water from the Colorado River approximately 242 miles to its terminus at Lake Mathews in Riverside County. SWP facilities transport water from the Sacramento-San Joaquin Delta southward through a series of pumps, aqueducts, siphons, and tunnels that comprise the California Aqueduct. Conveyance facilities in or near Metropolitan's service area include the East Branch and West Branch of the California Aqueduct, the San Bernardino Tunnel, the Devil Canyon Power Plant, and the Santa Ana Valley Pipeline, which constitute the terminus of the reaches of the SWP facilities used and allocable to Metropolitan under its State Water Contract. The characteristics of the California Aqueduct are described more fully under the following “State Water Project”. A summary of conveyance facilities is presented in Table 5.

Table 5: Components of Metropolitan’s Water Conveyance System

Facility Name	Design Capacity (cfs)
East Branch SWP to Devil Canyon (a)	1,500
West Branch SWP (a)	1,490
Santa Ana Valley Pipeline (a)	420
Colorado River Aqueduct	1,605
Inland Feeder	1,000

(a) The availability of additional capacity is dependent on the needs of other SWP Contractors; does not include the California WaterFix.

Metropolitan's conveyance facilities deliver available water to meet regional supplemental water demands either through direct deliveries or through deliveries to storage for later use. The two most important factors considered in evaluating water conveyance needs are:

- Availability of water supplies; and
- Supplemental water demands, including both:
    - Consumptive demands; and
    - Deliveries to storage during water surplus periods.

Additional factors that are considered in modeling operational needs and planning for additional water conveyance facilities include:

- Water quality blend requirements,
- System reliability in an emergency or unusual supply year; and
- System flexibility under other-than-normal operating conditions.

Conveyance system planning and operational needs are evaluated using both 1) computer simulation models, which indicate how much imported water is available during a given year, and 2) a distribution system mass balance model, which indicates system capacity constraints. These models use available imported supplies based on historical hydrology, and then map these supplies over projected supplemental water demands on a monthly basis. Modeling results are analyzed to determine if shortages occur because of supply conveyance constraints or water supply constraints under various wet, dry, and normal conditions. The need for additional supply conveyance facilities is governed by the most restrictive of the conveyance constraints.

State Water Project (SWP)[1]

One of Metropolitan's two major sources of water is the SWP, which is managed and operated by DWR. The SWP is the largest state-built, multipurpose, user-financed water project in the country. It was designed and built primarily to deliver water, but also provides flood control, generates power for pumping, is used for recreation, and enhances habitat for fish and wildlife. The SWP provides irrigation water to 750,000 acres of farmland, primarily in the San Joaquin Valley, and provides municipal and industrial water to approximately 25 million of California's estimated 39.2 million residents.

The SWP consists of a complex system of dams, reservoirs, power plants, pumping plants, canals and aqueducts to deliver water. SWP water consists of water from rainfall and snowmelt runoff that is captured and stored in SWP conservation facilities and then delivered through SWP transportation facilities to water agencies and districts located throughout the Upper Feather River, Bay Area, Central Valley, Central Coast, and Southern California. Metropolitan receives water from the SWP through the California Aqueduct, which is 444 miles long, and at four delivery points near the northern and eastern boundaries of Metropolitan's service area. The SWP facilities are shown in Figure 4.

The capacity of the SWP to deliver water decreases with distance from the Banks Pumping Plant, located in the Sacramento-San Joaquin Delta, as water is delivered to Contractors through the South Bay Aqueduct and the Coastal Branch Aqueduct, and to turnouts in the San Joaquin Valley and Southern California. The design pumping capacity at Banks Pumping Plant is 10,670 cubic feet-per-second (cfs) but only 4,480 cfs at the Edmonston Pumping Plant, located at the base of the Tehachapi Mountains[2].

In addition to the supply of SWP water, the SWP is also used to convey transfers of SWP water and non-SWP water. SWP operations are closely coordinated and integrated with the federal Central Valley Project (CVP) and the San Luis Reservoir and San Luis Canal section of the California Aqueduct are shared SWP/CVP facilities. The SWP is also connected to other water sources upstream of the Sacramento-San Joaquin Delta, and along the California Aqueduct as it passes through Central Valley.

[1] For historical and current information regarding the SWP, refer to Bulletin 132, published periodically by DWR since 1963. The most recently published Bulletin is Bulletin 132-16 dated June 2017 and titled "Management of the California State Water Project".
[2] http://www.water.ca.gov/swp/swptoday.cfm

Figure 4: Facilities of the State Water Project

In 1960, Metropolitan signed the first water supply contract (as amended, the State Water Contract) with DWR. Metropolitan is one of 29 agencies that are participants in the SWP through long-term contracts for water service from DWR, and is the largest agency in terms of the number of people in its service area (approximately 18.9 million), the share of SWP water that it is entitled to pursuant to the State Water Contract (approximately 46 percent), and the percentage of total annual payments made to DWR by agencies with State Water Contracts (approximately 60 percent through 2016). Upon expiration of the State Water Contract term (currently in 2035), Metropolitan has the option to continue participation under substantially the same terms and conditions. Metropolitan and other agencies with state water supply

contracts are currently in negotiations with DWR to extend the State Water Contract. In June 2014, DWR and the State Water Contractors reached an Agreement in Principle (AIP) to extend the contract to 2085 and to make certain changes related to financial management of the SWP in the future. The AIP serves as the "proposed project" for purposes of environmental review under the California Environmental Quality Act (CEQA). DWR circulated a Draft Environmental Impact Report (EIR) for the proposed project in August 2016. Following completion of the CEQA process, a SWP amendment will be prepared. Such amendment will be subject to review by the Legislature.

State Water Contractors have contracted for delivery of water conserved and stored by the SWP and are each entitled to a portion of that total supply. Each year, DWR determines the percentage of the total contracted amount it estimates will be available to the State Water Contractors (the DWR allocation). Under a 100 percent allocation, Metropolitan would receive 1,911,500 acre-feet of SWP water. Late each year, DWR announces an initial allocation estimate for the upcoming year, but may revise the estimate throughout the year if warranted by developing precipitation and water supply conditions. In addition to SWP water, Metropolitan also obtains water from water transfers, groundwater banking and exchange programs delivered through the California Aqueduct. From calendar years 2004 through 2016, the total amount of water received by Metropolitan from the SWP, including water from water transfer, groundwater banking and exchange programs delivered through the California Aqueduct, varied from a low of 593,000 acre-feet in calendar year 2015 to a high of 1,800,000 acre-feet in 2004. In calendar year 2016, DWR's allocation to State Water Contractors was 60 percent of contracted amounts, or 1,146,000 acre-feet, for Metropolitan.

In calendar year 2017, DWR's initial allocation was announced on December 1, 2016, as 20 percent. On December 21, 2016, DWR increased the allocation estimate to 45 percent. On January 18, 2017, DWR increased the allocation estimate to 60 percent of contracted amounts based on runoff from storms that increased the combined storage in Oroville and San Luis Reservoir by over 600,000 acre-feet. On April 14, 2017, DWR notified State Water Contractors that it had increased its calendar year 2017 allocation estimate to 85 percent of contracted amounts, or 1,624,775 acre-feet for Metropolitan. This increased allocation estimate reflects improving hydrologic conditions in California and increasing storage levels in the State's major reservoirs, but also takes into account federally mandated environmental restrictions that have been imposed upon water deliveries from the Bay-Delta.

For calendar year 2018, DWR's initial allocation was announced on November 29, 2017 and was 15 percent of contracted amounts. The initial allocation will likely change depending on rain and snowfall received this winter.

In addition to being a source of water for diversion into the State Water Project, the Bay-Delta is also the source of water for local agricultural, municipal and industrial needs, and, in addition, supports significant resident and anadromous fish and wildlife resources and important recreational uses of water. Both the State Water Project's upstream reservoir operations and its Bay-Delta diversions can at times affect these other uses of Bay-Delta water directly, or indirectly, through impacts on Bay-Delta water quality. A variety of proceedings and other activities are ongoing with the participation of various State and federal agencies, as well as California's environmental, urban and agricultural communities, in an effort to develop long-term, collectively-negotiated solutions to the environmental and water management issues concerning the Bay-Delta, and Metropolitan actively participates in these proceedings. Metropolitan cannot predict the ultimate outcome of any of the litigation or regulatory processes.

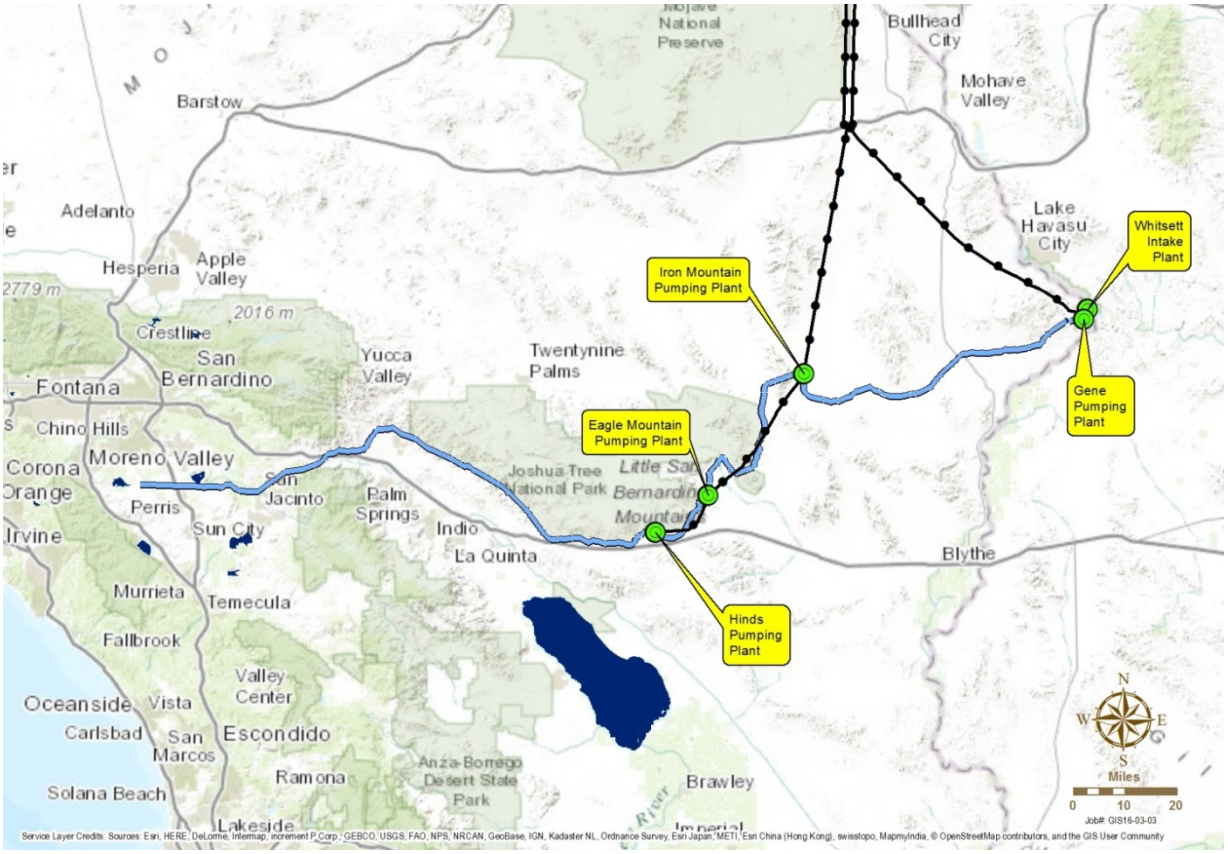
Colorado River Aqueduct (CRA)

The other major source of water for Metropolitan is the Colorado River through the Colorado River Aqueduct (CRA). Metropolitan was established to obtain an allotment of Colorado River water, and its first mission was to construct and operate the CRA. The CRA consists of 5 pumping plants, 450 miles of high voltage power lines, 1 electric switching station, 4 regulating reservoirs, and 242 miles of aqueducts, siphons, canals, conduits and pipelines terminating at Lake Mathews in Riverside County.

The Colorado River was Metropolitan's original source of water after Metropolitan's establishment in 1928. Metropolitan has a legal entitlement to receive water from the Colorado River under a permanent service contract with the Secretary of the Interior. Water from the Colorado River and its tributaries is also available to other users in California, as well as users in the states of Arizona, Colorado, Nevada, New Mexico, Utah, and Wyoming (the Colorado River Basin States), resulting in both competition and the need for cooperation among these holders of Colorado River entitlements. In addition, under a 1944 treaty, Mexico has an allotment of 1.5 million acre-feet of Colorado River water annually except in the event of extraordinary drought or serious accident to the delivery system in the United States, in which event the water allotted to Mexico would be curtailed. Mexico also can schedule delivery of an additional 200,000 acre-feet of Colorado River water per year if water is available in excess of the requirements in the United States and the 1.5 million acre-feet allotted to Mexico.

The CRA, which is directly owned and operated by Metropolitan, transports water from the Colorado River approximately 242 miles to its terminus at Lake Mathews in Riverside County. The CRA is shown in Figure 5. Up to 1.25 million acre-feet of water per year may be conveyed through the CRA to Metropolitan's service area, subject to availability of Colorado River water for delivery to Metropolitan as described below.

Figure 5: Colorado River Aqueduct



California is apportioned the use of 4.4 million acre-feet of water from the Colorado River each year plus one-half of any surplus that may be available for use collectively in Arizona, California and Nevada. Under the 1931 priority system that has formed the basis for the distribution of Colorado River water made available to California, Metropolitan holds the fourth priority right to 550,000 acre-feet per year. This is the last priority within California's basic apportionment. In addition, Metropolitan holds the fifth priority right to 662,000 acre-feet of water, which is in excess of California's basic apportionment. Until 2003, Metropolitan had been able to take full advantage of its fifth priority right as a result of the availability of surplus water and water apportioned to Arizona and Nevada that was not needed by those states. However, during the 1990s Arizona and Nevada increased their use of water from the Colorado River, and by 2002 no unused apportionment was available for California. In addition, a severe drought in the Colorado River Basin reduced storage in system reservoirs, ending the availability of surplus deliveries to Metropolitan. As a result, California has been limited to 4.4 million acre-feet since 2003. Prior to 2003, Metropolitan could divert over 1.25 million acre-feet in any year, but since that time, Metropolitan's net diversions of Colorado River water have ranged from a low of nearly 633,000 acre-feet in 2006 to a high of approximately 1,176,000 acre-feet in 2014. Metropolitan has taken steps to augment its share of Colorado River water through agreements with other agencies that have rights to use such water.

The Quantification Settlement Agreement (QSA), executed by CVWD, IID and Metropolitan in October 2003, establishes Colorado River water use limits for IID and CVWD, and provides for specific acquisitions of conserved water and water supply arrangements for up to 75 years. The QSA and related agreements provide a framework for Metropolitan to enter into other cooperative Colorado River supply programs and set aside several disputes among California's Colorado River water agencies.

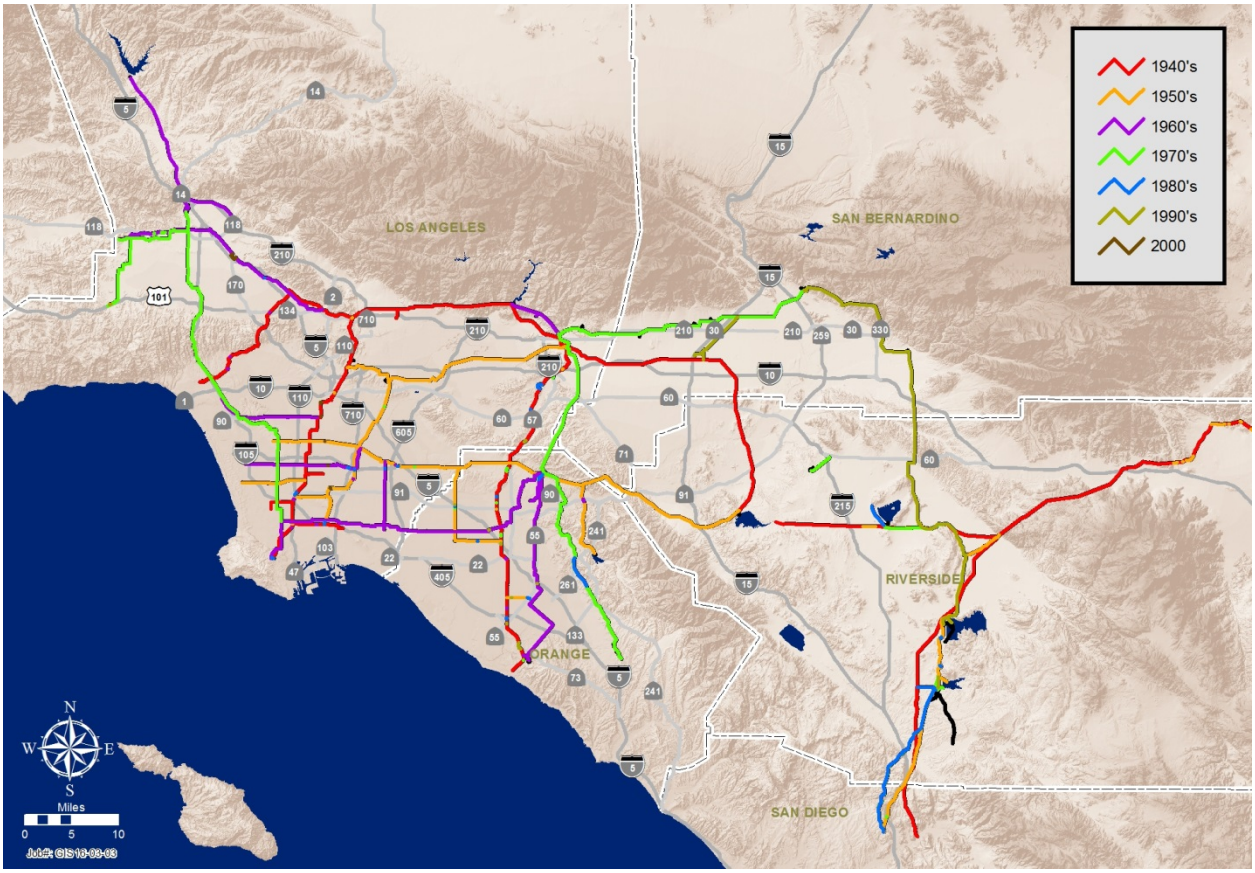
Specific programs under the QSA and related agreements include lining portions of the All-American and Coachella Canals, which conserve approximately 96,000 acre-feet annually. As a result, about 80,000 acre-feet of conserved canal lining water is made available to the San Diego County Water Authority (SDCWA) and exchanged with Metropolitan water that is delivered to SDCWA by Metropolitan. Metropolitan has historically taken delivery of 16,000 acre-feet annually as a result of the All-American and Coachella Canal Lining Projects. Under the San Luis Rey Indian Water Rights Settlement Agreement, that water will be made available for the benefit of the La Jolla, Pala, Pauma, Rincon and San Pasqual Bands of Mission Indians, the San Luis Rey River Indian Water Authority, the City of Escondido and the Vista Irrigation District. Beginning in 2018, the settlement parties will receive 16,000 acre-feet of water under the agreement. Also included under the QSA is the delivery and exchange agreement between Metropolitan and CVWD that provides for Metropolitan, when requested, to deliver annually up to 35,000 acre-feet of Metropolitan's SWP contractual water to CVWD by exchange with Metropolitan's available Colorado River supplies. Metropolitan and CVWD also share in 105,000 acre-feet annually of water conserved by IID, with Metropolitan receiving no less than 85,000 acre-feet. In 2021, the transfer of water conserved annually by IID to SDCWA is expected to reach 205,000 acre-feet. With full implementation of the programs identified in the QSA, at times when California is limited to its basic apportionment of 4.4 million acre-feet per year, Metropolitan expects to be able to annually divert to its service area approximately 900,000 acre-feet of Colorado River water plus water from other water augmentation programs it develops, including the Palo Verde Irrigation District (PVID) program, which provides up to approximately 133,000 acre-feet of water per year.

Distribution System

All water transport facilities not specifically identified as part of the regional conveyance system are considered to be distribution facilities (Distribution System). While conveyance and aqueduct system components are regional in nature and do not link directly to local agency distribution systems, Distribution System facilities do ultimately connect to local agency systems. As a result, these facilities rely on conveyance and aqueduct facilities to import water from regional supply sources. The Distribution System is a complex network of facilities which routes water from the CRA and SWP to the member agencies. Beginning at the terminal delivery points of the CRA and SWP, Metropolitan's Distribution System includes approximately 775

miles of pipelines, feeders, and canals. The Distribution System includes components dating from the 1930's up to the present day, as shown in Figure 6. Distribution System operations are coordinated from the Operations Control Center in Eagle Rock. The control center plans, schedules, and balances daily water operations in response to member agency demands and the operational limits of the system as a whole. Metropolitan's storage and treatment facilities augment the Distribution System. Metropolitan operates and maintains separate untreated and treated distribution facilities.

Figure 6: Metropolitan's Distribution System



Storage Facilities

Existing imported water storage available to the region consists of Metropolitan's raw water reservoirs, a share of the SWP's raw water reservoirs in and near the service area, and the portion of the groundwater basins used for conjunctive-use storage. Figure 7 shows the geographical location of Metropolitan's major storage facilities. Table 6 lists surface water storage facilities owned and operated by Metropolitan. With some limitations, these reservoirs can be used to help meet the region's water storage requirements. Total storage capacity currently available to Metropolitan in these existing reservoirs is about 1,041,830 acre-feet. Metropolitan's water storage is divided into three categories: emergency, regulatory, and drought carryover storage. Emergency storage capacity is intended to provide the Metropolitan service area with a 6 month supply of water (assuming typical hydrologic conditions) in the event of a major regional catastrophe isolating Southern California from its imported water supplies.

Regulatory storage requirements are based on historical reservoir cycling and known cycling targets intended to meet the delivery schedules of the member agencies. Drought carryover storage is intended to prevent water shortages during dry years and is evaluated using computer simulation models, incorporating historic hydrologic data, projections of future demand, and information on currently available storage levels.

Figure 7: Metropolitan's Major Distribution System Storage Facilities

Table 6: Capacity of Metropolitan's Distribution System Storage Facilities

Storage Facilities	Capacity (Acre-feet)
Etiwanda Reservoir	400
Garvey Reservoir	1,610
Orange County Reservoir	212
Palos Verdes Reservoir	1,108
Live Oak Reservoir	2,500
Lake Mathews	182,000
Lake Skinner	44,000
Diamond Valley Lake	810,000
Total Storage Capacity	1,041,830

In addition to the storage facilities shown above, DWR owns and operates four major reservoirs in or near Metropolitan's service area as part of the SWP. Castaic Lake and Pyramid Lake are located on the West Branch of the California Aqueduct. Silverwood Lake and Lake Perris are on the East Branch of the California

Aqueduct. Metropolitan pays for about 650,000 acre-feet of the total storage in these four DWR reservoirs. Within these reservoirs, up to 220,000 acre-feet of additional storage is provided for by the Monterey Amendment to the State Water Contract[3].

Under a conjunctive-use groundwater program, groundwater basins are used to store imported supplies during years when water is abundant. The stored water is then used during shortages and emergencies, reducing demand on imported supplies. Consequently, groundwater conjunctive use enables member agencies to better capture surplus surface flows from the SWP and the CRA and reduce demand that would otherwise be placed on Metropolitan's system during dry periods.

Treatment Plants

In addition to raw water supply, Metropolitan provides treated water to supplement the potable water needs of its member agencies. Table 3 identifies Metropolitan's water treatment plants and related design capacities.

Metropolitan's Water Treatment Plants

Table 7: Water Treatment Plants

Water Treatment Plants	Design Capacity (cfs)
Diemer Filtration Plant	803
Jensen Filtration Plant	1,163
Mills Filtration Plant	341
Skinner Filtration Plant	543
Weymouth Filtration Plant	803
Total	3,652

Metropolitan's water treatment plants are listed in Table 7 and shown geographically in Figure 8. More than 60% of Metropolitan's demand for supplemental treated water is located in a region of the service area referred to as the "Central Pool". Agencies located partially or entirely within the Central Pool include Los Angeles, Orange, and Ventura Counties. Three existing Metropolitan treatment plants serve the Central Pool's treated water needs:

- The Jensen plant in Granada Hills;
- The Weymouth plant in La Verne; and
- The Diemer plant in Yorba Linda.

[3] The Monterey Amendment is explained in further detail at Service Function Costs, Conveyance and Aqueduct: SWP.

While some areas of the Central Pool are served by one plant, the three plants together also jointly serve a common area of the Central Pool referred to as the "Common Pool". The Mills plant and the Skinner plant do not serve the Common Pool, but serve areas in the eastern part of Metropolitan's service area.

Figure 8: Metropolitan's Treatment Plants' Geographical Location

Table 8 shows Metropolitan's treated and untreated water transactions by member agency for FY 2016/17. Approximately 49 percent of Metropolitan's water transactions in FY 2016/17 were treated.

Table 8: Treated and Untreated Water Transactions by Member Agency, FY 2017

Acre-Feet [1, 2]

Agency	Treated (AF)	Untreated (AF)	Total (AF)
Anaheim	316	12,481	12,797
Beverly Hills	9,471	-	9,471
Burbank	5,271	6,967	12,238
Calleguas	86,606	-	86,606
Central Basin	18,507	32,689	51,196
Compton	5	-	5
Eastern	54,456	48,471	102,927
Foothill	8,102	-	8,102
Fullerton	6,471	-	6,471
Glendale	14,111	-	14,111
Inland Empire	-	47,848	47,848
Las Virgenes	19,557	-	19,557
Long Beach	23,333	-	23,333
Los Angeles	82,421	133,867	216,288
MWDOC	107,811	72,759	180,570
Pasadena	16,865	-	16,865
San Diego	65,815	314,036	379,850
San Fernando	-	-	-
San Marino	971	-	971
Santa Ana	8,211	-	8,211
Santa Monica	3,571	-	3,571
Three Valleys	33,914	32,321	66,235
Torrance	16,380	-	16,380
Upper San Gabriel	3,197	45,500	48,696
West Basin	109,896	-	109,896
Western	42,463	20,947	63,410
Total	**737,720**	**767,886**	**1,505,606**

[1] Water Transactions include sales, exchanges, and wheeling.
[2] Water Transactions are based on occur period.

Hydroelectric Facilities

Metropolitan's Distribution System has 16 small hydroelectric plants located throughout the service area. The plants are located in Los Angeles, Orange, Riverside, and San Diego Counties as shown in Figure 9. The combined generating capacity of these plants and the generating capacity at Diamond Valley Lake (DVL) are approximately 131 megawatts. Depending upon annual water deliveries, projected annual income for the next several years is expected to range between $15 million and $17 million.

Power from ten of the plants is sold to DWR at a contract rate. Power from four plants is sold to the Southern California Public Power Authority based on a contract rate. Power generation from the Sepulveda Canyon Plant is sold to the Los Angeles Department of Water and Power based on a contract rate. Power from the Etiwanda Power Plant has been sold to the Pacific Gas and Electric based on contract rates. Power generated by DVL is sold into the wholesale market.

Electricity generated by Metropolitan hydroelectric facilities is sold rather than used internally because of the costs and inefficiencies that would be associated with building an internal electric distribution network for transmitting the electricity throughout the Metropolitan system. The costs associated with contracting for such transmission services from others would be similarly prohibitive.

Figure 9: Metropolitan's Hydroelectric Facilities

DEVELOPMENTS

Metropolitan faces a number of challenges in providing adequate, reliable and high quality supplemental water supplies for Southern California. These include, among others: (1) population growth within the service area; (2) increased competition for low-cost water supplies; (3) variable weather conditions; (4) increased environmental regulations; and (5) climate change. Metropolitan's resources and strategies for meeting these long-term challenges are set forth in its 2015 IRP Update. Metropolitan manages water supplies in response to the prevailing hydrologic conditions by implementing its Water Surplus and Drought Management (WSDM) Plan, and in times of prolonged or severe shortages, the Water Supply Allocation Plan.

Hydrologic conditions can have a significant impact on Metropolitan's imported water supply sources. For Metropolitan's SWP supplies, precipitation in California's northern Sierra Nevada during the fall and winter helps replenish storage levels in Lake Oroville, a key SWP facility. The subsequent runoff from the spring snowmelt helps satisfy regulatory requirements in the San Francisco Bay/Sacramento-San Joaquin River Delta (Bay-Delta) bolstering water supply reliability in the same year. The source of Metropolitan's Colorado River supplies is primarily the watersheds of the Upper Colorado River basin in the states of Colorado, Utah, and Wyoming. Although precipitation is primarily observed in the winter and spring, summer storms are common and can affect water supply conditions.

During the unprecedented drought that extended from water years 2012-13 through 2014-15 (a water year runs from October 1 through September 30), Metropolitan's water supply and dry-year storage reserves had steadily declined to record low levels. Restrictions on wholesale water deliveries began in July 2015 and were finally lifted in May 2016, several months after precipitation levels in northern California reached normal conditions for the first time since the drought began.

On May 9, 2017, in response to continued and significantly improved statewide hydrologic conditions, Metropolitan moved from the Water Supply Alert implemented in the previous fiscal year to a Water Supply Watch. The voluntary conservation efforts supported by the Water Supply Watch are consistent with Governor Brown's call to make conservation a California way of life. In April 2017, the same month that annual northern California precipitation exceeded the highest amount on record, Governor Brown declared an end to the drought emergency initially declared in January 2014.

On the SWP, the 60 percent allocation of contract supplies for Calendar Year 2016 followed by the 85 percent allocation of contract supplies for Calendar Year 2017, plus additional surplus supplies made available by the DWR, allowed Metropolitan to deliver significant supplies to the region and to storage. On the Colorado River system, long-term dry conditions through Calendar Year 2016 have delayed equalization releases from Lake Powell to Lake Mead, however acquisitions and exchanges made possible by the 2003 Quantification Settlement Agreement and Intentionally Created Surplus stored in Lake Mead made it possible to deliver Colorado River water into the region. The wet years on the SWP allowed the rebuilding of storage on the Colorado River system in Calendar Year 2017.

At the end of Calendar Year 2016, Metropolitan had total storage reserves of 1.9 MAF, consisting of 1.3 MAF of dry-year storage and 630 TAF of emergency storage. For the 2017 Calendar Year, Metropolitan expects to have put approximately one million acre-feet into dry-year storage reserves, the largest single year addition to storage programs in its history, bringing total storage reserves to about 3.0 MAF.

On November 29, 2017 DWR established the initial allocation for the SWP in Calendar Year 2018 at 15 percent. Conditions on the Colorado River watershed are also below normal as of the end of December 2017. While it is hopeful that weather conditions will improve in the months ahead, Metropolitan is prepared to

meet these challenges. Metropolitan delivers reliable water supplies to the region throughout a variety of hydrologic conditions. Metropolitan has a diversity of water supplies and has made substantial investments in storage programs to help meet customer demands if the forthcoming biennial period is dry. Metropolitan has significant remaining storage capacity should the hydrology during the biennial period turn wet. Past experience is that Metropolitan's water sales can vary widely.

California WaterFix

Within the region's water portfolio, supplies from the SWP remain an essential baseline water source for Southern California. Water from Northern California delivered through the SWP has provided key supplies in wet years to manage against dry years, and it is the only imported supply that can physically reach significant portions of Metropolitan's service area. This water source faces uncertainties due to climate change and the Delta's badly outdated delivery system; these problems are compounded by a declining ecosystem and 1,100-mile levee systems that are increasingly vulnerable.

California WaterFix is a comprehensive science-based solution proposed by the state to modernize critical water delivery infrastructure of the SWP. The California WaterFix proposes construction of new water intakes in the north Delta and two 40-foot diameter tunnels under the Delta terminating at a forebay in the south Delta. This would fulfill the requirement of the 2009 Delta Reform Act to contribute toward meeting the coequal goals of more reliably delivering water for California and protecting, restoring and enhancing the Delta ecosystem.

The estimated cost of California WaterFix is about $17 billion in 2017 dollars, with Metropolitan's share about 26 percent of that, or $4.3 billion. On October 10, 2017, Metropolitan's Board voted to support California WaterFix financing as well as moving forward on a governance structure to build and finance the $17 billion project. Metropolitan's share of costs for the California WaterFix have been included in the Biennial Budget beginning in FY 2018/19. Information regarding California WaterFix is located on Metropolitan's website at http://www.mwdh2o.com/DocSvcsPubs/WaterFix/.

Regional Recycled Water Program

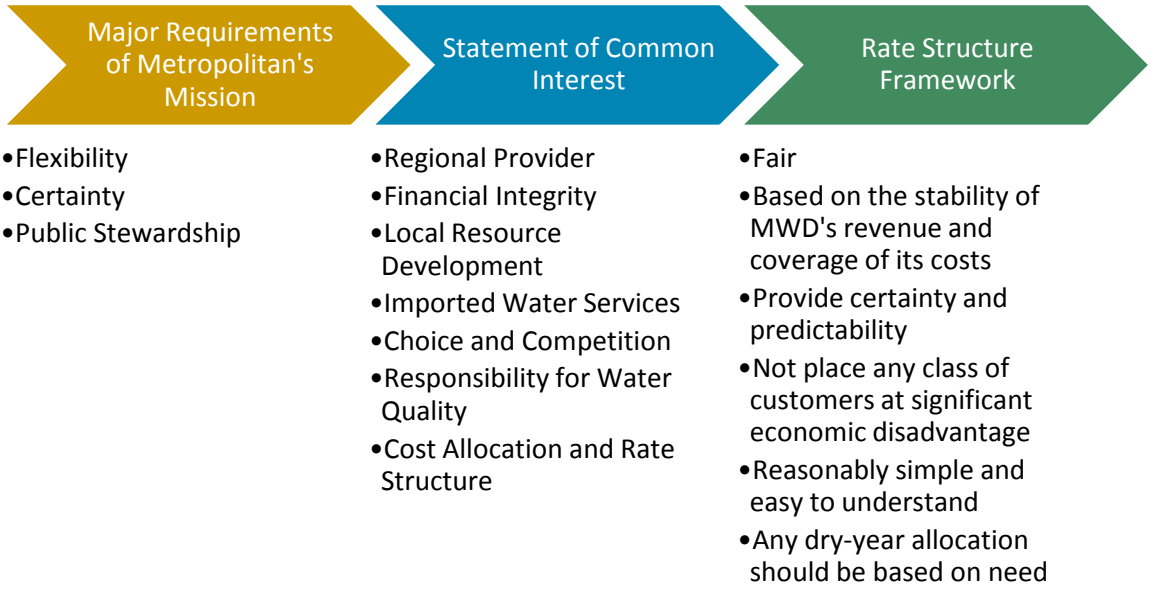
On July 11, 2017, Metropolitan's Board voted to award a contract for the construction of an advanced water treatment demonstration facility that will take treated wastewater and purify it through various advanced treatment technologies to produce a safe, high-quality water source to replenish the region's groundwater basins. The Regional Recycled Water Program (RRWP), a partnership between Metropolitan and the Sanitation Districts of Los Angeles County, will produce 500,000 gallons per day and will be operated for at least one year to generate information needed to increase the efficiency of the treatment processes that may be used in a potential full-scale recycled water facility. The full-scale project, viewed as a potential third source of water for Metropolitan, would provide a reliable, drought-proof, climate-resilient, local supply to recharge groundwater basins. The demonstration facility will be used to confirm treatment costs, allow for assessment of the economic viability of a full-scale project, provide opportunities for public outreach, and produce other data that can be used in the decision-making process for the future design, operation and optimization of a full-scale program. The capital and operations and maintenance costs of the demonstration facility have been included in this Biennial Budget, however the Board has not yet committed to a full-scale project and the potential costs for the full-scale project are not included in the Biennial Budget. Information regarding the RRWP is located on Metropolitan's website at http://www.mwdh2o.com/DocSvcsPubs/rrwp/index.html#home.

RATE STRUCTURE

Framework

The Rate Structure Framework evolved through a comprehensive strategic planning process initiated in 1998. As depicted in the following figure, the first step of the process was to identify the "Major Requirements of Metropolitan's Mission," which was reflected in the Strategic Plan Policy Principles. The Statement of Common Interests formed the basis of Metropolitan's strategic plan to address these mission requirements. One of the most important common interests was "Cost Allocation and Rate Structure." In determining the most appropriate Cost of Service (COS) and rate structure, a set of pricing objectives, or guiding rate principles, was developed. These guiding rate principles defined Metropolitan's Rate Structure Framework by which various COS and rate-setting methodologies could be evaluated.

Development of the Rate Structure Framework



The strategic planning process which established the foundation of the Rate Structure Framework is discussed below.

Major Requirements of Metropolitan's Mission

As one of the first steps in the strategic planning process in 1998, the Board developed a list of three mission requirements in its Metropolitan vision statement – flexibility, certainty, and public stewardship:

- **Flexibility.** Metropolitan is aware of the legislative and economic pressures which make flexibility in providing water services for a changing demand and in a competitive water market paramount. Fair compensation for wheeling through Metropolitan's conveyance systems is an essential element of Southern California's developing market.

- **Certainty.** The certainty that Metropolitan's water supply is reliable and that the COS is appropriate is of utmost importance to member agencies and their retailers who are endeavoring to provide not only water, but value to the residents in their service area.
- **Public Stewardship.** As public stewards of much of Southern California's water supply, Metropolitan and its member agencies are responsible for making certain that the water is provided in a cost-effective and environmentally sound manner.

Statement of Common Interests

From the strategic planning mission requirements, the Board developed a list of seven areas of common interest that formed the major focus elements of the Metropolitan strategic plan:

- **Regional provider.** This area includes the concerns of protecting regional infrastructure and providing service during drought periods. Regional water must be provided to meet the needs of the member agencies, and water supplies must be equitably allocated during drought periods based on the Water Surplus and Drought Management Plan principles.
- **Financial integrity.** It is a common interest of the members for Metropolitan to assure the financial integrity of the agency in all aspects of its operations.
- **Local resource development.** Metropolitan supports local resources development by working in partnership with its member agencies and by providing member agencies with financial incentives for water conservation and for local projects.
- **Imported water service.** Metropolitan is responsible for providing imported water to meet the committed needs of its member agencies.
- **Choice and competition.** After Metropolitan provides imported water for the member agencies' committed demands, a member agency can choose the most cost-effective additional water supplies for its customers. These choices include either Metropolitan, local resource development, market transfers, or some combination of these secondary options. Metropolitan and its member agencies can decide how to provide these additional supplies collaboratively while balancing local, imported, and market opportunities with affordability.
- **Responsibility for water quality.** Metropolitan must advocate source water quality and implement in-basin water quality for the imported water it supplies. This is necessary to guarantee compliance with primary drinking water standards and to meet the water quality requirements for water recycling and ground water replenishment.
- **Cost allocation and rate structure.** The framework for a revised rate structure will be established to address allocation of costs, financial commitment, unbundling of services, and fair compensation for services including wheeling, peaking, growth, and others.

Rate Structure Framework

A major element of common interest was *"Cost Allocation and Rate Structure."* In addressing this element a set of pricing objectives, or guiding rate principles, had to be developed to evaluate alternative COS and rate setting approaches, or methodologies. As a result, the Board adopted a set of rate principles which was defined as the *Rate Structure Framework.* The Rate Structure Framework provided the principles for the Strategic Planning Steering Committee to develop a preferred rate structure. The Rate Structure Framework includes the following principles:

- The rate structure should be *fair;*
- It should be based on the *stability* of Metropolitan's revenue and coverage of its costs;
- It should provide certainty and predictability;

- It should not place any class of customers at *significant economic disadvantage*;
- It should be reasonably *simple and easy to understand*; and
- Any dry-year allocation should be *based on need*.

The 2001 COS and rate structure was adopted by the Board to address the Rate Structure Framework.

Rate Structure Design

The elements of the rate structure, and the rates and charges for calendar year 2018 are summarized in Table 9 below:

Table 9: Rate Elements, Calendar Year 2018

Rate Design Elements	Functional Costs Recovered	Type of Charge	Rate or charge effective January 1, 2018
Tier 1 Supply Rate	Supply	Volumetric ($/af)	$209
Tier 2 Supply Rate	Supply	Volumetric ($/af)	$295
System Access Rate	Conveyance/Distribution (Average Capacity)	Volumetric ($/af)	$299
Water Stewardship Rate	Demand Management	Volumetric ($/af)	$55
System Power Rate	Power	Volumetric ($/af)	$132
Treatment Surcharge	Treatment	Volumetric ($/af)	$320
Capacity Charge	Peak Distribution Capacity	Fixed ($/cfs)	$8,700
Readiness-to-Serve Charge	Conv./Distr./Emergency Storage (Standby Capacity)	Fixed ($M)	$140

Supply Rates

Purpose

The rate structure recovers supply costs through a two-tiered price structure. The amount of water a member agency may purchase at a lower Tier 1 Supply Rate, water sales within a member agency's Tier 1 maximum, is established by either a purchase order agreement or calculated as 60% of its Revised Base Firm Demand.

Tier 1 Supply Rate

The Tier 1 Supply Rate is a volumetric rate charged on Metropolitan's water sales that are within a member agency's Tier 1 maximum. The Tier 1 Supply Rate Supports a regional approach through the uniform, postage stamp rate. The Tier 1 Supply Rate is calculated as the amount of the total supply revenue requirement that is not recovered by the Tier 2 supply Rate divided by the estimated amount of Tier 1 water sales.

Tier 2 Supply Rate

The Tier 2 Supply Rate is a volumetric rate that reflects Metropolitan's cost of purchasing water transfers north of the Delta. The Tier 2 Supply Rate is charged on Metropolitan water sales that exceed a member agency's Tier 1 maximum. The Tier 2 Supply Rate encourages the member agencies and their customers to maintain existing local supplies and develop cost-effective local supply resources and conservation.

Implementation

Because the Tier 1 maximum is set at a total member agency level and not at a meter level, all system water delivered will be billed at the Tier 1 Supply Rate. Any water delivered that exceeds the Tier 1 maximum will be billed an additional amount equivalent to the difference between the Tier 2 and Tier 1 Supply Rates.

For member agencies without purchase orders and member agencies with purchase orders that accrue a cumulative Tier 2 obligation at the end of year five of the purchase order, the Tier 2 Supply Rate will be applied in the month where the Tier 1 maximum is surpassed on all applicable deliveries. Otherwise, any obligation to pay the Tier 2 Supply Rate will be calculated over the ten-year period, consistent with the calculation of any purchase order commitment obligation.

System Access Rate (SAR)

Purpose

The SAR recovers the cost of the Conveyance and Distribution System that is used on an average annual basis through a uniform, volumetric rate. All users (member agencies and third–party wheelers) pay the SAR for access to conveyance and distribution capacity in the Metropolitan system.

Implementation

The SAR is charged for each acre-foot of water transported by Metropolitan, regardless of the ownership of the water being transported. All users (member agencies and third-party wheelers) using the Metropolitan system to transport water pay the same SAR for the use of the system conveyance and distribution capacity used to meet average annual demands.

Water Stewardship Rate (WSR)

Purpose

The WSR provides a dedicated source of funding for conservation and local resources development through a uniform, volumetric rate. The WSR supports past and future conservation and local resources projects. Because of the uniform benefits conferred on all system users by investments in conservation and local resources, all users of Metropolitan's conveyance and distribution system pay the WSR.

Implementation

The WSR is charged to each acre-foot of water delivered by Metropolitan, regardless of the water being transported. All users (member agencies and third-party wheelers) benefit from avoided system infrastructure costs through conservation and local resources development, and from the system capacity made available by investments in Demand Management Programs like Metropolitan's Conservation Credits Program and Local Resources Program. Therefore, all users pay the WSR.

System Power Rate (SPR)

Purpose

The SPR recovers the costs of energy required to pump water to Southern California through the SWP and CRA. The cost of power is recovered through a uniform, volumetric rate.

Implementation

The SPR is applied to all deliveries of Metropolitan water to member agencies. Wheeling parties pay for actual cost (not system average) of power needed to move the water. Member agencies engaging in wheeling transactions of up to one year pay the wheeling rate (consisting of the actual cost of power, SAR, WSR, and an administrative fee). Other wheeling transactions are pursuant to individual contracts. For example, a party wheeling water through the California Aqueduct would pay the variable power cost associated with using the SWP transportation facilities.

Treatment Surcharge

Purpose

The Treatment Surcharge recovers all of the costs of providing treatment capacity and operations through a uniform, volumetric rate per acre-foot of treated water transactions.

Implementation

The Treatment Surcharge is charged to all treated water transactions.

Capacity Charge

Purpose

The Capacity Charge recovers the costs incurred to provide peak capacity within the Distribution System. The Capacity Charge provides a price signal to encourage agencies to reduce peak demands on the Distribution System and to shift demands that occur during the May 1 through September 30 period into the October 1 through April 30 period, resulting in more efficient utilization of Metropolitan's existing infrastructure and deferring capacity expansion costs.

Implementation

Each member agency will pay the Capacity Charge per cubic feet per second (cfs) based on a three-year trailing peak (maximum) day demand, measured in cfs. Each member agency's peak day is likely to occur on different days; therefore this measure approximates peak week demands on Metropolitan.

Readiness-To-Serve Charge (RTS)

Purpose

The RTS recovers the cost of the portion of system that is available to provide emergency service and available capacity during outages and hydrologic variability.

Implementation

The RTS is a fixed charge that is allocated among the member agencies based on a ten-fiscal-year rolling average of firm demands. Water transfers and exchanges are included for purposes of calculating the ten-year rolling average[4]. The Standby Charge will continue to be collected at the request of the member agency and applied as a direct offset to the member agency's RTS obligation.

[4] The SDCWA Exchange Water amounts are excluded from the calculation of the ten-year rolling average per the terms of the Amended and Restated Agreement Between the Metropolitan Water District of Southern California and the San Diego County Water Authority for the Exchange of Water.

Purchase Order Option

Purpose

The current rate structure allows member agencies to choose to purchase water from Metropolitan by means of a Purchase Order. Purchase Orders are voluntary agreements that determine the amount of water that a member agency can purchase at the Tier 1 Supply Rate. They allow member agencies to purchase a greater amount of water at the lower Tier 1 Supply Rate than would otherwise be authorized by the Administrative Code. In exchange for the higher Tier 1 Maximum, the member agency commits to purchase a specific amount of water (based on past purchase levels) over the term of the agreement. Such agreements allow member agencies to manage costs and provide Metropolitan with a measure of secure revenue.

In November 2014, the Metropolitan Board approved new Purchase Orders effective January 1, 2015 through December 31, 2024 (the "Purchase Order Term"). Twenty-one of the twenty-six member agencies have Purchase Orders, which commit the member agencies to purchase a minimum amount of supply from Metropolitan (the "Purchase Order Commitment").

The key terms of the Purchase Orders include:

- A ten-year term, effective January 1, 2015 through December 31, 2024;
- A higher Tier 1 limit based on the Base Period Demand, determined by the member agency's choice between (1) the Revised Base Firm Demand, which is the highest fiscal year purchases during the 13-year period of fiscal year 1990 through fiscal year 2002, or (2) the highest year purchases in the most recent 12-year period of fiscal year 2003 through 2014. The demand base is unique for each member agency, reflecting the use of Metropolitan's system water over time;
- An overall purchase commitment by the member agency based on the Demand Base period chosen, times ten to reflect the ten-year Purchase Order term. Those agencies choosing the more recent 12-year period may have a higher Tier 1 Maximum and commitment. The commitment is also unique for each member agency.
- The opportunity to reset the Base Period Demand using a five-year rolling average;
- Any obligation to pay the Tier 2 Supply Rate will be calculated over the ten-year period, consistent with the calculation of any Purchase Order commitment obligation; and
- An appeals process for agencies with unmet purchase commitments that will allow each acre-foot of unmet commitment to be reduced by the amount of production from a local resource project that commences operation on or after January 1, 2014.

Member agencies that do not have Purchase Orders in effect are subject to Tier 2 Supply Rates for amounts exceeding 60 percent of their base amount (equal to the member agency's highest fiscal year demand between 1989-90 and 2001-02) annually.

Implementation

Purchase Order Commitments are unique for each member agency. The commitment is calculated based on the demand base chosen (the "Base Period Demand") and multiplied by ten to reflect the ten-year Purchase Order Term. If a member agency opted to use the Revised Base Firm Demand, which is the highest fiscal year purchases during the original 13-year period of fiscal year 1990 through fiscal year 2002 for their Purchase Order, their Commitment is 60% of the 2003 Initial Base Firm Demand, the same as the previous Amended and Restated Purchase Order agreement, multiplied by ten. If a member agency opted to use the more recent 12-year period of fiscal year 2003 through fiscal year 2014 for their Purchase Order, their Commitment is 60% of the highest year in the period of fiscal year 2003 through fiscal year 2014, multiplied by ten. The Purchase Order Commitment is fixed for the Purchase Order Term.

At the end of the Purchase Order Term, if the member agency has not purchased enough firm supply to meet its Purchase Order Commitment, it will be billed for the remaining balance of the Purchase Order Commitment at the average of the Tier 1 Supply Rate in effect during the Term. This payment may be prorated with interest evenly over the next 12 invoices.

If a member agency fulfills its Purchase Order Commitment prior to the end of the Purchase Order Term, then the member agency has met its obligation under the Purchase Order. The member agency may continue to purchase up to 90 percent of its cumulative Base Period Demand over the Term at the Tier 1 Supply Rate for the duration of the Purchase Order Term.

Firm water purchases made under the terms of the Purchase Order agreements are subject to reduction in accordance with the shortage allocation provisions of the Water Surplus and Drought Management Plan (WSDM Plan) implemented through the Water Supply Allocation Plan (WSAP). In the event that Metropolitan's Board or General Manager determines to reduce, interrupt or suspend deliveries of water, any outstanding balance of the Purchase Order Commitment at the end of the Term will be reduced by the "Purchase Order Commitment—Annual Average" for each and every fiscal or calendar year that a reduction, interruption or suspension occurred.

The following water transactions will be counted toward the Purchase Order Commitment:

- Tier 1 Supply Rate
- Tier 2 Supply Rate
- Conjunctive Use sales
- Cyclic sales.

The current bundled full service costs are shown in Table 10.

Table 10: Bundled Full Service Costs[5]

Rate Type	Type of Charge	Rate or charge effective January 1, 2018
Tier 1 Full Service Untreated Cost	Volumetric ($/af)	$695
Tier 2 Full Service Untreated Cost	Volumetric ($/af)	$781
Tier 1 Full Service Treated Cost	Volumetric ($/af)	$1,015
Tier 2 Full Service Treated Cost	Volumetric ($/af)	$1,101

The Tier 1 Full Service Untreated Cost consists of the following rate elements: The Tier 1 Supply Rate, the System Access Rate, the System Power Rate, and the Water Stewardship Rate.

The Tier 2 Full Service Untreated Cost consists of the following rate elements: The Tier 2 Supply Rate, the System Access Rate, the System Power Rate, and the Water Stewardship Rate.

The Tier 1 Full Service Treated Cost consists of the following rate elements: The Tier 1 Supply Rate, the System Access Rate, the System Power Rate, the Water Stewardship Rate, and the Treatment Surcharge.

The Tier 2 Full Service Treated Cost consists of the following rate elements: The Tier 2 Supply Rate, the System Access Rate, the System Power Rate, the Water Stewardship Rate, and the Treatment Surcharge.

[5] Nineteen of Metropolitan's member agencies have invoices prepared using bundled rates; seven of Metropolitan's member agencies have invoices prepared using the unbundled rate elements.

COST OF SERVICE

A Cost of Service (COS) study is a method to equitably allocate the revenue requirements of a utility between the various users of service. Costs of operating a utility are not accounted for on a specific user or service basis. Many costs are incurred for the joint benefit of all users, while other costs may benefit only the users of certain services. Metropolitan uses the COS methodology to functionalize, allocate and distribute costs to services provided. The unbundled rate structure is used to collect revenue based on the services provided to different member agencies.

AWWA Guidelines

The American Water Works Association (AWWA) is the professional association which, among other functions, identifies water industry standards for financial management and rate-setting practices. AWWA publishes a document on these topics in its Manual of Water Supply Practices series, which is the AWWA's Ml, Principles of Water Rates, Fees, and Charges, Seventh Edition.

AWWA manual Ml Seventh Edition delineates a number of guidelines and principles that are intended to be observed in the broad development of cost of service and rate setting steps[6]. The COS process reflects the M1 Seventh Edition guidelines and principles, which were carefully considered in the conceptual design of the Metropolitan COS. Major AWWA guidelines and principles considered in the proposed COS approach are outlined below.

- One of the most effective methods used to accommodate the impact of rapidly increasing costs on rate design is the use of a "forward looking" or prospective rate period. This procedure is frequently used by government-owned utilities in determining COS. The COS follows this approach by incorporating budget data for upcoming fiscal years, using projected debt service and State Water Contract payment obligation data, and applying annual escalation factors to operations and maintenance costs.
- The purpose of performing functional assignment of costs is to express the utility's cost of service in terms that make it possible to allocate and then distribute costs to services in accordance with the costs of serving each class of customer, or in Metropolitan's case, each function type. In keeping with AWWA recommendations, the functional assignment and commodity/demand allocation modules of the COS allow identification of functional cost components at a level that allows the unbundling of Metropolitan's rates.
- The cash-needs approach to identifying revenue requirements is one of two methodologies endorsed by AWWA principles and is frequently used by government-owned utilities. The COS's revenue requirements module is consistent with this approach.
- In areas where seasonal usage patterns impose significant demands on the utility, consideration may be given to separate charges for such use. System costs associated with accommodating seasonal use may be

[6] The majority of the M1 Seventh Edition is written for utilities providing retail service or combined retail and wholesale service. The distinction in practices for wholesale-only utilities is indirect; care must be taken to be attuned to these distinctions such that the guidelines are not incorrectly applied or misrepresented.

recovered either through rates applied to separate metering for such services or through charges applied based on seasonal use. This principle is consistent with the conceptual design of the COS's allocation module.

General principles for establishing charges state that:

- Beneficiaries of a service should pay for that service.
- The level of service charges should be related to the cost of providing the service.
- The price of services may be used to change user behavior and demand for the good or service.

The proposed COS process is consistent with these principles.

AWWA's M1 Seventh Edition provides rate-setting objectives as a basis for evaluating water utility rate designs. These objectives have all been considered in the development of the proposed COS process and resulting rates, fees and charges for service[7].

- Effectiveness in yielding total revenue requirements (full cost recovery).
- Revenue stability and predictability.
- Stability and predictability of the rates themselves from unexpected or adverse changes.
- Promotion of efficient resource use (conservation and efficient use).
- Fairness in the apportionment of total costs of service among the different ratepayers.
- Avoidance of undue discrimination (subsidies) within the rates.
- Dynamic efficiency in responding to changing supply and demand patterns.
- Freedom from controversies as to proper interpretation of the rates.
- Simple and easy to understand.
- Simple to administer.
- Legal and defendable.

It should be noted that there are circumstances in which some of these objectives can be in conflict with each other. For example, competing objectives could be conservation and revenue stability. To incentivize conservation, a utility might develop a rate structure that was 100 percent volumetric. To provide revenue stability, the same utility might develop a rate structure that was 100 percent fixed. Because of such conflict potential, all of the AWWA pricing objectives must be carefully balanced when selecting a preferred COS and rate setting approach.

Cost of Service

Prior to discussing the specific rates and charges that make up the rate structure, it is important to understand the cost of service process that supports the rates and charges. The AWWA M1 Seventh Edition sets out the steps in the COS process as: (1) identify which costs should be recovered through rates and charges (the revenue requirement); (2) organize costs into service functions (functionalize); (3) allocate service function costs on the basis for which the cost was incurred (allocate); and (4) distribute costs to rate elements (distribute). The process acronym is FAD: functionalize, allocate, distribute. The balance of this

[7] Manual of Water Supply Practices, M1, Principles of Water Rates, Fees and Charges, American Water Works Association, Seventh Edition, pg.4

report uses this nomenclature, while tailoring the process to Metropolitan's unique service obligations and member agency needs.

The purpose of sorting Metropolitan's costs in a manner that reflects the type of function (e.g., supply vs. conveyance), the characteristics of the cost (e.g., fixed or variable) and the reason why the cost was incurred (e.g., to meet peak or average demand) is to create logical cost of service "building blocks". The building blocks can then be arranged to design rates and charges with a reasonable nexus between costs and benefits.

Cost of Service Process

The general cost of service process involves the basic steps outlined below.

Step 1 - Development of Revenue Requirements

In the revenue requirement step, the costs that Metropolitan must recover through rates and charges, after consideration of revenue offsets, are identified. The cash-needs approach, an accepted industry practice for government-owned utilities, has historically been used in identifying Metropolitan's revenue requirements[8]. Although the utility approach would be acceptable under AWWA guidelines, the cash-needs approach was applied for the purposes of this study. All of Metropolitan's costs fall under the broad categories of either Departmental Costs or General District Requirements. Departmental Costs include budgeted items identified with specific departments within Metropolitan. General District Requirements primarily consist of requirements associated with the CRA, SWP, Supply Programs, Demand Management Programs, and capital financing costs. General District Requirements also include reserve fund transfers required by bond covenants and Metropolitan's Administrative Code. Under the cash needs approach, revenue requirements include operating costs and annual requirements for meeting financed capital items (debt service and funding of the CIP from operating revenues).

Step 2 - Functionalization of Costs

To allow for the development of rates that properly reflect the costs of providing different service types (full service treated, full service untreated, and wheeling), revenue requirements should be categorized based on the operational functions served by each cost. In the functional assignment step, revenue requirements are assigned to different categories based on the operational functions served by each cost. The functional categories are identified in such a way as to allow the development of logical assignment bases. The functional categories used in the cost of service process include:

- Supply
- Conveyance and Aqueduct
- Storage
- Treatment
- Distribution
- Demand Management
- Administrative and General
- Hydroelectric

[8] The primary difference between the two methods is how capital-related costs are approached. The cash-needs approach uses debt service on bonds and capital funded from rates; the utility approach uses depreciation and a return on Rate Base or Investment.

These functional assignments reflect the unique functions that Metropolitan undertakes and enable the ultimate unbundling of services consistent with the Strategic Plan Policy Principles. In order to provide more finite functional assignment, many of these functional categories are subdivided into more detailed sub-functions in the COS process. For example, costs for the Supply and Conveyance and Aqueduct functions are further subdivided into the sub-functions SWP, CRA, and Other. Similarly, costs in the Storage function are broken down into the sub-functions Emergency Storage, Drought Carryover Storage, and Regulatory Storage.

Step 3 - Allocation of Costs

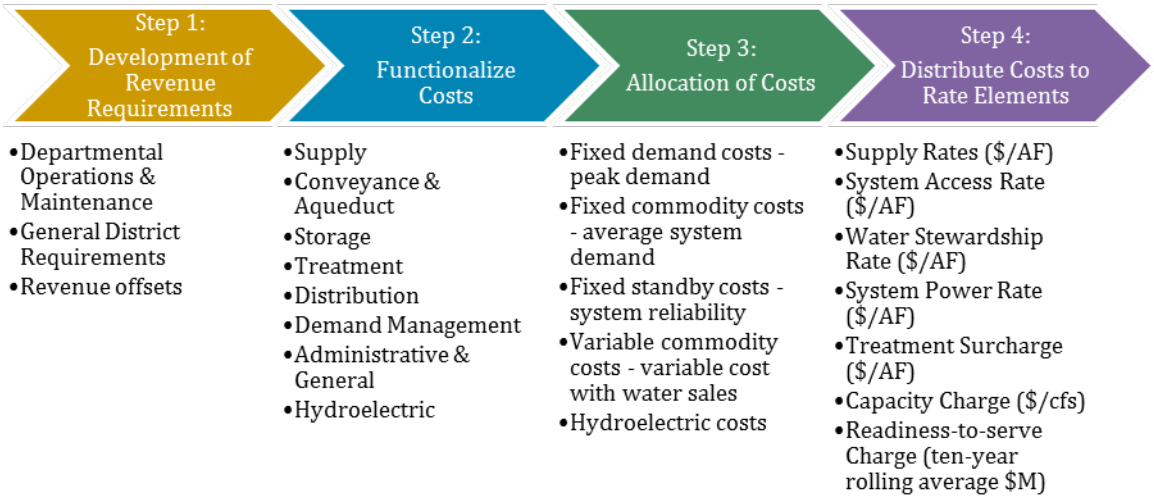
In the cost allocation step, functionalized costs are separated into categories according to their causes and behavioral characteristics. Proper cost allocation is critical in developing a rate structure that recovers costs in a manner consistent with the causes and behaviors of those costs. Under AWWA guidelines, cost allocation may be done using either the Base/Extra-Capacity approach or the Commodity/Demand approach. In the simplest sense, these approaches offer alternative means of distinguishing between utility costs incurred to meet average or base demands and costs incurred to meet peak demands. The Commodity/Demand approach was selected because it: (1) is best suited for systems where design criteria are focused on peaking patterns within a long-term time frame, such as peak month and peak week, (2) it works well in situations where complex cost relationships exist in the service area and attempting to allocate costs to peak day and peak hour functions would be complicated and often impractical, and (3) it allows for the development of the most appropriate COS classification bases because of the way Metropolitan's financial and operational data is organized. The Commodity/Demand approach was modified for its application to Metropolitan's rate structure by adding a separate cost allocation for costs related to Metropolitan's standby function. Analysis of system operating data indicated that a modified Commodity/Demand approach was most appropriate for developing Metropolitan's cost of service allocation bases.

Step 4 - Distribution to Rate Elements

The distribution of costs to the rate design elements depends on the purpose for which the cost was incurred and the manner in which the member agencies use the Metropolitan system. For example, costs incurred to meet average system demands are typically recovered by dollar per acre-foot rates and are distributed based on the volume of water purchased by each agency. Rates that are levied on the amount or volume of water delivered are commonly referred to as volumetric rates as the customer's costs vary with the volume of water purchased. Costs incurred to meet peak distribution demands (referred to in this report as demand costs) are recovered through a peaking charge (the Capacity Charge) and are distributed to agencies based on their peak summer demand behavior. Costs incurred to provide system reliability in the event of an emergency, major outage or hydrologic variability (referred to in this report as standby costs) are recovered through a Readiness-To-Serve Charge. Differentiating between costs for average, peak, and standby is just one example of how the COS process allows for the design of rates and charges to achieve overall customer equity and efficiency.

With regard to treatment-related costs, all costs, whether for average, peak, or standby, are recovered by dollar per acre-foot rates and are distributed based on the volume of treated water purchased. The following figure summarizes the Metropolitan COS process.

Cost of Service Process



Revenue Requirements

The estimated revenue requirements presented in this report are for FY 2018/19 and 2019/20. Throughout the report, the fiscal years are used as the "test years" to demonstrate the application of the cost of service process. Schedule 1 and Schedule 2 summarize the FY 2018/19 and FY 2019/20 revenue requirements, respectively, by the major budget line items used in Metropolitan's budgeting process.

Current estimates indicate Metropolitan's annual expenditures (including capital financing costs, but not construction outlays financed with bond proceeds) will total approximately $1.72 billion in FY 2018/19 and $1.78 billion in FY 2019/20. These expenditures support sales of 1.65 million-acre-feet (MAF) in FY 2018/19 and 1.75 MAF in FY 2019/20, which are average demands based analyses prepared by Water Resource Management (WRM), and assume a 50 percent allocation on the SWP, consistent with average allocations since 2004, and CRA diversions of 0.84 MAF in FY 2018/19 and 0.92 MAF in FY 2019/20.

The rates and charges do not have to cover this entire amount. Metropolitan generates a significant amount of revenue from interest income, hydroelectric power sales and miscellaneous income. These internally generated revenues are referred to as revenue offsets and are expected to generate about $49 million in FY 2018/19 and $48 million in FY 2019/20. It is expected that Metropolitan will also generate about $117 million in ad valorem property tax revenues (assuming that ad valorem tax rates are maintained at 0.0035 percent of assessed valuation) in FY 2018/19 and $118 million in FY 2019/20. Property tax revenues are used to pay for a portion of Metropolitan's general obligation bond debt service, and a portion of Metropolitan's obligation to pay for debt service on bonds issued to fund the SWP, and other SWP costs. The total revenue offsets are estimated to be about $165 million in FY 2018/19 and $167 million in FY 2019/20. Therefore, the revenue required from rates and charges is the difference between the total costs and the revenue offsets, or $1.56 billion in FY 2018/19 and $1.62 billion in FY 2019/20. Given an effective date of January 1, 2019 and January 1, 2020, respectively, the rates and charges recommended in this report, combined with rates and charges effective through December 31, 2018 will generate a total of $1.57 billion in FY 2018/19 and $1.69 billion in FY 2019/20.

All of Metropolitan's costs fall under the broad categories of Departmental Costs or General District Requirements. Departmental Costs include budgeted items identified with specific organizational groups. General District Requirements consist of requirements associated with the CRA, SWP, Supply Programs,

Demand Management Programs, and capital financing costs associated with the Capital Investment Plan (CIP). General District Requirements also include reserve fund transfers required by bond covenants and Metropolitan's Administrative Code.

Schedule 1: Revenue Requirements (by budget line item), FY 2018/19

	Fiscal Year Ending 2019	% of Revenue Requirements (1)
Departmental Operations & Maintenance		
Office of General Manager	$ 17,290,102	0.9%
Water Systems Operations	235,015,308	12.4%
Water Resources Management	22,896,094	1.2%
Engineering Services	36,874,205	2.0%
Business Technology	60,838,807	3.2%
Real Property	16,004,331	0.8%
Human Resources	11,801,151	0.6%
Office of the Chief Financial Officer	23,484,293	1.2%
External Affairs	26,394,008	1.4%
General Counsel	13,587,754	0.7%
General Auditor	3,462,019	0.2%
Ethics Office	1,334,788	0.1%
Total	**468,982,859**	**24.8%**
General District Requirements		
State Water Project	566,701,479	30.0%
Colorado River Aqueduct Power Costs	45,836,144	2.4%
Supply Programs	61,164,062	3.2%
Demand Management Programs	89,059,873	4.7%
Capital Financing Program	451,952,341	23.9%
Other Operating Costs	8,522,076	0.5%
Increase/(Decrease) in Required Reserves	31,600,000	1.7%
Total	**1,254,835,975**	**66.4%**
Revenue Offsets	**(165,287,476)**	**8.7%**
Net Revenue Requirements	**$ 1,558,531,358**	**100.0%**

(1) Given as a percentage of the absolute values of total dollars apportioned
Totals may not foot due to rounding

Schedule 2: Revenue Requirements (by budget line item), FY 2019/20

	Fiscal Year Ending 2020	% of Revenue Requirements (1)
Departmental Operations & Maintenance		
Office of General Manager	$ 16,700,676	0.9%
Water Systems Operations	245,028,571	12.6%
Water Resources Management	23,961,732	1.2%
Engineering Services	36,741,395	1.9%
Business Technology	68,339,747	3.5%
Real Property	16,098,777	0.8%
Human Resources	12,314,002	0.6%
Office of the Chief Financial Officer	24,088,017	1.2%
External Affairs	26,529,633	1.4%
General Counsel	14,532,588	0.7%
General Auditor	3,685,193	0.2%
Ethics Office	1,384,584	0.1%
Total	**489,404,914**	**25.1%**
General District Requirements		
State Water Project	602,549,255	30.9%
Colorado River Aqueduct Power Costs	52,947,173	2.7%
Supply Programs	54,393,509	2.8%
Demand Management Programs	85,810,324	4.4%
Capital Financing Program	450,919,612	23.1%
Other Operating Costs	6,955,417	0.4%
Increase/(Decrease) in Required Reserves	41,300,000	2.1%
Total	**1,294,875,289**	**66.4%**
Revenue Offsets	**(166,457,897)**	**8.5%**
Net Revenue Requirements	**$ 1,617,822,306**	**100.0%**

(1) Given as a percentage of the absolute values of total dollars apportioned
Totals may not foot due to rounding

Departmental Costs

Departmental costs consist of salary and benefits, chemicals, and power, outside services, materials and supplies, association dues, insurance expenses, leases, property taxes, and operating equipment budgeted by the General Manager's Department, as well as the General Counsel, General Auditor, and Ethics Officer.

The FY 2018/19 Operations and Maintenance (O&M), or Departmental, budget, including operating equipment purchases, is $477.5 million. This is $57.7 million, or 13.8 percent, higher than the FY 2017/18 budget of $419.8 million. The FY 2019/20 O&M budget is $496.4 million, an increase of $18.9 million, or 4.0 percent, over the FY 2018/19 budget.

The proposed FY 2018/19 O&M budget includes $468.9 million for labor and benefits, water treatment chemicals, power, and solids handling, materials and supplies, professional services, and operating equipment purchases. This is $86.2 million, or 22.5 percent, higher than the FY 2017/18 budget of $382.7 million due primarily to negotiated labor, benefits, and outside services cost increases. Variable treatment costs are also higher due to more treated water transactions. The total authorized personnel complement for the FY 2018/19 budget is 1,927authorized positions, including 27 agency and district temporary full-time equivalents (FTEs), and reflects an increase of 17 full-time positions from the FY 2017/18 budget. Incorporating unfunded positions and positions that are planned to be vacant for portions of the year, the total funded positions are 1,862 FTEs.

The proposed FY 2019/20 O&M budget is $489.4 million, an increase of $20.5 million, or 4.3 percent, compared to the FY 2018/19 budget. This increase is primarily due to negotiated labor, benefits, and outside services cost increases, and slight increase in chemical and power costs to operate the treatment plants due to slightly higher treated water transactions. The total authorized personnel complement for FY 2019/20 is increased by 5 positions to 1,932 authorized positions. Incorporating unfunded positions and positions that are planned to be vacant for portions of the year, the total funded positions are 1,868 FTEs.

The Departmental Budget is described in detail in the Biennial Budget document.

General District Revenue Requirements

General District Requirements include costs for the SWP, CRA power, Supply Programs, Demand Management Programs, and the Capital Financing costs. Each of these areas is described in the following.

State Water Project

All costs of the State Water Contract capital expenditures and costs of the operations, maintenance, power and replacement (OMPR) associated with water conservation (supply) and transportation (delivery) are paid by the 29 State Water Contractors. Metropolitan recovers the costs associated with the State Water Contract through ad valorem property taxes, the Tier 1 Supply Rate, System Access Rate, the System Power Rate, and the Readiness-to-Serve Charge.

Articles 22 through 26 of the State Water Contract provide that all costs DWR might incur to conserve and transport water to Metropolitan will be recovered from Metropolitan. Metropolitan is responsible for paying the costs necessary to conserve and transport SWP water regardless of whether Metropolitan receives any water at all. Only the Transportation Variable, which recovers power costs for pumping through SWP transportation facilities to Metropolitan, varies depending on the amount of water delivered to Metropolitan. In the event Metropolitan does not pay DWR, DWR can require Metropolitan to recover its SWP costs through property taxes. DWR has no recourse to go to the State General Fund to pay SWP costs. DWR has no exposure whatsoever for any revenue shortfall, cost changes, or the cost impacts of operational limitations; these risks are solely the Contractors' risks.

Annually, the DWR reviews and redetermines the water supply and financial aspects of the SWP as required by the State Water Contract. The annual review and redetermination results in the annual Statement of Charges to the Contractors for each calendar year. The information that supports the Statement of Charges is published by the DWR as Appendix B to the appropriate Bulletin 132 (i.e., the Statement of Charges for Calendar Year 2018 is supported by Appendix B to Bulletin 132-17). DWR does not charge rates for water service. It does not develop a revenue requirement and then develop rates based on projected billing determinants for a calendar year. Rather, DWR apportions its costs to the Contractors based on their proportionate share of conservation (supply) costs (the Delta Water Charge) and transportation (delivery) costs (the Transportation Charge).

For FY 2018/19, budgeted State Water Contract costs are $566.7 million. For FY 2019/20, budgeted State Water Contract costs are $602.5 million. The expenditures for the SWP, which include projected costs associated with the California WaterFix, are described in detail in the Biennial Budget document.

Colorado River Aqueduct

Metropolitan owns, operates, and manages the CRA. Metropolitan is responsible for operating, maintaining, rehabilitating, and repairing the CRA, and is responsible for obtaining and scheduling energy resources adequate to power pumps at the CRA's five pumping stations.

In fiscal years 2018/19 and 2019/20, it is projected Metropolitan will receive annual CRA water diversions of approximately 0.79 MAF and 0.9 MAF respectively. The budgeted power costs for the CRA are $45.8 million in FY 2018/19 and $52.9 million in FY 2019/20.

The CRA costs for delivery and supply are reflected in the Departmental costs and in the costs of the appropriate service functions. The expenditures for CRA power are described in detail in the Biennial Budget document.

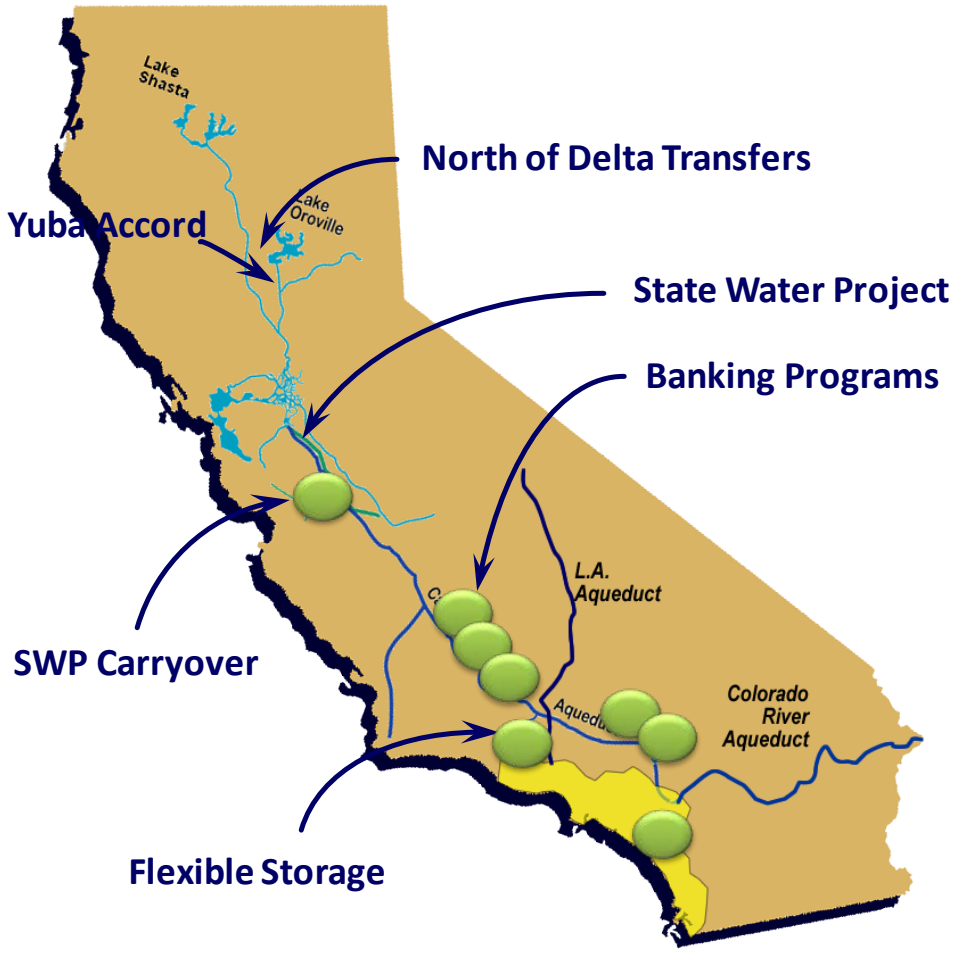
Supply Programs: SWP

Since adoption of the 1996 Integrated Resources Plan (1996 IRP) and subsequent updates, Metropolitan has developed and actively managed a portfolio of supplies to convey through the California Aqueduct, as shown in Figure 10. The geographical locations of the projects are indicated by the green dots; Metropolitan's service area is designated by the yellow highlighted area. Metropolitan submits delivery schedules to DWR for these supplies, and alters these schedules throughout the year based on changes in the availability of SWP and Colorado River water. The portfolio of supplies that Metropolitan has developed to be conveyed through the SWP since adoption of the Monterey Amendments and the 1996 IRP extend from north of the Delta to Southern California.

Since the Monterey Amendments, Metropolitan has secured one-year water transfer supplies through Metropolitan-only purchases, buyer coalition-purchases, and Governor Drought Water Banks. The most recent years in which these one-year transactions occurred were 2008 through 2010, and 2013. No purchases were made in 2011, 2012, 2016 or 2017 due to favorable water supply conditions and lack of capacity to move water through the Delta. Most of the sellers were Sacramento Valley water users who are not Contractors. Other Contractors obtained one-year water transfers during this timeframe as well.

In addition to the above one-year water transfers, Metropolitan purchases long-term water transfer supplies through the Yuba Accord. The Yuba Accord has provided water to enhance SWP and CVP water supply reliability by offsetting Delta export reductions and providing dry year water supplies for participating SWP and CVP contractors. This water is Yuba River water developed by Yuba County Water Agency (YCWA) making reservoir releases or by YCWA's member units substituting groundwater for their surface water supplies; it is not SWP water.

Figure 10: California Aqueduct Portfolio of Supplies

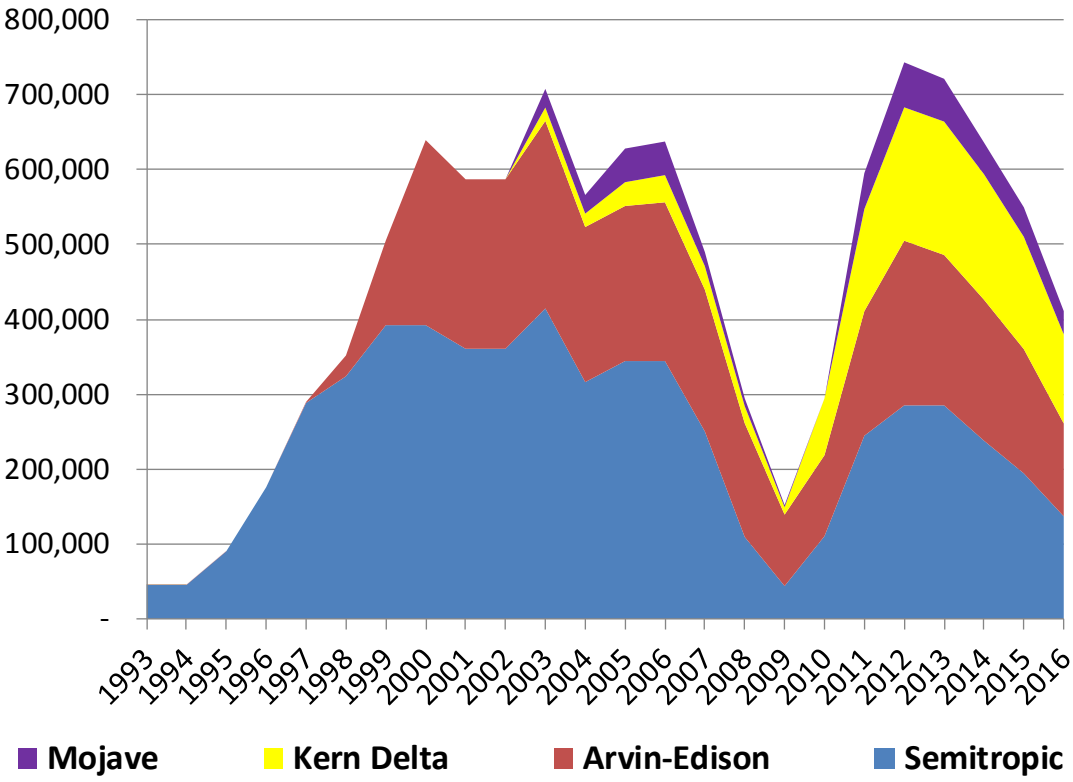


In addition to one-year transfers, and the Yuba Accord water, Metropolitan has developed groundwater storage agreements that allow Metropolitan to store available supplies in the Central Valley for return later. Metropolitan enters into point of delivery agreements with DWR to deliver water supplies from the SWP facilities to these storage programs. Metropolitan enters into introduction of local supplies agreements to return these water supplies to the SWP system for delivery to Metropolitan. Metropolitan's storage activities are shown in Figure 11, and demonstrate that a significant amount of water, which is not SWP Table A water in the year it is delivered, is managed by Metropolitan in these storage programs.

- Arvin-Edison Storage Program: under the agreement, Arvin-Edison Water Storage District stores water on behalf of Metropolitan. Up to 350,000 acre-feet can be stored; Arvin-Edison is obligated to return up to 75,000 acre-feet of stored water in any year to Metropolitan, upon request. The water is returned by direct groundwater pump-in and exchange of SWP supplies.
- Semitropic Storage Program: under the agreement, Metropolitan stores water in the groundwater basin underlying land within the Semitropic Water Storage District. The maximum storage capacity is 350,000 acre-feet. Currently, the minimum annual yield to Metropolitan is 39,700 acre-feet, and the maximum annual yield is 231,200 acre-feet depending on the available unused capacity and the SWP allocation. The water is returned by direct groundwater pump-in and exchange of SWP supplies.
- Kern Delta Storage Program: under the agreement, Kern Delta Water District provides groundwater banking and exchange transfer to allow Metropolitan to store up to 250,000 acre-feet of SWP water in wet years and take up to 50,000 acre-feet annually during droughts. The water is returned by direct groundwater pump-in or by exchange of surface water supplies.

- Mojave Storage Program: under the agreement, Mojave Water Agency provides groundwater banking and exchange transfers to allow Metropolitan to store up to 390,000 acre-feet for later return. The agreement allows Metropolitan to annually withdraw Mojave Water Agency's SWP contractual amounts, after accounting for local needs.
- Antelope Valley East Kern (AVEK) Storage and Exchange Program: under the agreement, AVEK provides at least 30,000 acre-feet over ten years of its unused SWP Table A amount to Metropolitan and Metropolitan, at its discretion, would return half of the exchange water to AVEK at the Banks pumping plant. Under the Storage Program, Metropolitan, at its discretion, could store at least 30,000 acre-feet of its SWP Table A amount or other supplies in the Antelope Valley Groundwater Basin in an account designated for Metropolitan.

Figure 11: SWP Groundwater Storage Programs, acre-feet



Metropolitan has developed exchanges and transfers with other Contractors to enhance supply flexibility. Some of these agencies have extensive groundwater supplies and are willing to exchange their SWP supplies.

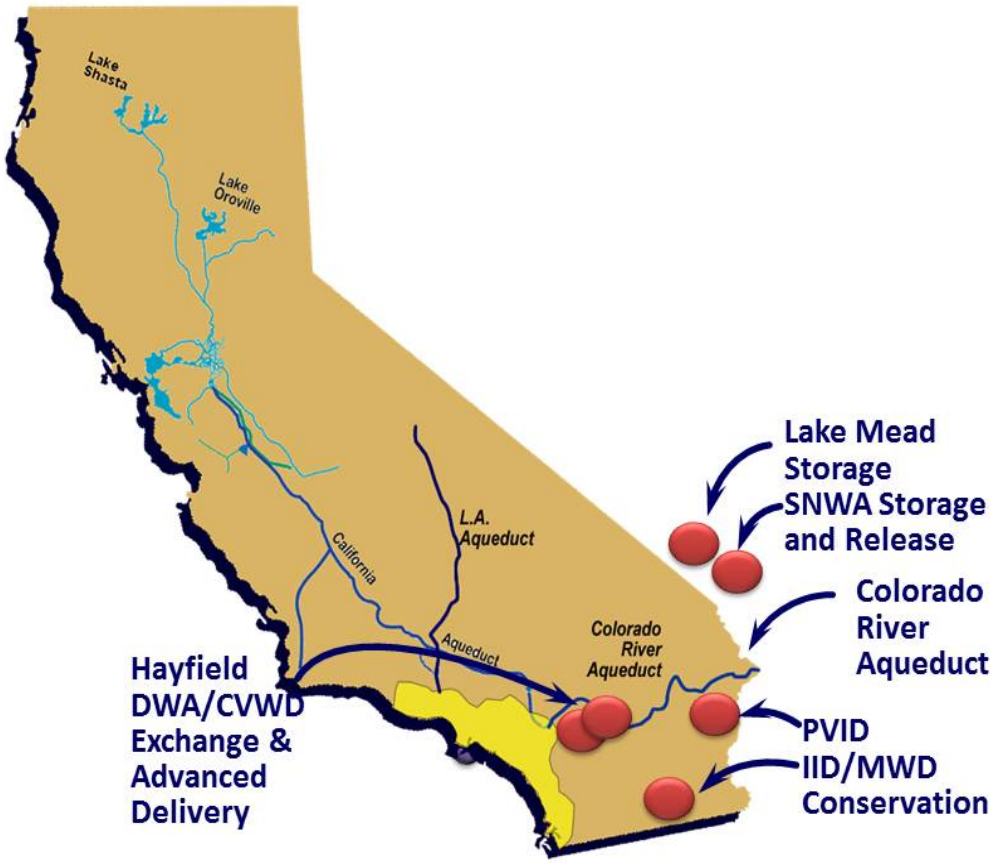
- San Gabriel Valley Water District: under this agreement, Metropolitan delivers treated water to a San Gabriel Valley Water District subagency in exchange for twice as much untreated SWP supplies delivered into the groundwater basin that supplies this agency and Metropolitan subagencies. Metropolitan can purchase at least 5,000 acre-feet per year, in excess of the unbalanced exchange amount. There are no fees to put water into storage, or take water out of the storage account. This program has the potential to increase Metropolitan's reliability by providing 115,000 acre-feet through 2035.

- Desert Water Agency/Coachella Valley Water District Advance Delivery Program: under this program, Metropolitan delivers Colorado River water to the Desert Water Agency (DWA) and Coachella Valley Water District (CVWD) in advance of the exchange for their SWP Contract Table A allocations. In addition to their Table A supplies, the agencies can take delivery of SWP supplies available under Article 21 and the Turn-back Pool Program, and non-SWP supplies separately acquired by each agency. These non-SWP supplies have included Yuba Accord water, drought water bank water, and San Joaquin Valley water. By delivering enough water in advance to cover Metropolitan's exchange obligations, Metropolitan is able to receive DWA and CVWD's available SWP supplies in years in which Metropolitan's supplies are insufficient without having to deliver an equivalent amount of Colorado River water.

Supply Programs: CRA

Since adoption of the 1996 IRP and subsequent updates, Metropolitan has developed and actively manages a portfolio of supplies to convey through the CRA. Metropolitan determines the delivery schedule of those resources throughout the year based on changes in the availability of SWP and of Colorado River water. Figure 12 shows the geographic location of the portfolio of additional CRA supplies, designated by the red dots, which Metropolitan has developed for diversion into the CRA since adoption of the 1996 IRP. These resources extend from Lake Mead to Southern California and provide supply to Metropolitan's service area, which is shown in the yellow highlighted area.

Figure 12: Colorado River Aqueduct Portfolio of Supplies



- Imperial Irrigation District/Metropolitan Conservation Program: Under a 1988 Conservation Agreement, Metropolitan has funded water efficiency improvements within the Imperial Irrigation District's (IID) service area in return for the right to divert the water conserved by those investments. Metropolitan provided funding for IID to construct and operate a number of conservation projects that have conserved up to 109,460 acre-feet of water per year that is then available to Metropolitan. In 2015, 107,820 acre-feet of conserved water is being conserved by IID and made available to Metropolitan. Execution of the Quantification Settlement Agreement (QSA) and other agreement amendments resulted in changes in the availability of water under the program. As a result of a 2014 IID-Metropolitan letter agreement, the amount of water conserved by IID has been quantified at 105,000 acre-feet per year beginning in 2016. Metropolitan is guaranteed at least 85,000 acre-feet per year, with the remainder of the conserved water being made available to the Coachella Valley Water District (CVWD), if needed under the 1989 Approval Agreement as amended.
- Palo Verde Land Management, Crop Rotation, and Water Supply Program: Under this program, participating landowners in the PVID are paid to reduce water use by not irrigating a portion of their land. A maximum of 35 percent of the participating lands within the Palo Verde Valley can be fallowed in any given year. This program saves up to 133,000 acre-feet of water in certain years, and a minimum of 33,000 acre-feet per year. The term of the program is 35 years. Fallowing began in 2005. In March 2009, Metropolitan and PVID entered into a supplemental emergency fallowing program within PVID that provided for the fallowing of additional acreage in 2009 and 2010. Since 2005, approximately 1 million acre-feet total of Colorado River water has been conserved. The volume of water that becomes available to Metropolitan is governed by the QSA and the Colorado River Water Delivery Agreement. Under these agreements:
    - Metropolitan must reduce its consumptive use of Colorado River water by that volume of consumptive use by PVID and holders of Priority 2 that is greater than 420,000 acre-feet in a calendar year, or
    - Metropolitan may increase its consumptive use of Colorado River water by that volume of consumptive use by PVID and holders of Priority 2 that is less than 420,000 acre-feet in a calendar year.

In both cases, each acre-foot of reduced consumptive use by PVID is an additional acre-foot that becomes available to Metropolitan.

- All-American and Coachella Canal Lining Projects: Metropolitan has historically taken delivery of 16,000 acre-feet of water annually as a result of the All-American and Coachella Canal Lining Projects. Under the San Luis Rey Indian Water Rights Settlement Agreement, that water will be made available for the benefit of the La Jolla, Pala, Pauma, Rincon and San Pasqual Bands of Mission Indians, the San Luis Rey River Indian Water Authority, the City of Escondido and the Vista Irrigation District. Beginning in 2018, the settlement parties will receive 16,000 acre-feet of water under the agreement.
- Southern Nevada Water Authority and Metropolitan Storage and Interstate Release Agreement: Under this 2004 agreement and a related Operational Agreement, the Southern Nevada Water Authority (SNWA) may offer a portion of its Colorado River water supplies to Metropolitan when there is space available in the CRA to receive the water. SNWA may call for return of the water in a future year, in which Metropolitan would reduce its Colorado River water order to return this water. In 2009, 2012, and 2015, Metropolitan, the Colorado River Commission of Nevada, and SNWA amended the related Operational Agreement dealing with volumes of water that may be stored or called at various times. The agreements can be terminated upon 90 days' notice following the return of the water stored by Metropolitan.

- Lower Colorado Water Supply Project: This project develops additional water supplies by pumping groundwater into the All-American Canal for delivery to IID. An equal volume of Colorado River water is then made available for other water users along the river. Under a contract among Metropolitan, the City of Needles, and the United States Bureau of Reclamation, Metropolitan receives any excess unused water developed by the project. Metropolitan makes payments to a trust fund to develop a replacement project or to desalt the groundwater should the groundwater become too saline for discharge into the All-American Canal.
- Lake Mead Storage Program: In December 2007, Metropolitan entered into agreements to set forth the guidelines under which Intentionally Created Surplus (ICS) water is developed, and stored in and delivered from Lake Mead. The amount of water stored in Lake Mead must be created through extraordinary conservation, system efficiency, or tributary conservation methods. ICS is available for delivery in a subsequent year, with extraordinary conservation ICS subject to a one-time deduction to benefit the river system and annual evaporation losses. Extraordinary conservation methods used by Metropolitan to date are water saved by fallowing in the Palo Verde Valley, projects implemented with IID in its service area, and groundwater desalination. "System Efficiency ICS" can be created through the development and funding of system efficiency projects that save water that would otherwise be lost from the Colorado River. Metropolitan has participated in two projects to create System Efficiency ICS, and a third project to create ICS by conservation in Mexico:
    - Drop 2 (Warren H. Brock) Reservoir: Metropolitan contributed funds toward the Bureau of Reclamation's construction of an 8,000 acre-foot off-stream regulating reservoir near Drop 2 of the All-American Canal in Imperial County. This reservoir conserves about 70,000 acre-feet of water per year by capturing and storing otherwise non-storable flow. In return for its funding, Metropolitan received 100,000 acre-feet of water that was stored in Lake Mead, and has the ability to take delivery of up to 25,000 acre-feet of water in any single year. Besides the additional water supply, the new reservoir adds to the flexibility of Colorado River operations.
    - In November 2012, Metropolitan executed agreements in support of a program to augment Metropolitan's Colorado River supply between 2013 and 2017 through an international pilot project in Mexico. Metropolitan's total share of costs will be $5 million for 47,500 acre-feet of project supplies. The costs will be paid between 2015 and 2017, and the conserved water will be credited to Metropolitan's intentionally-created surplus water account no later than 2017. In December 2013, Metropolitan and IID executed an agreement under which IID will pay half of Metropolitan's program costs, or $2.5 million, in return for half of the project supplies, 23,750 acre-feet.
- Hayfield Groundwater Storage Program: This program will allow Metropolitan to store Colorado River water in the Hayfield Groundwater Basin in eastern Riverside County for future withdrawal and delivery to the CRA. As of 2010, there was over 75,000 acre-feet in storage. Drought conditions in the Colorado River watershed have resulted in a lack of surplus supplies for storage. When water supplies become more plentiful, Metropolitan may pursue this program and develop storage capacity of about 400,000 acre-feet.

- Desert Water Agency/Coachella Valley Water District/Metropolitan Water Exchange and Advance Delivery Programs: Under these programs, Metropolitan delivers Colorado River water to the DWA and CVWD, in exchange for future deliveries by DWA and CVWD of an equal volume of their SWP supplies. By delivering enough water in advance to cover Metropolitan's exchange obligations, Metropolitan is able to receive DWA and CVWD's available SWP supplies in years in which Metropolitan's supplies are insufficient to deliver an equivalent amount of Colorado River water[9].

Figure 13 shows the year-end balance in Metropolitan's Colorado River storage programs. The combined capacity of the Lake Mead Storage program and the DWA/CVWD advance delivery program is 2,300,000 acre-feet, plus the amount of water in storage in Lake Mead as a result of the Drop 2 Reservoir and Yuma Desalting Plant system efficiency projects.

Figure 13: Colorado River Storage Programs, acre-feet

[9] DWA has a SWP Table A contract right of 55,750 acre-feet per year and CVWD has a SWP Table A contract right of 138,350 acre-feet per year, for a total of 194,100 acre-feet per year. In addition to their Table A supplies, DWA and CVWD, subject to Metropolitan's written consent may by exchange take delivery of SWP supplies available under Article 21 of their SWP Contracts, the Turn-back Pool Program, and non-SWP supplies they may acquire and convey through SWP facilities. Under the Metropolitan-CVWD Delivery and Exchange Agreement for 35,000 Acre-feet, up to 35,000 acre-feet of Metropolitan's SWP Table A supply can be requested annually by CVWD for delivery by exchange.

In addition to the supply programs developed by Metropolitan, Metropolitan entered into an exchange agreement with the San Diego County Water Authority (SDCWA). On April 29, 1998, SDCWA and IID executed an agreement (the "IID-SDCWA Transfer Agreement") for SDCWA's purchase from IID of Colorado River water that is conserved within IID. An amendment to the IID-SDCWA Transfer Agreement, executed as one of the QSA related agreements, set the maximum transfer amount at 205,000 acre-feet in 2021, with the transfer gradually ramping up to that amount over an 18 year period, then stabilizing at 200,000 acre-feet per year beginning in 2023.

No facilities currently exist to deliver water directly from IID to SDCWA. Accordingly, in 1998, SDCWA entered into an exchange agreement with Metropolitan, pursuant to which SDCWA would have made available to Metropolitan at Lake Havasu on the Colorado River the conserved IID Colorado River water acquired by SDCWA from IID. Metropolitan would have delivered to SDCWA an equal volume of water from Metropolitan's supplies. The 1998 SDCWA-Metropolitan Exchange Agreement was conditioned upon the State Legislature's appropriation of $235 million to Metropolitan for lining the earthen All-American and Coachella Valley Canals to conserve water that would otherwise seep into the soil. Upon completion of the canal lining, Metropolitan had the rights to the estimated 77,700 acre-feet per year of conserved water for 110 years (Canal Lining Water).

In 2003, SDCWA and Metropolitan amended their exchange agreement, pursuant to which Metropolitan assigned the rights to the Canal Lining Water for 110 years and the $235 million in state funding to SDCWA in exchange for SDCWA's agreement to pay for deliveries of Metropolitan water exchanged for the Canal Lining Water and IID transfer water based on the conveyance rates charged to Metropolitan's member agencies.

The budget for the Supply Programs is $61.2 million in FY 2018/19 and $54.4 million in FY 2019/20. The expenditures for the Supply Programs are described in detail in the Biennial Budget document.

Demand Management Programs

Demand Management costs are Metropolitan's expenditures for funding local water resource development programs and water conservation programs. These Demand Management Programs incentivize the development of local water supplies and the conservation of water to reduce the need to import water to deliver to Metropolitan's member agencies. These programs are implemented below the delivery points between Metropolitan's and its member agencies' distribution systems and, as such, do not add any water to Metropolitan's supplies. Rather, the effect of these downstream programs is to produce a local supply of water for the local agencies and to reduce demands by member agencies for water imported through Metropolitan's system.

Demand Management Programs reduce the use of and burden on Metropolitan's distribution and conveyance system, which, in turn, helps reduce and avoid the capital, operating, maintenance and improvement costs associated with these facilities. For example, local water resource development and conservation has deferred the need to build additional infrastructure such as the Central Pool Augmentation Project tunnel and pipeline, completion of San Diego Pipeline No. 6, the West Valley Interconnection, and the completion of the SWP East Branch expansion. Overall, the decrease in demand resulting from these projects is estimated to defer the need for projects between four and twenty-five years at a savings of approximately $2.9 billion in 2017 dollars. The programs also free up capacity in Metropolitan's system to convey both Metropolitan water, and water from other non-MWD sources.

In addition to reducing Metropolitan's costs for operating the distribution and conveyance system, Metropolitan also pursues conservation and local water resource development because it has uniquely been directed to do so by the state Legislature. In 1999, then Governor Davis signed SB 60 (Hayden) into law. SB 60 amended the Metropolitan Water District Act to direct Metropolitan to increase conservation and local resource development. No other water utility in California, public or private, has been specifically identified by the state Legislature and directed to pursue water conservation and local water resource development.

Metropolitan's Demand Management programs also support the region's compliance with the requirements of SB X7-7. In 2009, the state Legislature passed SB X7-7, which was enacted to reduce urban per capita water use by 20 percent by December 31, 2020. Urban retail water suppliers are not eligible for state water grants or loans unless they comply with the water conservation requirements of the legislation. Demand Management programs help the region achieve urban per capita water use reductions.

Demand Management costs also support the Strategic Plan Policy Principles approved by Metropolitan's Board on December 14, 1999. These principles represent the Board's vision that Metropolitan is a regional provider of wholesale water services. In this capacity, Metropolitan is the steward of regional infrastructure and the regional planner responsible for coordinated drought management and the collaborative development of additional supply reliability and necessary capacity expansion. Through these regional services, Metropolitan ensures a baseline level of reliability and quality for service in its service area.

The expenditures for the Demand Management Program are $89.1 million in FY 2018/19 and $85.8 million in FY 2019/20, and are described in more detail in the Biennial Budget document.

Capital Financing Costs

Capital financing costs are Metropolitan's expenditures for Revenue Bond debt service, General Obligation bond debt service, debt administration costs, the funding of capital expenditures from current operating revenues, or Pay-As-You-Go (PAYGo), and State Revolving Fund (SRF) Loan payments.

Budgeted amounts for Capital Financing represent the expenditures for existing and future debt service, anticipated debt administration costs to support the debt portfolio, and PAYGo amounts to support the Capital Investment Plan (CIP). Metropolitan generally incurs long-term debt to finance projects or purchase assets which will have useful lives equal to or greater than the related debt. Revenue supported debt can be authorized by Metropolitan's Board of Directors.

- **Revenue Bond Debt Service:** Includes the annual principal and interest payments for Metropolitan's outstanding and estimated future Revenue Bond debt service costs. Revenue bonds are used to finance the majority of Metropolitan's CIP. Long-term interest rates are assumed to be 4.5 percent for fixed bonds.
- **G.O. Bond Debt Service:** Includes Metropolitan's currently outstanding General Obligation (GO) bond interest and principal payments. In the long-term, it is assumed that no additional GO debt is issued to finance the CIP.
- **Debt administration costs:** Includes liquidity, remarketing, and broker-dealer fees.
- **PAYGo from Annual Operating Revenues:** Current policy calls for 60 percent of Metropolitan's capital costs to be funded from current revenues. The PAYGo program is projected to generate $120 million per year through the service class rates for this purpose over the next two fiscal years. As the annual capital expenditures increase over the next ten years, PAYGo will increase, while debt service costs will decrease as outstanding debt is paid down, thereby making room within the cost structure to absorb the increased costs associated with the California WaterFix, if applicable.

Expenditures for Capital Financing are $451.9 million in FY 2018/19 and $450.9 million in FY 2019/20. The Capital Financing costs are described in more detail in the Biennial Budget document.

Required Reserves

Metropolitan's Administrative Code and provisions of the revenue bond covenants require that reserves be held in certain funds at certain times. Therefore, as costs increase, reserves also increase to meet the Administrative Code and revenue bond covenants requirements. This line item reflects current policy requiring O&M fund and SWC contract fund balances at the beginning of each year. The increase in Required Reserves is $31.6 million in FY 2018/19 and $41.3 million in FY 2019/20.

Functional Costs

Several major functions result in the delivery of full service water to Metropolitan's member agencies. These include the supply itself, the conveyance capacity and energy used to move the supply, storage of water, distribution of supplies within Metropolitan's system, and treatment of these supplies. Metropolitan's rate structure recovers the majority of the cost of these functions through rates and charges.

The functional categories developed for Metropolitan's cost of service process are consistent with the AWWA rate setting guidelines. A standard chart of accounts for utilities is provided in the AWWA publication "Financial Management for Water Utilities: Principles of Finance, Accounting, and Management Controls". Figure 5-2, page 46, lists Operation and Maintenance (O&M) Expense Accounts. As noted, these are Expense Accounts, which provide the means by which O&M and capital financing costs are functionalized for COS. Because all water utilities are not identical, the functional categories used in the COS reflect, as they should, Metropolitan's unique physical, financial, and institutional characteristics, as permitted under the AWWA guidelines. Metropolitan has modified these functional categories as follows:

Pumping: Metropolitan functionalizes its pumping costs for the SWP and the CRA to a Conveyance and Aqueduct subaccount.

Customer Accounts, Customer Service and Sales Promotion: These are not applicable as Metropolitan is not a retail utility.

Storage: Metropolitan provides significant emergency storage, dry-year supply and regulatory services, and functionalizes costs to Storage to reflect Metropolitan's unique physical and operational reliability services.

Demand Management: Metropolitan incurs expenditures to support its Demand Management program, as described throughout this document.

Hydroelectric: Metropolitan has developed recovery generation facilities throughout its distribution system and recovers the costs and revenues from this investment in its COS.

A key goal of functional allocation is to maximize the degree to which rates and charges reflect the costs of providing different types of service. For functional allocation to be of maximum benefit, two criteria must be kept in mind when establishing functional categories.

- The categories should correlate charges for different types of service functions with the costs of providing those different types of functions; and
- Each function should include reasonable allocation bases by which costs may be allocated.

Each of the functions developed for the cost of service process is described below.

Supply

This function includes costs for those SWP and CRA facilities and programs that relate to maintaining and developing supplies to meet the member agencies' demands.

Metropolitan has a contractual right to a proportionate share of the project water that DWR determines is available for allocation to the Contractors. This determination is made each year based on existing supplies in storage, forecasted hydrology, and other factors. Available project water is then allocated to the Contractors in proportion to the amounts set forth in Table A of their State Water Contracts (Table A Allocation). The costs of the SWP supply are paid pursuant to Metropolitan's State Water Contract.

DWR's Delta Water Charge recovers the Capital and Minimum Operation, Maintenance, Power and Replacement (OMP&R) costs for the facilities that conserve and create the actual water supply of the SWP. The Delta Water Charge is based on Contractors' cumulative Table A Allocations, which is approximately 46 percent for Metropolitan, regardless of whether it receives any Table A water in a year.

Under its contract with the federal government, Metropolitan has a fourth priority to 550,000 acre-feet per year of Colorado River water, less certain use by higher priority holders and Indian tribes in California. Metropolitan also holds a fifth priority for an additional 662,000 acre-feet per year that exceeds California's 4.4 million acre-foot normal year basic apportionment, 38,000 acre-feet under the sixth priority during the term of the Colorado River Water Delivery Agreement, and another 180,000 acre-feet per year when surplus flows are available. Metropolitan can obtain water under the fourth, fifth, and sixth priorities from:

- Water unused by the California holders of priorities 1 through 3;
- Water saved by extraordinary conservation and crop rotation programs; or,
- When the U.S. Secretary of the Interior makes available:
    - Surplus water, Intentionally Created Surplus water, and/or
    - Water apportioned to, but unused by, Arizona and Nevada.

In fiscal years 2018/19 and 2019/20 it is projected that Metropolitan will receive annual CRA water diversions of approximately 0.84 MAF and 0.92 MAF respectively.

The costs of the CRA supply portfolio developed by Metropolitan are paid by Metropolitan. The CRA supply portfolio is supported by Water Resource Management labor, materials and supplies, outside services and professional services. The CRA supply portfolio activities benefit from Water Resource Management support services and management supervision, as well as Administrative and General activities of Metropolitan.

Metropolitan's supply related costs include investments in the Conservation Agreement with the IID, the PVID Program, and other CRA supply programs previously described. SWP programs include the Kern Delta Program, Semitropic Water Storage Program, Yuba Accord Program, Arvin-Edison Water Storage Program, Mojave Storage Program, AVEK Transfer and Storage Program, and others as previously described. Costs for programs within Metropolitan's service area, such as Conjunctive Use Programs, are also included.

Metropolitan finances past, current and future capital improvements associated with the supply portfolio capital assets and capitalizes investments IID/Metropolitan Conservation Program, the PVID Land Management, Crop Rotation, and Water Supply Program, the Kern Delta Storage Program, Semitropic Storage Program, and the Arvin-Edison Storage Program as Participation Rights.

California EcoRestore

California EcoRestore represents the state's near-term effort to accelerate habitat restoration in the Delta. This effort parallels the California WaterFix, and is a separate effort to improve the long-term health of the Delta. To date, California EcoRestore efforts include tidal restoration, fish passage improvements in the Yolo Bypass, tidal marsh restoration efforts, and floodplain projects. State Water Contractors and Central Valley Contractors have an obligation to pay for an existing commitment for habitat restoration. Any future costs are a public benefit and not a cost of the SWP. Any costs incurred by the SWP under the existing habitat restoration commitment under existing operating permits are likely to be recovered through the Delta Water Charge in Metropolitan's State Water Project bills and functionalized to Supply.

Conveyance and Aqueduct

This function includes the capital, operations, maintenance, and overhead costs for SWP and CRA facilities that convey water to Metropolitan's internal distribution system. Variable power costs for the SWP and CRA are also considered to be Conveyance and Aqueduct costs but are separately reported under a "power" sub-function. Conveyance and Aqueduct facilities can be distinguished from Metropolitan's other facilities primarily by the fact that they do not typically include direct connections to the member agencies. For purposes of this study, the Inland Feeder Project functions as an extension of the SWP East Branch and is therefore considered a Conveyance and Aqueduct facility as well.

Conveyance and Aqueduct: SWP[10]

Contractors are participants in the SWP through long-term contracts with DWR. The State Water Contractors participate in the SWP system in exchange for payments made according to their maximum annual water entitlements, whether or not that water is actually made available, and the portions of the SWP system required for delivering water to each Contractor. Thus, in addition to water supply, the SWP is also used to convey transfer supplies between: Contractors, Contractors and non-SWP entities, or between non-SWP entities. SWP operations are closely coordinated and integrated with CVP. San Luis Reservoir and the San Luis Canal section of the California Aqueduct are shared SWP/CVP facilities. The SWP is also connected to other water sources upstream of the Sacramento-San Joaquin Delta, and along the California Aqueduct as it passes through the Central Valley.

The capacity of the SWP to deliver water decreases with distance from the Banks Pumping Plant, located in the Sacramento-San Joaquin Delta, as water is delivered to Contractors through the South Bay Aqueduct and the Coastal Branch Aqueduct, and to turnouts in the San Joaquin Valley and Southern California. The design pumping capacity at Banks Pumping Plant is 10,670 cubic feet-per-second (cfs) but only 4,480 cfs at the Edmonston Pumping Plant, located at the base of the Tehachapi Mountains.

Since inception, the State Water Contract provided Contractors the ability to use the SWP to convey non-SWP water under certain circumstances. Specifically, Article 18(c)(2) of the original SWC addressed situations where there is a shortage in the supply of water made available under the contract and stated, "[T]he District, at its option, shall have the right to use any of the project transportation facilities which by reason of such permanent shortage in the supply of project water to be made available to the District are not required for delivery of project water to the District, to transport water procured by it from any other source: [p]rovided, [t]hat such use shall be within the limits of the capacities provided in the project transportation facilities for service to the District under this contract ….". However, Article 18(c)(2) only applied in the event a permanent shortage was declared by DWR and it was unclear how costs would be charged for using SWP facilities to transport non-project water. In 1994, the Contractors and DWR negotiated the Monterey Amendments to the State Water Contract, including Article 55, which made explicit the Contractors' rights to use the portion of the SWP conveyance system necessary to deliver water to them (their "reaches") also includes the right to convey non-SWP water at no additional cost as long as capacity exists. Power is charged at the SWP average power rate. The Monterey Amendments also expanded the ability to carryover SWP water in SWP storage facilities, allowed Contractors to store water in groundwater storage facilities outside a Contractor's service area for later use, and permitted certain Contractors to borrow water from terminal

[10] For historical and current information regarding the SWP, refer to Bulletin 132, published periodically by DWR since 1963. The most recently published Bulletin is Bulletin 132-16, dated June 2017 and titled, "Management of the California State Water Project."

reservoirs. These amendments, approved by Metropolitan's Board in 1995, provide the means for individual Contractors to increase supply reliability through water transfers and storage outside their service areas.

The impact of the Monterey Amendments on SWP operations is shown in Tables 11 and 12 below, which are based on information supplied by DWR[11]. In the 7 calendar years ending in 2016, only 63.8 percent of the SWP deliveries to Metropolitan were Table A water delivered in the year it is paid for. Fully 36.2 percent of the deliveries were for non-Table A water. Non-SWP water comprised 12 percent of Metropolitan's deliveries from the SWP. For the other Contractors, 48 percent of the SWP deliveries were what one would consider "supply", or Table A water delivered in the year it is paid for; 52 percent of the deliveries are for non-Table A water. Non-SWP water transported by the other Contractors comprised 25 percent of their deliveries from the SWP. Non-Contractors using the SWP to wheel transfer supplies comprised 3 percent of all deliveries through the SWP. Fully 22 percent of the deliveries on the SWP were for non-SWP water.

Table 11: State Water Project Water Management Activities, CY 2010 through 2016, Acre-Feet

SWP Deliveries--Acre-feet

	Metropolitan				Other SWP Contractors					Non-SWC Agencies	Total Deliveries [4]
	(a)	(b)	(c)	(d) = (a) + (b) + (c)	(e)	(f)	(g)	(h) = (e) + (f) + (g)	(i) = (d) + (h)	(j)	(k) = (i) + (j)
	Table A [1]	Other SWP [2]	Non-SWP [3]	Total MWD	Table A [1]	Other SWP [2]	Non-SWP [3]	Total Other SWC	Total SWC	Non-SWP	
2010	639,537	352,831	265,720	1,258,088	687,734	361,796	353,346	1,402,876	2,660,964	148,982	2,809,946
2011	857,794	596,204	145,907	1,599,905	1,220,286	596,713	179,850	1,996,849	3,596,754	49,731	3,646,485
2012	906,009	302,488	10,010	1,218,507	934,470	454,249	245,202	1,633,921	2,852,428	82,473	2,934,901
2013	613,271	145,147	113,469	871,887	471,421	392,336	372,772	1,236,529	2,108,416	68,083	2,176,499
2014	59,181	223,675	114,032	396,888	25,418	170,325	485,811	681,554	1,078,442	62,097	1,140,539
2015	380,577	37,459	146,868	564,904	259,867	175,018	376,158	811,043	1,375,947	57,808	1,433,755
2016	989,125	24,646	42,081	1,055,852	712,300	293,762	231,233	1,237,295	2,293,147	70,423	2,363,570
Total	4,445,494	1,682,450	838,087	6,966,031	4,311,496	2,444,199	2,244,372	9,000,067	15,966,098	539,597	16,505,695

[1] Table A delivered and not exchanged or transferred or stored

[2] Other SWP = SWP Exchanges, Transfers, Carryover Storage, Flexible Storage, Article 21, Pool A/B, settlement

[3] Non-SWP = banking, non-SWP transfers and exchanges, Dry Year Purchase Program, local water, general conveyance water, operations exchange

[4] Does not include "Local non-SWP Water Supply Contractors", i.e. Feather River parties with senior water rights

Table 12: State Water Project Water Management Activities, CY 2010 through 2016, percentages

SWP Deliveries--Percentages

	=(a) / (d)	= ((b) + (c)) / (d)	= (c) / (d)	= (e) / (h)	= ((f) + (g)) / (h)	= (g) / (h)	= (j) / (k)	=((c)+ (g)+(j)) / (k)
	MWD Table A	MWD Non-Table A	MWD Non-SWP	Other Contractors Table A	Other Contractors Non-Table A	Other Contractors Non-SWP	Non SWC to Total	Total non-SWP to Total
2010	50.8%	49.2%	21.1%	49.0%	51.0%	25.2%	5.3%	27.3%
2011	53.6%	46.4%	9.1%	61.1%	38.9%	9.0%	1.4%	10.3%
2012	74.4%	25.6%	0.8%	57.2%	42.8%	15.0%	2.8%	11.5%
2013	70.3%	29.7%	13.0%	38.1%	61.9%	30.1%	3.1%	25.5%
2014	14.9%	85.1%	28.7%	3.7%	96.3%	71.3%	5.4%	58.0%
2015	67.4%	32.6%	26.0%	32.0%	68.0%	46.4%	4.0%	40.5%
2016	93.7%	6.3%	4.0%	57.6%	42.4%	18.7%	3.0%	14.5%
Total	63.8%	36.2%	12.0%	47.9%	52.1%	24.9%	3.3%	21.9%

[11] DWR, Water Deliveries Section, State Water Project Analysis Office, December 19, 2017.

The SWP has transformed from being a transporter of SWP water to a transporter of other water sources as well for Metropolitan, other State Water Contractors, and non-Contractors. The reason for this is quite simple: the SWP has allocated only about 50 percent on average of the water due to State Water Contractors in the 7 calendar years ending 2016, and only about 53 percent on average in the 12 years ending 2016. The State Water Contractors have a significant investment in the costs of operating, maintaining and financing the SWP, and have developed creative programs to develop additional supplies and improved supply reliability by using the SWP as a transportation system. Specifically, during times of shortage or low SWP supply allocations, Metropolitan uses the SWP facilities to transport non-SWP water, which is water it has acquired through use of non-SWP sources, to its service area. When Metropolitan conveys non-project water, it is using the SWP transportation facilities in transactions that have nothing to do with SWP water supply. The ability to move non-SWP water through the SWP facilities, either as a result of purchases of non-SWP water or withdrawals from banking programs, enhances Metropolitan's operational flexibility and contributes to regional system reliability from which all member agencies benefit.

In addition, Metropolitan has, from time to time, used its capacity in the SWP to wheel non-Metropolitan water to its member agencies. Examples include water delivered to Santa Margarita Water District (1,665.2 acre-feet net in 1998-2000) and Irvine Ranch Water District (1,000 acre-feet in 2015), sub-agencies of the Municipal Water District of Orange County, and for the San Diego County Water Authority (23,077 acre-feet in 2008 and 15,520 acre-feet net in 2009).

The costs of the SWP conveyance facilities are paid pursuant to Metropolitan's State Water Contract. DWR's Transportation Charge recovers the costs associated with the various aqueduct reaches that deliver project water to the Contractors. The Capital and fixed OMP&R portions of the SWP Transportation Charge recover costs from the Contractors based on the accumulation of allocated costs for each aqueduct reach to each Contractor. Unlike the Delta Water Charge, which is uniform for a unit of Table A water, the allocation of these portions of the Transportation Charge will vary based on the aqueduct segments needed to deliver water to a specific Contractor. The further a Contractor is from the Delta and the greater its capacity in the transportation facilities, the greater its allocation of the Capital and fixed OMP&R Transportation Charges. Payment of the Transportation Charge entitles Contractors to the right to use their capacity in the SWP facilities for transportation of SWP or non-SWP water, on a space available basis, under the SWC. A Contractor that participates in the repayment of a particular reach, or segment of the SWP, has already paid the costs of using that reach for the conveyance of water supplies through the Transportation Charge. On average, Metropolitan pays approximately 63 percent of the total transportation costs, both capital and OMP&R, of the SWP.

California WaterFix

California WaterFix is an improvement to the SWP, the largest water supply[12] project in the country. The project is a science-driven upgrade to the SWP's conveyance system in the Delta. The existing Delta water conveyance system needs to be improved and modernized to address operational constraints on pumping in the south Delta. The SWP is subject to biological opinions and incidental take permits that substantially limit the way DWR operates the SWP. Therefore, under the California WaterFix, DWR will extend the delivery system from new north Delta water intakes on the Sacramento River to a new forebay in the south Delta to provide additional operational flexibility in operating the SWP. The California WaterFix includes the

[12] The term "supply" is used to distinguish between other functions of the SWP such as recreation and flood control. The term is not used to distinguish between the conservation (supply) and transportation (conveyance) functions of the SWP under the State Water Contracts. Within the supply function of the SWP, DWR allocates costs between conservation and transportation.

construction of three new intakes in the northern Delta along with two tunnels to convey water to the existing aqueduct system in the southern Delta.[13]

The project will improve the reliability of southern California's water delivery system by fixing aging infrastructure; will use new facilities, equipment, and technologies to reduce harm to fish; will provide an alternate conveyance system to more efficiently and effectively convey water through the Delta via the tunnel system to pumping plants in the south Delta, rather than relying on water flows through the Delta; will provide operational flexibility to deliver water with the existing south Delta intake system or the new north-of-Delta intake facilities, or both; will allow for more natural flow direction in the Delta to protect sensitive fish species; and will more reliably convey water from storm flows in wet and above-normal hydrological weather years that can be used by State Water Contractors to refill reservoirs and replenish groundwater basins.

The intakes and tunnels efficiently and effectively convey water under the Delta rather than using its sloughs and waterways. The operational use of the SWP has evolved over time. Originally envisioned in the 1960's to deliver only SWP water, beginning in the mid-1990's, the SWP now routinely is used to convey non-SWP water and is used operationally by the State Water Contractors and non-contractors in ways not envisioned in the 1960's to transport, regulate, and carryover water. Today, like other conveyance facilities of the SWP, the California WaterFix conveyance system will also be available to participants and non-participants to transport non-project water through the Delta and potentially not incur "carriage losses". "Carriage losses" refer to water that is introduced into the Delta to move through the Delta but cannot be diverted at intake pumps and is used to mitigate the impacts of salinity intrusion from export operations in the south Delta. Using the WaterFix to avoid these potential carriage losses provides a significant economic benefit to wheeling parties.

At this time, DWR has not provided an analysis for how it proposes to categorize the capital financing and operating costs of the California WaterFix on State Water Contractor Statement of Charges. However, in fiscal years 2018/19 and 2019/20, Metropolitan anticipates it will incur $4 million and $13 million, respectively. Metropolitan has allocated these costs as transportation costs based on the function of the facility, which is to convey water from the Delta. This determination is based on the nature of the project and information available to Metropolitan at this time and Metropolitan will continue to review its cost allocation of the project as it is constructed, and in the event DWR allocates the project any differently.

Although State Water Contractors, including Metropolitan, have estimated their portion of the WaterFix costs based upon their Table A allocation adjusted to exclude five non-participating State Water Contractors, the expectation of WaterFix is that State Water Contractors will be able to maintain the current Delta export capability. The project provides capacity to convey non-project transfers, provides a more reliable facility to convey water to the pumping facilities in the South Delta rather than relying on waterways, sloughs, and levees, and is an investment that can convey water to avoid regulatory constraints.

California WaterFix Cost

The current estimated cost of constructing the conveyance system, including environmental mitigation, is about $17 billion in 2017 dollars, with Metropolitan's share estimated at about 26 percent of that, or $4.3 billion. Capital costs are expected to be incurred beginning in Calendar Year 2019. Constructing the tunnels to effectively convey existing water supply is quite cost competitive compared to developing a local supply, about one-third to one-half the cost.

[13] For additional information regarding the California WaterFix, see the three policy white papers prepared for Metropolitan's Board of Directors, available at http://www.mwdh2o.com/DocSvcsPubs/WaterFix/.

The California WaterFix is expected to be financed through the issuance of debt instruments to be paid back over time, resulting in annual capital financing costs. Consistent with the functionalization of SWP transportation costs, the capital financing costs of the California WaterFix have been functionalized to the conveyance and aqueduct function in the biennial budget cost of service analysis. This functionalization is based on the nature of the project and information available to Metropolitan at this time and Metropolitan will continue to review its cost allocations of the project as it is constructed, and in the event DWR allocates the project any differently.

For the biennial budget period, Metropolitan forecasts that its share for the California WaterFix capital financing costs will be $4 million in FY 2018/19 and $13 million in FY 2019/20. These capital financing costs will be incurred by DWR and allocated to Metropolitan through SWP Statement of Charges.

Conveyance and Aqueduct: CRA

The CRA has also transformed from being mainly a "supply" source to a provider of delivery service. Specifically, Metropolitan uses the CRA to:

- transport water made available as a result of cooperative programs implemented through agreements with other water agencies, either in the year made available or in a subsequent year as intentionally-created surplus from Lake Mead storage to its service area;
- recharge water in a groundwater basin so that it can subsequently plan to recover it for delivery to Metropolitan's service area; and
- exchange water with and deliver water in advance to other water agencies.

When Metropolitan conveys water made available as a result of cooperative programs implemented through agreements with other water agencies, to recharge water and subsequently recover it, or to exchange water with or deliver water in advance to other agencies, it is by definition using the CRA as a transportation facility. The ability to convey such water through the CRA facilities enhances Metropolitan's operational flexibility and contributes to regional system reliability for the benefit of all member agencies. Metropolitan's total calendar year CRA water management activities from 2010 through 2016 are shown in Table 13.

Table 13: CRA Water Management Activities in Acre-Feet, CY 2010 through 2016

CRA Water Management Activities--Acre-Feet

	(a)	(b)	(c)	(d)	(e)	(f)	(g) = (a) / (f)	= ((f) - (a)) / (f)
	Priority 4 & 5	IID/MWD	PVID	Other, including Storage (to)/from	MWD Exchange w SDCWA	Total Net Diversions	Priority 4 & 5 to Total	Non Priority 4 and 5 to Total
2010	815,525	97,000	148,600	(113,571)	151,507	1,099,061	74.2%	25.8%
2011	485,178	99,940	122,200	(151,571)	143,243	698,990	69.4%	30.6%
2012	467,166	93,677	73,700	(85,285)	186,861	736,119	63.5%	36.5%
2013	545,087	98,307	32,750	156,315	180,256	1,012,715	53.8%	46.2%
2014	484,937	84,305	43,010	383,959	180,123	1,176,334	41.2%	58.8%
2015	616,685	101,105	94,480	187,311	179,347	1,178,928	52.3%	47.7%
2016	613,491	90,374	125,000	(10,120)	178,278	997,023	61.5%	38.5%
Total	2,797,893	664,708	639,740	367,038	1,199,615	5,668,994	49.4%	50.6%

(a) Use by holders of Indian Miscellaneous present perfected rights and use by holders of Priorities 1, 2, and 3b above 420,000 acre-feet absent the Metropolitan-PVID Land Management, Crop Rotation, and Water Supply Program have been deducted from the Priority 4 supply of 550,000 acre-feet.

In the 7 calendar years ending 2016, approximately 49 percent of the CRA diversions to Metropolitan represent Metropolitan's entitlements under the Seven Party Agreement system. The remaining 51 percent represents volumes of Colorado River water moved through other programs. Metropolitan periodically

transports water for Tijuana, Mexico through the CRA. Recent amounts are 5,482 acre-feet in calendar year 2008, 5,152 acre-feet in calendar year 2009, and 102 acre-feet in calendar year 2012.

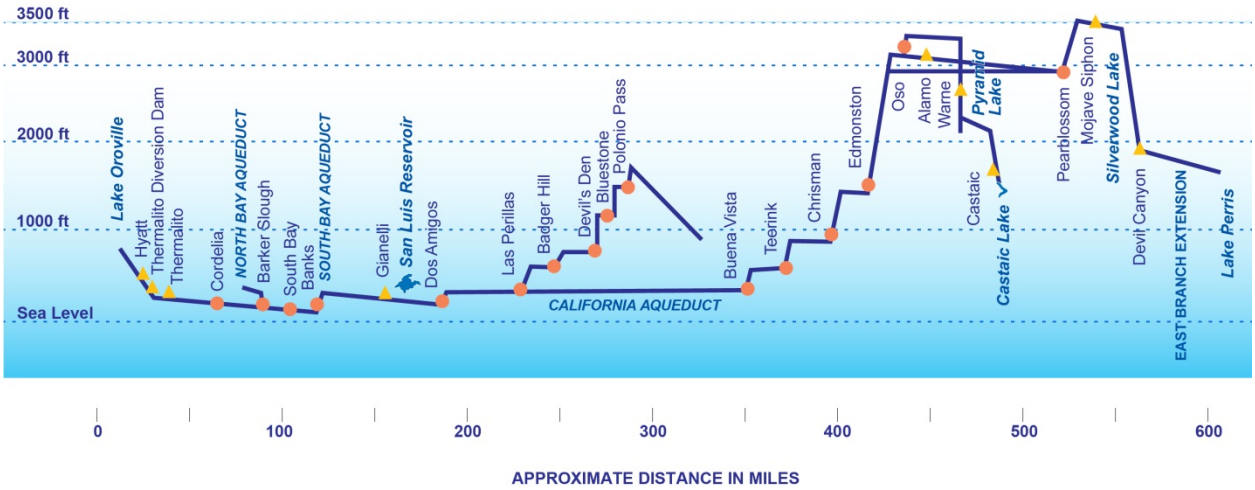
With regard to use as a transportation facility, the CRA differs from the SWP's California Aqueduct in that the capacity of the CRA is uniform through its entire length. The CRA was designed to move a relatively uniform volume of water through its entire length, and Metropolitan relies on the entire length to move water. There are no "reaches", or segments of the aqueduct, that are associated with deliveries to take-out points. The 4 regulating reservoirs are small, so water cannot be "batched" like the SWP, where pumps are cycled on and off to take advantage of cheaper time periods of the day to use electricity. Unlike the SWP, each CRA pump is uniformly sized at 225 cfs; none are variable speed pumps. This means the pumps are either operating at 225 cfs of capacity or are off at 0 cfs.

The costs of the CRA itself are paid by Metropolitan directly, as it operates the CRA. Metropolitan incurs capital and operations and maintenance expenditures to support the CRA activities. The costs of the CRA activities include labor, materials and supplies, outside services to provide repair and maintenance, and professional services. The CRA activities benefit from Water System Operations support services and management supervision, as well as Administrative and General activities of Metropolitan. Metropolitan finances past, current and future capital improvements on the CRA, and capitalizes those improvements as assets. The costs of Metropolitan's capital financing activities are apportioned to service functions, such as the CRA.

Conveyance and Aqueduct: SWP Power

In addition to the charges for supply (the Delta Water Charge capital and OMP&R) and Transportation (Transportation Capital and OMP&R), DWR also charges for the power needed to deliver project water throughout the system. Two charges recover these power costs: the variable OPMR portion of the Transportation Charge (Variable Charge) and the Off Aqueduct Power Facilities (OAPF) charge. Because the State Water Contracts are cost recovery contracts, DWR invoices Contractors on an estimated basis for any calendar year, and then provides credits in later years once cost true-ups are finished.

Figure 14: Pumping Lift and Recovery Generation Facilities, SWP



The Variable Charge includes the annually estimated cost of purchased power including capacity and energy, cost of SWP power generation facilities, program costs to offset annual fish losses at the Banks Pumping Plant, purchased transmission services, and credits for sales of ancillary services and excess SWP system power sales. The various lifts and recovery generation facilities of the SWP are shown in Figure 14; the orange circles indicate pumps to lift water, and the yellow triangles indicate recovery generation facilities.

The Variable Charge is calculated on the basis of the energy required to pump an acre-foot of water to its take-out point multiplied by the system energy rate, less energy from the recovery generation plants. The system energy rate is a system-wide average rate calculated as the net cost of energy--total costs less revenues--divided by the net energy required to pump all water. That rate is applied to each acre-foot of water delivered to SWP customer based on the power required to pump the water to designated delivery points on the system. DWR can adjust the system energy rate as the calendar year progresses in order to reflect actual costs.

The OAPF charge recovers only ongoing environmental remediation costs of power generation facilities not on the aqueduct, namely Reid Gardner Unit 4, and is negligible at this time.

The SWP uses low-cost hydroelectric and recovery generation resources, but they only provide about 50 percent of the SWP energy needs in an average water year. The SWP relies on the wholesale market and contractual resources with exposure to market price volatility for as much as 30 to 35 percent of its needs, using other contractual resources to fill in the difference.

The SWP energy required to move water to Metropolitan is related to the transportation on the East Branch through Devil Canyon and on the West Branch through Castaic. Because Metropolitan moves the largest amount of water on the SWP and Metropolitan's delivery points on the East and West Branch are at or near the southern extreme of the SWP, Metropolitan pays approximately 70 percent of the SWP power costs. The cost of power per acre-foot to Metropolitan's delivery points on the East and West Branches are shown in Table 14.

Table 14: Cost of SWP Power for Metropolitan Terminal Delivery Points, $ per Acre-Foot

	CY 2013 DWR	CY 2014 DWR	CY 2015 DWR	CY 2016 DWR	CY 2017 Estimated	CY 2018 Forecasted	CY 2019 Forecasted
East Branch	$230.27	$280.07	$241.16	$186.21	$160.55	$168.05	$179.64
West Branch	$215.61	$270.03	$226.58	$175.85	$170.57	$179.55	$191.50

The SWP energy costs are impacted by the energy policies of the state of California. The SWP is acquiring renewable resources, primarily solar to date, to meet its obligation to reduce greenhouse gas emissions. The SWP energy costs are also impacted by the increasing cost of using the California Independent System Operator's (CAISO) grid to deliver power from its generating sources and the wholesale power market to its pumping loads. The SWP does not own high voltage transmission facilities and must use the CAISO grid to move power; the SWP is the largest payer of the CAISO transmission access rates. Finally, the SWP has an obligation to acquire and surrender emissions allowances for the generating facilities the SWP owns, primarily the Lodi Energy Center.

Conveyance and Aqueduct: CRA Power

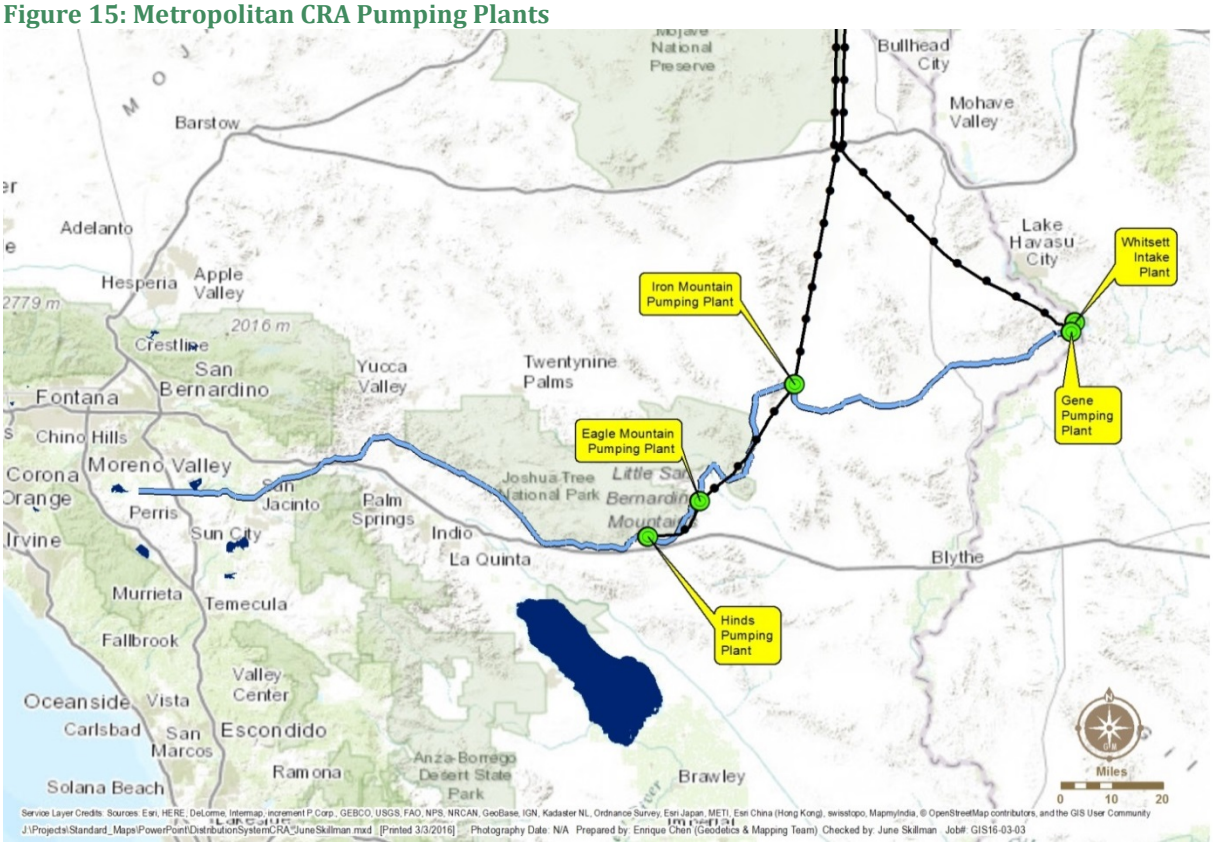
Metropolitan operates five pumping plants on the CRA, which are shown in Figure 15. Water enters the aqueduct system from Lake Havasu at the Whitsett Intake Pumping Plant (Intake). It is then pumped to its highest elevation of 1,807 feet above sea level at the Hinds Pumping Plant (Hinds), which is about 126 miles west of Intake. Five pumping plants lift the water a total of 1,617 feet to the Hinds Pumping Plant. From Hinds, the water flows 116 miles by gravity to Lake Mathews.

Metropolitan currently has three basic sources of power available to meet CRA energy requirements: Hoover Power, Parker Power, and wholesale purchases from entities in the Western United States.

Under a contract between the United States, Department of Energy, Western Area Power Administration, and Metropolitan, Metropolitan currently has a right to approximately 250 megawatts (MW) of capacity at the Hoover Dam power plant. Metropolitan has an annual firm energy entitlement of 1,291,227 megawatt-hours (MWh). The cost charged to Metropolitan for Hoover power is based on the revenue required by the Bureau of Reclamation to operate and maintain the power plant. This source of power has historically been at a lower cost than power purchased at market rates.

Metropolitan funded the total cost of construction of Parker Dam and incidental facilities, and 50 percent of the construction cost of the Parker Power plant. In consideration for this funding, Metropolitan is entitled in perpetuity to 50 percent of the capacity and energy of the four Parker generating units, which is approximately 54 MW of capacity. Parker power is also cost-based.

Figure 15: Metropolitan CRA Pumping Plants



Metropolitan's current basic energy resource mix is very cost effective but is not sufficient to pump Metropolitan's Colorado River water supplies in all years. For that reason, Metropolitan is required to purchase supplemental power to transport Colorado River water supplies in some years. As a result, Metropolitan requires any party seeking to wheel non-Metropolitan water through its CRA to purchase, or arrange for Metropolitan to purchase, the power supplies required to pump that water. Any Colorado River water that is pumped through Metropolitan's CRA is diverted above Parker Dam and cannot generate energy for Metropolitan's use at the Parker Dam Power plant. To compensate for this loss, an additional 32 kilowatt-hours per acre-foot are required to make Metropolitan whole for undertaking to pump non-Metropolitan water through the CRA that would otherwise have flowed through the Parker Power plant. In total, 2,032 kilowatt-hours (or 2.032 MWh) of energy must be provided to Metropolitan to convey each acre-foot of non-Metropolitan water supplies through the CRA.

Supplemental power can be purchased to pump non-Metropolitan water through the CRA. The market rate for electric energy prices is regularly tracked and published for various regions in California. Metropolitan uses the California Independent System Operator (CAISO) Open Access Same-time Information System (OASIS) Day Ahead Locational Marginal Price as reflective of the supplemental power costs for electric energy used for its pumping plants on the CRA. The regional index applicable to energy sold for use on the CRA is designated as "South-of-Path 15", or SP15, and is reflective of Southern California market energy prices.

Any party seeking to pump non-Metropolitan water through the CRA would have to purchase, or arrange for Metropolitan to purchase on its behalf, supplemental power. The market costs for purchases of power for the CRA are reflected in the CAISO OASIS Day Ahead Locational Marginal Price. Because Metropolitan utilizes the pumping capacity on the CRA for its own water supplies during off-peak hours to minimize its costs, the pumping of non-Metropolitan wheeled water would occur during on-peak hours and the on-peak price index published on the CAISO OASIS Day Ahead Locational Marginal Price is indicative of the price that would be paid to pump non-Metropolitan water.

Table 15: Cost of CRA Power Sources, $ per Megawatt-hour (MWh)

	FY 2012/13	FY 2013/14	FY 2014/15	FY 2015/16	FY 2016/17
Hoover[1]	$18.60	$29.74	$15.84	$15.36	$17.86
Parker[1]	$9.33	$12.41	$13.55	$12.58	$15.40
SP15, off-peak[2]	$33.15	$40.24	$33.15	$24.97	$26.48
SP15, on-peak[3]	$45.38	$50.90	$40.68	$30.13	$33.46

[1]Information from Annual Reports for years 2013, 2014, 2015, 2016 and 2017

[2]SP15, off-peak is used to determine Metropolitan's off-peak energy costs.

[3]SP15, on-peak is used to determine the market value of Metropolitan sales of excess energy, if any. SP15, on-peak is also used to determine the pumping costs associated with pumping non-Metropolitan water.

Metropolitan from time to time sells excess energy into the wholesale market and realizes revenues, which offset the total cost of energy as reflected in the System Power Rate. If Metropolitan were to deliver additional water through the CRA, these sales become a lost opportunity. The on-peak price index published on the CAISO OASIS Day Ahead Locational Marginal Price is indicative of the price that Metropolitan could realize by selling excess energy.

Table 16: South-of-Path 15 On-Peak Energy Prices

	CY 2013	CY 2014	CY 2015	CY 2016	CY 2017
January	$ 46.15	$ 49.53	$ 35.70	$ 30.14	$ 36.22
February	$ 46.45	$ 71.85	$ 31.88	$ 24.47	$ 28.52
March	$ 51.39	$ 52.06	$ 30.73	$ 19.61	$ 23.97
April	$ 56.34	$ 51.19	$ 29.03	$ 18.92	$ 26.71
May	$ 51.49	$ 51.85	$ 28.11	$ 23.06	$ 32.08
June	$ 47.77	$ 50.90	$ 37.01	$ 33.41	$ 38.14
July	$ 51.74	$ 53.18	$ 39.27	$ 39.03	$ 41.49
August	$ 45.44	$ 50.47	$ 39.02	$ 38.57	$ 54.96
September	$ 48.91	$ 51.49	$ 38.00	$ 35.55	$ 43.18
October	$ 42.82	$ 49.06	$ 35.55	$ 35.45	$ 47.86
November	$ 44.13	$ 49.28	$ 30.22	$ 30.67	$ 44.82
December	$ 52.14	$ 41.80	$ 29.83	$ 36.40	$ 44.21

MWh = megawatt-hour, or 1,000 kilowatt-hours

Metropolitan has an obligation to acquire and surrender emissions allowances for fossil-fuel energy generated out-of-state and imported into California through its 230,000-volt transmission system. Alternatively, Metropolitan can purchase power in California, which already incorporates any necessary emissions allowances, but must pay to use the California Independent System Operator transmission network. Metropolitan has contracted with Arizona Electric Power Cooperative (AEPCO) to provide energy management and scheduling services on a per Megawatt-hour basis. AEPCO also provides operational services for Metropolitan's CRA transmission system, assuring compliance with federal reliability requirements. Finally, Metropolitan's CRA power system is within the Balancing Authority Area of the CAISO; Metropolitan incurs Grid Management Charges from the CAISO on a per Megawatt-hour basis, and may realize a Resource Adequacy obligation depending on its pumping load and available firm resources.

Storage

Storage costs include the capital financing, operating, maintenance, and overhead costs for Diamond Valley Lake, Lake Mathews, Lake Skinner, and five smaller regulatory reservoirs within the Distribution System. Metropolitan's larger storage facilities are operated to provide: (1) emergency storage in the event of an earthquake or similar system outage; (2) drought storage that produces additional supplies during times of shortage; and (3) regulatory storage to balance system demands and supplies and provide for operating flexibility. To reasonably allocate the costs of storage capacity among member agencies, the storage function is categorized into sub-functions of emergency, drought, and regulatory storage.

Table 17: Functional Allocation of Metropolitan Storage Facilities

	Functional Allocations		
Storage Facilities	Emergency	Drought	Regulatory
Diamond Valley Lake	50%	45%	5%
Other Regulatory			100%
Lake Skinner	77%		23%
Lake Mathews	44%		56%
Semi-Tropic		100%	
Arvin-Edison		100%	
CRA Off-Stream		100%	
Groundwater Conjunctive Use		100%	

(a) DVL allocations are based on modeled changes in year-end reservoir levels (2004-2009) as relative to capacity and emergency storage criteria

(b) Lake Skinner and Lake Matthews allocation percentages are derived from Southern California's Integrated Water Resources Plan, March 1996, Volume 2 "Metropolitan's System Overview", Section 4, p. 10, Table 4-3.

Treatment

This function includes capital financing, operating, maintenance, and overhead costs for Metropolitan's five treatment plants and is considered separately from other costs so that the treatment function may be priced separately.

Distribution

This function includes capital financing, operating, maintenance, and overhead costs for the Distribution System of feeders, canals, pipelines, laterals, and other appurtenant works. The Distribution System facilities are distinguished from Conveyance and Aqueduct facilities at the point of connection to the SWP, Lake Mathews (CRA), and other major turnouts along the CRA facilities. Examples include the Rialto Pipeline; the Etiwanda Pipeline; the Foothill Feeder; the Sepulveda Feeder; the Santa Monica Feeder; the Upper, Middle, and Lower Feeders; and the San Diego Pipelines No.1, No. 2, No. 3, No. 4, and No. 5.

Demand Management

A separate demand management service function has been used to clearly identify the cost of Metropolitan's incentives for local resources like conservation, recycling, and desalination.

Metropolitan increased the emphasis on Demand Management programs after the devastating drought of the early 1990's. Metropolitan's 1996 Integrated Resources Plan identified the Preferred Resource Mix as the resource plan that achieved the region's reliability goal of providing the full capability to meet all retail-level demands during foreseeable hydrologic events, represented the least-cost sustainable resources plan, met the region's water quality objectives, was balanced and diversified and minimized risks, and was flexible, allowing for adjustments should future conditions change.

The Preferred Resource Mix included locally developed water supplies and conservation, and recognized that regional participation was important to achieve their development. Additional imported supplies frequently have relatively lower development costs, but can create a large cost commitment for regional infrastructure to transport and store those imported supplies. On the other hand, local projects, like those designed to recycle water or increase groundwater production, may have higher development costs but require little or no additional infrastructure to distribute water supplies to customers. This trade-off between relatively lower-cost imported supplies requiring large regional infrastructure investments and relatively higher-cost local supply development requiring less additional local infrastructure was an important consideration in the development of the Preferred Resource Mix. A strategy of aggressively investing in imported water supply would lead to higher costs for the region because of the larger investments required in infrastructure.

Demand Management Programs decrease and avoid operating and capital maintenance and improvement costs, such as costs for repair of and construction of additional or expanded water conveyance, distribution, and storage facilities. Investments in demand side management programs like conservation, water recycling, and groundwater recovery help defer the need for additional conveyance, distribution, and storage facilities. The programs also free up capacity in Metropolitan's system to convey both Metropolitan water, and water from other non-Metropolitan sources.

Metropolitan's 1996 Integrated Resource Plan included an analysis of future demand scenarios and their effect on infrastructure requirements. A comparison of capital infrastructure costs with and without Demand Management Programs showed a difference of around $2 billion. In other words, the ability to meet demand through local Demand Management Programs resulted in an anticipated $2 billion in capital cost savings. A sensitivity analysis further showed that a 5% increase or decrease in demand had a correlative effect on when Metropolitan would need to incur capital infrastructure costs. Since then, Metropolitan has seen the benefits materialize. Metropolitan has been able to defer the need to build additional infrastructure such as the Central Pool Augmentation Project tunnel and pipeline, completion of San Diego Pipeline No. 6, the West Valley Interconnection, and the completion of the SWP East Branch expansion. Overall, the decrease in demand resulting from these projects is estimated to defer the need for projects between four and twenty-five years at a savings of approximately $2.9 billion in 2017 dollars.

Since 1996, the Integrated Resources Plan has been updated three times, in 2004, 2010, and 2015, reaffirming long-term sustainability of the region's water supply through implementation of conservation and local resource development.

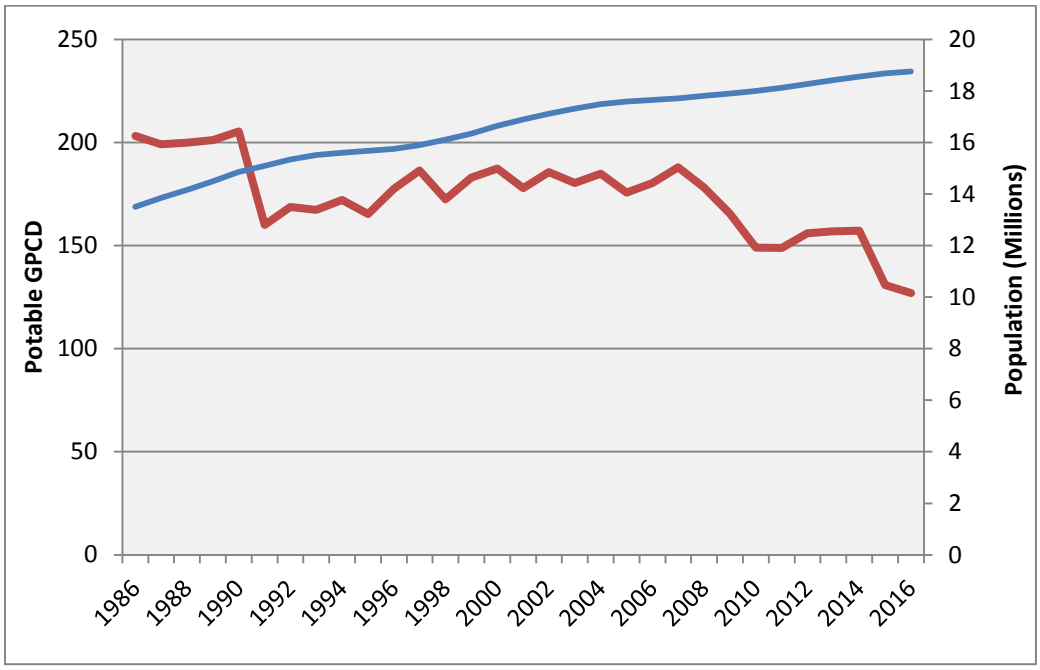
Demand management is an important part of Metropolitan's resource management efforts. Metropolitan's incentives in these areas contribute to savings for all users of the system in terms of lower capital costs that would otherwise have been required to expand and maintain the system.

Demand Management: SB-60

In September 1999, Governor Gray Davis signed SB 60 (Hayden) into law. SB 60 amended the Metropolitan Water District Act to direct Metropolitan to increase "sustainable, environmentally sound, and cost-effective water conservation, recycling, and groundwater storage and replenishment measures." SB 60 also requires Metropolitan to hold an annual public hearing to review its urban water management plan for adequacy in achieving an increased emphasis on cost-effective conservation and local water resource development, and to invite knowledgeable persons from the water conservation and sustainability fields to these hearings. Finally, Metropolitan is required to annually prepare and submit to the Legislature a report on it progress in achieving the goals of SB 60. SB 60 specifically indicated that no reimbursement was required by legislation because Metropolitan, as a local agency, has the authority to levy service charges, fees or assessments sufficient to pay for the program or level of service mandated by SB 60. No other water utility in California, public or private, has been specifically identified by the state Legislature and directed to pursue water conservation and local water resource development.

In fiscal year 2016/17 alone, Metropolitan's service area achieved 1.6 million acre-feet of water savings from conservation, recycled water and groundwater recovery programs. Figure 16 below compares population in millions on the right axis and gallons per capita daily (GPCD) water is on the left axis. While the population has increased to approximately 18.8 million in 2016, GPCD water use has decreased to approximately 127 GPCD. These reductions derived from programs for which Metropolitan paid incentives, as well as code-based conservation achieved through legislation, building and plumbing codes and ordinances, and reduced consumption resulting from changes in water pricing. Cumulatively, since 1982 Metropolitan has invested almost $1.4 billion and Metropolitan's service area has achieved 6.1 million acre-feet of water savings. These water savings reduce per capita water demands, allowing Metropolitan to serve a growing population with existing supplies and without constructing additional facilities for imported water.

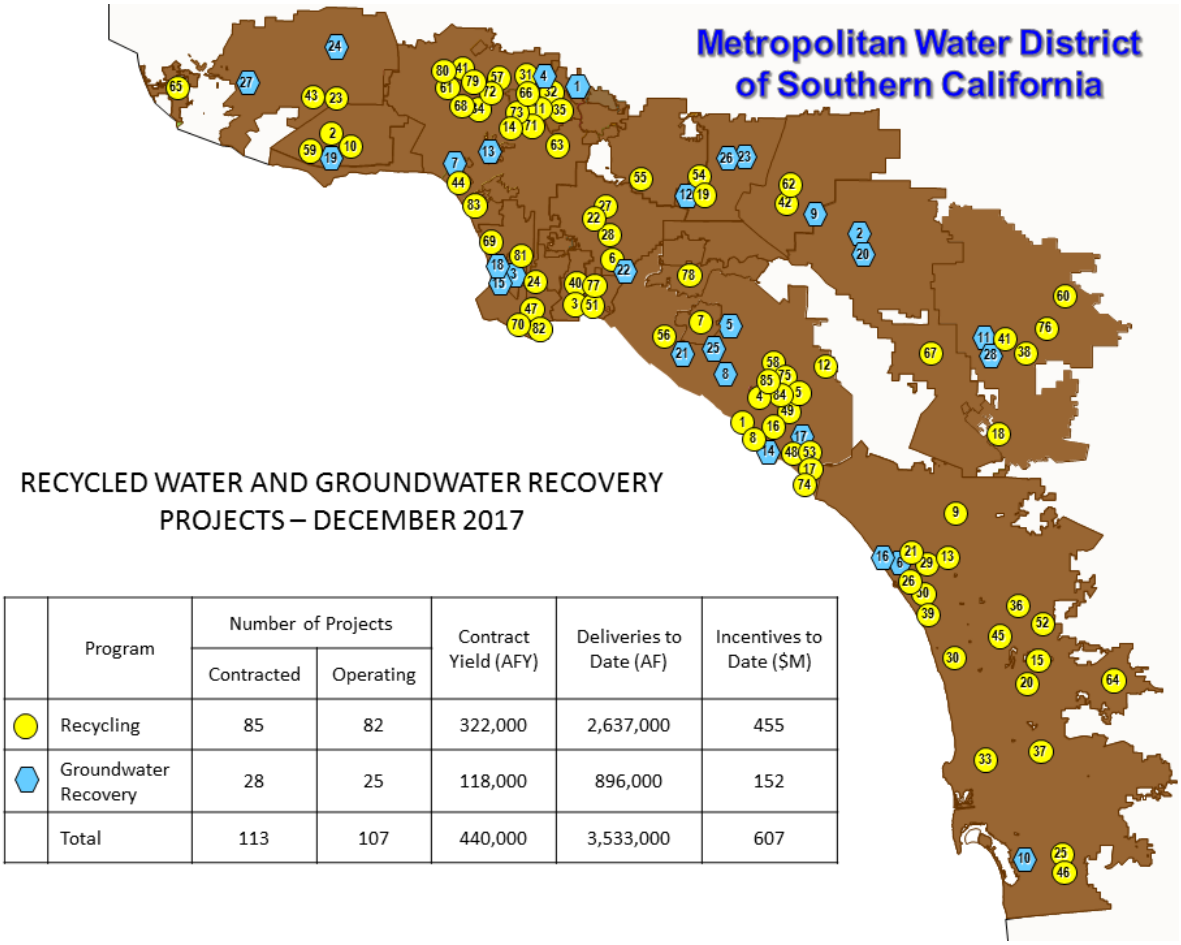
Figure 16: Population and Per Capita Daily Water Use



Metropolitan's Conservation Credits Program provides incentives to residents and businesses for use of water-efficient products and qualified water-saving activities. Rebates have been provided to residential customers for turf removal and purchasing of high-efficiency clothes washers and toilets. Rebates are also provided to businesses and institutions for water-saving devices. In fiscal year 2016/17, the Conservation Credits Program achieved 1.0 million acre-feet of saved water through new and existing conservation initiatives funded with incentives and maintained through plumbing codes. Cumulatively, through fiscal year 2016/17 the Conservation Credits Program has achieved over 2.6 million acre-feet of water savings.

Metropolitan provides financial incentives through its Local Resources Program for the development and use of recycled water and recovered groundwater for the participants. The Local Resources Program consists of 85 recycling projects and 28 groundwater recovery projects located throughout Metropolitan's service area, of which 107 projects are in operation, as shown in Figure 17. From the Local Resources Program's inception in 1982 through FY 2016/17, Metropolitan has paid out about $488 million in incentives to produce about 2.6 million acre-feet of recycled water. Metropolitan also provided approximately $151 million to produce 893,000 acre-feet of recovered degraded groundwater for municipal use.

Figure 17: Local Resources Program Projects



	Program	Number of Projects		Contract Yield (AFY)	Deliveries to Date (AF)	Incentives to Date ($M)
		Contracted	Operating			
●	Recycling	85	82	322,000	2,637,000	455
⬢	Groundwater Recovery	28	25	118,000	896,000	152
	Total	113	107	440,000	3,533,000	607

Demand Management: SB X7-7

SB X7-7 mandated a new requirement to lower urban per capita water use 20 percent by December 31, 2020. Enacted by the state Legislature and signed into law by Governor Schwarzenegger as part of a historic package of water reforms in November 2009, the "20x2020" plan gave local communities flexibility in meeting this target while accounting for previous efforts in conservation and recycling. The Legislature found that reducing water use through conservation and regional water resources management would result in protecting and restoring fish and wildlife habitats, reducing dependence on water through the Delta, and providing significant energy and environmental benefits. Metropolitan coordinates closely with its member agencies to achieve these targets both at a retail agency level in compliance with legislative requirements, and as a region, in achieving a true 20 percent reduction in per-capita water use.

Metropolitan provides incentives under both the Conservation Credits Program and the Local Resources Program. The incentives developed were based on the benefits of the programs. The financial benefits of these programs to Metropolitan continue to be the reduction in capital investments due to a deferral and/or downsizing of *regional* infrastructure to import water, and the reduction in Operations and Maintenance expenditures needed to distribute, store and treat imported water. These benefits occur year-round regardless of hydrologic conditions because once a large capital project is deferred, the savings are permanent. Additional benefits of local water management programs are realized during droughts or emergencies when imported supplies are scarcer. The greatest economic benefit associated with developing local resources is the downsizing of Metropolitan's regional capital investment plan needed to deliver additional imported water to member agencies.

Projects that have been deferred or downsized due to the conservation and local resource development include the Central Pool Augmentation Project tunnel and pipeline, completion of San Diego Pipeline No. 6, the West Valley Interconnection, and the completion of the SWP East Branch expansion.

The incentives must be adequate to cause member agencies to construct local resource development. The Local Resources Program was conceived in 1982. The easiest, most cost-effective projects have already been implemented. Future projects are more difficult to site and are more costly to develop. Member agencies have indicated that cost is the predominant constraint and that financial assistance is needed, especially in early years. In 2014, the Metropolitan Board increased the Local Resources Program incentives to account for the impact of inflation and the increase in the average unit cost of projects since the Local Resources Program was approved.

Administrative and General (A&G)

These costs occur in each of the Groups' departmental budgets and reflect overhead costs that cannot be directly functionalized. The COS process allocates A&G costs to the service functions based on the labor costs of non-A&G dollars allocated to each function.

Hydroelectric

Hydroelectric costs include the capital financing, operating, maintenance, and overhead costs incurred to operate the 16 small hydroelectric plants located throughout the water distribution system.

Functional Assignment Bases

The functional assignment bases are used to assign costs that make up the Revenue Requirement into the various service functions. The primary functional assignment bases used in the cost-of-service process are listed below.

- Direct assignment
- Net Book Value plus Work-In-Progress
- Prorating in proportion to other allocations
- Manager analysis
- Prior year results

Schedule 3 summarizes the total dollar amounts assigned, including the absolute value of Revenue Offsets (rather than showing Revenue Offsets as a reduction to costs), using each of the above types of assignment bases, for FY 2018/19 and FY 2019/20. It assigns both total Revenue Requirements before Revenue Offsets and Revenue Offsets by summing the items before assigning dollars to the primary functional assignment bases. To ensure the correct amount has been assigned, the Revenue Requirement is restated at the bottom portion of each fiscal year chart.

Schedule 3: Summary of Functional Assignments by Type of Assignment Basis, FY 2018/19 and FY 2019/20

Primary Functional Assignment Bases	Estimated for FY 2019	% of Assigned Dollars
Direct Assignment	$ 1,018,071,462	53.9%
Net Book Value	499,271,490	26.4%
Pro-Rating	89,716,625	4.7%
Manager Analysis	129,742,628	6.9%
Prior-Year Results	91,140,043	4.8%
Other	61,164,062	3.2%
Total Dollars Assigned	**$ 1,889,106,310**	**100.0%**
Portion of Above Assignment Relating to:		
Revenue Requirements before Offsets	1,723,818,834	
Revenue Offsets	165,287,476	
Total Dollars Assigned	**$ 1,889,106,310**	
Net Revenue Requirements		
Revenue Requirements before Offsets	1,723,818,834	
Revenue Offsets	(165,287,476)	
Net Revenue Requirements	**$ 1,558,531,358**	

Totals may not foot due to rounding

Primary Functional Assignment Bases	Estimated for FY 2020	% of Assigned Dollars
Direct Assignment	$ 1,072,145,091	55.0%
Net Book Value	498,345,448	25.5%
Pro-Rating	95,703,467	4.9%
Manager Analysis	134,958,281	6.9%
Prior-Year Results	95,192,306	4.9%
Other	54,393,509	2.8%
Total Dollars Assigned	**$ 1,950,738,100**	**100.0%**
Portion of Above Assignment Relating to:		
Revenue Requirements before Offsets	1,784,280,203	
Revenue Offsets	166,457,897	
Total Dollars Assigned	**$ 1,950,738,100**	
Net Revenue Requirements		
Revenue Requirements before Offsets	1,784,280,203	
Revenue Offsets	(166,457,897)	
Net Revenue Requirements	**$ 1,617,822,306**	

Totals may not foot due to rounding

Each of the primary assignment bases is discussed in detail in the remainder of this section. Discussion of each assignment basis includes examples of costs assigned using that particular basis.

(a) Direct assignment

Direct assignment makes use of a clear and direct connection between a revenue requirement and the function being served by that revenue requirement. Directly assigned costs typically include: purely administrative costs; and certain distribution and conveyance departmental costs. Examples of costs that are directly assigned to specific functional categories are given below.

- Water Conveyance and Distribution, Desert Region Unit departmental O&M costs are directly assigned to Conveyance and Aqueduct, CRA.

- Transportation Capital and OMP&R charges for State Water Contract are directly assigned to conveyance SWP.

(b) Net Book Value Plus Work-In-Progress

Capital financing costs, including debt service and funding replacements and refurbishments from operating revenues, comprise about 28 percent in FY 2018/19 and 29 percent in FY 2019/20 of Metropolitan's annual revenue requirements. One approach would be to assign payments on each debt issue in direct proportion to specific project expenditures made using bond proceeds and assign PAYGo expenditures in a similar fashion. But, this approach would result in a high degree of volatility in relative capital cost assignments from year to year.

The approach used in this analysis is one widely used in water industry cost of service studies. Debt-related costs and PAYGo are allocated on the basis of the net book values of fixed assets plus work in progress for assets under construction within each functional category. This approach produces capital cost assignments that are consistent with the functional distribution of assets. Also, since the assignment basis is tied to fixed asset records rather than debt payment records, the resulting assignments are more reflective of the true useful lives of assets. Use of net book values as an assignment basis provides an improved matching of functional costs with asset lives. A listing of fixed asset net book values summarized by asset function is shown in Schedule 4 for FY 2018/19 and FY 2019/20.

Schedule 4: Net Book Value and Work in Progress Assignment Base, FY 2018/19 and FY 2019/20

Functional Categories	NBV for FY 2019	% of Total NBV
Source of Supply	$ 366,597,676	4.0%
Conveyance & Aqueduct	2,009,549,104	22.1%
Storage	2,210,980,641	24.3%
Treatment	2,457,023,137	27.0%
Distribution	1,536,782,152	16.9%
Administrative & General	430,274,692	4.7%
Hydro-electric	85,509,135	0.9%
Total Fixed Assets Net Book Value	**$ 9,096,716,538**	**100.0%**

Totals may not foot due to rounding

Functional Categories	NBV for FY 2020	% of Total NBV
Source of Supply	$ 367,942,579	4.0%
Conveyance & Aqueduct	2,014,725,361	21.9%
Storage	2,187,606,471	23.8%
Treatment	2,456,936,569	26.7%
Distribution	1,656,233,878	18.0%
Administrative & General	433,252,386	4.7%
Hydro-electric	81,867,224	0.9%
Total Fixed Assets Net Book Value	**$ 9,198,564,468**	**100.0%**

Totals may not foot due to rounding

In most instances, the cost-of-service process uses net book value plus work-in-progress to develop assignment bases for debt service costs and PAYGo. Examples of revenue requirements assignments using these net book value and work-in-progress assignments follow.

- Revenue Bond Debt Service: assigned using Net Book Value plus Work In Progress.
- Annual deposit of operating revenue to replacement and refurbishment fund: assigned using Net Book Value plus Work In Progress.

To calculate the relative percentage of fixed assets in each functional category, Metropolitan staff conducted a detailed analysis of historical accounting records and built a database of fixed asset accounts that contains records for all facilities currently in service and under construction. Each facility was sorted into the major service function that best represented the facilities primary purpose and was then further categorized into the appropriate sub-functions described earlier.

(c) Pro-rating in proportion to other assignments

Utility COS studies frequently contain line items for which it would be difficult to identify an assignment basis specific to that line item. In these cases, the most logical assignment basis is often a pro-rata blend of assignment results calculated for other revenue requirements in the same departmental group, or general category. Reasonable pro-rata allocations are based on a logical nexus between a cost and the purpose which it serves. For example: Human Resources Section costs are allocated using all labor costs, since Human Resources spends its time and resources attending to the labor force.

(d) Manager analyses

The functional interrelationships of some organizational units are developed with extensive input from the organization's managers. In these cases, managers use their firsthand knowledge of the organization's internal operations to generate a functional analysis of departmental costs. For example, Fleet Services Unit costs are assigned to treatment, storage, conveyance, and distribution based on vehicle count by Section and Unit.

(e) Prior year results

If available, accounting data for the prior fiscal year by appropriation are used to functionalize Departmental O&M costs for several units or sections. Many of the appropriations parallel the service functions used in the COS. For example, Conveyance and Distribution Eastern and Western Units' costs are assigned to distribution, hydroelectric, and conveyance functions based on the prior year accounting data by appropriation.

A summary of the functional assignment results is shown in Schedules 5 through 8. Schedules 5 and 6 provide a breakdown of the revenue requirement for FY 2018/19 and FY 2019/20, respectively, into the major service functions and sub-functions prior to the redistribution of administrative and general costs. Schedules 7 and 8 serve as a cross-reference summarizing how the budget line items are distributed among the service functions for FY 2018/19 and FY 2019/20, respectively. The largest functional component of Metropolitan's revenue requirement is the Conveyance and Aqueduct function, which constitutes approximately 36 percent of the assigned revenue requirement in FY 2018/19 and 37 percent in FY 2019/20. Schedule 9 summarizes the budget line items distributed among the service functions by sub-function for both FY 2018/19 and FY 2019/20.

Functional assignment of Revenue Offsets

Revenue Offsets are assigned to the service functions based on why these revenues were generated. For example, ad valorem property tax revenues are assigned to the General Obligation bonds debt service into Treatment and Distribution based on Net Book Values. The remaining property tax revenues are assigned to SWP Conveyance and Supply, proportionate to SWP capital costs. Hydroelectric sales revenues are assigned to the Hydroelectric function. Interest income is assigned to the service functions proportional to Revenue Requirements. Miscellaneous revenues and fees are functionalized as Administrative and General, and thus are assigned to the service functions proportional to Labor Costs.

Schedule 5: Revenue Requirement (by function), FY 2018/19

Functional Categories	Fiscal Year Ending 2019	% of Assigned Dollars (1)
Source of Supply		
CRA	$ 42,192,983	2.7%
SWP	133,119,365	8.5%
Other Supply	31,227,024	2.0%
Total	**206,539,371**	**13.2%**
Conveyance & Aqueduct		
CRA		
CRA Power (net of sales)	50,639,427	3.2%
CRA All Other	57,527,761	3.7%
SWP		
SWP Power	157,702,436	10.0%
SWP All Other	222,356,600	14.2%
Other Conveyance & Aqueduct	75,570,791	4.8%
Total	**563,797,015**	**35.9%**
Storage		
Storage Costs Other Than Power		
Emergency	56,487,603	3.6%
Drought	47,304,949	3.0%
Regulatory	18,448,534	1.2%
Wadsworth plant pumping/generation	(489,163)	0.0%
Total	**121,751,922**	**7.8%**
Treatment		
Jensen	47,427,925	3.0%
Weymouth	50,466,978	3.2%
Diemer	56,635,445	3.6%
Mills	26,187,768	1.7%
Skinner	55,615,617	3.5%
Total	**236,333,733**	**15.1%**
Distribution	169,781,476	10.8%
Demand Management	100,222,835	6.4%
Hydroelectric	(5,091,107)	0.3%
Administrative & General	165,196,113	10.5%
Total Functional Assignment:	**$ 1,558,531,358**	**100.0%**

(1) Given as a percentage of the absolute values of total dollars Assigned.
Totals may not foot due to rounding

Schedule 6: Revenue Requirement (by function), FY 2019/20

Functional Categories	Fiscal Year Ending 2020	% of Assigned Dollars (1)
Source of Supply		
CRA	$ 35,114,634	2.2%
SWP	138,406,134	8.5%
Other Supply	31,728,072	1.9%
Total	**205,248,840**	**12.6%**
Conveyance & Aqueduct		
CRA		
CRA Power (net of sales)	60,602,405	3.7%
CRA All Other	59,833,796	3.7%
SWP		
SWP Power	164,965,889	10.1%
SWP All Other	243,897,849	15.0%
Other Conveyance & Aqueduct	73,585,229	4.5%
Total	**602,885,169**	**37.0%**
Storage		
Storage Costs Other Than Power		
Emergency	55,161,459	3.4%
Drought	46,144,585	2.8%
Regulatory	18,365,189	1.1%
Wadsworth plant pumping/generation	(487,984)	0.0%
Total	**119,183,250**	**7.4%**
Treatment		
Jensen	48,266,289	3.0%
Weymouth	52,009,931	3.2%
Diemer	57,755,310	3.5%
Mills	26,821,338	1.6%
Skinner	54,850,888	3.4%
Total	**239,703,756**	**14.7%**
Distribution	179,100,586	11.0%
Demand Management	97,476,206	6.0%
Hydroelectric	(5,956,327)	0.4%
Administrative & General	180,180,825	11.0%
Total Functional Assignment:	**$ 1,617,822,306**	**100.0%**

(1) Given as a percentage of the absolute values of total dollars Assigned.
Totals may not foot due to rounding

Schedule 7: Service Function Revenue Requirements (by budget line item), FY 2018/19

Fiscal Year Ending 2019	Source of Supply	Conveyance & Aqueduct	Storage	Treatment	Distribution	Demand Management	Hydro Electric	Administrative & General	Total $ Functionalized
Departmental Operations & Maintenance									
Office of General Manager	$ 336,054	$ 11,678,905	$ 170,919	$ 1,206,905	$ 976,390	$ 121,818	$ 53,373	$ 2,745,737	$ 17,290,102
Water Systems Operations	12,708,276	42,234,096	4,435,045	95,035,146	74,525,711	-	4,296,742	1,780,292	235,015,308
Water Resources Management	13,601,609	-	-	4,646	1,533,051	7,719,955	-	36,833	22,896,094
Engineering Services	1,486,030	8,145,854	8,962,372	9,959,723	6,229,459	-	346,618	1,744,150	36,874,205
Business Technology	2,553,766	5,682,593	1,298,865	9,171,616	7,419,867	925,731	405,593	33,380,776	60,838,807
Real Property	1,440,390	3,745,013	1,472,398	-	2,656,719	-	-	6,689,810	16,004,331
Human Resources	829,266	1,845,267	421,771	2,978,233	2,409,400	300,606	131,705	2,884,902	11,801,151
Office of the Chief Financial Officer	-	-	-	-	-	-	-	23,484,293	23,484,293
External Affairs	-	-	-	-	-	2,878,101	-	23,515,907	26,394,008
General Counsel	-	-	-	-	-	-	-	13,587,754	13,587,754
General Auditor	-	-	-	-	-	-	-	3,462,019	3,462,019
Ethics Office	-	-	-	-	-	-	-	1,334,788	1,334,788
Total Departmental O&M	32,955,391	73,331,729	16,761,371	118,356,269	95,750,596	11,946,211	5,234,031	114,647,261	468,982,859
General District Requirements									
State Water Project	129,750,532	436,950,947	-	-	-	-	-	-	566,701,479
Colorado River Aqueduct Power Costs	-	45,836,144	-	-	-	-	-	-	45,836,144
Supply Programs	61,164,062	-	-	-	-	-	-	-	61,164,062
Demand Management Programs	-	-	-	-	-	89,059,873	-	-	89,059,873
Capital Financing Program	17,635,026	96,668,507	106,358,286	122,072,327	84,406,633	-	4,113,381	20,698,182	451,952,341
Other Operating Costs	648,102	1,386,530	313,486	2,125,881	1,862,483	194,092	110,389	1,881,114	8,522,076
Increase/(Decrease) in Required Reserves	-	-	-	-	-	-	-	31,600,000	31,600,000
Total General District Requirements	209,197,722	580,842,128	106,671,771	124,198,208	86,269,116	89,253,965	4,223,770	54,179,296	1,254,835,975
Revenue Offsets	(35,613,741)	(90,376,842)	(1,681,220)	(6,220,744)	(12,238,236)	(977,342)	(14,548,908)	(3,630,444)	(165,287,476)
Net Revenue Requirements	**$ 206,539,371**	**$ 563,797,015**	**$ 121,751,922**	**$ 236,333,733**	**$ 169,781,476**	**$ 100,222,835**	**$ (5,091,107)**	**$ 165,196,113**	**$ 1,558,531,358**

Totals may not foot due to rounding

Schedule 8: Service Function Revenue Requirements (by budget line item), FY 2019/20

Fiscal Year Ending 2020	Source of Supply	Conveyance & Aqueduct	Storage	Treatment	Distribution	Demand Management	Hydro Electric	Administrative & General	Total $ Functionalized
Departmental Operations & Maintenance									
Office of General Manager	$ 355,792	$ 10,840,766	$ 171,455	$ 1,263,413	$ 1,029,362	$ 127,460	$ 55,695	$ 2,856,732	$ 16,700,676
Water Systems Operations	13,522,548	43,618,945	4,569,348	99,152,957	77,847,850	-	4,476,805	1,840,118	245,028,571
Water Resources Management	14,246,583	-	-	4,996	1,648,610	8,022,595	-	38,949	23,961,732
Engineering Services	1,469,656	8,047,323	8,737,854	9,813,626	6,615,417	-	326,998	1,730,520	36,741,395
Business Technology	2,946,335	6,290,077	1,419,829	10,462,400	8,524,210	1,055,500	461,215	37,180,181	68,339,747
Real Property	1,448,890	3,767,114	1,481,087	-	2,672,397	-	-	6,729,289	16,098,777
Human Resources	877,297	1,872,926	422,767	3,115,272	2,538,159	314,284	137,331	3,035,966	12,314,002
Office of the Chief Financial Officer	-	-	-	-	-	-	-	24,088,017	24,088,017
External Affairs	-	-	-	-	-	2,971,013	-	23,558,620	26,529,633
General Counsel	-	-	-	-	-	-	-	14,532,588	14,532,588
General Auditor	-	-	-	-	-	-	-	3,685,193	3,685,193
Ethics Office	-	-	-	-	-	-	-	1,384,584	1,384,584
Total Departmental O&M	34,867,100	74,437,152	16,802,339	123,812,664	100,876,005	12,490,852	5,458,045	120,660,757	489,404,914
General District Requirements									
State Water Project	134,964,743	467,584,512	-	-	-	-	-	-	602,549,255
Colorado River Aqueduct Power Costs	-	52,947,173	-	-	-	-	-	-	52,947,173
Supply Programs	54,393,509	-	-	-	-	-	-	-	54,393,509
Demand Management Programs	-	-	-	-	-	85,810,324	-	-	85,810,324
Capital Financing Program	17,463,168	95,622,222	103,827,447	120,440,628	89,117,712	-	3,885,555	20,562,880	450,919,612
Other Operating Costs	530,504	1,123,085	249,039	1,738,271	1,530,306	158,654	89,595	1,535,962	6,955,417
Increase/(Decrease) in Required Reserves	-	-	-	-	-	-	-	41,300,000	41,300,000
Total General District Requirements	207,351,923	617,276,991	104,076,486	122,178,899	90,648,019	85,968,978	3,975,149	63,398,842	1,294,875,289
Revenue Offsets	(36,970,183)	(88,828,973)	(1,695,575)	(6,287,807)	(12,423,439)	(983,624)	(15,389,521)	(3,878,774)	(166,457,897)
Net Revenue Requirements	**$ 205,248,840**	**$ 602,885,169**	**$ 119,183,250**	**$ 239,703,756**	**$ 179,100,586**	**$ 97,476,206**	**$ (5,956,327)**	**$ 180,180,825**	**$ 1,617,822,306**

Totals may not foot due to rounding

Schedule 9: Revenue Requirement by sub-function and budget line item, FY 2018/19 and FY 2019/20

Fiscal Year Ending 2019	Supply			Conveyance & Aqueduct					Storage				Treatment	Distribution	Demand Mgt.	Hydro	Total
	CRA	SWP	Other	CRA power	CRA other	SWP power	SWP other	Other C&A	Emergency	Drought	Regulatory	Power					
Dept. Operations & Maintenance	9,777,821	11,136,530	12,041,041	4,699,950	41,384,968	-	18,959,938	8,286,872	7,559,395	6,472,168	2,729,808	-	118,356,269	95,750,596	11,946,211	5,234,031	354,335,598
General District Requirements																	
State Water Project																	-
Capital	-	38,113,213	-	-	-	(4,219,489)	102,381,771	-	-	-	-	-	-	-	-	-	136,275,495
O&M	-	91,637,319	-	-	-	163,459,789	175,328,875	-	-	-	-	-	-	-	-	-	430,425,984
Colorado River Aqueduct Power	-	-	-	45,836,144	-	-	-	-	-	-	-	-	-	-	-	-	45,836,144
Supply Programs	32,640,956	26,923,566	1,599,541	-	-	-	-	-	-	-	-	-	-	-	-	-	61,164,062
Demand Management	-	-	-	-	-	-	-	-	-	-	-	-	-	-	89,059,873	-	89,059,873
Capital Financing Program	-	-	17,635,026	6,520,146	15,840,892	-	6,445,026	67,862,444	49,338,738	41,173,936	15,845,612	-	122,072,327	84,406,633	-	4,113,381	431,254,160
Other Operating Costs	185,660	206,509	255,933	107,077	862,894	-	258,141	158,418	140,320	120,148	53,018	-	2,125,881	1,862,483	194,092	110,389	6,640,962
Revenue Offsets	(411,453)	(34,897,772)	(304,516)	(6,523,890)	(560,993)	(1,537,865)	(81,017,152)	(736,943)	(550,849)	(461,303)	(179,904)	(489,163)	(6,220,744)	(12,238,236)	(977,342)	(14,548,908)	(161,657,032)
Admin. & General	6,342,658	20,011,161	4,694,201	3,274,502	7,911,692	6,305,108	32,396,424	8,162,603	3,679,803	7,111,114	1,863,086	(19,557)	25,046,696	21,275,988	15,065,992	2,074,644	165,196,113
Net Revenue Requirement	**48,535,641**	**153,130,525**	**35,921,224**	**53,913,928**	**65,439,453**	**164,007,545**	**254,753,023**	**83,733,393**	**60,167,406**	**54,416,063**	**20,311,620**	**(508,720)**	**261,380,429**	**191,057,463**	**115,288,827**	**(3,016,463)**	**1,558,531,358**

Totals may not foot due to rounding

Fiscal Year Ending 2020	Supply			Conveyance & Aqueduct					Storage				Treatment	Distribution	Demand Mgt.	Hydro	Total
	CRA	SWP	Other	CRA power	CRA other	SWP power	SWP other	Other C&A	Emergency	Drought	Regulatory	Power					
Dept. Operations & Maintenance	10,345,663	11,754,358	12,767,080	4,947,717	43,057,379	-	18,265,930	8,166,126	7,544,831	6,462,875	2,794,634	-	123,812,664	100,876,005	12,490,852	5,458,045	368,744,157
General District Requirements																	
State Water Project																	-
Capital	-	38,745,558	-	-	-	(4,292,647)	105,534,100	-	-	-	-	-	-	-	-	-	139,987,010
O&M	-	96,219,185	-	-	-	170,923,193	195,419,867	-	-	-	-	-	-	-	-	-	462,562,245
Colorado River Aqueduct Power	-	-	-	52,947,173	-	-	-	-	-	-	-	-	-	-	-	-	52,947,173
Supply Programs	24,971,426	27,813,803	1,608,280	-	-	-	-	-	-	-	-	-	-	-	-	-	54,393,509
Demand Management	-	-	-	-	-	-	-	-	-	-	-	-	-	-	85,810,324	-	85,810,324
Capital Financing Program	-	-	17,463,168	6,548,688	16,677,325	-	6,358,889	66,037,320	48,062,122	40,052,208	15,713,117	-	120,440,628	89,117,712	-	3,885,555	430,356,732
Other Operating Costs	151,884	168,910	209,710	87,110	702,870	-	208,779	124,326	111,135	95,144	42,760	-	1,738,271	1,530,306	158,654	89,595	5,419,454
Revenue Offsets	(354,339)	(36,295,680)	(320,165)	(3,928,282)	(603,778)	(1,664,656)	(81,889,715)	(742,542)	(556,629)	(465,641)	(185,322)	(487,984)	(6,287,807)	(12,423,439)	(983,624)	(15,389,521)	(162,579,123)
Admin. & General	5,503,542	21,692,495	4,972,764	4,049,196	8,660,801	7,517,201	37,171,582	8,658,636	3,997,359	7,232,275	2,024,792	(22,237)	27,467,610	23,800,297	15,277,517	2,176,995	180,180,825
Net Revenue Requirement	**40,618,176**	**160,098,629**	**36,700,835**	**64,651,601**	**68,494,598**	**172,483,090**	**281,069,432**	**82,243,865**	**59,158,818**	**53,376,860**	**20,389,982**	**(510,220)**	**267,171,366**	**202,900,883**	**112,753,723**	**(3,779,332)**	**1,617,822,306**

Totals may not foot due to rounding

Allocated Costs

In the cost allocation step, functionalized costs are further categorized based on the causes and behavioral characteristics of these costs. An important part of the allocation process is identifying which costs are incurred to meet average demands versus peak demands and which costs are incurred for standby. As with the functional assignment process, the proposed allocation process is consistent with AWWA guidelines, but has been tailored to meet Metropolitan's specific operational structure and service environment.

Two methods are discussed in the AWWA M1 Manual, Principles of Water Rates, Fees and Charges. These two methods are the Commodity/Demand method and the Base/Extra Capacity method.

In the simplest sense, these approaches offer alternative means of distinguishing between utility costs incurred to meet average or base demands and costs incurred to meet peak demands. The Commodity/Demand method allocates costs that vary with the amount of water produced to the commodity category with all other costs associated with water production allocated to the demand category. In the Base/Extra Capacity method, costs related to average demand conditions are allocated to the base category, and capacity costs associated with meeting above average demand conditions are allocated to the extra capacity category.

The Commodity/Demand approach was modified for its application to Metropolitan's rate structure by adding a separate cost allocation for costs related to standby. Analysis of system operating data indicated that a modified Commodity/Demand approach was most appropriate for developing Metropolitan's cost of service allocation bases.

A modified Commodity/Demand approach is the most appropriate for Metropolitan's cost of service needs because this approach is best suited for systems that are not designed to meet peak-day or peak-hour demands or provide flows for fire-fighting requirements. Metropolitan's system is designed to meet weekly demand peaks rather than daily or hourly peaks. It is also designed to provide available capacity to meet operation flexibility and reliability for emergencies, outages, and hydrologic variability.

Allocation categories used in the analysis include:

- Fixed Demand costs
- Fixed Commodity costs
- Fixed Standby costs
- Variable Commodity costs
- Hydroelectric costs

Fixed Demand costs are incurred to meet peak demands. Only the *direct* capital financing costs were included in the Fixed Demand allocation category. A portion of capital financing costs was included in the Fixed Demand allocation category because in order to meet peak demands additional physical capacity is designed into the system and, therefore, additional capital costs are incurred.

Variable Commodity costs vary with the amount of water produced, and include costs of chemicals, most power costs, and other O&M cost components that increase or decrease in relation to the volume of water supplied. Fixed Commodity costs include fixed operations and maintenance, and comprise the balance of Metropolitan's O&M expenses. Fixed Commodity costs also include capital financing costs associated with meeting average demands. Fixed Commodity costs do not vary with the amount of water produced.

Fixed standby costs relate to Metropolitan's role in ensuring system reliability during emergencies such as an earthquake, an outage of a major facility like the CRA, and hydrologic variability due to weather variances locally or in the two major supply basins Metropolitan relies on. Only the *direct* capital financing costs were

included in the Fixed Standby allocation category. The Fixed Standby costs identified include the emergency storage capacity within the system, and the available capacity within the conveyance and distribution systems.

An additional component used in Metropolitan's cost allocation process is the Hydroelectric component. While not a part of most water utilities' cost allocation procedures, the Hydroelectric allocation component is necessary to segregate revenue requirements carried from the hydroelectric function established in the functional assignment process. Hydroelectric revenue requirements are ultimately recovered in the distribution system portion of the System Access Rate. Any net revenues generated by the hydroelectric operations offset the distribution costs and reduce the System Access Rate. All users of the distribution system benefit proportionately from the revenue offset provided by the sale of hydroelectric energy.

Schedules 10 and 11 provide the allocation percentages used to distribute the capital financing service function costs into Fixed Demand, Fixed Commodity and Fixed Standby service allocation categories for FY 2018/19 and FY 2019/20, respectively.

All of the capital financing costs functionalized to Supply are allocated as Fixed Commodity costs. Because these particular supply costs have been incurred to provide an amount of annual reliable system yield and not to provide peak demand delivery capability or standby service, they are reasonably treated as Fixed Commodity costs.

Costs for the Conveyance and Aqueduct (C&A) service function are allocated into Fixed Commodity, Fixed Demand and Fixed Standby categories. Because the capital costs for C&A were incurred to meet all three allocation categories, an analysis of C&A capacity usage was used. For FY 2018/19, 51 percent of the available conveyance capacity varies with the quantity of water produced, and is allocated to Fixed Commodity. A system peak factor[14] of 1.4 was applied to the annual usage to determine that 21 percent of available capacity is used to meet peak monthly deliveries to the member agencies, and is allocated to Fixed Demand. The remaining portion of C&A, about 28 percent, is allocated to Fixed Standby. The same allocation percentages are applied to the CRA, SWP, and Other (Inland Feeder) Conveyance and Aqueduct sub-functions. The allocation shares reflect the system average use of conveyance capacity and not the usage of individual facilities. All of the Conveyance and Aqueduct energy costs for pumping water to Southern California are allocated as Variable Commodity costs and, therefore, are not shown in Schedule 6 because they carry through the allocation step. For FY 2019/20, 54 percent of the available conveyance capacity varies with the quantity of water produced, and is allocated to Fixed Commodity. A system peak factor of 1.4 was applied to the annual usage to determine that 22 percent of available capacity is used to meet peak monthly deliveries to the member agencies, and is allocated to Fixed Demand. The remaining portion of C&A, about 24 percent, is allocated to Fixed Standby.

Storage service function costs for emergency, drought and regulatory storage are also distributed to the allocation categories based on the type of service provided. Emergency storage costs are allocated as 100 percent Fixed Standby. Emergency storage is a prime example of a cost Metropolitan incurs to ensure the reliability of deliveries to the member agencies. In effect, through the emergency storage capacity in the system, Metropolitan is "standing by" with available capacity and water supply to provide service in the event

[14] Peak monthly deliveries to the member agencies average about 41 percent more than the average monthly deliveries.

of a catastrophe such as a major earthquake that disrupts regional conveyance capacity for an extended period of time. Drought carryover storage serves to provide reliable supplies by carrying over surplus supplies from periods of above normal precipitation and snow pack to drought periods when supplies decrease. Drought storage creates supply and is one component of the portfolio of resources that result in a reliable amount of annual system supplies. As a result, drought storage is allocated as a Fixed Commodity cost, in the same manner as Metropolitan's supply costs. Regulatory storage within the Metropolitan system provides operational flexibility in meeting peak demands and flow requirements, essentially increasing the physical distribution capacity. Therefore, regulatory storage is allocated in the same manner as Distribution costs.

Distribution service function costs were allocated as Fixed Commodity by using projected sales data for the test year. For FY 2018/19, 41 percent of the system distribution capacity is associated with the quantity of water delivered, and is allocated to Fixed Commodity. Distribution service function costs were allocated to Fixed Demand by using three years of recorded non-coincident peak demands. The difference between the three-year average non-coincident peak demand and the fixed commodity flows divided by the system capacity, or 32 percent of the distribution capacity, was used to meet non-coincident peak day demands, and is allocated to Fixed Demand. Although the Metropolitan Distribution System has a great deal of operational flexibility, the total amount of distribution capacity was limited to the historical non-coincident[15] peak (maximum) day flow of all the member agencies. The remaining 27 percent of distribution capacity is associated with Standby service, and is allocated to Fixed Standby. For FY 2019/20, 44 percent of the system distribution capacity is associated with the quantity of water delivered, and is allocated to Fixed Commodity, 29 percent was used to meet non-coincident peak (maximum) day demands and is allocated to Fixed Demand, and the remaining 27 percent of distribution capacity is associated with Standby service, and is allocated to Fixed Standby.

Treatment service function costs were allocated to Fixed Commodity by using projected treated deliveries to the member agencies for the test year. The Treatment Fixed Demand calculation uses the system non-coincident peak factor of 2.1 applied to the test year usage; the remaining capacity is associated with Fixed Standby service. Total treated water capacity of 3,652 cfs, which is the total design capacity of all the treatment plants, was used in the calculation. General and Administrative costs have been assigned to the allocation categories by service function based on the ratio of allocated non-A&G service function costs to total non-A&G service function costs.

[15] The term "non-coincident" means that the peak day for each agency may or may not coincide with the peak day for the system. A non-coincident approach is used in the rate design to capture the different operating characteristics of the member agencies. The sum of the member agency peak day demands is used as a proxy for peak week. For Metropolitan, "peak" and "maximum" flows, measured in cfs, are synonymous.

Schedule 10: Allocation Percentages, FY 2018/19

Fiscal year ending 2019	Allocation Percentages			Total %	
	Fixed	Fixed	Fixed		
Function	Commodity	Demand	Standby	Allocated	Comments
Source of Supply					
Colorado River Aqueduct	100%	0%	0%	100%	Supply costs allocated as fixed commodity
State Water Project	100%	0%	0%	100%	Supply costs allocated as fixed commodity
Conveyance & Aqueduct					
Colorado River Aqueduct	51%	21%	28%	100%	Demand percentage represents amount of system conveyance capacity used to meet maximum demands. Commodity percentage represents amount of capacity that is a function of the amount of water delivered. Standby percentage is the remaining conveyance capacity. SWP, CRA, and Other are treated the same due to the use of a uniform system-wide System Access Rate.
State Water Project	51%	21%	28%	100%	
Other	51%	21%	28%	100%	
Storage					
Emergency	0%	0%	100%	100%	Allocated as Standby (recovered by RTS)
Drought	100%	0%	0%	100%	Allocated as fixed commodity (recovered by Supply Rates)
Regulatory	41%	32%	27%	100%	Allocated the same way as distribution.
Treatment	32%	35%	34%	100%	Demand percentage represents amount of system treatment capacity used to meet maximum demands. Commodity percentage represents amount of capacity that is a function of the amount of treated water delivered. Standby percentage is the remaining treatment capacity. The same allocations is applied to all five treatment plants due to the use of a uniform system-wide Treatment Surcharge.
Distribution	41%	32%	27%	100%	Demand percentage represents amount of system distribution capacity used to meet maximum demands. Commodity percentage represents amount of capacity that is a function of the amount of water delivered. Standby percentage is the remaining distribution capacity. The same allocations is applied to all distribution facilities due to the use of a uniform system-wide System Access Rate.

Totals may not foot due to rounding

Schedule 11: Allocation Percentages, FY 2019/20

Fiscal year ending 2020	Allocation Percentages			Total %	
	Fixed	Fixed	Fixed		
Function	Commodity	Demand	Standby	Allocated	Comments
Source of Supply					
Colorado River Aqueduct	100%	0%	0%	100%	Supply costs allocated as fixed commodity
State Water Project	100%	0%	0%	100%	Supply costs allocated as fixed commodity
Conveyance & Aqueduct					
Colorado River Aqueduct	54%	22%	24%	100%	Demand percentage represents amount of system conveyance capacity used to meet maximum demands. Commodity percentage represents amount of capacity that is a function of the amount of water delivered. Standby percentage is the remaining conveyance capacity. SWP, CRA, and Other are treated the same due to the use of a uniform system-wide System Access Rate.
State Water Project	54%	22%	24%	100%	
Other	54%	22%	24%	100%	
Storage					
Emergency	0%	0%	100%	100%	Allocated as Standby (recovered by RTS)
Drought	100%	0%	0%	100%	Allocated as fixed commodity (recovered by Supply Rates)
Regulatory	44%	29%	27%	100%	Allocated the same way as distribution.
Treatment	33%	36%	30%	100%	Demand percentage represents amount of system treatment capacity used to meet maximum demands. Commodity percentage represents amount of capacity that is a function of the amount of treated water delivered. Standby percentage is the remaining treatment capacity. The same allocations is applied to all five treatment plants due to the use of a uniform system-wide Treatment Surcharge.
Distribution	44%	29%	27%	100%	Demand percentage represents amount of system distribution capacity used to meet maximum demands. Commodity percentage represents amount of capacity that is a function of the amount of water delivered. Standby percentage is the remaining distribution capacity. The same allocations is applied to all distribution facilities due to the use of a uniform system-wide System Access Rate.

Totals may not foot due to rounding

FY 2018/19 Service Function Revenue Requirements (by allocation category)

A summary of cost allocation results for FY 2018/19 is shown in Schedules 12 and 13. The allocation of the service function costs results in about 6 percent, or $96 million of the total revenue requirements, being allocated to the Fixed Demand allocation category. This amount represents a reasonable estimate of the annual fixed capital financing costs incurred to meet peak demands (plus the allocated administrative and general costs). A portion of Metropolitan's property tax revenue is allocated to Conveyance & Aqueduct (C&A) Fixed Demand costs and is used to pay for the general obligation bond debt service allocated to the C&A costs, and other SWP costs. This revenue offsets the amount that needs to be recovered through rates.

About 70 percent of the revenue requirement ($1,088 million) is allocated as Fixed Commodity. These fixed capital and operating costs are incurred by Metropolitan to meet annual average service needs and are typically recovered by a combination of fixed charges and volumetric rates. Fixed capital costs allocated to the Fixed Standby category total about $146 million and account for about 9 percent of the revenue requirements. Standby service costs are commonly recovered by a fixed charge allocated on a reasonable representation of a customer's need for standby service. The Variable Commodity costs for power on the conveyance and aqueduct systems, and power, chemicals and solids handling at the treatment plants change with the amount of water delivered to the member agencies. These costs are allocated as Variable Commodity costs, total about $231 million, and account for about 15 percent of the total revenue requirement. Because of the variable nature of these costs, it is appropriate to recover them through volumetric rates.

With regard to California WaterFix costs, consistent with the treatment of SWP Conveyance & Aqueduct costs, 51 percent of costs are allocated to Fixed Commodity, which is recovered through the System Access Rate, and 49 percent of costs are allocated to Fixed Demand and Fixed Standby, which is recovered through the Readiness-to-Serve Charge in FY 2018/19.

FY 2019/20 Service Function Revenue Requirement (by allocation category)

A summary of cost allocation results for FY 2019/20 is shown in Schedule 14 and 15. The allocation of the service function costs results in about 6 percent, or $99 million of the total revenue requirements, being allocated to the Fixed Demand allocation category. This amount represents a reasonable estimate of the annual fixed capital financing costs incurred to meet peak demands (plus the allocated administrative and general costs). A portion of Metropolitan's property tax revenue is allocated to C&A Fixed Demand costs and is used to pay for the general obligation bond debt service allocated to the C&A costs, and other SWP costs. This revenue offsets the amount that needs to be recovered through rates.

About 70 percent of the revenue requirement ($1,135 million) is allocated as Fixed Commodity. These fixed capital and operating costs are incurred by Metropolitan to meet annual average service needs and are typically recovered by a combination of fixed charges and volumetric rates. Fixed capital costs allocated to the Fixed Standby category total about $138 million and account for about 9 percent of the revenue requirements. Standby service costs are commonly recovered by a fixed charge allocated on a reasonable representation of a customer's need for standby service. The Variable Commodity costs for power on the conveyance and aqueduct systems, and power, chemicals and solids handling at the treatment plants change with the amount of water delivered to the member agencies. These costs are allocated as Variable Commodity costs, total about $250 million, and account for about 15 percent of the

total revenue requirement. Because of the variable nature of these costs, it is appropriate to recover them through volumetric rates.

In FY 2019/20, consistent with the treatment of SWP Conveyance & Aqueduct costs, 54 percent of California WaterFix costs are allocated to Fixed Commodity, which is recovered through the System Access Rate, and 49 percent of costs are allocated to Fixed Demand and Fixed Standby, which is recovered through the Readiness-to-Serve Charge.

Schedule 12: Revenue Requirements by sub-function and allocation category, FY 2018/19

Fiscal Year Ending 2019	Supply			Conveyance & Aqueduct					Storage				Treatment	Distribution	Demand Mgt.	Hydro	Total
	CRA	SWP	Other	CRA power	CRA other	SWP power	SWP other	Other C&A	Emergency	Drought	Regulatory	Power					
Fixed Demand																	
engineering factors					20.9%		20.9%	20.9%			31.9%		34.6%	31.9%			
SWP Capital					-		21,348,970	-			-		-	-			21,348,970
Capital Financing					3,303,193		1,343,937	14,150,891			5,059,460		42,204,375	26,950,805			93,012,661
A&G less Offsets					50,898		(18,003,159)	(30,176)			266,577		1,371,162	(2,102,664)			(18,447,362)
Total fixed demand					3,354,091		4,689,748	14,120,715			5,326,038		43,575,537	24,848,141			95,914,269
					-		-	-			-		-	-			-
Fixed Commodity																	
engineering factors	100.0%	100.0%	100.0%	100.0%	50.9%		50.9%	50.9%		100.0%	41.4%		31.7%	41.4%			
Capital Financing		-	17,635,026	6,520,146	8,056,568		3,277,895	34,514,368		41,173,936	6,553,945		38,719,610	34,911,648			191,363,143
SWP Capital		38,113,213	-	-	-		52,070,659	-		-	-		-	-			90,183,871
SWP O&M		91,637,319	-	-	-		175,328,875	-		-	-		-	-			266,966,195
Dept. O&M	9,777,821	11,136,530	12,041,041	4,699,950	41,384,968		18,959,938	8,286,872	7,559,395	6,472,168	2,729,808		91,257,943	95,750,596	11,946,211		322,003,240
Supply Programs	32,640,956	26,923,566	1,599,541	-	-		-	-	-	-	-		-	-	-		61,164,062
Demand Management	-	-	-	-	-		-	-	-	-	-		-	-	89,059,873		89,059,873
Other Operating Costs	185,660	206,509	255,933	107,077	862,894		258,141	158,418	140,320	120,148	53,018		2,125,881	1,862,483	194,092		6,530,573
A&G less Offsets	5,931,205	(14,886,611)	4,389,684	1,702,757	7,233,803		(6,190,108)	6,457,908	996,046	6,649,811	1,196,601		20,454,171	12,913,217	14,088,650		60,937,135
Total fixed commodity	48,535,641	153,130,525	35,921,224	13,029,930	57,538,233		243,705,401	49,417,566	8,695,761	54,416,063	10,533,372		152,557,605	145,437,945	115,288,827		1,088,208,092
Fixed Standby																	
engineering factors	-	-	-		28.3%		28.3%	28.3%	100.0%		26.7%		33.7%	26.7%			-
SWP Capital	-	-	-		-		28,962,142	-	-		-		-	-			28,962,142
Capital Financing	-	-	-		4,481,131		1,823,193	19,197,185	49,338,738		4,232,207		41,148,343	22,544,179			142,764,975
A&G less Offsets	-	-	-		65,998		(24,427,461)	997,928	2,132,908		220,003		(2,771,510)	(1,772,802)			(25,554,936)
Total fixed standby	-	-	-		4,547,129	-	6,357,874	20,195,113	51,471,645		4,452,210		38,376,833	20,771,377			146,172,181
Variable Commodity																	
SWP Power	-	-	-	-	-	159,240,301	-	-	-		-		-	-			159,240,301
CRA Power	-	-	-	45,836,144	-	-	-	-	-		-		-	-			45,836,144
Variable Treatment	-	-	-	-	-	-	-	-	-		-		27,098,326	-			27,098,326
A&G less Offsets	-	-	-	(4,952,145)	-	4,767,244	-	-	-		-	(508,720)	(227,871)	-			(921,493)
Total variable commodity	-	-	-	40,883,998	-	164,007,545	-	-	-		-	(508,720)	26,870,455	-			231,253,278
Hydroelectric	-	-	-	-	-	-	-	-	-		-	-	-	-		9,457,801	9,457,801
A&G less Offsets	-	-	-	-	-	-	-	-	-		-	-	-	-		(12,474,264)	(12,474,264)
Total hydroelectric	-	-	-	-	-	-	-	-	-		-	-	-	-		(3,016,463)	(3,016,463)
Total Costs	**48,535,641**	**153,130,525**	**35,921,224**	**53,913,928**	**65,439,453**	**164,007,545**	**254,753,023**	**83,733,393**	**60,167,406**	**54,416,063**	**20,311,620**	**(508,720)**	**261,380,429**	**191,057,463**	**115,288,827**	**(3,016,463)**	**1,558,531,358**

Totals may not foot due to rounding

Schedule 13: Service Function Revenue Requirements (by allocation category), FY 2018/19

Fiscal year ending 2019 Functional categories (by sub-Fuction)	Fixed Demand	Fixed Commodity	Fixed Standby	Variable Commodity	Hydroelectric	Total allocated
Source of Supply						
CRA	$ -	$ 48,535,641	$ -	$ -	$ -	$ 48,535,641
SWP	-	153,130,525	-	-	-	153,130,525
Other Supply	-	35,921,224	-	-	-	35,921,224
Subtotal: Source of Supply	-	237,587,391	-	-	-	**237,587,391**
Conveyance & Aqueduct						
CRA						
CRA Power	-	13,029,930	-	40,883,998	-	53,913,928
CRA All Other	3,354,091	57,538,233	4,547,129	-	-	65,439,453
SWP						
SWP Power	-	-	-	164,007,545	-	164,007,545
SWP All Other	4,689,748	243,705,401	6,357,874	-	-	254,753,023
Other Conveyance & Aqueduct	14,120,715	49,417,566	20,195,113	-	-	83,733,393
Subtotal: Conveyance & Aqueduct	22,164,553	363,691,130	31,100,116	204,891,543	-	**621,847,342**
Storage						
Storage Costs Other Than Power						
Emergency	-	8,695,761	51,471,645	-	-	60,167,406
Drought	-	54,416,063	-	-	-	54,416,063
Regulatory	5,326,038	10,533,372	4,452,210	-	-	20,311,620
Storage Power	-	-	-	(508,720)	-	(508,720)
Subtotal: Storage	5,326,038	73,645,196	55,923,855	(508,720)	-	**134,386,368**
Treatment	43,575,537	152,557,605	38,376,833	26,870,455	-	**261,380,429**
Distribution	24,848,141	145,437,945	20,771,377	-	-	**191,057,463**
Demand Management	-	115,288,827	-	-	-	**115,288,827**
Hydroelectric	-	-	-	-	(3,016,463)	**(3,016,463)**
Total Costs Allocated	**$ 95,914,269**	**$ 1,088,208,092**	**$ 146,172,181**	**$ 231,253,278**	**$ (3,016,463)**	**$ 1,558,531,358**

Totals may not foot due to rounding

Schedule 14: Revenue Requirements by sub-function and allocation category, FY 2019/20

Fiscal Year Ending 2020	Supply			Conveyance & Aqueduct					Storage				Treatment	Distribution	Demand Mgt.	Hydro	Total
	CRA	SWP	Other	CRA power	CRA other	SWP power	SWP other	Other C&A	Emergency	Drought	Regulatory	Power					
Fixed Demand																	
engineering factors					22.1%		22.1%	22.1%			29.4%		36.4%	29.4%			
SWP Capital					-		23,340,019	-			-		-	-			23,340,019
Capital Financing					3,688,373		1,406,338	14,604,875			4,623,268		43,891,292	26,221,088			94,435,232
A&G less Offsets					82,289		(19,199,668)	99,065			280,687		1,714,787	(1,688,197)			(18,711,036)
Total fixed demand					3,770,661		5,546,689	14,703,940			4,903,955		45,606,079	24,532,891			99,064,215
					-		-	-			-		-	-			-
Fixed Commodity																	
engineering factors	100.0%	100.0%	100.0%	100.0%	53.9%		53.9%	53.9%		100.0%	43.9%		33.4%	43.9%			
Capital Financing		-	17,463,168	6,548,688	8,996,031		3,430,092	35,621,645		40,052,208	6,893,031		40,267,240	39,094,162			198,366,265
SWP Capital		38,745,558	-	-	-		56,926,876	-		-	-		-	-			95,672,433
SWP O&M		96,219,185	-	-	-		195,419,867	-		-	-		-	-			291,639,052
Dept. O&M	10,345,663	11,754,358	12,767,080	4,947,717	43,057,379		18,265,930	8,166,126	7,544,831	6,462,875	2,794,634		96,098,746	100,876,005	12,490,852		335,572,195
Supply Programs	24,971,426	27,813,803	1,608,280	-	-		-	-	-	-	-		-	-	-		54,393,509
Demand Management	-	-	-	-	-		-	-	-	-	-		-	-	85,810,324		85,810,324
Other Operating Costs	151,884	168,910	209,710	87,110	702,870		208,779	124,326	111,135	95,144	42,760		1,738,271	1,530,306	158,654		5,329,860
A&G less Offsets	5,149,204	(14,603,185)	4,652,599	1,815,493	7,891,797		(4,724,440)	6,882,375	1,071,372	6,766,634	1,310,689		22,810,890	14,631,062	14,293,893		67,948,382
Total fixed commodity	40,618,176	160,098,629	36,700,835	13,399,008	60,648,077		269,527,103	50,794,472	8,727,338	53,376,860	11,041,114		160,915,147	156,131,536	112,753,723		1,134,732,020
Fixed Standby																	
engineering factors	-	-	-		23.9%		23.9%	23.9%	100.0%		26.7%		30.1%	26.7%			-
SWP Capital	-	-	-		-		25,267,205	-	-		-		-	-			25,267,205
Capital Financing	-	-	-		3,992,922		1,522,459	15,810,800	48,062,122		4,196,819		36,282,096	23,802,462			133,669,679
A&G less Offsets	-	-	-		82,938		(20,794,025)	934,654	2,369,358		248,094		(2,696,009)	(1,566,006)			(21,420,997)
Total fixed standby	-	-	-		4,075,860	-	5,995,639	16,745,453	50,431,480		4,444,913		33,586,087	22,236,456			137,515,887
Variable Commodity																	
SWP Power	-	-	-	-	-	166,630,545	-	-	-		-		-	-			166,630,545
CRA Power	-	-	-	52,947,173	-	-	-	-	-		-		-	-			52,947,173
Variable Treatment	-	-	-	-	-	-	-	-	-		-		27,713,918	-			27,713,918
A&G less Offsets	-	-	-	(1,694,579)	-	5,852,544	-	-	-		-	(510,220)	(649,865)	-			2,997,880
Total variable commodity	-	-	-	51,252,593	-	172,483,090	-	-	-		-	(510,220)	27,064,053	-			250,289,516
Hydroelectric	-	-	-	-	-	-	-	-	-		-	-	-	-		9,433,194	9,433,194
A&G less Offsets	-	-	-	-	-	-	-	-	-		-	-	-	-		(13,212,526)	(13,212,526)
Total hydroelectric	-	-	-	-	-	-	-	-	-		-	-	-	-		(3,779,332)	(3,779,332)
Total Costs	**40,618,176**	**160,098,629**	**36,700,835**	**64,651,601**	**68,494,598**	**172,483,090**	**281,069,432**	**82,243,865**	**59,158,818**	**53,376,860**	**20,389,982**	**(510,220)**	**267,171,366**	**202,900,883**	**112,753,723**	**(3,779,332)**	**1,617,822,306**

Totals may not foot due to rounding

Schedule 15: Service Function Revenue Requirements (by allocation category), FY 2019/20

Fiscal year ending 2020 Functional categories (by sub-Fuction)	Fixed Demand	Fixed Commodity	Fixed Standby	Variable Commodity	Hydroelectric	Total allocated
Source of Supply						
CRA	$ -	$ 40,618,176	$ -	$ -	$ -	$ 40,618,176
SWP	-	160,098,629	-	-	-	160,098,629
Other Supply	-	36,700,835	-	-	-	36,700,835
Subtotal: Source of Supply	-	237,417,641	-	-	-	**237,417,641**
Conveyance & Aqueduct						
CRA						
CRA Power	-	13,399,008	-	51,252,593	-	64,651,601
CRA All Other	3,770,661	60,648,077	4,075,860	-	-	68,494,598
SWP						
SWP Power	-	-	-	172,483,090	-	172,483,090
SWP All Other	5,546,689	269,527,103	5,995,639	-	-	281,069,432
Other Conveyance & Aqueduct	14,703,940	50,794,472	16,745,453	-	-	82,243,865
Subtotal: Conveyance & Aqueduct	24,021,291	394,368,660	26,816,952	223,735,683	-	**668,942,586**
Storage						
Storage Costs Other Than Power						
Emergency	-	8,727,338	50,431,480	-	-	59,158,818
Drought	-	53,376,860	-	-	-	53,376,860
Regulatory	4,903,955	11,041,114	4,444,913	-	-	20,389,982
Storage Power	-	-	-	(510,220)	-	(510,220)
Subtotal: Storage	4,903,955	73,145,312	54,876,393	(510,220)	-	**132,415,439**
Treatment	45,606,079	160,915,147	33,586,087	27,064,053	-	**267,171,366**
Distribution	24,532,891	156,131,536	22,236,456	-	-	**202,900,883**
Demand Management	-	112,753,723	-	-	-	**112,753,723**
Hydroelectric	-	-	-	-	(3,779,332)	**(3,779,332)**
Total Costs Allocated	**$ 99,064,215**	**$ 1,134,732,020**	**$ 137,515,887**	**$ 250,289,516**	**$ (3,779,332)**	**$ 1,617,822,306**

Totals may not foot due to rounding

Distribution of Costs: Rates and Charges

Use of System-Wide (Postage Stamp) Rates

Metropolitan's rate structure consists of unbundled rate elements designed to provide transparency regarding the cost of specific functions to member agencies (system access, untreated water supplies, water treatment, etc.). The rates for each of these unbundled rate elements are uniform across Metropolitan's entire regional service area; they do not vary by member agency and they do not vary by geographic zone or distance.

In the utility industry, system-wide rates that are the same for all customers are referred to as "postage stamp" rates. Under a postage stamp rate design approach, every customer pays the same average rate for a service regardless of whether the cost caused by, or the benefit derived by, a customer for a given transaction varies from the average. The postage stamp rate design approach stands in contrast to alternative rate design approaches such as distance sensitive pricing schemes that attempt to develop rates applicable to specific geographic zones.

Metropolitan's system is not a point-to-point service, but an interconnected regional system. In order to balance the local concerns within the region, Metropolitan has long maintained postage stamp rates. In fact, Metropolitan has used uniform postage stamp rates since it started delivering water in 1942. Under the postage stamp approach, an agency develops an average rate for a service, as opposed to a point-to-point rate based on each customer's specific use, and all customers receiving that service pay the average rate. This allows the agency to establish non-discriminatory rates that match the cost of providing the service to a customer class. A postage stamp approach is especially appropriate for an interconnected regional system because it allows the agency to develop reliable alternatives to point-to-point service. Metropolitan's uniform, postage stamp rate structure has allowed it to develop an interconnected regional conveyance and distribution system with the ability to deliver supplies from the SWP, the CRA, and its storage portfolio throughout its vast and diverse service area. Metropolitan's conveyance and distribution system can deliver water from both the SWP and CRA to almost every member agency. This flexibility benefits all member agencies. Uniform, postage stamp rates provide a region-wide funding mechanism to recover the costs of Metropolitan's integrated system, help ensure economies of scale, and result in lower costs for all of Metropolitan's member agencies. Given Metropolitan's integrated system, it is not logical to do otherwise.

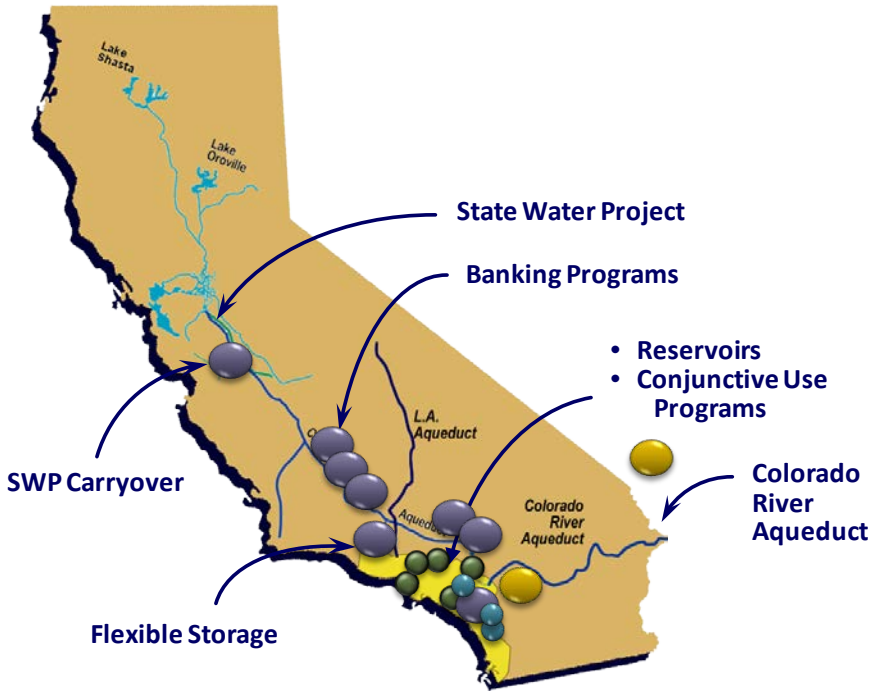
Metropolitan's system draws on diverse supply sources, transports water across a large part of the State, distributes water in six counties, and serves an area home to 18.5 million residents. The 2007 Integrated Area Study (IAS), emphasized regional system flexibility as a key component of overall reliability.[16] Metropolitan must maintain operational flexibility—the ability to respond to short-term changes in regional water supply, water quality, treatment requirements, and member agency demands. And it must maintain delivery flexibility—the ability to maintain partial to full water

[16] 2007 Integrated Area Study, Report No. 1317, pg. 2-10.

supply deliveries during planned and unplanned facility outages. Metropolitan is also required by state statute to have the objective, to the extent determined to be reasonable and practical, to deliver a blend of water constituting at least 50 percent of SWP water. (MWD Act, Sec. 136.) Each of Metropolitan's integrated conveyance, distribution and storage assets contributes to regional system reliability. It is fair and reasonable, therefore, to expect member agencies to share the cost of developing and maintaining these assets because all member agencies benefit from regional system reliability.

Operational flexibility has been achieved by creating an interconnected regional delivery network integrating the SWP and the CRA conveyance systems with the Distribution System. This integrated network allows Metropolitan to incorporate supply from the SWP and the CRA with a diverse portfolio of geographically dispersed storage programs, including the Central Valley groundwater storage programs, carryover storage in San Luis Reservoir, flexible storage capacity in Castaic Lake and Lake Perris, Lake Mead storage, the DWCV Advanced Delivery account, in-basin surface storage in DVL and Lake Mathews, and in-basin groundwater Conjunctive Use Programs. This integrated, regional network allows Metropolitan to move supplies throughout the system in response to service demands, supply availability and operational needs, and is shown in Figure 18.

Figure 18: Metropolitan Facilities, Supplies and Storage Portfolio



System flexibility and integration is easily demonstrated. In a year with a high SWP allocation, SWP supplies can be moved from the West Branch down into the Central Pool as far as western Orange County; on the East Branch, moving SWP supplies results in high SWP blends for eastern areas all the way into south San Diego County, with relatively little Colorado River water delivered to the Skinner area. In a year with a low SWP allocation, Colorado River water will dominate; this impact is mitigated by blending Colorado River water with SWP supplies stored in DVL. Under normal operations these CRA supplies can be pushed as far west as the Santa Monica Feeder.

Figure 19: Operating Flexibility and Regional System Reliability: SWP Integration

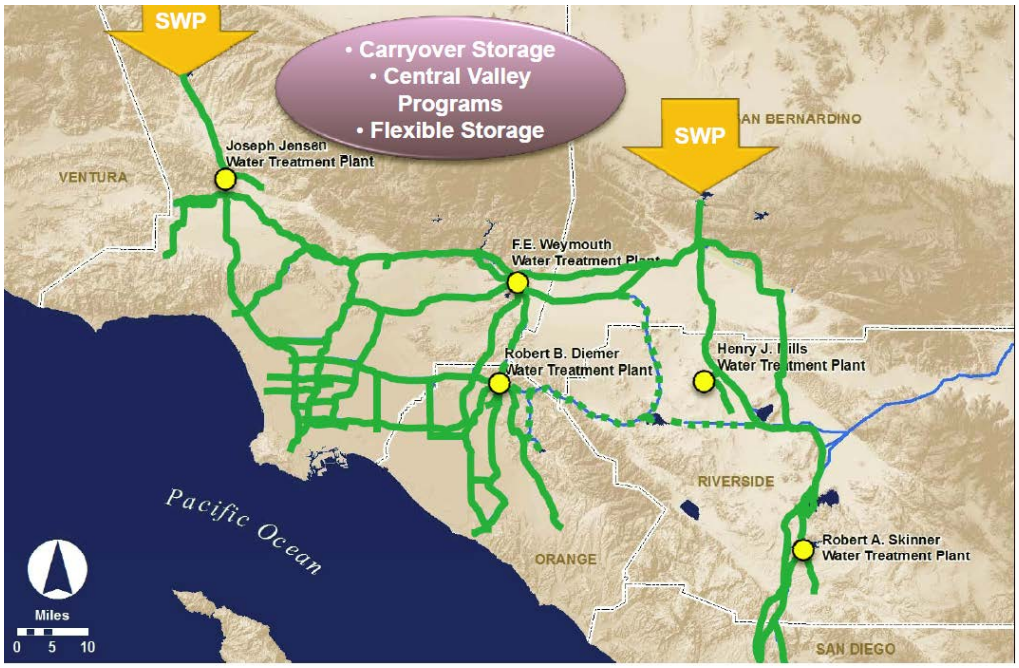
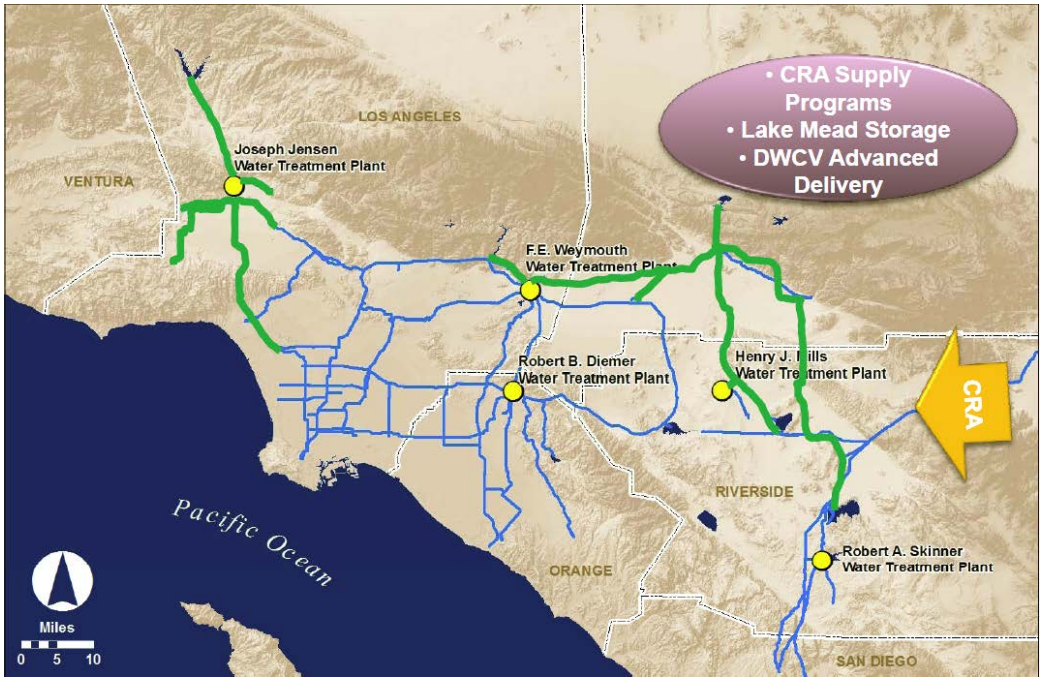


Figure 19 shows the portion of the Metropolitan service area served by SWP supplies and storage programs highlighted in green. Figure 20, Operating Flexibility and Regional System Reliability: CRA Integration, shows the portion of the Metropolitan service area served by CRA supplies and storage programs highlighted in blue for a normal year.

Figure 20: Operating Flexibility and Regional System Reliability: CRA Integration



The integrated conveyance and distribution network that Metropolitan has developed to serve the member agencies enables water supplies from multiple sources to be delivered throughout its service area to provide regional reliability. In 2014, the SWP allocation was a historically low 5 percent. Metropolitan re-operated its system to move CRA water all the way west to deliver to the areas south, west and east of the Jensen treatment plant, which are normally served with SWP water.

Metropolitan's operational flexibility developed over time to where Metropolitan now has substantial operational flexibility to accommodate short-term changes in water supply, treatment, and demands. This is the result of having multiple water supplies and the ability to blend the supplies, robust treatment processes, and large storage capacities in multiple treated and untreated water reservoirs.

Delivery flexibility helps mitigate the impacts of regional facility outages. Metropolitan's delivery flexibility also developed over time. The 2007 IAS reported that 260 of 344 service connections, or 76 percent, had full back-up capability for single failures within Metropolitan's Distribution System. In the event of a treatment plant outage, 299 of 344 service connections, or 87 percent, had full back-up capability[17].

The same flexibility principles inform development and operation of Metropolitan's storage functionality. Metropolitan's ability to shift among resources in its storage portfolio in order to enhance the regional reliability of Metropolitan's imported water service in the face of so many changing conditions is the result of its integrated, flexible operating system, consisting of the entitlement to use the SWP conveyance and the CRA and the Distribution System. Metropolitan is able to accomplish system reliability and operational flexibility while accommodating outages, managing to water quality goals, minimizing the risk of invasive species infestation and maintaining emergency storage reserves.

Metropolitan's integrated, flexible system directly benefits all agencies as to all services, including wheeling and exchange services. Wheeling and exchange transactions benefit from a robust and flexible system, including Metropolitan's right to use SWP facilities. Metropolitan's integrated, flexible system makes deliveries of wheeled and exchanged water possible as Metropolitan delivers this water from whatever source or sources and by whatever delivery path is determined by Metropolitan. Given the operating flexibility of Metropolitan's system, Metropolitan allocates costs in a way that allows it to develop and maintain such a flexible system. And every member agency is served by this system flexibility.

The vast majority of utilities operate under an implicit regulatory compact, which provides the exclusive service area in exchange for the obligation to serve. Metropolitan's system is a wholesale system and provides only "supplemental" supplies. Metropolitan is a wholesaler that has no exclusive right to serve in its service area. To the degree a member agency has local resources, develops local resources, implements conservation, or otherwise reduces demands, that member agency does not require Metropolitan's services. Moreover, member agencies are free to acquire supplies from other sources. Indeed, Metropolitan's Board has adopted the concept of "direct

[17] 2007 Integrated Area Study, Report No. 1317, pp. 2-10 and 2-11.

access", or customer choice for supplier, to accommodate a water transfer market.[18] Unbundled, postage stamp rates ensure that agencies that use Metropolitan's system to move non-Metropolitan water pay a fair and reasonable share of the relevant system costs, including the cost of facilities, power and conservation programs that help ensure capacity.

Metropolitan maintains an unbundled rate structure based on types of functions creating the costs, which provides transparency. Member agencies pay rates based on the services they use (full service treated, full service untreated, or wheeling), and agencies that use the same service pay the same rate. Agencies that purchase full service water pay for supply, whereas agencies that do not purchase full service water pay no supply costs. Agencies that take treated full service water cover treatment costs, whereas agencies that take untreated full service water pay no treatment costs. An agency that wheels a third party's water through Metropolitan's system pays wheeling costs, but no supply costs. In fact, Metropolitan provides incentives for conservation and local resource development so member agencies do not have to take full service or wheeling services from Metropolitan. Agencies that use a combination of services pay costs based ***only*** on the specific services they use.

This is an important distinction in the context of not having an exclusive service area. A water agency with an exclusive service area has more certainty in its revenues because it has no competition for its services. Metropolitan does have competition for its services. Therefore, Metropolitan has developed its unbundled rate structure in a fair and reasonable manner to ensure that system users pay for the services they use and the benefits they enjoy. Fair and reasonable rates that reflect applicable costs avoid negatively impacting the rates and charges paid by member agencies who do not acquire their own supplies to move through Metropolitan's interconnected delivery network. This is particularly true with regard to member agencies exercising choice of supplier. Compared to other water systems, Metropolitan's system is used to move significant amounts of non-Metropolitan supplies.

Customer Class

Metropolitan, a wholesaler, provides two types of services: full service water service (treated or untreated) and wheeling service. Metropolitan has one class of customers: its member agencies. The level of rate unbundling in Metropolitan's rate structure provides transparency to show that charges recover only for functions involved in the applicable service, and that no cross-subsidy of costs exists. Metropolitan's COS process and resulting unbundled rate structure ensures that its wholesale customers pay for only those services they elect to receive.

Metropolitan's volumetric rates recover operating costs as well as the portion of the conveyance and distribution system capital costs that are associated with meeting average water demands using system-wide rates that are the same for all customers, or "postage stamp" rates, as explained previously. Under a postage stamp rate design approach, every customer pays the same average rate

[18]The Metropolitan Board adopted Strategic Plan Policy Principles on December 14, 1999, consisting of seven principles, presented on page 5.

for a service regardless of whether the cost caused by, or the benefit derived by, a customer for a given transaction varies from the average.

The Readiness-to-Serve (RTS) Charge recovers system capital costs for emergency storage capacity and ensures there is adequate capacity in the conveyance and distribution systems to reliably deliver supplies during emergencies, major facility outages, hydrologic variability, and variances in local resources. The Capacity Charge recovers distribution system capital costs necessary to meet peak member agency needs on Metropolitan's distribution system during the summer.

Member agencies have unique usage characteristics that are captured in the Metropolitan rates and charges relating to treatment, peak use on the Metropolitan system, the need for emergency and available capacity, or average use. For this reason, it is not necessary to group member agencies into traditional customer classes as would be done in a typical retail rate setting process. The end result of the Metropolitan process is the determination of the cost of each service available to a member agency and to the extent a member agency uses that service, an amount, a rate or charge, is paid by the member agency that is reflective of the cost of that service.

Distributed Costs to Services

Schedules 16 and 17 provide a cross-reference between the allocated function costs and their distribution to the rate design elements for FY 2018/19 and FY 2019/20, respectively. The specifics of each rate design element are discussed in detail in the following section.

Schedule 16: Allocated Service Function Revenue Requirements (Distributed to rate design element): FY 2018/19

Fiscal year ending 2019	Rate Design Elements							
Service Function by Allocation Category	Supply Rates	System Access Rate	Water Stewardship Rate	System Power Rate	Capacity Charge	Readiness-to-Serve Charge	Treatment Surcharge	Total Costs
Supply								
Fixed Demand	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Fixed Commodity	237,587,391	-	-	-	-	-	-	237,587,391
Fixed Standby	-	-	-	-	-	-	-	-
Variable Commodity	-	-	-	-	-	-	-	-
Hydroelectric	-	-	-	-	-	-	-	-
Subtotal: Supply	237,587,391	-	-	-	-	-	-	237,587,391
	-	-	-	-	-	-	-	-
Conveyance and Aqueduct	-	-	-	-	-	-	-	-
Fixed Demand	-	-	-	-	-	22,164,553	-	22,164,553
Fixed Commodity	-	363,691,130	-	-	-	-	-	363,691,130
Fixed Standby	-	-	-	-	-	31,100,116	-	31,100,116
Variable Commodity	-	-	-	204,891,543	-	-	-	204,891,543
Hydroelectric	-	-	-	-	-	-	-	-
Subtotal: Conveyance and Aqueduct	-	363,691,130	-	204,891,543	-	53,264,669	-	621,847,342
	-	-	-	-	-	-	-	-
Storage	-	-	-	-	-	-	-	-
Fixed Demand	-	-	-	-	5,326,038	-	-	5,326,038
Fixed Commodity	54,416,063	19,229,133	-	-	-	-	-	73,645,196
Fixed Standby	-	-	-	-	-	55,923,855	-	55,923,855
Variable Commodity	(508,720)	-	-	-	-	-	-	(508,720)
Hydroelectric	-	-	-	-	-	-	-	-
Subtotal: Storage	53,907,342	19,229,133	-	-	5,326,038	55,923,855	-	134,386,368
	-	-	-	-	-	-	-	-
Treatment	-	-	-	-	-	-	-	-
Fixed Demand	-	-	-	-	-	-	43,575,537	43,575,537
Fixed Commodity	-	-	-	-	-	-	152,557,605	152,557,605
Fixed Standby	-	-	-	-	-	-	38,376,833	38,376,833
Variable Commodity	-	-	-	-	-	-	26,870,455	26,870,455
Hydroelectric	-	-	-	-	-	-	-	-
Subtotal: Treatment	-	-	-	-	-	-	261,380,429	261,380,429
	-	-	-	-	-	-	-	-
Distribution	-	-	-	-	-	-	-	-
Fixed Demand	-	-	-	-	24,848,141	-	-	24,848,141
Fixed Commodity	-	145,437,945	-	-	-	-	-	145,437,945
Fixed Standby	-	-	-	-	-	20,771,377	-	20,771,377
Variable Commodity	-	-	-	-	-	-	-	-
Hydroelectric	-	(3,016,463)	-	-	-	-	-	(3,016,463)
Subtotal: Distribution	-	142,421,482	-	-	24,848,141	20,771,377	-	188,041,000
	-	-	-	-	-	-	-	-
Demand Management	-	-	-	-	-	-	-	-
Fixed Demand	-	-	-	-	-	-	-	-
Fixed Commodity	-	-	115,288,827	-	-	-	-	115,288,827
Fixed Standby	-	-	-	-	-	-	-	-
Variable Commodity	-	-	-	-	-	-	-	-
Hydroelectric	-	-	-	-	-	-	-	-
Subtotal: Demand Management	-	-	115,288,827	-	-	-	-	115,288,827
	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-	-
Fixed Demand	-	-	-	-	30,174,179	22,164,553	43,575,537	95,914,269
Fixed Commodity	292,003,453	528,358,208	115,288,827	-	-	-	152,557,605	1,088,208,092
Fixed Standby	-	-	-	-	-	107,795,349	38,376,833	146,172,181
Variable Commodity	(508,720)	-	-	204,891,543	-	-	26,870,455	231,253,278
Hydroelectric	-	(3,016,463)	-	-	-	-	-	(3,016,463)
Total	**$ 291,494,733**	**$ 525,341,745**	**$ 115,288,827**	**$ 204,891,543**	**$ 30,174,179**	**$ 129,959,902**	**$ 261,380,429**	**$ 1,558,531,358**

Totals may not foot due to rounding

Schedule 17: Allocated Service Function Revenue Requirements (Distributed to rate design element): FY 2019/20

Fiscal year ending 2020	Rate Design Elements							
Service Function by Allocation Category	Supply Rates	System Access Rate	Water Stewardship Rate	System Power Rate	Capacity Charge	Readiness-to-Serve Charge	Treatment Surcharge	Total Costs
Supply								
Fixed Demand	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Fixed Commodity	237,417,641	-	-	-	-	-	-	237,417,641
Fixed Standby	-	-	-	-	-	-	-	-
Variable Commodity	-	-	-	-	-	-	-	-
Hydroelectric	-	-	-	-	-	-	-	-
Subtotal: Supply	237,417,641	-	-	-	-	-	-	237,417,641
	-	-	-	-	-	-	-	-
Conveyance and Aqueduct	-	-	-	-	-	-	-	-
Fixed Demand	-	-	-	-	-	24,021,291	-	24,021,291
Fixed Commodity	-	394,368,660	-	-	-	-	-	394,368,660
Fixed Standby	-	-	-	-	-	26,816,952	-	26,816,952
Variable Commodity	-	-	-	223,735,683	-	-	-	223,735,683
Hydroelectric	-	-	-	-	-	-	-	-
Subtotal: Conveyance and Aqueduct	-	394,368,660	-	223,735,683	-	50,838,243	-	668,942,586
	-	-	-	-	-	-	-	-
Storage	-	-	-	-	-	-	-	-
Fixed Demand	-	-	-	-	4,903,955	-	-	4,903,955
Fixed Commodity	53,376,860	19,768,452	-	-	-	-	-	73,145,312
Fixed Standby	-	-	-	-	-	54,876,393	-	54,876,393
Variable Commodity	(510,220)	-	-	-	-	-	-	(510,220)
Hydroelectric	-	-	-	-	-	-	-	-
Subtotal: Storage	52,866,640	19,768,452	-	-	4,903,955	54,876,393	-	132,415,439
	-	-	-	-	-	-	-	-
Treatment	-	-	-	-	-	-	-	-
Fixed Demand	-	-	-	-	-	-	45,606,079	45,606,079
Fixed Commodity	-	-	-	-	-	-	160,915,147	160,915,147
Fixed Standby	-	-	-	-	-	-	33,586,087	33,586,087
Variable Commodity	-	-	-	-	-	-	27,064,053	27,064,053
Hydroelectric	-	-	-	-	-	-	-	-
Subtotal: Treatment	-	-	-	-	-	-	267,171,366	267,171,366
	-	-	-	-	-	-	-	-
Distribution	-	-	-	-	-	-	-	-
Fixed Demand	-	-	-	-	24,532,891	-	-	24,532,891
Fixed Commodity	-	156,131,536	-	-	-	-	-	156,131,536
Fixed Standby	-	-	-	-	-	22,236,456	-	22,236,456
Variable Commodity	-	-	-	-	-	-	-	-
Hydroelectric	-	(3,779,332)	-	-	-	-	-	(3,779,332)
Subtotal: Distribution	-	152,352,204	-	-	24,532,891	22,236,456	-	199,121,550
	-	-	-	-	-	-	-	-
Demand Management	-	-	-	-	-	-	-	-
Fixed Demand	-	-	-	-	-	-	-	-
Fixed Commodity	-	-	112,753,723	-	-	-	-	112,753,723
Fixed Standby	-	-	-	-	-	-	-	-
Variable Commodity	-	-	-	-	-	-	-	-
Hydroelectric	-	-	-	-	-	-	-	-
Subtotal: Demand Management	-	-	112,753,723	-	-	-	-	112,753,723
	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-	-
Fixed Demand	-	-	-	-	29,436,845	24,021,291	45,606,079	99,064,215
Fixed Commodity	290,794,501	570,268,648	112,753,723	-	-	-	160,915,147	1,134,732,020
Fixed Standby	-	-	-	-	-	103,929,801	33,586,087	137,515,887
Variable Commodity	(510,220)	-	-	223,735,683	-	-	27,064,053	250,289,516
Hydroelectric	-	(3,779,332)	-	-	-	-	-	(3,779,332)
Total	**$ 290,284,281**	**$ 566,489,316**	**$ 112,753,723**	**$ 223,735,683**	**$ 29,436,845**	**$ 127,951,091**	**$ 267,171,366**	**$ 1,617,822,306**

Totals may not foot due to rounding

Proof of Revenue

FY 2018/19

Schedule 18 shows the Proof of Revenue for FY 2018/19. Based on expected sales of 1.65 MAF, the expected revenues would be about $31.6 million higher than the total revenue requirement, if the rates and charges were in effect the entire test year period. The cost-of-service allocation assuming a full twelve months of revenue is used to allocate costs among the various rate elements, but should not be interpreted as over- or under-collection during a given fiscal year. However, because the recommended rates do not take effect until January 1, 2019, the expected revenues for FY 2018/19 will be about $7.2 million higher than the total revenue requirement in FY 2018/19. The total revenue requirement includes a $0.4 million decrease in the required reserves for the Revenue Remainder Fund. Deposits to the Treatment Surcharge Stabilization Fund are $6.6 million in FY 2018/19. Withdrawals from the Water Stewardship Fund are $13.6 million in FY 2018/19. Accounting for these adjustments, the deposit to reserves is about $13.8 million in FY 2018/19.

FY 2019/20

Schedule 19 shows the Proof of Revenue for FY 2019/20. Based on expected sales of 1.75 MAF the expected revenues would be about $102.9 million higher than the total revenue requirement, if the rates and charges were in effect the entire test year period. The cost-of-service allocation assuming a full twelve months of revenue is used to allocate costs among the various rate elements, but should not be interpreted as over- or under-collection during a given fiscal year. However, because the recommended rates do not take effect until January 1, 2020, the expected revenues for FY 2019/20 will be about $76.4 million higher than the total revenue requirement in FY 2019/20. The total revenue requirement includes a $12.6 million increase in the required reserves for the Revenue Remainder Fund. Deposits to the Treatment Surcharge Stabilization Fund are $16.5 million in FY 2019/20. Deposits to the Water Stewardship Fund are $4.8 million in FY 2019/20. Accounting for these adjustments, the deposit to reserves is about $67.8 million in FY 2019/20.

Schedule 20 summarizes the rates and charges that would be effective on January 1, 2019 and January 1, 2020 using the assumptions and methodology of this report. Member agency impacts will vary depending upon an agency's RTS allocation, capacity charge and relative proportions of treated and untreated Tier 1 and Tier 2 purchases.

Schedule 18: FY 2018/19 Proof of Revenue ($ millions)

Proof of Revenue FY2019 if Rates Effective for Full Test Year

Rate Elements	Revenue Requirements	% Over (Under) Collected		Revenues if Rates Effective July 1st	Billing Determinant	Unit Rate
	$M	$M	%	$M	MAF	$/AF
Supply	291.5	5.9	2%	297.4	1.42	209.0
System Access Rate	525.3	12.6	2%	537.9	1.65	326.0
Water Stewardship Rate	115.3	(1.4)	-1%	113.9	1.65	69.0
System Power Rate	204.9	4.7	2%	209.6	1.65	127.0
Treatment Surcharge	261.4	6.2	2%	267.5	0.84	319.0
Readiness-to-serve Charge	130.0	3.0	2%	133.0		
Capacity Charge	30.2	0.7	2%	30.9		
Total	**1,558.5**	**31.6**	**2%**	**1,590.1**		

Totals may not foot due to rounding

Proof of Revenue FY2019 if Rates Effective January 1st

Rate Elements	Revenue Requirements	% Over (Under) Collected		Revenues if Rates Effective Jan 1st
	$M	$M	%	$M
Supply	291.5	5.9	2%	297.4
System Access Rate	525.3	(10.8)	-2%	514.5
Water Stewardship Rate	115.3	(13.6)	-12%	101.7
System Power Rate	204.9	9.0	4%	213.9
Treatment Surcharge	261.4	6.6	3%	268.0
Readiness-to-serve Charge	130.0	6.5	5%	136.5
Capacity Charge	30.2	3.6	12%	33.8
Total	**1,558.5**	**7.2**	**0%**	**1,565.8**

Totals may not foot due to rounding

Schedule 19: FY 2019/20 Proof of Revenue ($ millions)

Proof of Revenue FY2020 if Rates Effective for Full Test Year

Rate Elements	Revenue Requirements	% Over (Under) Collected		Revenues if Rates Effective July 1st	Billing Determinant	Unit Rate
	$M	$M	%	$M	MAF	$/AF
Supply	290.3	20.0	7%	310.3	1.49	208.0
System Access Rate	566.5	39.0	7%	605.5	1.75	346.0
Water Stewardship Rate	112.8	1.0	1%	113.8	1.75	65.0
System Power Rate	223.7	14.3	6%	238.0	1.75	136.0
Treatment Surcharge	267.2	18.4	7%	285.5	0.88	323.0
Readiness-to-serve Charge	128.0	8.0	6%	136.0		
Capacity Charge	29.4	2.2	7%	31.6		
Total	**1,617.8**	**102.9**	**6%**	**1,720.7**		

Totals may not foot due to rounding

Proof of Revenue FY2020 if Rates Effective January 1st

Rate Elements	Revenue Requirements	% Over (Under) Collected		Revenues if Rates Effective Jan 1st
	$M	$M	%	$M
Supply	290.3	20.8	7%	311.1
System Access Rate	566.5	20.2	4%	586.7
Water Stewardship Rate	112.8	4.8	4%	117.5
System Power Rate	223.7	5.8	3%	229.5
Treatment Surcharge	267.2	16.5	6%	283.6
Readiness-to-serve Charge	128.0	6.5	5%	134.5
Capacity Charge	29.4	1.8	6%	31.3
Total	**1,617.8**	**76.4**	**5%**	**1,694.2**

Totals may not foot due to rounding

Schedule 20: Rates and Charges Summary

Effective January 1st	2018	2019	2020
Tier 1 Supply Rate ($/AF)	$209	$209	$208
Tier 2 Supply Rate ($/AF)	$295	$295	$295
System Access Rate ($/AF)	$299	$326	$346
Water Stewardship Rate ($/AF)	$55	$69	$65
System Power Rate ($/AF)	$132	$127	$136
Full Service Untreated Volumetric Cost ($/AF)			
Tier 1	$695	$731	$755
Tier 2	$781	$817	$842
Treatment Surcharge ($/AF)	$320	$319	$323
Full Service Treated Volumetric Cost ($/AF)			
Tier 1	$1,015	$1,050	$1,078
Tier 2	$1,101	$1,136	$1,165
Readiness-to-Serve Charge ($M)	$140	$133	$136
Capacity Charge ($/cfs)	$8,700	$8,600	$8,800

System Access Rate (SAR)

The SAR is a volumetric[19] system-wide rate charged on each acre-foot of water that is conveyed through Metropolitan's interconnected regional delivery network, including Metropolitan's right to use SWP facilities for conveyance of SWP and non-SWP water. All system users (member agency or third party) pay the SAR to use Metropolitan's interconnected regional delivery network. The SAR would increase to $326 per acre-foot in 2019 primarily due to increasing O&M costs and lower projected water transactions, and increase again to $346 per acre-foot in 2020, primarily due to increasing O&M costs that are slightly offset by higher projected water transactions. The SAR recovers the cost of providing conveyance and distribution capacity to meet average annual demands.

The SAR recovers, among other costs, the capital, operating, maintenance, and overhead costs associated with the interconnected regional delivery network necessary to deliver water to meet member agencies' average annual demands, which include the costs of conveyance facilities (facilities outside of Metropolitan's service area) and distribution facilities (facilities within Metropolitan's Distribution System).

Metropolitan's delivery network costs are treated the same whether they were incurred for the SWP or the CRA. The fact that, unlike the CRA, Metropolitan does not hold legal title to the SWP facilities and does not operate the SWP facilities is immaterial for purposes of cost functionalization for the COS and rate determination process.

[19] A volumetric rate is a charge applied to the actual amount of water delivered.

Metropolitan, like the other State Water Contractors, is obligated to pay all operating expenses and capital costs incurred by the SWP to provide the contractual supply and transportation services. The expenses include all unexpected expenses resulting from operational issues and changes in regulations. DWR charges Metropolitan based on estimated expenses and has the right to charge Metropolitan for any expenses beyond the estimates. The State Water Contractors carry all of the financial risk, and must pay any costs without any regard for Metropolitan's own cash flows. By allocating costs, DWR does not bear any of these risks; the risks fall to the State Water Contractors. Metropolitan was even responsible for paying for the SWP costs during the extended original construction period, years before Metropolitan received any SWP water. This is also not something typical of a supply contract and hence supportive of Metropolitan's cost functionalization process.

Metropolitan is also responsible for managing its SWP supply and transportation resources. Metropolitan determines what water to store and deliver in any year from its resource portfolio. On October 1 prior to the beginning of the Calendar Year, Metropolitan must provide its initial water order, plus any variations requested by DWR. The planning for this water order begins as early as the preceding July. A considerable amount of strategy goes in to determining which resource Metropolitan will dispatch when and deliver where to maximize resources. Examples of issues that Metropolitan must consider when managing SWP resources include:

- the level of the Table A allocation, and the amount of Table A supply available to Metropolitan, Desert Water Agency (DWA) and Coachella Valley Water District CVWD;
- shaping deliveries to the order to accommodate Article 21 (surplus water), turnback pool water (Table A allocation not needed by a Contractor) or Article 56 (b) water (water rescheduled due to system outages) if available;
- the amount of Carryover water in San Luis Reservoir, and the timing and location of need;
- the maximum input and withdrawal capacities of the Central Valley Storage programs, depending on whether Metropolitan is storing or withdrawing from these programs, and considering the level of water stored;
- the availability or need to refill Flexible Storage in Castaic and Perris Reservoirs;
- the availability of water transfer supplies; and,
- the supply conditions on the Colorado River.

Metropolitan, not DWR, is responsible for determining how, when or where to deliver any of the supply sources Metropolitan has that can be conveyed on the SWP. As a result of the execution of Monterey Amendments, the SWP can convey SWP water and non-SWP water, and can be used by non-State Water Contractors; it is, therefore, appropriate to consider the SWP as part of Metropolitan's interconnected regional delivery network. The volume of water delivered under arrangements, other than the contracts for delivery of water with the DWR, is also not determinative of the cost treatment; the ability to move *any* volume is what is relevant to the functionalization of Metropolitan's costs.

Like the SWP costs, Metropolitan fully pays the operating and capital costs of the CRA maintenance, operations and supply portfolio and the risks fall on Metropolitan.

Metropolitan uses the CRA for the conveyance of its multiple CRA resources. It is responsible for determining what water to store and deliver in any year from its resource portfolio. Prior to the beginning of the calendar year, Metropolitan must provide its Plan for the Creation of Extraordinary Conservation ICS to the Bureau of Reclamation in June and its best estimate of monthly diversion requirements in September. The amount of Extraordinary Conservation ICS which Metropolitan plans to create is deducted from the total supply available for diversion. In October or November, Reclamation staff conducts a consultation with Metropolitan prior to Reclamation's Regional Director making an annual determination of Metropolitan's

estimated water requirements for the ensuing calendar year to the end that deliveries of Colorado River water to Metropolitan will not exceed those reasonably required for beneficial use. Reclamation provides Metropolitan with a notice of the Regional Director's determination regarding Metropolitan's proposed diversion and beneficial use of Colorado River water for the calendar year. A considerable amount of strategy is employed to determine which resources Metropolitan will dispatch and deliver to maximize use of the resources. Examples of issues that Metropolitan must consider when managing CRA resources include:

- the magnitude of the SWP Table A allocation, and the amount of Table A supply available to Metropolitan, DWA and CVWD;
- the amount of SWP surplus, turnback pool, and carryover water;
- the amount of ICS water that can be accessed;
- the amount of water in the DWA/CVWD advance delivery account; and,
- the Colorado River supply conditions and the projection of the likelihood of Lake Mead shortage, normal, and surplus conditions in future years.

Metropolitan is responsible for determining how, when and where to deliver any of the supply sources Metropolitan has that can be transported by the CRA. Metropolitan also uses the CRA to convey non-Metropolitan water to non-member agencies: the temporary emergency wheeling of Mexican Treaty Waters of the Colorado River for Tijuana. Given that the CRA can deliver water as a result of the execution of agreements apart from Metropolitan's 1930 contract for delivery of water, 1931 supplementary contract for delivery of water, 1946 contract merging the rights of the City of San Diego and Metropolitan, and 1987 contract for delivery of surplus flows from the Colorado River with the Department of the Interior, and that it is capable of delivering water to other water agencies , it is appropriate to consider the CRA as part of Metropolitan's interconnected regional delivery network. The volume of water delivered under arrangements, other than the contracts for delivery of water with the Department of the Interior, is also not determinative of the cost treatment; the ability to move *any* volume is what is relevant to the functionalization of Metropolitan's costs.

Metropolitan's Conveyance and Aqueduct and Distribution System form a single integrated system for all imported water, which is available to Metropolitan for the conveyance of SWP and CRA water, as well as water supply obtained from supply programs and other water transfers. Metropolitan's rights and ownership of the facilities create regional system flexibility to maintain operating flexibility and delivery flexibility and meet Metropolitan's mission as a public steward of water resources. Metropolitan's member agencies and all residents of Metropolitan's service area benefit from the integration of the SWP and CRA as Metropolitan's Conveyance and Aqueduct facilities, as it allows Metropolitan to meet varying regional demands, accommodate outages, manage water quality goals, maintain emergency storage reserves, and minimize the risk of invasive species infestation.

The treatment of Metropolitan's Conveyance and Aqueduct facilities as one integrated system for purposes of rate-setting is not uncommon or novel. The Federal Energy Regulatory Commission (FERC), for example, recognizes the practice of rolling the costs of transmission facilities into a single rate when the facilities are part of an integrated system. The practice is recognized regardless of legal ownership of (or entitlements in) a particular facility.

Benefits

The SAR benefits include: (1) support of a regional approach; (2) accommodates a water transfer market that does not unfairly advantage one user over another; (3) provides a clear linkage between costs and benefits; and (4) establishes a simple approach to recovering the costs of conveyance and distribution functions.

The SAR supports a regional approach through the uniform, postage stamp rate. This region-wide funding mechanism helps ensure economies of scale and low costs for all of Metropolitan's member agencies.

The SAR is a cost-based rate. By providing a non-discriminatory rate to all parties that wish to use available system capacity to move water anywhere in the Metropolitan service area, the uniform SAR creates the opportunity for a fair and efficient water transfer market to develop. In keeping with the spirit of a regional provider approach, the SAR is uniform throughout the service area. Member agencies that receive full service water from Metropolitan will pay the exact same cost for access to the system as a customer that obtains supply from another supply source.

Metropolitan charges member agencies receiving full service water from Metropolitan the same costs for system access as it charges a party receiving wheeling service. Charging all users the same price for access to essential facilities is a basic principle of regulatory economics. The SAR provides a clear linkage between costs and benefits. The cost of service process clearly identifies the costs that are recovered by the SAR. The service function revenue requirements for conveyance and aqueduct and distribution are identified and then allocated into commodity (average use), demand (peak use), and standby (emergency and available capacity) related costs.

Only commodity-related costs are allocated to the SAR. The SAR is an easily understood approach. The SAR is a uniform, volumetric per acre-foot rate and is straightforward for both Metropolitan and the member agencies to implement and administer.

Water Stewardship Rate (WSR)

The WSR is a volumetric, system-wide rate charged on each acre-foot of water that moves through the Metropolitan system. The WSR will increase to $69 per acre-foot in 2019 primarily due to higher Demand Management Programs costs and lower projected water transactions. The WSR decreases to $65 per acre-foot in 2020, primarily due to slightly lower Demand Management costs and higher projected water transactions. The WSR recovers the costs of providing financial incentives for existing and future investments in local resources including conservation and recycled water. These incentive payments are identified as the Demand Management service function in the cost of service process. Demand management costs are allocated as 100 percent fixed commodity costs. All system users (member agency or third parties) will pay the same proportional costs for existing and future conservation and recycling investments.

Benefits

The WSR provides significant benefits including (1) support of a regional approach, and (2) providing a dedicated source of funding for the development of local resources.

Investments in conservation, recycling, and groundwater recovery reduce and defer system capacity expansion and maintenance costs; create available space in Metropolitan's networked conveyance system to be used to complete water transfers; decrease the region's overall dependence on imported water supplies from environmentally sensitive areas like the Bay-Delta; and increase the overall level of water supply reliability in Southern California. Because conservation measures and local resource investments reduce the overall level of dependence on the imported water system, more capacity is available in existing facilities for a longer period of time. The space in the system made available by conservation and recycling is open to all system users. The deferral and reduction of facility expansion costs made possible by investments in conservation, recycling and groundwater recovery benefit all users of conveyance and distribution capacity in the same proportion through a lower uniform System Access Rate. Similar to the public benefit charges implemented in the electric and natural gas industries in California after "open access" (customer choice of supplier) was implemented, the regional and statewide benefits of demand management are assessed to all users of the Metropolitan system, regardless of the source of the imported water supply.

The benefits of Demand Management Programs are recognized by section 130.5 of the MWD Act, enacted by SB 60 (Stats. 1999, ch. 414), which requires Metropolitan to "place increased emphasis on sustainable, environmentally sound, and cost-effective water conservation, recycling, and groundwater storage and replenishment measures." Because Metropolitan is mandated under SB 60 to fund Demand Management

Programs like conservation and recycling, it is appropriate to recover the costs of supporting these programs on all water moved through the system.

Demand Management Program costs are not supply costs. Supply costs reflect Metropolitan's costs of supplies, facilities and programs that develop supplies that Metropolitan is then able to move through its conveyance and Distribution System and sell to its member agencies to generate revenue. Examples include the Delta Water Charge on the SWP (both Capital and Operations and Maintenance costs), Metropolitan's Central Valley Storage Programs, water transfers, and projects and programs to create Intentionally Created Surplus on the Colorado River. Demand Management Programs do not produce supplies that Metropolitan is able to move through its conveyance and Distribution System and sell to generate revenue. In fact, Metropolitan's Demand Management Programs result in a reduction in demand for imported water supplies. It is this reduced demand that defers or avoids capital costs to build, expand, or maintain conveyance and distribution facilities. Notably, although Metropolitan has been able to defer the need to build additional conveyance and distribution facilities as a result of Demand Management Programs, it has not reduced the water *supply* Metropolitan receives from either the SWP or the CRA. Metropolitan continues to take delivery of the full amounts of imported water supplies available, and in years when supplies exceed demands Metropolitan maintains storage programs to retain its full available entitlements for future dry years.

Without investments in Demand Management Programs such as conservation and recycling, Metropolitan would have to build and maintain additional system capacity and charge a higher System Access Rate to recover the cost of this additional capacity. If Metropolitan did not levy the Water Stewardship Rate on all system users, Metropolitan would be sending a signal that encourages local agencies to seek out third party water transfers to avoid the cost of investments in conservation and local resources. Such a signal would have the perverse result of encouraging greater dependence on imported water supplies, which is the very outcome that legislative mandates have sought to avoid. In addition, greater dependence on imported water supplies could move forward the need to expand system capacity, thereby increasing costs to all member agencies purchasing imported water.

Because of the regional benefits conferred on all system users by investments in conservation and local resources, all users of Metropolitan's conveyance and distribution system pay the Water Stewardship Rate. The reliability benefits provided by regional investments in conservation and local resources are shared by all member agencies. The benefits of a reliable supply produced by the local resource investment are shared among all the member agencies by reducing member agency demands for imported water which can then be stored for use during other years when supplies may be low, demands are high, or emergencies or events impinge on operations.

System Power Rate (SPR)

The SPR is a volumetric, system-wide rate charged on each acre-foot of Metropolitan supplies moving through the Metropolitan system. SPR would decrease to $127 per acre-foot in 2019, primarily due to lower CRA power costs as the result of lower diversions. The SPR would then increase to $136 per acre-foot in 2020, due to higher State Water Contract power costs and higher CRA supplemental power purchases. The SPR is a volumetric rate that recovers the costs of pumping water to Southern California. The SPR recovers the cost of power for both the SWP and CRA.

Wheeling parties pay for actual cost (not system average) of power needed to move the water. Member agencies engaging in wheeling transaction of up to one year pay the wheeling rate. Other wheeling transactions are pursuant to individual contracts. For example, water wheeled through the California Aqueduct would pay the variable power cost associated with using the SWP transportation facilities.

Benefits

The primary benefit of the SPR is that it clearly identifies Metropolitan's average cost of power.

Treatment Surcharge

The Treatment Surcharge is a system-wide volumetric rate charged on water treated by Metropolitan. The Treatment Surcharge recovers the cost of providing treated water service, including commodity, demand and standby-related costs as determined in the COS for all five treatment plants. The Treatment Surcharge would decrease to $319 per acre-foot in 2019, due to lower capital costs partially offset by higher O&M costs for treatment. The Treatment Surcharge would then increase to $323 per acre-foot in FY 2020, due to higher O&M costs.

Benefits

There are several primary benefits provided by the treatment surcharge. First, only treated water users pay for the costs of treatment. Second, by averaging the costs of providing treated water service over the entire system the regional economies of scale are preserved.

Capacity Charge

The Capacity Charge would decrease to $8,600 per cubic-foot-second of capacity during calendar year 2019, as less capital costs are allocated to meet peak day system use, reflecting recent member agency usage of the distribution system to meet summer season demands. The Capacity Charge would increase to $8,800 per cubic-foot-second of capacity during calendar year 2020, reflecting the increases to rates and charges to continue to make progress towards meeting all coverage targets. The Capacity Charge is charged on the peak (maximum) summer day demand, measured in cfs, placed on the distribution system between May 1 and September 30 for a three-calendar year period, calculated for each member agency. The calculation is non-coincident, meaning the peak day will differ for each member agency. The sum of the member agency non-coincident peak day demands is a proxy for peak week demands, which are the design criteria for the Metropolitan Distribution system. The three-year period ending December 31, 2017 is used to charge the Capacity Charge effective January 1, 2019 through December 31, 2019. Demands measured for the purposes of billing the Capacity Charge include all firm demands including wheeling service and exchange.

The Capacity Charge is intended to pay for the cost of providing peak day capacity on Metropolitan's Distribution System, while providing an incentive for local agencies to decrease their use of the Metropolitan system to meet peak day demands and to shift demands into lower use time periods particularly October through April. Over time, a member agency will benefit from local supply investments and operational strategies that reduce its peak day demand on the system in the form of a lower total Capacity Charge. The estimated Capacity Charge to be paid by each member agency in calendar year 2019 is included in Schedule 21.

Benefits

The Capacity Charge provides several benefits including: (1) increasing the overall efficiency of water use; (2) improving the fair allocation of costs among member agencies based upon the demand imposed by each agency; and (3) providing a source of fixed revenue.

The Capacity Charge will improve the overall efficiency of water use by encouraging local agencies to invest in cost effective local storage and resources to avoid using the Metropolitan system to meet peak (maximum) day demands. In addition, significant regional savings can be realized through the deferral of expensive capacity expansion.

Schedule 21: Capacity Charge (by member agency)

Calendar Year 2019 Capacity Charge					
	Peak Day Demand (cfs) (May 1 through September 30)				Rate ($/cfs): $8,600
	Calendar Year				
AGENCY	2015	2016	2017	3-Year Peak	Calendar Year 2019 Capacity Charge
Anaheim	33.7	29.7	34.0	34.0	$292,400
Beverly Hills	25.5	26.2	25.7	26.2	$225,320
Burbank	10.0	12.1	14.0	14.0	$120,400
Calleguas	175.5	176.2	186.5	186.5	$1,603,900
Central Basin	51.4	43.0	36.7	51.4	$442,040
Compton	0.1	0.3	0.1	0.3	$2,580
Eastern	178.5	204.8	219.0	219.0	$1,883,400
Foothill	14.9	17.1	18.6	18.6	$159,960
Fullerton	15.3	14.3	17.3	17.3	$148,780
Glendale	33.2	38.8	41.4	41.4	$356,040
Inland Empire	94.8	118.3	140.5	140.5	$1,208,300
Las Virgenes	42.8	45.3	44.6	45.3	$389,580
Long Beach	61.3	61.5	55.2	61.5	$528,900
Los Angeles	600.9	530.3	250.4	600.9	$5,167,740
MWDOC	293.0	406.0	466.1	466.1	$4,008,460
Pasadena	36.9	38.0	39.9	39.9	$343,140
San Diego CWA	960.7	911.3	767.0	960.7	$8,262,020
San Fernando	-	-	-	0.0	$0
San Marino	4.7	6.8	7.5	7.5	$64,500
Santa Ana	15.6	14.7	22.5	22.5	$193,500
Santa Monica	11.7	10.8	16.6	16.6	$142,760
Three Valleys	108.1	113.5	126.4	126.4	$1,087,040
Torrance	28.2	39.1	34.0	39.1	$336,260
Upper San Gabriel	79.1	11.9	12.1	79.1	$680,260
West Basin	178.5	197.9	201.7	201.7	$1,734,620
Western MWD	129.0	175.4	174.4	175.4	$1,508,440
Total	**3,183.4**	**3,243.3**	**2,952.2**	**3,591.9**	**$30,890,340**

Totals may not foot due to rounding

The Capacity Charge also improves the equitable distribution of costs among the member agencies. Agencies that have relatively high peak demand to average demand ratios will bear a greater share of the costs of providing peak (maximum) day distribution capacity. The Capacity Charge also increases the portion of Metropolitan's fixed costs that are recovered by fixed charges.

Readiness-to-Serve Charge

The RTS recovers the costs providing emergency storage capacity and available capacity to meet outages and hydrologic variability. The RTS will decrease by $7 million to $133 million in calendar year 2019, mainly due to lower SWP transportation capital costs and lower capital financing costs associated with transportation. The RTS increases to $136 million in calendar year 2020, reflecting increases to rates and charges to continue to make progress towards meeting all coverage targets.

The RTS is allocated to the member agencies based on each agency's proportional share of a ten-year rolling average of all firm demands, including water transfers and exchanges that use Metropolitan system capacity. A ten-year rolling average leads to a relatively stable RTS allocation that reasonably represents an agency's potential long-term need for available capacity under different hydrologic conditions. Member agencies that so choose may have a portion of their total RTS obligation offset by Standby Charge collections collected by

Metropolitan on behalf of the member agency. The estimated RTS for each member agency for calendar year 2019 is shown in Schedule 22.

Benefits

The RTS provides two major benefits. These include: (1) a better matching of costs and benefits; and (2) a SAR that recovers only those costs associated with providing average annual service.

The proposed RTS matches costs and benefits in two ways. First, the RTS will recover the amount of emergency storage and available capacity costs needed to maintain reliable deliveries during outages and service interruptions and during periods of hydrologic variability, as identified in the COS, that is not paid for by ad valorem property tax revenues. Second, the proposed RTS allocates the emergency storage and available capacity costs among the member agencies in a manner that better represents each agency's potential need for standby service. The RTS uses a ten-year rolling average of demands. A long-term rolling average like the ten-year measure is a simple and reasonable representation of an agency's potential need for available capacity under a range of hydrologic conditions.

Schedule 22: Readiness-to-Serve Charge (by member agency)

Member Agency	Rolling Ten-Year Average Firm Deliveries (Acre-Feet) FY2007/08 - FY2016/17	RTS Share	12 months @ $133 million per year (1/19-12/19)
Anaheim	18,524	1.14%	$ 1,517,364
Beverly Hills	10,823	0.67%	886,591
Burbank	12,641	0.78%	1,035,446
Calleguas MWD	103,173	6.35%	8,451,327
Central Basin MWD	48,485	2.99%	3,971,598
Compton	1,275	0.08%	104,408
Eastern MWD	95,591	5.89%	7,830,286
Foothill MWD	9,104	0.56%	745,756
Fullerton	8,712	0.54%	713,605
Glendale	17,789	1.10%	1,457,206
Inland Empire Utilities Agency	58,419	3.60%	4,785,368
Las Virgenes MWD	21,651	1.33%	1,773,510
Long Beach	32,109	1.98%	2,630,153
Los Angeles	322,688	19.87%	26,432,728
Municipal Water District of Orange County	210,183	12.95%	17,216,968
Pasadena	19,876	1.22%	1,628,088
San Diego County Water Authority	319,173	19.66%	26,144,832
San Fernando	36	0.00%	2,924
San Marino	816	0.05%	66,834
Santa Ana	11,211	0.69%	918,317
Santa Monica	7,254	0.45%	594,182
Three Valleys MWD	63,730	3.93%	5,220,374
Torrance	16,891	1.04%	1,383,623
Upper San Gabriel Valley MWD	24,161	1.49%	1,979,140
West Basin MWD	118,122	7.28%	9,675,856
Western MWD	71,215	4.39%	5,833,518
MWD Total	1,623,648	100.00%	$ 133,000,000

Totals may not foot due to rounding

Purchase Order

Purchase Orders were developed to establish a financial commitment from the member agency to Metropolitan in exchange for the ability to purchase more water at the lower Tier 1 Supply Rate. In November 2014, the Metropolitan Board approved new Purchase Orders effective January 1, 2015 through December 31, 2024. Twenty-one of the twenty-six member agencies have Purchase Orders, which commit the member agencies to purchase a minimum amount of supply from Metropolitan (the Purchase Order Commitment) over a ten-year period.

There is no annual minimum or maximum purchase commitment required by the Purchase Order. A member agency has the full ten-year term to fulfill the Purchase Order Commitment. In exchange for this commitment, the member agency can purchase an amount of firm water supply equal to 90 percent of its cumulative Base Period Demand over the full ten years at the lower Tier 1 Supply Rate. An agency that determined that a Purchase Order is not in its best interest may purchase up to 60 percent of its Revised Base Firm Demand annually at the lower Tier 1 Supply Rate. The terms and conditions of the Purchase Order are uniform for all member agencies.

The Base Period Demand was established for each member agency. Member agencies chose a base amount of (1) the member agency's Revised Base Firm Demand which is the highest fiscal year purchases during the 13-year period of fiscal year 1990 through fiscal year 2002, or (2) the highest year purchases in the most recent 12-year period of fiscal year 2003 through fiscal year 2014.

At the end of the Purchase Order Term, if the member agency has not purchased enough firm supply to meet its Purchase Order Commitment, it will be billed for the remaining balance of the Purchase Order Commitment at the average of the Tier 1 Supply Rate in effect during the Term. This payment may be prorated with interest evenly over the next 12 invoices.

If a member agency fulfills its Purchase Order Commitment prior to the end of the Purchase Order Term, (e.g. purchased ten times 60 percent of the Initial Base Period Demand) then the member agency has met its obligation under the Purchase Order. The member agency may continue to purchase up to 90 percent of its cumulative Base Period Demand over the Term at the Tier 1 Supply Rate for the duration of the Purchase Order Term.

Although the maximum amount of water that can be purchased at the Tier 1 Supply Rate may increase over time if the agency's Base Period Demand increases, the Purchase Order Commitment is fixed for the entire Purchase Order Term and does not increase.

Tier 1 Supply Rate

The Tier 1 Supply Rate is a volumetric rate charged on Metropolitan water transactions that are within a member agency's Tier 1 maximum. The Tier 1 Supply Rate would remain unchanged at $209 per acre-foot in 2019. The Tier 1 Supply Rate would decrease to $208 per acre-foot in 2020, due to decreasing Supply Program costs. The Tier 1 Supply Rate supports a regional approach through the uniform, postage stamp rate. The Tier 1 Supply Rate is calculated as the amount of the total supply revenue requirement that is not recovered by the Tier 2 Supply Rate divided by the estimated amount of Tier 1 water transactions.

Tier 2 Supply Rate

The Tier 2 Supply Rate is a volumetric rate that reflects Metropolitan's cost of purchasing water transfers north of the Delta. The Tier 2 Supply Rate is charged on Metropolitan water transactions that exceed a member agency's Tier 1 maximum. The Tier 2 Supply Rate encourages the member agencies and their customers to maintain existing local supplies and develop cost-effective local supply resources and conservation. The Tier 2 Supply Rate would remain unchanged at $295 per acre-foot in 2019 and 2020. At an expected average sales level of 1.65 MAF in FY 2018/19 and 1.75 MAF in FY 2019/20, it is estimated that no supply will be sold at the Tier 2 Supply Rate in either fiscal year.

Benefits

The use of the Tier 2 Supply Rate provides several benefits including, efficient resource management and clear price signals to accommodate a water transfer market. By pricing supplies that exceed 90 percent of a member agency's Base demand at a price reflecting Metropolitan's supply cost, a price incentive exists to encourage efficient regional resource management. Member agencies will be encouraged to invest in cost-effective conservation measures and local resources like water recycling. Metropolitan has historically set its water rates with the primary objective of recovering cost. The Tier 2 Supply Rate is a pricing tool designed specifically for the purpose of creating a greater incentive for member agencies to make economic resource management decisions.

The Tier 2 Supply Rate will reflect Metropolitan's cost of acquiring transfers from north of the Delta. In so doing, Metropolitan will be competing in the water transfer market along with other providers of imported water supplies. If other providers of imported supply can develop additional supply at a lower cost than Metropolitan's Tier 2 Supply Rate, the water transfer market will expand to meet the region's increasing demands. All users of the Metropolitan system will pay the same for access to conveyance and distribution capacity through the SAR and for the benefits of the regional Demand Management Programs through the WSR.

Transactions

Staff estimates of water transactions used for developing the rate recommendation were based on current member agency demands and information and an expectation that demands will trend to levels expected under normal weather conditions. Table 23 summarizes projected water transactions by service type for FY 2018/19 and FY 2019/20.

Schedule 23: FY Transactions, by Type

Fiscal Year Ending	2019	2020
Transactions and Exchange by Treatment Type		
Treated Firm Transactions	839	884
Untreated Firm Transactions	584	608
Untreated Exchange	227	258
Total Transactions and Exchange	**1,650**	**1,750**
Firm Transactions by Type		
Tier 1	1,423	1,492
Tier 2	-	-
Total Firm Transactions	**1,423**	**1,492**

APPENDIX: COS TABLES

Revenue Requirements
Fiscal Year Ending 2019

			1 Labor And Labor Additive	2 Outside Services	3 Utilities	4 Chemicals	5 Other O&M	6 O&M Capitalization (pro-rated)	Projected Total To Be functionalized
Departmental O&M									
Group	*Item*								
Office of General Manager			4,344,448	345,000	-	-	312,220	(219,344)	4,782,324
Office of General Manager	Board of Directors		1,079,067	55,000	-	-	514,900	(72,314)	1,576,653
Office of General Manager	Bay Delta Initiatives		4,869,969	4,943,638	-	-	1,618,882	(501,363)	10,931,125
External Affairs	Legislative Services		3,515,616	1,733,300	6,500	-	863,173	(268,326)	5,850,263
External Affairs	Media Communications Services		4,197,435	1,373,266	-	-	1,000,380	(288,170)	6,282,911
External Affairs	Manager, External Affairs/Special Projects		5,923,489	715,200	-	-	2,256,014	(390,071)	8,504,632
External Affairs	Conservation & Community Services		3,119,587	1,524,000	-	-	1,376,627	(264,012)	5,756,202
Human Resources			9,445,147	1,335,620	-	-	1,561,651	(541,268)	11,801,151
Water Systems Operations	Office of the Manager		2,649,139	200,000	1,500,000	-	310,715	(204,354)	4,455,500
Water Systems Operations	Office of the Manager, Conveyance & Distribution Section		631,796	-	-	-	76,100	(31,044)	676,852
Water Systems Operations	Office of the Manager, Treatment Section		798,892	150,000	-	-	227,125	(51,573)	1,124,444
Water Systems Operations	Office of the Manager, Operations Support Services		1,882,253	277,800	10,000	-	59,640	(97,782)	2,131,911
Water Systems Operations	Operations Support Services		5,967,680	119,500	44,800	-	737,840	(301,271)	6,568,549
Water Systems Operations	Desert Region / C&D CRA		21,577,969	490,100	161,100	-	5,004,370	(1,194,307)	26,039,232
Water Systems Operations	System Operations Unit		6,848,697	96,700	64,280	-	1,398,575	(368,738)	8,039,514
Water Systems Operations	Power Operations and Planning		2,953,963	65,000	-	-	324,585	(146,629)	3,196,919
Water Systems Operations	Operations Planning & Programs Unit		2,628,917	-	-	-	136,900	(121,293)	2,644,524
Water Systems Operations	Treatment Jensen		9,482,407	384,200	1,780,935	3,180,000	813,600	(685,931)	14,955,211
Water Systems Operations	Treatment Diemer		10,025,133	369,100	2,090,000	5,965,000	775,300	(843,078)	18,381,455
Water Systems Operations	Treatment Mills		8,367,009	188,050	690,975	1,894,000	802,120	(523,714)	11,418,440
Water Systems Operations	Treatment Skinner		8,947,543	137,470	1,442,116	3,004,000	960,773	(635,532)	13,856,370
Water Systems Operations	Treatment Weymouth		10,153,188	175,300	1,489,300	5,562,000	717,700	(793,652)	17,303,836
Water Systems Operations	Water Quality Section		17,911,261	1,301,505	345,750	-	3,385,880	(1,006,210)	21,938,186
Water Systems Operations	C&D, Eastern Unit		12,081,017	2,463,500	2,576,700	-	1,816,228	(830,488)	18,106,957
Water Systems Operations	C&D, Western Unit		10,765,067	1,557,300	939,310	-	2,131,850	(675,072)	14,718,455
Water Systems Operations	OSS, Manufacturing Services Unit		5,807,816	228,500	172,200	-	536,675	(295,805)	6,449,386
Water Systems Operations	Environmental Health & Safety Section		11,798,939	1,115,000	908,500	-	1,415,881	(668,265)	14,570,055
Water Systems Operations	OSS, Fleet Services Unit		6,348,553	533,540	52,500	-	3,658,559	(464,555)	10,128,597
Water Systems Operations	OSS, Power Support Unit		6,744,108	219,500	48,000	-	861,220	(345,257)	7,527,571
Water Systems Operations	Office of the Manager, Operations & Planning Section		342,096	-	-	-	11,826	(15,521)	338,401
Water Systems Operations	Security Team & Security Management		2,016,646	8,282,200	-	-	625,162	(479,064)	10,444,944
Office of the Chief Financial Officer		-	10,153,095	1,077,100	-	-	13,331,221	(1,077,123)	23,484,293
Business Technology	Office of Manager	-	-	-	-	-	-	-	-
Engineering Services		-	32,262,276	2,657,000	70,000	-	3,576,189	(1,691,260)	36,874,205
Business Technology	Administrative Services	-	14,907,613	5,994,989	1,387,626	-	3,329,900	(1,123,552)	24,496,576
Business Technology	Information Technology	-	26,958,768	2,809,463	-	-	8,240,860	(1,666,861)	36,342,230
Water Resources Management	Resource Planning & Development	-	3,723,372	310,000	-	-	211,200	(186,143)	4,058,429
Water Resources Management	Resource Implementation	-	9,075,642	1,605,000	-	-	5,994,350	(731,270)	15,943,722
Water Resources Management	Office of the Group Manager	-	2,877,025	30,000	-	-	119,650	(132,733)	2,893,942
Ethics Office		-	1,247,337	101,672	-	-	47,000	(61,221)	1,334,788
Real Property		-	6,916,694	2,448,500	23,500	-	7,349,686	(734,049)	16,004,331
General Counsel		-	10,766,965	3,045,000	-	-	399,000	(623,211)	13,587,754
General Auditor		-	3,100,307	450,000	-	-	70,500	(158,788)	3,462,019
Total Departmental O&M		-	**325,213,940**	**50,908,013**	**15,804,092**	**19,605,000**	**78,962,027**	**(21,510,213)**	**468,982,859**
GENERAL DISTRICT REQUIREMENTS									
State Water Project									
Supply - O&M									91,637,319
Supply - Capital									38,113,213
Power - O&M & Off-Aq Capital									163,459,789
Power - Capital (less Off-Aq)									(4,219,489)
Transmission - Capital - Commodity, Demand, & Standby									98,807,736
Transmission - O&M - Commodity only									175,328,875
CA WaterFix - Capital									3,574,035
Total State Water Project									**566,701,479**
Colorado River Aqueduct Power Costs									**45,836,144**
Supply Programs									**61,164,062**
Demand Management Programs									
Local Resources Program									44,099,873
Future Supply Actions									1,960,000
Conservation Credits Program									43,000,000
Total Demand Management Programs									**89,059,873**
Capital Financing Program									
Revenue Bond Debt Service net of BABs Interest Subsidy Payment									311,100,475
G.O. Bond Debt Service									14,358,651
Debt Administration & State Revolving Funds									6,493,215
Bond Defeasance									-
PAYGO									120,000,000
Total Capital Financing Program									**451,952,341**
Other Operating Costs									
Operating Equipment									8,522,076
OPEB\PERS Pre-Funding									-
Total Other Operating Costs									**8,522,076**
Increase/(Decrease) in Required Reserves									**31,600,000**
Total General District Requirements									**1,254,835,975**
REQUIREMENTS BEFORE OFFSETS:									**1,723,818,834**
Revenue Offsets									
Taxes - MWD Portion of SWP GO Debt Service									13,081,325
Taxes - MWD GO Debt Service									14,358,651
Interest on Investments									16,647,795
Hydro-Power Revenue									14,457,569
CRA Power Revenue									5,971,835
Wadsworth Pumping Plant (DVL) Power Revenue (cost in dept)									489,163
Misc. allocated to A&G (Lease, Late Fees, etc.)									2,000,000
Misc. allocated to supply (PVID Lease, CVWD Revenues)									9,075,650
Taxes - additional from fixed tax rate									89,205,488
Revenue Reserve used for Revenue Bonds - I&P									-
Annexation									-
Total Revenue Offsets									**165,287,476**
NET REVENUE REQUIREMENTS:									**1,558,531,358**

Functional Assignment Percentages
Fiscal Year Ending 2019

			Fn1	Fn2	Fn3	Fn4	Fn5	Fn6	Fn7	Fn8	Fn9	Fn10	Fn11	Fn12	Fn16	Fn17	Fn18	Fn19	Fn20	Fn21	Fn22	Fn23	Fn24		
			Source of Supply			Conveyance & Aqueduct					Storage				Treatment										
Letter Codes for Primary Functional Assignment Bases						CRA		SWP		Other	Storage Costs Other Than Power														
a	*Direct Assignment*		CRA	SWP	Other	CRA Power	CRA All Other	SWP Power	SWP All Other	Conv. & Aqueduct	Emergency	Drought	Regulatory	Power	Jensen	Weymouth	Diemer	Mills	Skinner	Distribution	Demand Management	Hydro-Electric	Administrative & General	Percentage Total	
b	*Work in Process/Net Book Value*																								
c	*Pro-Rating*																								
d	*Branch Manager Analysis*																								
e	*Prior-Year Results*																								
f	*Other*																								
Departmental O&M		**Functional Allocation Basis (4)**																							checks
Group	***Item***																								
Office of General Manager		c Pro-rata by all other departmental costs	2.1%	2.4%	2.6%	1.0%	8.8%	0.0%	4.0%	1.8%	1.6%	1.4%	0.6%	0.0%	5.0%	5.5%	5.9%	3.8%	5.0%	20.4%	2.5%	1.1%	24.4%	100.00%	-
Office of General Manager	Board of Directors	a 100% A&G																					100.0%	100.00%	-
Office of General Manager	Bay Delta Initiatives	a 100% C&A							100.0%															100.00%	-
External Affairs	Legislative Services	a 100% A&G																					100.0%	100.00%	-
External Affairs	Media Communications Services	a 100% A&G																					100.0%	100.00%	-
External Affairs	Manager, External Affairs/Special Projects	a 100% A&G																					100.0%	100.00%	-
External Affairs	Conservation & Community Services	d Branch Manager Analysis																			50.0%		50.0%	100.00%	-
Human Resources		c Pro-rata by all other departmental costs	2.1%	2.4%	2.6%	1.0%	8.8%	0.0%	4.0%	1.8%	1.6%	1.4%	0.6%	0.0%	5.0%	5.5%	5.9%	3.8%	5.0%	20.4%	2.5%	1.1%	24.4%	100.00%	-
Water Systems Operations	Office of the Manager	c Pro-rata by all other WSO dir. Labor	2.1%	2.1%	2.1%	1.9%	16.7%	0.0%	1.0%	0.2%	0.4%	0.4%	0.3%	0.0%	7.5%	7.9%	7.8%	6.8%	7.2%	32.8%	0.0%	2.1%	0.6%	100.00%	-
Water Systems Operations	Office of the Manager, Conveyance & Distribution	c Pro-rata by all other C&D dir. Labor	0.0%	0.0%	0.0%	0.0%	50.7%	0.0%	3.4%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	43.4%	0.0%	2.4%	0.1%	100.00%	-
Water Systems Operations	Office of the Manager, Treatment Section	c Pro-rata by direct field treatment costs	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	17.1%	19.8%	21.0%	13.0%	15.8%	13.3%	0.0%	0.0%	0.0%	100.00%	-
Water Systems Operations	Office of the Manager, Operations Support Servic	c Pro-rata by all other WSO dir. Labor	2.1%	2.1%	2.1%	1.9%	16.7%	0.0%	1.0%	0.2%	0.4%	0.4%	0.3%	0.0%	7.5%	7.9%	7.8%	6.8%	7.2%	32.8%	0.0%	2.1%	0.6%	100.00%	-
Water Systems Operations	Operations Support Services	e By Actual Appropriation Cost					8.7%								1.5%	1.5%	1.5%	1.5%	1.5%	81.3%		2.0%	0.5%	100.00%	-
Water Systems Operations	Desert Region / C&D CRA	a 100% C&A					100.0%																	100.00%	-
Water Systems Operations	System Operations Unit	a 100% Distribution																		100.0%				100.00%	-
Water Systems Operations	Power Operations and Planning	e By Actual Appropriation Cost				98.8%																1.2%		100.00%	-
Water Systems Operations	Operations Planning & Programs Unit	a 100% supply	33.3%	33.3%	33.3%																			100.00%	-
Water Systems Operations	Treatment Jensen	d Branch Manager Analysis													86.7%					13.3%				100.00%	-
Water Systems Operations	Treatment Diemer	d Branch Manager Analysis															86.7%			13.3%				100.00%	-
Water Systems Operations	Treatment Mills	d Branch Manager Analysis																86.7%		13.3%				100.00%	-
Water Systems Operations	Treatment Skinner	d Branch Manager Analysis																	86.7%	13.3%				100.00%	-
Water Systems Operations	Treatment Weymouth	d Branch Manager Analysis														86.7%				13.3%				100.00%	-
Water Systems Operations	Water Quality Section	d Branch Manager Analysis	14.0%	14.0%	14.0%						2.8%	2.8%	2.8%		10.0%	10.0%	10.0%	10.0%	10.0%					100.00%	-
Water Systems Operations	C&D, Eastern Unit	e By Actual Appropriation Cost					7.8%		8.6%											79.6%		3.9%	0.1%	100.00%	-
Water Systems Operations	C&D, Western Unit	e By Actual Appropriation Cost					0.2%		4.3%											89.9%		5.4%	0.2%	100.00%	-
Water Systems Operations	OSS, Manufacturing Services Unit	e By Actual Appropriation Cost					6.1%								2.0%	2.0%	2.0%	2.0%	2.0%	81.9%		2.0%	0.2%	100.00%	-
Water Systems Operations	Environmental Health & Safety Section	e By Actual Appropriation Cost					20.1%								10.2%	10.2%	10.2%	10.2%	10.2%	28.1%		0.8%	0.1%	100.00%	-
Water Systems Operations	OSS, Fleet Services Unit	d Branch Manager Analysis					12.8%								4.6%	4.6%	4.6%	4.6%	4.6%	53.3%		0.0%	11.1%	100.00%	-
Water Systems Operations	OSS, Power Support Unit	e By Actual Appropriation Cost				2.3%									2.8%	2.8%	2.8%	2.8%	2.8%	55.1%		28.2%	0.2%	100.00%	-
Water Systems Operations	Office of the Manager, Operations & Planning Sec	c Pro-rata by all other WSO dir. Labor	2.1%	2.1%	2.1%	1.9%	16.7%	0.0%	1.0%	0.2%	0.4%	0.4%	0.3%	0.0%	7.5%	7.9%	7.8%	6.8%	7.2%	32.8%	0.0%	2.1%	0.6%	100.00%	-
Water Systems Operations	Security Team & Security Management	b NBV	0.0%	0.0%	4.0%	1.5%	3.6%	0.0%	1.5%	15.5%	11.3%	9.4%	3.6%	0.0%	5.5%	5.6%	6.7%	1.9%	7.4%	16.9%	0.0%	0.9%	4.7%	100.00%	-
Office of the Chief Financial Offic		a 100% A&G																					100.0%	100.00%	-
Business Technology	Office of Manager	a 100% A&G																					100.0%	100.00%	-
Engineering Services		b NBV/WIP	0.0%	0.0%	4.0%	1.5%	3.6%	0.0%	1.5%	15.5%	11.3%	9.4%	3.6%	0.0%	5.5%	5.6%	6.7%	1.9%	7.4%	16.9%	0.0%	0.9%	4.7%	100.00%	-
Business Technology	Administrative Services	a 100% A&G																					100.0%	100.00%	-
Business Technology	Information Technology	c Pro-rata by all other departmental costs	2.1%	2.4%	2.6%	1.0%	8.8%	0.0%	4.0%	1.8%	1.6%	1.4%	0.6%	0.0%	5.0%	5.5%	5.9%	3.8%	5.0%	20.4%	2.5%	1.1%	24.4%	100.00%	-
Water Resources Management	Resource Planning & Development	e By Actual Appropriation Cost			66.5%										0.0%	0.0%	0.0%	0.0%	0.0%	33.0%			0.4%	100.00%	-
Water Resources Management	Resource Implementation	e By Actual Appropriation Cost	22.2%	26.7%	8.7%															0.0%	42.3%		0.1%	100.00%	-
Water Resources Management	Office of the Group Manager	c Prorated by other WRM costs	17.7%	21.3%	20.4%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	6.7%	33.7%	0.0%	0.2%	100.00%	-
Ethics Office		a 100% A&G																					100.0%	100.00%	-
Real Property		d Branch Manager Analysis	3.3%	5.7%	0.0%	0.0%	5.2%	0.0%	18.2%	0.0%	4.6%	4.1%	0.5%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	16.6%	0.0%	0.0%	41.8%	100.00%	-
General Counsel		a 100% A&G																					100.0%	100.00%	-
General Auditor		a 100% A&G																					100.0%	100.00%	-
Total Departmental O&M																									-
GENERAL DISTRICT REQUIREMENTS																									-
State Water Project																									-
Supply - O&M		a Supply: SWP		100.0%																				100.00%	-
Supply - Capital		a Supply: SWP		100.0%																				100.00%	-
Power - O&M & Off-Aq Capital		a C&A: SWP - Power						100.0%																100.00%	-
Power - Capital (less Off-Aq)		a C&A: SWP - Power						100.0%																100.00%	-
Transmission - Capital - Commodity, Demand, & Standby		a C&A: SWP - All Other							100.0%															100.00%	-
Transmission - O&M - Commodity only		a C&A: SWP - All Other							100.0%															100.00%	-
CA WaterFix - Capital		a C&A: SWP - All Other							100.0%															100.00%	-
Total State Water Project																									-
Colorado River Aqueduct Power Costs		a 100% CRA				100.0%																		100.00%	-
Supply Programs		f Forecasted Costs	53.4%	44.0%	2.6%																			100.00%	-
Demand Management Programs																									-
Local Resources Program		a 100% Demand management																			100.0%			100.00%	-
Future Supply Actions		a 100% Demand management																			100.0%			100.00%	-
Conservation Credits Program		a 100% Demand management																			100.0%			100.00%	-
Total Demand Management Programs																									-
Capital Financing Program																									-
Revenue Bond Debt Service net of BABs Interest Subsidy Payment		b NBV	0.0%	0.0%	4.0%	1.5%	3.6%	0.0%	1.5%	15.5%	11.3%	9.4%	3.6%	0.0%	5.5%	5.6%	6.7%	1.9%	7.4%	16.9%	0.0%	0.9%	4.7%	100.00%	-
G.O. Bond Debt Service		b Treatment by NBV and Remainder to Dist													5.5%	5.6%	6.7%	1.9%	7.4%	73.0%				100.00%	-
Debt Administration & State Revolving Funds		b NBV	0.0%	0.0%	4.0%	1.5%	3.6%	0.0%	1.5%	15.5%	11.3%	9.4%	3.6%	0.0%	5.5%	5.6%	6.7%	1.9%	7.4%	16.9%	0.0%	0.9%	4.7%	100.00%	-
Bond Defeasance		b NBV	0.0%	0.0%	4.0%	1.5%	3.6%	0.0%	1.5%	15.5%	11.3%	9.4%	3.6%	0.0%	5.5%	5.6%	6.7%	1.9%	7.4%	16.9%	0.0%	0.9%	4.7%	100.00%	-
PAYGO		b NBV	0.0%	0.0%	4.0%	1.5%	3.6%	0.0%	1.5%	15.5%	11.3%	9.4%	3.6%	0.0%	5.5%	5.6%	6.7%	1.9%	7.4%	16.9%	0.0%	0.9%	4.7%	100.00%	-
Total Capital Financing Program																									-
Other Operating Costs																									-
Operating Equipment		c Pro rata labor	2.2%	2.4%	3.0%	1.3%	10.1%	0.0%	3.0%	1.9%	1.6%	1.4%	0.6%	0.0%	5.0%	5.3%	5.4%	4.2%	5.1%	21.9%	2.3%	1.3%	22.1%	100.00%	-
OPEB\PERS Pre-Funding		c Pro rata labor	2.2%	2.4%	3.0%	1.3%	10.1%	0.0%	3.0%	1.9%	1.6%	1.4%	0.6%	0.0%	5.0%	5.3%	5.4%	4.2%	5.1%	21.9%	2.3%	1.3%	22.1%	100.00%	-
Total Other Operating Costs																									-
Increase/(Decrease) in Required Reserves		a A&G																					100.0%	100.00%	-
Total General District Requirements																									-
REQUIREMENTS BEFORE OFFSETS:																									-
Revenue Offsets		**Functionalization Basis**																							-
Taxes - MWD Portion of SWP GO Debt Service		a See footnote #2 below.							100.0%															100.00%	-
Taxes - MWD GO Debt Service		a See footnote #2 below.													5.5%	5.6%	6.7%	1.9%	7.4%	73.0%				100.00%	-
Interest on Investments		c Proportionate to Rev Req	2.5%	9.7%	1.8%	3.3%	3.4%	9.2%	17.6%	4.4%	3.3%	2.8%	1.1%	0.0%	2.8%	3.0%	3.4%	1.5%	3.3%	10.6%	5.9%	0.5%	9.8%	100.00%	-
Hydro-Power Revenue		a 100% Hydro																				100.0%		100.00%	-
CRA Power Revenue		a 100% CRA				100.0%																		100.00%	-
Wadsworth Pumping Plant (DVL) Power Revenue (cost in dept)		a 100% Storage: Pumping												100.0%										100.00%	-
Misc. allocated to A&G (Lease, Late Fees, etc.)		a A&G																					100.0%	100.00%	-
Misc. allocated to supply (PVID Lease, CVWD Revenues)		a 100% SWP Supply		100.0%																				100.00%	-
Taxes - additional from fixed tax rate		a Proportionate to SWP Capital costs (not including off	27.1%					0.0%	72.9%															100.00%	-
Revenue Reserve used for Revenue Bonds - I&P		b NBV	0.0%	0.0%	4.0%	1.5%	3.6%	0.0%	1.5%	15.5%	11.3%	9.4%	3.6%	0.0%	5.5%	5.6%	6.7%	1.9%	7.4%	16.9%	0.0%	0.9%	4.7%	100.00%	-
Annexation		a Percent of capital financing costs not relate	0.0%	0.0%	0.0%	1.5%	3.6%	0.0%	1.5%	15.6%	11.4%	9.5%	3.6%	0.0%	5.7%	5.8%	6.9%	1.9%	7.7%	19.4%	0.0%	0.9%	4.8%	100.00%	-
Total Revenue Offsets																									-
NET REVENUE REQUIREMENTS:																									-

Functional Assignment Results
Fiscal Year Ending 2019

		Fn1	Fn2	Fn3	Fn4	Fn5	Fn6	Fn7	Fn8	Fn9	Fn10	Fn11	Fn12	Fn16	Fn17	Fn18	Fn19	Fn20	Fn21	Fn22	Fn23	Fn24		
		Source of Supply			Conveyance & Aqueduct					Storage				Treatment										
					CRA		SWP		Other	Storage Costs Other Than Power														
		CRA	SWP	Other Supply	CRA Power	CRA All Other	SWP Power	SWP All Other	Conv. & Aqueduct	Emergency	Drought	Regulatory	Power	Jensen	Weymouth	Diemer	Mills	Skinner	Distribution	Demand Management	Hydro-Electric	Administrative & General	Total $ Allocated	Total less A&G
Departmental O&M																								
Group	**Item**																							
Office of General Manager		99,707	113,562	122,785	47,926	422,012	-	193,339	84,503	77,085	65,998	27,836	-	239,538	264,350	280,920	183,499	238,600	976,390	121,818	53,373	1,169,084	4,782,324	3,613,240
Office of General Manager	Board of Directors	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,576,653	1,576,653	-
Office of General Manager	Bay Delta Initiatives	-	-	-	-	-	-	10,931,125	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10,931,125	10,931,125
External Affairs	Legislative Services	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5,850,263	5,850,263	-
External Affairs	Media Communications Services	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6,282,911	6,282,911	-
External Affairs	Manager, External Affairs/Special Projects	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8,504,632	8,504,632	-
External Affairs	Conservation & Community Services	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2,878,101	-	2,878,101	5,756,202	2,878,101
Human Resources		246,042	280,232	302,992	118,266	1,041,382	-	477,094	208,525	190,219	162,861	68,691	-	591,098	652,325	693,214	452,812	588,783	2,409,400	300,606	131,705	2,884,902	11,801,151	8,916,249
Water Systems Operations	Office of the Manager	93,084	93,084	95,321	85,436	743,051	-	42,748	8,609	19,834	18,799	15,586	-	334,100	350,776	348,574	304,576	322,119	1,462,689	-	92,316	24,800	4,455,500	4,430,700
Water Systems Operations	Office of the Manager, Conveyance & Dist	-	-	-	-	343,451	-	22,883	-	-	-	-	-	-	-	-	-	-	293,971	-	16,036	512	676,852	676,340
Water Systems Operations	Office of the Manager, Treatment Section	-	-	-	-	-	-	-	-	-	-	-	-	192,052	222,213	236,052	146,634	177,941	149,551	-	-	-	1,124,444	1,124,444
Water Systems Operations	Office of the Manager, Operations Support	44,540	44,540	45,610	40,880	355,542	-	20,455	4,119	9,491	8,995	7,458	-	159,863	167,843	166,789	145,736	154,131	699,882	-	44,172	11,866	2,131,911	2,120,045
Water Systems Operations	Operations Support Services	-	-	-	-	571,464	-	-	-	-	-	-	-	98,528	98,528	98,528	98,528	98,528	5,340,231	-	131,371	32,843	6,568,549	6,535,707
Water Systems Operations	Desert Region / C&D CRA	-	-	-	-	26,039,232	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	26,039,232	26,039,232
Water Systems Operations	System Operations Unit	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8,039,514	-	-	-	8,039,514	8,039,514
Water Systems Operations	Power Operations and Planning	-	-	-	3,158,556	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	38,363	-	3,196,919	3,196,919
Water Systems Operations	Operations Planning & Programs Unit	881,508	881,508	881,508	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2,644,524	2,644,524
Water Systems Operations	Treatment Jensen	-	-	-	-	-	-	-	-	-	-	-	-	12,966,168	-	-	-	-	1,989,043	-	-	-	14,955,211	14,955,211
Water Systems Operations	Treatment Diemer	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15,936,721	-	-	2,444,734	-	-	-	18,381,455	18,381,455
Water Systems Operations	Treatment Mills	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9,899,787	-	1,518,652	-	-	-	11,418,440	11,418,440
Water Systems Operations	Treatment Skinner	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12,013,473	1,842,897	-	-	-	13,856,370	13,856,370
Water Systems Operations	Treatment Weymouth	-	-	-	-	-	-	-	-	-	-	-	-	-	15,002,426	-	-	-	2,301,410	-	-	-	17,303,836	17,303,836
Water Systems Operations	Water Quality Section	3,068,421	3,068,421	3,068,421	-	-	-	-	-	604,031	604,031	604,031	-	2,184,166	2,184,166	2,184,166	2,184,166	2,184,166	-	-	-	-	21,938,186	21,938,186
Water Systems Operations	C&D, Eastern Unit	-	-	-	-	1,412,343	-	1,557,198	-	-	-	-	-	-	-	-	-	-	14,413,138	-	706,171	18,107	18,106,957	18,088,850
Water Systems Operations	C&D, Western Unit	-	-	-	-	29,437	-	632,894	-	-	-	-	-	-	-	-	-	-	13,231,891	-	794,797	29,437	14,718,455	14,689,018
Water Systems Operations	OSS, Manufacturing Services Unit	-	-	-	-	393,413	-	-	-	-	-	-	-	126,408	126,408	126,408	126,408	126,408	5,282,047	-	128,988	12,899	6,449,386	6,436,487
Water Systems Operations	Environmental Health & Safety Section	-	-	-	-	2,928,581	-	-	-	-	-	-	-	1,483,232	1,483,232	1,483,232	1,483,232	1,483,232	4,094,185	-	116,560	14,570	14,570,055	14,555,485
Water Systems Operations	OSS, Fleet Services Unit	-	-	-	-	1,296,460	-	-	-	-	-	-	-	461,864	461,864	461,864	461,864	461,864	5,398,542	-	-	1,124,274	10,128,597	9,004,323
Water Systems Operations	OSS, Power Support Unit	-	-	-	173,134	-	-	-	-	-	-	-	-	213,783	213,783	213,783	213,783	213,783	4,147,691	-	2,122,775	15,055	7,527,571	7,512,516
Water Systems Operations	Office of the Manager, Operations & Plann	7,070	7,070	7,240	6,489	56,436	-	3,247	654	1,506	1,428	1,184	-	25,375	26,642	26,475	23,133	24,465	111,093	-	7,011	1,884	338,401	336,517
Water Systems Operations	Security Team & Security Management	-	-	420,931	155,630	378,107	-	153,837	1,619,812	1,177,669	982,783	378,220	-	572,383	587,006	696,678	193,231	771,881	1,764,549	-	98,182	494,046	10,444,944	9,950,898
Office of the Chief Financial C		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	23,484,293	23,484,293	-
Business Technology	Office of Manager	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Engineering Services		-	-	1,486,030	549,426	1,334,846	-	543,096	5,718,487	4,157,571	3,469,557	1,335,244	-	2,020,706	2,072,330	2,459,509	682,173	2,725,004	6,229,459	-	346,618	1,744,150	36,874,205	35,130,055
Business Technology	Administrative Services	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	24,496,576	24,496,576	-
Business Technology	Information Technology	757,699	862,987	933,079	364,207	3,206,987	-	1,469,236	642,163	585,790	501,539	211,537	-	1,820,317	2,008,868	2,134,787	1,394,457	1,813,187	7,419,867	925,731	405,593	8,884,199	36,342,230	27,458,031
Water Resources Manageme	Resource Planning & Development	-	-	2,698,855	-	-	-	-	-	-	-	-	-	812	812	812	812	812	1,339,282	-	-	16,234	4,058,429	4,042,195
Water Resources Manageme	Resource Implementation	3,539,506	4,256,974	1,387,104	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6,744,195	-	15,944	15,943,722	15,927,779
Water Resources Manageme	Office of the Group Manager	512,101	615,906	591,163	-	-	-	-	-	-	-	-	-	117	117	117	117	117	193,769	975,761	-	4,655	2,893,942	2,889,287
Ethics Office		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,334,788	1,334,788	-
Real Property		528,143	912,247	-	-	832,225	-	2,912,788	-	736,199	656,178	80,022	-	-	-	-	-	-	2,656,719	-	-	6,689,810	16,004,331	9,314,521
General Counsel		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	13,587,754	13,587,754	-
General Auditor		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3,462,019	3,462,019	-
Total Departmental O&M		**9,777,821**	**11,136,530**	**12,041,041**	**4,699,950**	**41,384,968**	**-**	**18,959,938**	**8,286,872**	**7,559,395**	**6,472,168**	**2,729,808**	**-**	**23,490,511**	**25,923,689**	**27,548,628**	**17,994,948**	**23,398,493**	**95,750,596**	**11,946,211**	**5,234,031**	**114,647,261**	**468,982,859**	**354,335,598**
GENERAL DISTRICT REQUIREMENTS																								-
State Water Project																								-
Supply - O&M		-	91,637,319	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	91,637,319	91,637,319
Supply - Capital		-	38,113,213	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	38,113,213	38,113,213
Power - O&M & Off-Aq Capital		-	-	-	-	-	163,459,789	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	163,459,789	163,459,789
Power - Capital (less Off-Aq)		-	-	-	-	-	(4,219,489)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(4,219,489)	(4,219,489)
Transmission - Capital - Commodity, Demand, & Standby		-	-	-	-	-	-	98,807,736	-	-	-	-	-	-	-	-	-	-	-	-	-	-	98,807,736	98,807,736
Transmission - O&M - Commodity only		-	-	-	-	-	-	175,328,875	-	-	-	-	-	-	-	-	-	-	-	-	-	-	175,328,875	175,328,875
CA WaterFix - Capital		-	-	-	-	-	-	3,574,035	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3,574,035	3,574,035
Total State Water Project		**-**	**129,750,532**	**-**	**-**	**-**	**159,240,301**	**277,710,646**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**566,701,479**	**566,701,479**
Colorado River Aqueduct Power Costs		-	-	-	45,836,144	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	45,836,144	-
Supply Programs		32,640,956	26,923,566	1,599,541	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	61,164,062	-
Demand Management Programs																								-
Local Resources Program		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	44,099,873	-	-	44,099,873	-
Future Supply Actions		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,960,000	-	-	1,960,000	-
Conservation Credits Program		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	43,000,000	-	-	43,000,000	-
Total Demand Management Programs		**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**89,059,873**	**-**	**-**	**89,059,873**	**89,059,873**
Capital Financing Program																								-
Revenue Bond Debt Service net of BABs Interest Subsidy Payment		-	-	12,537,349	4,635,397	11,261,837	-	4,581,991	48,245,756	35,076,613	29,271,974	11,265,193	-	17,048,306	17,483,847	20,750,402	5,755,359	22,990,325	52,556,728	-	2,924,344	14,715,052	311,100,475	-
G.O. Bond Debt Service		-	-	-	-	-	-	-	-	-	-	-	-	786,854	806,956	957,722	265,635	1,061,104	10,480,380	-	-	-	14,358,651	-
Debt Administration & State Revolving Funds		-	-	261,677	96,749	235,054	-	95,634	1,006,974	732,111	610,958	235,124	-	355,828	364,919	433,097	120,124	479,849	1,096,951	-	61,036	307,129	6,493,215	-
Bond Defeasance		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PAYGO		-	-	4,836,000	1,788,000	4,344,000	-	1,767,400	18,609,714	13,530,013	11,291,005	4,345,294	-	6,576,000	6,744,000	8,004,000	2,220,000	8,868,000	20,272,574	-	1,128,000	5,676,000	120,000,000	-
Total Capital Financing Program		**-**	**-**	**17,635,026**	**6,520,146**	**15,840,892**	**-**	**6,445,026**	**67,862,444**	**49,338,738**	**41,173,936**	**15,845,612**	**-**	**24,766,988**	**25,399,722**	**30,145,221**	**8,361,118**	**33,399,278**	**84,406,633**	**-**	**4,113,381**	**20,698,182**	**451,952,341**	**431,254,160**
Other Operating Costs																								-
Operating Equipment		185,660	206,509	255,933	107,077	862,894	-	258,141	158,418	140,320	120,148	53,018	-	427,455	450,531	460,948	355,302	431,644	1,862,483	194,092	110,389	1,881,114	8,522,076	6,640,962
OPEB\PERS Pre-Funding		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Other Operating Costs		**185,660**	**206,509**	**255,933**	**107,077**	**862,894**	**-**	**258,141**	**158,418**	**140,320**	**120,148**	**53,018**	**-**	**427,455**	**450,531**	**460,948**	**355,302**	**431,644**	**1,862,483**	**194,092**	**110,389**	**1,881,114**	**8,522,076**	**6,640,962**
Increase/(Decrease) in Required Reserves		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	31,600,000	31,600,000	-
Total General District Requirements		**32,826,615**	**156,880,607**	**19,490,499**	**52,463,366**	**16,703,786**	**159,240,301**	**284,413,813**	**68,020,862**	**49,479,057**	**41,294,084**	**15,898,630**	**-**	**25,194,443**	**25,850,253**	**30,606,169**	**8,716,421**	**33,830,922**	**86,269,116**	**89,253,965**	**4,223,770**	**54,179,296**	**1,254,835,975**	**1,093,656,474**
REQUIREMENTS BEFORE OFFSETS:		**42,604,436**	**168,017,137**	**31,531,540**	**57,163,317**	**58,088,754**	**159,240,301**	**303,373,752**	**76,307,733**	**57,038,452**	**47,766,252**	**18,628,438**	**-**	**48,684,954**	**51,773,942**	**58,154,797**	**26,711,369**	**57,229,415**	**182,019,712**	**101,200,176**	**9,457,801**	**168,826,557**	**1,723,818,834**	**1,554,992,277**
Revenue Offsets																								-
Taxes - MWD Portion of SWP GO Debt Service		-	-	-	-	-	-	13,081,325	-	-	-	-	-	-	-	-	-	-	-	-	-	-	13,081,325	13,081,325
Taxes - MWD GO Debt Service		-	-	-	-	-	-	-	-	-	-	-	-	786,854	806,956	957,722	265,635	1,061,104	10,480,380	-	-	-	14,358,651	14,358,651
Interest on Investments		411,453	1,622,627	304,516	552,055	560,993	1,537,865	2,929,835	736,943	550,849	461,303	179,904	-	470,175	500,007	561,630	257,965	552,694	1,757,857	977,342	91,339	1,630,444	16,647,795	15,017,351
Hydro-Power Revenue		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14,457,569	-	14,457,569	14,457,569
CRA Power Revenue		-	-	-	5,971,835	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5,971,835	5,971,835
Wadsworth Pumping Plant (DVL) Power Revenue (cost in dept)		-	-	-	-	-	-	-	-	-	-	-	489,163	-	-	-	-	-	-	-	-	-	489,163	489,163
Misc. allocated to A&G (Lease, Late Fees, etc.)		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2,000,000	2,000,000	-
Misc. allocated to supply (PVID Lease, CVWD Revenues)		-	9,075,650	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9,075,650	9,075,650
Taxes - additional from fixed tax rate		-	24,199,495	-	-	-	-	65,005,992	-	-	-	-	-	-	-	-	-	-	-	-	-	-	89,205,488	89,205,488
Revenue Reserve used for Revenue Bonds - I&P		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Annexation		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Revenue Offsets		**411,453**	**34,897,772**	**304,516**	**6,523,890**	**560,993**	**1,537,865**	**81,017,152**	**736,943**	**550,849**	**461,303**	**179,904**	**489,163**	**1,257,029**	**1,306,963**	**1,519,352**	**523,600**	**1,613,798**	**12,238,236**	**977,342**	**14,548,908**	**3,630,444**	**165,287,476**	**161,657,032**
NET REVENUE REQUIREMENTS:		**42,192,983**	**133,119,365**	**31,227,024**	**50,639,427**	**57,527,761**	**157,702,436**	**222,356,600**	**75,570,791**	**56,487,603**	**47,304,949**	**18,448,534**	**(489,163)**	**47,427,925**	**50,466,978**	**56,635,445**	**26,187,768**	**55,615,617**	**169,781,476**	**100,222,835**	**(5,091,107)**	**165,196,113**	**$ 1,558,531,358**	**$ 1,393,335,245**

Functional Assignment Summary (by budget line item)
Fiscal Year Ending 2019

		Source of Supply	Conveyance & Aqueduct	Storage Non-Power	Storage Power	Treatment	Distribution	Demand Management	Hydro-Electric	Administrative & General	Total $ Allocated	
Departmental O&M												
Group	***Item***											CHECKS
Office of General Manager		336,054	747,780	170,919	-	1,206,905	976,390	121,818	53,373	1,169,084	4,782,324	-
Office of General Manager	Board of Directors	-	-	-	-	-	-	-	-	1,576,653	1,576,653	-
Office of General Manager	Bay Delta Initiatives	-	10,931,125	-	-	-	-	-	-	-	10,931,125	-
External Affairs	Legislative Services	-	-	-	-	-	-	-	-	5,850,263	5,850,263	-
External Affairs	Media Communications Services	-	-	-	-	-	-	-	-	6,282,911	6,282,911	-
External Affairs	Manager, External Affairs/Special Projects	-	-	-	-	-	-	-	-	8,504,632	8,504,632	-
External Affairs	Conservation & Community Services	-	-	-	-	-	-	2,878,101	-	2,878,101	5,756,202	-
Human Resources		829,266	1,845,267	421,771	-	2,978,233	2,409,400	300,606	131,705	2,884,902	11,801,151	-
Water Systems Operations	Office of the Manager	281,489	879,844	54,219	-	1,660,144	1,462,689	-	92,316	24,800	4,455,500	-
Water Systems Operations	Office of the Manager, Conveyance & Distribution Section	-	366,333	-	-	-	293,971	-	16,036	512	676,852	-
Water Systems Operations	Office of the Manager, Treatment Section	-	-	-	-	974,893	149,551	-	-	-	1,124,444	-
Water Systems Operations	Office of the Manager, Operations Support Services	134,690	420,996	25,943	-	794,362	699,882	-	44,172	11,866	2,131,911	-
Water Systems Operations	Operations Support Services	-	571,464	-	-	492,641	5,340,231	-	131,371	32,843	6,568,549	-
Water Systems Operations	Desert Region / C&D CRA	-	26,039,232	-	-	-	-	-	-	-	26,039,232	-
Water Systems Operations	System Operations Unit	-	-	-	-	-	8,039,514	-	-	-	8,039,514	-
Water Systems Operations	Power Operations and Planning	-	3,158,556	-	-	-	-	-	38,363	-	3,196,919	-
Water Systems Operations	Operations Planning & Programs Unit	2,644,524	-	-	-	-	-	-	-	-	2,644,524	-
Water Systems Operations	Treatment Jensen	-	-	-	-	12,966,168	1,989,043	-	-	-	14,955,211	-
Water Systems Operations	Treatment Diemer	-	-	-	-	15,936,721	2,444,734	-	-	-	18,381,455	-
Water Systems Operations	Treatment Mills	-	-	-	-	9,899,787	1,518,652	-	-	-	11,418,440	-
Water Systems Operations	Treatment Skinner	-	-	-	-	12,013,473	1,842,897	-	-	-	13,856,370	-
Water Systems Operations	Treatment Weymouth	-	-	-	-	15,002,426	2,301,410	-	-	-	17,303,836	-
Water Systems Operations	Water Quality Section	9,205,263	-	1,812,094	-	10,920,829	-	-	-	-	21,938,186	-
Water Systems Operations	C&D, Eastern Unit	-	2,969,541	-	-	-	14,413,138	-	706,171	18,107	18,106,957	-
Water Systems Operations	C&D, Western Unit	-	662,330	-	-	-	13,231,891	-	794,797	29,437	14,718,455	-
Water Systems Operations	OSS, Manufacturing Services Unit	-	393,413	-	-	632,040	5,282,047	-	128,988	12,899	6,449,386	-
Water Systems Operations	Environmental Health & Safety Section	-	2,928,581	-	-	7,416,158	4,094,185	-	116,560	14,570	14,570,055	-
Water Systems Operations	OSS, Fleet Services Unit	-	1,296,460	-	-	2,309,320	5,398,542	-	-	1,124,274	10,128,597	-
Water Systems Operations	OSS, Power Support Unit	-	173,134	-	-	1,068,915	4,147,691	-	2,122,775	15,055	7,527,571	-
Water Systems Operations	Office of the Manager, Operations & Planning Section	21,379	66,825	4,118	-	126,090	111,093	-	7,011	1,884	338,401	-
Water Systems Operations	Security Team & Security Management	420,931	2,307,385	2,538,671	-	2,821,179	1,764,549	-	98,182	494,046	10,444,944	-
Office of the Chief Financial Officer		-	-	-	-	-	-	-	-	23,484,293	23,484,293	-
Business Technology	Office of Manager	-	-	-	-	-	-	-	-	-	-	-
Engineering Services		1,486,030	8,145,854	8,962,372	-	9,959,723	6,229,459	-	346,618	1,744,150	36,874,205	-
Business Technology	Administrative Services	-	-	-	-	-	-	-	-	24,496,576	24,496,576	-
Business Technology	Information Technology	2,553,766	5,682,593	1,298,865	-	9,171,616	7,419,867	925,731	405,593	8,884,199	36,342,230	-
Water Resources Management	Resource Planning & Development	2,698,855	-	-	-	4,058	1,339,282	-	-	16,234	4,058,429	-
Water Resources Management	Resource Implementation	9,183,584	-	-	-	-	-	6,744,195	-	15,944	15,943,722	-
Water Resources Management	Office of the Group Manager	1,719,170	-	-	-	587	193,769	975,761	-	4,655	2,893,942	-
Ethics Office		-	-	-	-	-	-	-	-	1,334,788	1,334,788	-
Real Property		1,440,390	3,745,013	1,472,398	-	-	2,656,719	-	-	6,689,810	16,004,331	-
General Counsel		-	-	-	-	-	-	-	-	13,587,754	13,587,754	-
General Auditor		-	-	-	-	-	-	-	-	3,462,019	3,462,019	-
Total Departmental O&M		**32,955,391**	**73,331,729**	**16,761,371**	**-**	**118,356,269**	**95,750,596**	**11,946,211**	**5,234,031**	**114,647,261**	**468,982,859**	-
GENERAL DISTRICT REQUIREMENTS												-
State Water Project												-
Supply - O&M		91,637,319	-	-	-	-	-	-	-	-	91,637,319	-
Supply - Capital		38,113,213	-	-	-	-	-	-	-	-	38,113,213	-
Power - O&M & Off-Aq Capital		-	163,459,789	-	-	-	-	-	-	-	163,459,789	-
Power - Capital (less Off-Aq)		-	(4,219,489)	-	-	-	-	-	-	-	(4,219,489)	-
Transmission - Capital - Commodity, Demand, & Standby		-	98,807,736	-	-	-	-	-	-	-	98,807,736	-
Transmission - O&M - Commodity only		-	175,328,875	-	-	-	-	-	-	-	175,328,875	-
		-	3,574,035	-	-	-	-	-	-	-	3,574,035	-
- **Total State Water Project**		**129,750,532**	**436,950,947**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**566,701,479**	-
Colorado River Aqueduct Power Costs		-	45,836,144	-	-	-	-	-	-	-	45,836,144	-
Supply Programs		61,164,062	-	-	-	-	-	-	-	-	61,164,062	-
Demand Management Programs												-
Local Resources Program		-	-	-	-	-	-	44,099,873	-	-	44,099,873	-
Future Supply Actions		-	-	-	-	-	-	1,960,000	-	-	1,960,000	-
Conservation Credits Program		-	-	-	-	-	-	43,000,000	-	-	43,000,000	-
Total Demand Management Programs		**-**	**-**	**-**	**-**	**-**	**-**	**89,059,873**	**-**	**-**	**89,059,873**	-
Capital Financing Program												-
Revenue Bond Debt Service net of BABs Interest Subsidy Payment		12,537,349	68,724,982	75,613,781	-	84,028,238	52,556,728	-	2,924,344	14,715,052	311,100,475	-
G.O. Bond Debt Service		-	-	-	-	3,878,272	10,480,380	-	-	-	14,358,651	-
Debt Administration & State Revolving Funds		261,677	1,434,411	1,578,193	-	1,753,817	1,096,951	-	61,036	307,129	6,493,215	-
Bond Defeasance		-	-	-	-	-	-	-	-	-	-	-
PAYGO		4,836,000	26,509,114	29,166,312	-	32,412,000	20,272,574	-	1,128,000	5,676,000	120,000,000	-
Total Capital Financing Program		**17,635,026**	**96,668,507**	**106,358,286**	**-**	**122,072,327**	**84,406,633**	**-**	**4,113,381**	**20,698,182**	**451,952,341**	-
Other Operating Costs												-
Operating Equipment		648,102	1,386,530	313,486	-	2,125,881	1,862,483	194,092	110,389	1,881,114	8,522,076	-
OPEB\PERS Pre-Funding		-	-	-	-	-	-	-	-	-	-	-
Total Other Operating Costs		**648,102**	**1,386,530**	**313,486**	**-**	**2,125,881**	**1,862,483**	**194,092**	**110,389**	**1,881,114**	**8,522,076**	-
Increase/(Decrease) in Required Reserves		-	-	-	-	-	-	-	-	31,600,000	31,600,000	-
Total General District Requirements		**209,197,722**	**580,842,128**	**106,671,771**	**-**	**124,198,208**	**86,269,116**	**89,253,965**	**4,223,770**	**54,179,296**	**1,254,835,975**	-
REQUIREMENTS BEFORE OFFSETS:		**242,153,112**	**654,173,856**	**123,433,142**	**-**	**242,554,477**	**182,019,712**	**101,200,176**	**9,457,801**	**168,826,557**	**1,723,818,834**	-
Revenue Offsets												-
Taxes - MWD Portion of SWP GO Debt Service		-	13,081,325	-	-	-	-	-	-	-	13,081,325	-
Taxes - MWD GO Debt Service		-	-	-	-	3,878,272	10,480,380	-	-	-	14,358,651	-
Interest on Investments		2,338,596	6,317,689	1,192,057	-	2,342,472	1,757,857	977,342	91,339	1,630,444	16,647,795	-
Hydro-Power Revenue		-	-	-	-	-	-	-	14,457,569	-	14,457,569	-
CRA Power Revenue		-	5,971,835	-	-	-	-	-	-	-	5,971,835	-
Wadsworth Pumping Plant (DVL) Power Revenue (cost in dept)		-	-	-	489,163	-	-	-	-	-	489,163	-
Misc. allocated to A&G (Lease, Late Fees, etc.)		-	-	-	-	-	-	-	-	2,000,000	2,000,000	-
Misc. allocated to supply (PVID Lease, CVWD Revenues)		9,075,650	-	-	-	-	-	-	-	-	9,075,650	-
Taxes - additional from fixed tax rate		24,199,495	65,005,992	-	-	-	-	-	-	-	89,205,488	-
Revenue Reserve used for Revenue Bonds - I&P		-	-	-	-	-	-	-	-	-	-	-
Annexation		-	-	-	-	-	-	-	-	-	-	-
Total Revenue Offsets		**35,613,741**	**90,376,842**	**1,192,057**	**489,163**	**6,220,744**	**12,238,236**	**977,342**	**14,548,908**	**3,630,444**	**165,287,476**	-
NET REVENUE REQUIREMENTS:		**206,539,371**	**563,797,015**	**122,241,085**	**(489,163)**	**236,333,733**	**169,781,476**	**100,222,835**	**(5,091,107)**	**165,196,113**	**1,558,531,358**	-

Functional Assignment of Labor Costs
Fiscal Year Ending 2019

		Class1	Class2	Class3	Class4	Class5	Class6	Class7	Class8	Class9	Class10	Class11	Class12	Class16	Class17	Class18	Class19	Class20	Class21	Class23	Class22	Class24	
		Source of Supply			Conveyance & Aqueduct					Storage				Treatment									
					CRA		SWP			Storage Costs Other Than Power													
		CRA	SWP	Other	CRA Power	CRA All Other	SWP Power	SWP All Other	Other Conv. & Aqueduct	Emergency	Drought	Regulatory	Power	Jensen	Weymouth	Diemer	Mills	Skinner	Distribution	Demand	Hydro-Electric	Administrative & General	Total $ Functionalized
Departmental O&M																							
Group	***Item***																						
Office of General Manager		90,577	103,164	111,543	43,538	383,372	-	175,636	76,766	70,027	59,955	25,288	-	217,606	240,145	255,198	166,697	216,753	886,991	110,664	48,486	1,062,041	4,344,448
Office of General Manager	Board of Directors	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,079,067	1,079,067
Office of General Manager	Bay Delta Initiatives	-	-	-	-	-	-	4,869,969	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4,869,969
External Affairs	Legislative Services	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3,515,616	3,515,616
External Affairs	Media Communications Services	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4,197,435	4,197,435
External Affairs	Manager, External Affairs/Special Projects	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5,923,489	5,923,489
External Affairs	Conservation & Community Services	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,559,794	-	1,559,794	3,119,587
Human Resources		196,922	224,286	242,502	94,655	833,478	-	381,846	166,895	152,244	130,347	54,977	-	473,091	522,094	554,820	362,412	471,237	1,928,383	240,592	105,412	2,308,955	9,445,147
Water Systems Operations	Office of the Manager	55,346	55,346	56,676	50,799	441,801	-	25,417	5,119	11,793	11,177	9,267	-	198,648	208,564	207,254	181,094	191,524	869,682	-	54,889	14,745	2,649,139
Water Systems Operations	Office of the Manager, Conveyance & Distributior	-	-	-	-	320,588	-	21,359	-	-	-	-	-	-	-	-	-	-	274,402	-	14,968	478	631,796
Water Systems Operations	Office of the Manager, Treatment Section	-	-	-	-	-	-	-	-	-	-	-	-	136,449	157,877	167,709	104,180	126,423	106,253	-	-	-	798,892
Water Systems Operations	Office of the Manager, Operations Support Servic	39,324	39,324	40,269	36,093	313,906	-	18,059	3,637	8,379	7,942	6,584	-	141,142	148,188	147,257	128,670	136,081	617,922	-	38,999	10,477	1,882,253
Water Systems Operations	Operations Support Services	-	-	-	-	519,188	-	-	-	-	-	-	-	89,515	89,515	89,515	89,515	89,515	4,851,724	-	119,354	29,838	5,967,680
Water Systems Operations	Desert Region / C&D CRA	-	-	-	-	21,577,969	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	21,577,969
Water Systems Operations	System Operations Unit	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6,848,697	-	-	-	6,848,697
Water Systems Operations	Power Operations and Planning	-	-	-	2,918,515	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	35,448	-	2,953,963
Water Systems Operations	Operations Planning & Programs Unit	876,306	876,306	876,306	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2,628,917
Water Systems Operations	Treatment Jensen	-	-	-	-	-	-	-	-	-	-	-	-	8,221,247	-	-	-	-	1,261,160	-	-	-	9,482,407
Water Systems Operations	Treatment Diemer	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8,691,790	-	-	1,333,343	-	-	-	10,025,133
Water Systems Operations	Treatment Mills	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7,254,197	-	1,112,812	-	-	-	8,367,009
Water Systems Operations	Treatment Skinner	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7,757,520	1,190,023	-	-	-	8,947,543
Water Systems Operations	Treatment Weymouth	-	-	-	-	-	-	-	-	-	-	-	-	-	8,802,814	-	-	-	1,350,374	-	-	-	10,153,188
Water Systems Operations	Water Quality Section	2,505,188	2,505,188	2,505,188	-	-	-	-	-	493,157	493,157	493,157	-	1,783,245	1,783,245	1,783,245	1,783,245	1,783,245	-	-	-	-	17,911,261
Water Systems Operations	C&D, Eastern Unit	-	-	-	-	942,319	-	1,038,967	-	-	-	-	-	-	-	-	-	-	9,616,489	-	471,160	12,081	12,081,017
Water Systems Operations	C&D, Western Unit	-	-	-	-	21,530	-	462,898	-	-	-	-	-	-	-	-	-	-	9,677,795	-	581,314	21,530	10,765,067
Water Systems Operations	OSS, Manufacturing Services Unit	-	-	-	-	354,277	-	-	-	-	-	-	-	113,833	113,833	113,833	113,833	113,833	4,756,601	-	116,156	11,616	5,807,816
Water Systems Operations	Environmental Health & Safety Section	-	-	-	-	2,371,587	-	-	-	-	-	-	-	1,201,132	1,201,132	1,201,132	1,201,132	1,201,132	3,315,502	-	94,392	11,799	11,798,939
Water Systems Operations	OSS, Fleet Services Unit	-	-	-	-	812,615	-	-	-	-	-	-	-	289,494	289,494	289,494	289,494	289,494	3,383,779	-	-	704,689	6,348,553
Water Systems Operations	OSS, Power Support Unit	-	-	-	155,114	-	-	-	-	-	-	-	-	191,533	191,533	191,533	191,533	191,533	3,716,003	-	1,901,838	13,488	6,744,108
Water Systems Operations	Office of the Manager, Operations & Planning Se	7,147	7,147	7,319	6,560	57,052	-	3,282	661	1,523	1,443	1,197	-	25,652	26,933	26,764	23,386	24,732	112,306	-	7,088	1,904	342,096
Water Systems Operations	Security Team & Security Management	-	-	81,271	30,048	73,003	-	29,702	312,743	227,377	189,750	73,024	-	110,512	113,336	134,510	37,308	149,030	340,688	-	18,956	95,387	2,016,646
Office of the Chief Financial Of		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10,153,095	10,153,095
Business Technology	Office of Manager	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Engineering Services		-	-	1,300,170	480,708	1,167,894	-	475,170	5,003,264	3,637,575	3,035,613	1,168,242	-	1,767,973	1,813,140	2,151,894	596,852	2,384,182	5,450,328	-	303,265	1,526,006	32,262,276
Business Technology	Administrative Services	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14,907,613	14,907,613
Business Technology	Information Technology	562,063	640,167	692,161	270,170	2,378,952	-	1,089,883	476,358	434,540	372,043	156,919	-	1,350,316	1,490,184	1,583,591	1,034,412	1,345,027	5,504,078	686,710	300,870	6,590,324	26,958,768
Water Resources Management	Resource Planning & Development	-	-	2,476,042	-	-	-	-	-	-	-	-	-	745	745	745	745	745	1,228,713	-	-	14,893	3,723,372
Water Resources Management	Resource Implementation	2,014,793	2,423,196	789,581	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3,838,997	-	9,076	9,075,642
Water Resources Management	Office of the Group Manager	509,108	612,305	587,707	-	-	-	-	-	-	-	-	-	117	117	117	117	117	192,637	970,056	-	4,628	2,877,025
Ethics Office		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,247,337	1,247,337
Real Property		228,251	394,252	-	-	359,668	-	1,258,838	-	318,168	283,584	34,583	-	-	-	-	-	-	1,148,171	-	-	2,891,178	6,916,694
General Counsel		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10,766,965	10,766,965
General Auditor		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3,100,307	3,100,307
Total Departmental O&M		**7,085,024**	**7,880,680**	**9,766,734**	**4,086,200**	**32,929,200**	**-**	**9,851,028**	**6,045,443**	**5,354,783**	**4,585,011**	**2,023,239**	**-**	**16,312,249**	**17,192,888**	**17,590,401**	**13,558,821**	**16,472,124**	**71,074,856**	**7,406,813**	**4,212,594**	**71,785,852**	**325,213,940**

Allocation Percentages: Source Of Supply, CRA
Fiscal Year Ending 2019

		Functionalization	Allocation Percentages						% Total
			Fixed			Variable Commodity	Other	Hydroelectric	
			Demand	Commodity	Standby				
Departmental O&M									
Group	***Item***								
Office of General Manager		99,707	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Office of General Manager	Board of Directors	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Office of General Manager	Bay Delta Initiatives	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
External Affairs	Legislative Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
External Affairs	Media Communications Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
External Affairs	Manager, External Affairs/Special Projects	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
External Affairs	Conservation & Community Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Human Resources		246,042	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager	93,084	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager, Conveyance & Distribution Sectio	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager, Treatment Section	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager, Operations Support Services	44,540	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Operations Support Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Desert Region / C&D CRA	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	System Operations Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Power Operations and Planning	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Operations Planning & Programs Unit	881,508	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Jensen	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Diemer	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Mills	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Skinner	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Weymouth	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Water Quality Section	3,068,421	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	C&D, Eastern Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	C&D, Western Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	OSS, Manufacturing Services Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Environmental Health & Safety Section	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	OSS, Fleet Services Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	OSS, Power Support Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager, Operations & Planning Section	7,070	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Security Team & Security Management	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Office of the Chief Financial Officer		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Business Technology	Office of Manager	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Engineering Services		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Business Technology	Administrative Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Business Technology	Information Technology	757,699	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Resources Management	Resource Planning & Development	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Resources Management	Resource Implementation	3,539,506	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Resources Management	Office of the Group Manager	512,101	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Ethics Office		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Real Property		528,143	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
General Counsel		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
General Auditor		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Total Departmental O&M		9,777,821	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
GENERAL DISTRICT REQUIREMENTS									
State Water Project									
Supply - O&M		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Supply - Capital		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Power - O&M & Off-Aq Capital		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Power - Capital (less Off-Aq)		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Transmission - Capital - Commodity, Demand, & Standby		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Transmission - O&M - Commodity only		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
CA WaterFix - Capital		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Total State Water Project		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Colorado River Aqueduct Power Costs		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Supply Programs		32,640,956	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Demand Management Programs		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Local Resources Program		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Future Supply Actions		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Conservation Credits Program		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Total Demand Management Programs		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Capital Financing Program		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Revenue Bond Debt Service net of BABs Interest Subsidy Payment		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
G.O. Bond Debt Service		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Debt Administration & State Revolving Funds		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Bond Defeasance		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
PAYGO		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Total Capital Financing Program		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Other Operating Costs									
Operating Equipment		185,660	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
OPEB\PERS Pre-Funding		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Total Other Operating Costs		185,660	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Increase/(Decrease) in Required Reserves		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Total General District Requirements		32,826,615	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
REQUIREMENTS BEFORE OFFSETS:		42,604,436	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Revenue Offsets									
Taxes - MWD Portion of SWP GO Debt Service		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Taxes - MWD GO Debt Service		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Interest on Investments		411,453	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Hydro-Power Revenue		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
CRA Power Revenue		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Wadsworth Pumping Plant (DVL) Power Revenue (cost in dept)		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Misc. allocated to A&G (Lease, Late Fees, etc.)		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Misc. allocated to supply (PVID Lease, CVWD Revenues)		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Taxes - additional from fixed tax rate		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Revenue Reserve used for Revenue Bonds - I&P		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Annexation		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Total Revenue Offsets		411,453	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
NET REVENUE REQUIREMENTS:		42,192,983	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

Allocation of Revenue Requirements: Source Of Supply, CRA
Fiscal Year Ending 2019

		Functionalization	Allocation Percentages						Total
			Fixed			Variable	Other	Hydroelectric	
			Demand	Commodity	Standby	Commodity			
Departmental O&M									
Group	***Item***								
Office of General Manager		99,707	-	99,707	-	-	-	-	99,707
Office of General Manager	Board of Directors	-	-	-	-	-	-	-	-
Office of General Manager	Bay Delta Initiatives	-	-	-	-	-	-	-	-
External Affairs	Legislative Services	-	-	-	-	-	-	-	-
External Affairs	Media Communications Services	-	-	-	-	-	-	-	-
External Affairs	Manager, External Affairs/Special Projects	-	-	-	-	-	-	-	-
External Affairs	Conservation & Community Services	-	-	-	-	-	-	-	-
Human Resources		246,042	-	246,042	-	-	-	-	246,042
Water Systems Operations	Office of the Manager	93,084	-	93,084	-	-	-	-	93,084
Water Systems Operations	Office of the Manager, Conveyance & Distribution S	-	-	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Treatment Section	-	-	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Operations Support Services	44,540	-	44,540	-	-	-	-	44,540
Water Systems Operations	Operations Support Services	-	-	-	-	-	-	-	-
Water Systems Operations	Desert Region / C&D CRA	-	-	-	-	-	-	-	-
Water Systems Operations	System Operations Unit	-	-	-	-	-	-	-	-
Water Systems Operations	Power Operations and Planning	-	-	-	-	-	-	-	-
Water Systems Operations	Operations Planning & Programs Unit	881,508	-	881,508	-	-	-	-	881,508
Water Systems Operations	Treatment Jensen	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Diemer	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Mills	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Skinner	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Weymouth	-	-	-	-	-	-	-	-
Water Systems Operations	Water Quality Section	3,068,421	-	3,068,421	-	-	-	-	3,068,421
Water Systems Operations	C&D, Eastern Unit	-	-	-	-	-	-	-	-
Water Systems Operations	C&D, Western Unit	-	-	-	-	-	-	-	-
Water Systems Operations	OSS, Manufacturing Services Unit	-	-	-	-	-	-	-	-
Water Systems Operations	Environmental Health & Safety Section	-	-	-	-	-	-	-	-
Water Systems Operations	OSS, Fleet Services Unit	-	-	-	-	-	-	-	-
Water Systems Operations	OSS, Power Support Unit	-	-	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Operations & Planning Secti	7,070	-	7,070	-	-	-	-	7,070
Water Systems Operations	Security Team & Security Management	-	-	-	-	-	-	-	-
Office of the Chief Financial Office		-	-	-	-	-	-	-	-
Business Technology	Office of Manager	-	-	-	-	-	-	-	-
Engineering Services		-	-	-	-	-	-	-	-
Business Technology	Administrative Services	-	-	-	-	-	-	-	-
Business Technology	Information Technology	757,699	-	757,699	-	-	-	-	757,699
Water Resources Management	Resource Planning & Development	-	-	-	-	-	-	-	-
Water Resources Management	Resource Implementation	3,539,506	-	3,539,506	-	-	-	-	3,539,506
Water Resources Management	Office of the Group Manager	512,101	-	512,101	-	-	-	-	512,101
Ethics Office		-	-	-	-	-	-	-	-
Real Property		528,143	-	528,143	-	-	-	-	528,143
General Counsel		-	-	-	-	-	-	-	-
General Auditor		-	-	-	-	-	-	-	-
Total Departmental O&M	-	9,777,821	-	9,777,821	-	-	-	-	9,777,821
GENERAL DISTRICT REQUIREMENTS									
State Water Project		-	-	-	-	-	-	-	-
Supply - O&M		-	-	-	-	-	-	-	-
Supply - Capital		-	-	-	-	-	-	-	-
Power - O&M & Off-Aq Capital		-	-	-	-	-	-	-	-
Power - Capital (less Off-Aq)		-	-	-	-	-	-	-	-
Transmission - Capital - Commodity, Demand, & Standby		-	-	-	-	-	-	-	-
Transmission - O&M - Commodity only		-	-	-	-	-	-	-	-
CA WaterFix - Capital		-	-	-	-	-	-	-	-
Total State Water Project		-	-	-	-	-	-	-	-
Colorado River Aqueduct Power Costs		-	-	-	-	-	-	-	-
Supply Programs		32,640,956	-	32,640,956	-	-	-	-	32,640,956
Demand Management Programs		-	-	-	-	-	-	-	-
Local Resources Program		-	-	-	-	-	-	-	-
Future Supply Actions		-	-	-	-	-	-	-	-
Conservation Credits Program		-	-	-	-	-	-	-	-
Total Demand Management Programs		-	-	-	-	-	-	-	-
Capital Financing Program									
Revenue Bond Debt Service net of BABs Interest Subsidy Payment		-	-	-	-	-	-	-	-
G.O. Bond Debt Service		-	-	-	-	-	-	-	-
Debt Administration & State Revolving Funds		-	-	-	-	-	-	-	-
Bond Defeasance		-	-	-	-	-	-	-	-
PAYGO		-	-	-	-	-	-	-	-
Total Capital Financing Program		-	-	-	-	-	-	-	-
Other Operating Costs									
Operating Equipment		185,660	-	185,660	-	-	-	-	185,660
OPEB\PERS Pre-Funding		-	-	-	-	-	-	-	-
Total Other Operating Costs		185,660	-	185,660	-	-	-	-	185,660
Increase/(Decrease) in Required Reserves		-	-	-	-	-	-	-	-
Total General District Requirements		32,826,615	-	32,826,615	-	-	-	-	32,826,615
REQUIREMENTS BEFORE OFFSETS:		42,604,436	-	42,604,436	-	-	-	-	42,604,436
Revenue Offsets									
Taxes - MWD Portion of SWP GO Debt Service		-	-	-	-	-	-	-	-
Taxes - MWD GO Debt Service		-	-	-	-	-	-	-	-
Interest on Investments		411,453	-	411,453	-	-	-	-	411,453
Hydro-Power Revenue		-	-	-	-	-	-	-	-
CRA Power Revenue		-	-	-	-	-	-	-	-
Wadsworth Pumping Plant (DVL) Power Revenue (cost in dept)		-	-	-	-	-	-	-	-
Misc. allocated to A&G (Lease, Late Fees, etc.)		-	-	-	-	-	-	-	-
Misc. allocated to supply (PVID Lease, CVWD Revenues)		-	-	-	-	-	-	-	-
Taxes - additional from fixed tax rate		-	-	-	-	-	-	-	-
Revenue Reserve used for Revenue Bonds - I&P		-	-	-	-	-	-	-	-
Annexation		-	-	-	-	-	-	-	-
Total Revenue Offsets		411,453	-	411,453	-	-	-	-	411,453
NET REVENUE REQUIREMENTS:		42,192,983	-	42,192,983	-	-	-	-	42,192,983

Direct Labor used for A&G Allocation
Allocation of Revenue Requirements: Source Of Supply, CRA
Fiscal Year Ending 2019

			Allocation Percentages							
				Fixed			Variable			
		Functionalization	Demand	Commodity	Standby	Commodity	Other	Hydroelectric	Total	
Departmental O&M										
Group	***Item***									
Office of General Manager		90,577	-	90,577	-	-	-	-	90,577	-
Office of General Manager	Board of Directors	-	-	-	-	-	-	-	-	-
Office of General Manager	Bay Delta Initiatives	-	-	-	-	-	-	-	-	-
External Affairs	Legislative Services	-	-	-	-	-	-	-	-	-
External Affairs	Media Communications Services	-	-	-	-	-	-	-	-	-
External Affairs	Manager, External Affairs/Special Projects	-	-	-	-	-	-	-	-	-
External Affairs	Conservation & Community Services	-	-	-	-	-	-	-	-	-
Human Resources		196,922	-	196,922	-	-	-	-	196,922	-
Water Systems Operations	Office of the Manager	55,346	-	55,346	-	-	-	-	55,346	-
Water Systems Operations	Office of the Manager, Conveyance & Distribution Sec	-	-	-	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Treatment Section	-	-	-	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Operations Support Services	39,324	-	39,324	-	-	-	-	39,324	-
Water Systems Operations	Operations Support Services	-	-	-	-	-	-	-	-	-
Water Systems Operations	Desert Region / C&D CRA	-	-	-	-	-	-	-	-	-
Water Systems Operations	System Operations Unit	-	-	-	-	-	-	-	-	-
Water Systems Operations	Power Operations and Planning	-	-	-	-	-	-	-	-	-
Water Systems Operations	Operations Planning & Programs Unit	876,306	-	876,306	-	-	-	-	876,306	-
Water Systems Operations	Treatment Jensen	-	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Diemer	-	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Mills	-	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Skinner	-	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Weymouth	-	-	-	-	-	-	-	-	-
Water Systems Operations	Water Quality Section	2,505,188	-	2,505,188	-	-	-	-	2,505,188	-
Water Systems Operations	C&D, Eastern Unit	-	-	-	-	-	-	-	-	-
Water Systems Operations	C&D, Western Unit	-	-	-	-	-	-	-	-	-
Water Systems Operations	OSS, Manufacturing Services Unit	-	-	-	-	-	-	-	-	-
Water Systems Operations	Environmental Health & Safety Section	-	-	-	-	-	-	-	-	-
Water Systems Operations	OSS, Fleet Services Unit	-	-	-	-	-	-	-	-	-
Water Systems Operations	OSS, Power Support Unit	-	-	-	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Operations & Planning Section	7,147	-	7,147	-	-	-	-	7,147	-
Water Systems Operations	Security Team & Security Management	-	-	-	-	-	-	-	-	-
Office of the Chief Financial Officer		-	-	-	-	-	-	-	-	-
Business Technology	Office of Manager	-	-	-	-	-	-	-	-	-
Engineering Services		-	-	-	-	-	-	-	-	-
Business Technology	Administrative Services	-	-	-	-	-	-	-	-	-
Business Technology	Information Technology	562,063	-	562,063	-	-	-	-	562,063	-
Water Resources Management	Resource Planning & Development	-	-	-	-	-	-	-	-	-
Water Resources Management	Resource Implementation	2,014,793	-	2,014,793	-	-	-	-	2,014,793	-
Water Resources Management	Office of the Group Manager	509,108	-	509,108	-	-	-	-	509,108	-
Ethics Office		-	-	-	-	-	-	-	-	-
Real Property		228,251	-	228,251	-	-	-	-	228,251	-
General Counsel		-	-	-	-	-	-	-	-	-
General Auditor		-	-	-	-	-	-	-	-	-
Total Departmental O&M	-	7,085,024	-	7,085,024	-	-	-	-	7,085,024	-

Allocation Percentages: Source Of Supply, SWP
Fiscal Year Ending 2019

		Functionalization	Allocation Percentages						% Total
			Fixed			Variable Commodity	Other	Hydroelectric	
			Demand	Commodity	Standby				
Departmental O&M									
Group	***Item***								
Office of General Manager		113,562	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Office of General Manager	Board of Directors	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Office of General Manager	Bay Delta Initiatives	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
External Affairs	Legislative Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
External Affairs	Media Communications Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
External Affairs	Manager, External Affairs/Special Projects	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
External Affairs	Conservation & Community Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Human Resources		280,232	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager	93,084	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager, Conveyance & Distribution Section	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager, Treatment Section	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager, Operations Support Services	44,540	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Operations Support Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Desert Region / C&D CRA	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	System Operations Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Power Operations and Planning	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Operations Planning & Programs Unit	881,508	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Jensen	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Diemer	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Mills	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Skinner	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Weymouth	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Water Quality Section	3,068,421	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	C&D, Eastern Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	C&D, Western Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	OSS, Manufacturing Services Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Environmental Health & Safety Section	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	OSS, Fleet Services Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	OSS, Power Support Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager, Operations & Planning Section	7,070	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Security Team & Security Management	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Office of the Chief Financial Officer		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Business Technology	Office of Manager	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Engineering Services		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Business Technology	Administrative Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Business Technology	Information Technology	862,987	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Resources Management	Resource Planning & Development	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Resources Management	Resource Implementation	4,256,974	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Resources Management	Office of the Group Manager	615,906	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Ethics Office		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Real Property		912,247	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
General Counsel		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
General Auditor		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Total Departmental O&M		11,136,530	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
GENERAL DISTRICT REQUIREMENTS									
State Water Project									
Supply - O&M		91,637,319	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Supply - Capital		38,113,213	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Power - O&M & Off-Aq Capital		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Power - Capital (less Off-Aq)		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Transmission - Capital - Commodity, Demand, & Standby		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Transmission - O&M - Commodity only		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
CA WaterFix - Capital		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Total State Water Project		129,750,532	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Colorado River Aqueduct Power Costs		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Supply Programs		26,923,566	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Demand Management Programs		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Local Resources Program		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Future Supply Actions		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Conservation Credits Program		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Total Demand Management Programs		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Capital Financing Program		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Revenue Bond Debt Service net of BABs Interest Subsidy Payment		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
G.O. Bond Debt Service		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Debt Administration & State Revolving Funds		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Bond Defeasance		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
PAYGO		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Total Capital Financing Program		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Other Operating Costs									
Operating Equipment		206,509	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
OPEB\PERS Pre-Funding		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Total Other Operating Costs		206,509	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Increase/(Decrease) in Required Reserves		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Total General District Requirements		156,880,607	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
REQUIREMENTS BEFORE OFFSETS:		168,017,137	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Revenue Offsets									
Taxes - MWD Portion of SWP GO Debt Service		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Taxes - MWD GO Debt Service		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Interest on Investments		1,622,627	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Hydro-Power Revenue		-	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	100.0%
CRA Power Revenue		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Wadsworth Pumping Plant (DVL) Power Revenue (cost in dept)		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Misc. allocated to A&G (Lease, Late Fees, etc.)		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Misc. allocated to supply (PVID Lease, CVWD Revenues)		9,075,650	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Taxes - additional from fixed tax rate		24,199,495	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Revenue Reserve used for Revenue Bonds - I&P		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Annexation		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Total Revenue Offsets		34,897,772	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
NET REVENUE REQUIREMENTS:	-	133,119,365	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

Allocation of Revenue Requirements: Source Of Supply, SWP
Fiscal Year Ending 2019

		Functionalization	Allocation Percentages						Total
			Fixed			Variable Commodity	Other	Hydroelectric	
			Demand	Commodity	Standby				
Departmental O&M									
Group	***Item***								
Office of General Manager		113,562	-	113,562	-	-	-	-	113,562
Office of General Manager	Board of Directors	-	-	-	-	-	-	-	-
Office of General Manager	Bay Delta Initiatives	-	-	-	-	-	-	-	-
External Affairs	Legislative Services	-	-	-	-	-	-	-	-
External Affairs	Media Communications Services	-	-	-	-	-	-	-	-
External Affairs	Manager, External Affairs/Special Projects	-	-	-	-	-	-	-	-
External Affairs	Conservation & Community Services	-	-	-	-	-	-	-	-
Human Resources		280,232	-	280,232	-	-	-	-	280,232
Water Systems Operations	Office of the Manager	93,084	-	93,084	-	-	-	-	93,084
Water Systems Operations	Office of the Manager, Conveyance & Distribution S	-	-	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Treatment Section	-	-	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Operations Support Service	44,540	-	44,540	-	-	-	-	44,540
Water Systems Operations	Operations Support Services	-	-	-	-	-	-	-	-
Water Systems Operations	Desert Region / C&D CRA	-	-	-	-	-	-	-	-
Water Systems Operations	System Operations Unit	-	-	-	-	-	-	-	-
Water Systems Operations	Power Operations and Planning	-	-	-	-	-	-	-	-
Water Systems Operations	Operations Planning & Programs Unit	881,508	-	881,508	-	-	-	-	881,508
Water Systems Operations	Treatment Jensen	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Diemer	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Mills	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Skinner	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Weymouth	-	-	-	-	-	-	-	-
Water Systems Operations	Water Quality Section	3,068,421	-	3,068,421	-	-	-	-	3,068,421
Water Systems Operations	C&D, Eastern Unit	-	-	-	-	-	-	-	-
Water Systems Operations	C&D, Western Unit	-	-	-	-	-	-	-	-
Water Systems Operations	OSS, Manufacturing Services Unit	-	-	-	-	-	-	-	-
Water Systems Operations	Environmental Health & Safety Section	-	-	-	-	-	-	-	-
Water Systems Operations	OSS, Fleet Services Unit	-	-	-	-	-	-	-	-
Water Systems Operations	OSS, Power Support Unit	-	-	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Operations & Planning Secti	7,070	-	7,070	-	-	-	-	7,070
Water Systems Operations	Security Team & Security Management	-	-	-	-	-	-	-	-
Office of the Chief Financial O		-	-	-	-	-	-	-	-
Business Technology	Office of Manager	-	-	-	-	-	-	-	-
Engineering Services		-	-	-	-	-	-	-	-
Business Technology	Administrative Services	-	-	-	-	-	-	-	-
Business Technology	Information Technology	862,987	-	862,987	-	-	-	-	862,987
Water Resources Managemen	Resource Planning & Development	-	-	-	-	-	-	-	-
Water Resources Managemen	Resource Implementation	4,256,974	-	4,256,974	-	-	-	-	4,256,974
Water Resources Managemen	Office of the Group Manager	615,906	-	615,906	-	-	-	-	615,906
Ethics Office		-	-	-	-	-	-	-	-
Real Property		912,247	-	912,247	-	-	-	-	912,247
General Counsel		-	-	-	-	-	-	-	-
General Auditor		-	-	-	-	-	-	-	-
Total Departmental O&M	-	11,136,530	-	11,136,530	-	-	-	-	11,136,530
		-							-
GENERAL DISTRICT REQUIREMENTS		-	-	-	-	-	-	-	-
		-							-
State Water Project		-	-	-	-	-	-	-	-
Supply - O&M		91,637,319	-	91,637,319	-	-	-	-	91,637,319
Supply - Capital		38,113,213	-	38,113,213	-	-	-	-	38,113,213
Power - O&M & Off-Aq Capital		-	-	-	-	-	-	-	-
Power - Capital (less Off-Aq)		-	-	-	-	-	-	-	-
Transmission - Capital - Commodity, Demand, & Standby		-	-	-	-	-	-	-	-
Transmission - O&M - Commodity only		-	-	-	-	-	-	-	-
CA WaterFix - Capital		-	-	-	-	-	-	-	-
Total State Water Project		129,750,532	-	129,750,532	-	-	-	-	129,750,532
		-							-
Colorado River Aqueduct Power Costs		-	-	-	-	-	-	-	-
		-							-
Supply Programs		26,923,566	-	26,923,566	-	-	-	-	26,923,566
									-
Demand Management Programs		-	-	-	-	-	-	-	-
Local Resources Program		-	-	-	-	-	-	-	-
Future Supply Actions		-	-	-	-	-	-	-	-
Conservation Credits Program		-	-	-	-	-	-	-	-
Total Demand Management Programs		-	-	-	-	-	-	-	-
Capital Financing Program		-	-	-	-	-	-	-	-
Revenue Bond Debt Service net of BABs Interest Subsidy Payment		-	-	-	-	-	-	-	-
G.O. Bond Debt Service		-	-	-	-	-	-	-	-
Debt Administration & State Revolving Funds		-	-	-	-	-	-	-	-
Bond Defeasance		-	-	-	-	-	-	-	-
PAYGO		-	-	-	-	-	-	-	-
Total Capital Financing Program		-	-	-	-	-	-	-	-
Other Operating Costs		-	-	-	-	-	-	-	-
Operating Equipment		206,509	-	206,509	-	-	-	-	206,509
OPEB\PERS Pre-Funding		-	-	-	-	-	-	-	-
Total Other Operating Costs		206,509	-	206,509	-	-	-	-	206,509
Increase/(Decrease) in Required Reserves		-	-	-	-	-	-	-	-
Total General District Requirements		156,880,607	-	156,880,607	-	-	-	-	156,880,607
REQUIREMENTS BEFORE OFFSETS:		168,017,137	-	168,017,137	-	-	-	-	168,017,137
Revenue Offsets									
Taxes - MWD Portion of SWP GO Debt Service		-	-	-	-	-	-	-	-
Taxes - MWD GO Debt Service		-	-	-	-	-	-	-	-
Interest on Investments		1,622,627	-	1,622,627	-	-	-	-	1,622,627
Hydro-Power Revenue		-	-	-	-	-	-	-	-
CRA Power Revenue		-	-	-	-	-	-	-	-
Wadsworth Pumping Plant (DVL) Power Revenue (cost in dept)		-	-	-	-	-	-	-	-
Misc. allocated to A&G (Lease, Late Fees, etc.)		-	-	-	-	-	-	-	-
Misc. allocated to supply (PVID Lease, CVWD Revenues)		9,075,650	-	9,075,650	-	-	-	-	9,075,650
Taxes - additional from fixed tax rate		24,199,495	-	24,199,495	-	-	-	-	24,199,495
Revenue Reserve used for Revenue Bonds - I&P		-	-	-	-	-	-	-	-
Annexation		-	-	-	-	-	-	-	-
Total Revenue Offsets		34,897,772	-	34,897,772	-	-	-	-	34,897,772
NET REVENUE REQUIREMENTS:		133,119,365	-	133,119,365	-	-	-	-	133,119,365

Direct Labor used for A&G Allocation
Allocation of Revenue Requirements: Source Of Supply, SWP
Fiscal Year Ending 2019

		Functionalization	Allocation Percentages						Total
			Fixed			Variable Commodity	Other	Hydroelectric	
			Demand	Commodity	Standby				
Departmental O&M									
Group	***Item***								
Office of General Manager		103,164	-	103,164	-	-	-	-	103,164
Office of General Manager	Board of Directors	-	-	-	-	-	-	-	-
Office of General Manager	Bay Delta Initiatives	-	-	-	-	-	-	-	-
External Affairs	Legislative Services	-	-	-	-	-	-	-	-
External Affairs	Media Communications Services	-	-	-	-	-	-	-	-
External Affairs	Manager, External Affairs/Special Projects	-	-	-	-	-	-	-	-
External Affairs	Conservation & Community Services	-	-	-	-	-	-	-	-
Human Resources		224,286	-	224,286	-	-	-	-	224,286
Water Systems Operations	Office of the Manager	55,346	-	55,346	-	-	-	-	55,346
Water Systems Operations	Office of the Manager, Conveyance & Distribution Section	-	-	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Treatment Section	-	-	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Operations Support Services	39,324	-	39,324	-	-	-	-	39,324
Water Systems Operations	Operations Support Services	-	-	-	-	-	-	-	-
Water Systems Operations	Desert Region / C&D CRA	-	-	-	-	-	-	-	-
Water Systems Operations	System Operations Unit	-	-	-	-	-	-	-	-
Water Systems Operations	Power Operations and Planning	-	-	-	-	-	-	-	-
Water Systems Operations	Operations Planning & Programs Unit	876,306	-	876,306	-	-	-	-	876,306
Water Systems Operations	Treatment Jensen	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Diemer	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Mills	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Skinner	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Weymouth	-	-	-	-	-	-	-	-
Water Systems Operations	Water Quality Section	2,505,188	-	2,505,188	-	-	-	-	2,505,188
Water Systems Operations	C&D, Eastern Unit	-	-	-	-	-	-	-	-
Water Systems Operations	C&D, Western Unit	-	-	-	-	-	-	-	-
Water Systems Operations	OSS, Manufacturing Services Unit	-	-	-	-	-	-	-	-
Water Systems Operations	Environmental Health & Safety Section	-	-	-	-	-	-	-	-
Water Systems Operations	OSS, Fleet Services Unit	-	-	-	-	-	-	-	-
Water Systems Operations	OSS, Power Support Unit	-	-	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Operations & Planning Section	7,147	-	7,147	-	-	-	-	7,147
Water Systems Operations	Security Team & Security Management	-	-	-	-	-	-	-	-
Office of the Chief Financial O		-	-	-	-	-	-	-	-
Business Technology	Office of Manager	-	-	-	-	-	-	-	-
Engineering Services		-	-	-	-	-	-	-	-
Business Technology	Administrative Services	-	-	-	-	-	-	-	-
Business Technology	Information Technology	640,167	-	640,167	-	-	-	-	640,167
Water Resources Managemen	Resource Planning & Development	-	-	-	-	-	-	-	-
Water Resources Managemen	Resource Implementation	2,423,196	-	2,423,196	-	-	-	-	2,423,196
Water Resources Managemen	Office of the Group Manager	612,305	-	612,305	-	-	-	-	612,305
Ethics Office		-	-	-	-	-	-	-	-
Real Property		394,252	-	394,252	-	-	-	-	394,252
General Counsel		-	-	-	-	-	-	-	-
General Auditor		-	-	-	-	-	-	-	-
Total Departmental O&M	-	7,880,680	-	7,880,680	-	-	-	-	7,880,680

Allocation Percentages: Source Of Supply - Other Supply
Fiscal Year Ending 2019

		Functionalization	Allocation Percentages						% Total
			Fixed			Variable	Other	Hydroelectric	
			Demand	Commodity	Standby	Commodity			
Departmental O&M									
Group	***Item***								
Office of General Manager		122,785	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Office of General Manager	Board of Directors	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Office of General Manager	Bay Delta Initiatives	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
External Affairs	Legislative Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
External Affairs	Media Communications Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
External Affairs	Manager, External Affairs/Special Projects	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
External Affairs	Conservation & Community Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Human Resources		302,992	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager	95,321	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager, Conveyance & Distribution Section	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager, Treatment Section	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager, Operations Support Services	45,610	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Operations Support Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Desert Region / C&D CRA	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	System Operations Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Power Operations and Planning	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Operations Planning & Programs Unit	881,508	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Jensen	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Diemer	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Mills	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Skinner	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Weymouth	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Water Quality Section	3,068,421	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	C&D, Eastern Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	C&D, Western Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	OSS, Manufacturing Services Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Environmental Health & Safety Section	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	OSS, Fleet Services Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	OSS, Power Support Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager, Operations & Planning Section	7,240	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Security Team & Security Management	420,931	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Office of the Chief Financial Officer		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Business Technology	Office of Manager	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Engineering Services		1,486,030	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Business Technology	Administrative Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Business Technology	Information Technology	933,079	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Resources Management	Resource Planning & Development	2,698,855	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Resources Management	Resource Implementation	1,387,104	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Resources Management	Office of the Group Manager	591,163	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Ethics Office		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Real Property		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
General Counsel		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
General Auditor		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Total Departmental O&M		12,041,041	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
GENERAL DISTRICT REQUIREMENTS									
State Water Project									
Supply - O&M		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Supply - Capital		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Power - O&M & Off-Aq Capital		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Power - Capital (less Off-Aq)		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Transmission - Capital - Commodity, Demand, & Standby		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Transmission - O&M - Commodity only		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
CA WaterFix - Capital		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Total State Water Project		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Colorado River Aqueduct Power Costs		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Supply Programs		1,599,541	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Demand Management Programs		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Local Resources Program		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Future Supply Actions		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Conservation Credits Program		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Total Demand Management Programs		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Capital Financing Program		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Revenue Bond Debt Service net of BABs Interest Subsidy Payment		12,537,349	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
G.O. Bond Debt Service		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Debt Administration & State Revolving Funds		261,677	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Bond Defeasance		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
PAYGO		4,836,000	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Total Capital Financing Program		17,635,026	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Other Operating Costs									
Operating Equipment		255,933	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
OPEB\PERS Pre-Funding		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Total Other Operating Costs		255,933	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Increase/(Decrease) in Required Reserves		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Total General District Requirements		19,490,499	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
REQUIREMENTS BEFORE OFFSETS:		31,531,540	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Revenue Offsets									
Taxes - MWD Portion of SWP GO Debt Service		-	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Taxes - MWD GO Debt Service		-	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Interest on Investments		304,516	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Hydro-Power Revenue		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
CRA Power Revenue		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Wadsworth Pumping Plant (DVL) Power Revenue (cost in dept)		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Misc. allocated to A&G (Lease, Late Fees, etc.)		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Misc. allocated to supply (PVID Lease, CVWD Revenues)		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Taxes - additional from fixed tax rate		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Revenue Reserve used for Revenue Bonds - I&P		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Annexation		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Total Revenue Offsets		304,516	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
NET REVENUE REQUIREMENTS:	-	31,227,024	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

Allocation of Revenue Requirements: Source Of Supply - Other Supply
Fiscal Year Ending 2019

		Functionalization	Allocation Percentages						Total
			Fixed			Variable Commodity	Other	Hydroelectric	
			Demand	Commodity	Standby				
Departmental O&M									
Group	***Item***								
Office of General Manager		122,785	-	122,785	-	-	-	-	122,785
Office of General Manager	Board of Directors	-	-	-	-	-	-	-	-
Office of General Manager	Bay Delta Initiatives	-	-	-	-	-	-	-	-
External Affairs	Legislative Services	-	-	-	-	-	-	-	-
External Affairs	Media Communications Services	-	-	-	-	-	-	-	-
External Affairs	Manager, External Affairs/Special Projects	-	-	-	-	-	-	-	-
External Affairs	Conservation & Community Services	-	-	-	-	-	-	-	-
Human Resources		302,992	-	302,992	-	-	-	-	302,992
Water Systems Operations	Office of the Manager	95,321	-	95,321	-	-	-	-	95,321
Water Systems Operations	Office of the Manager, Conveyance & Distribution S	-	-	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Treatment Section	-	-	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Operations Support Service	45,610	-	45,610	-	-	-	-	45,610
Water Systems Operations	Operations Support Services	-	-	-	-	-	-	-	-
Water Systems Operations	Desert Region / C&D CRA	-	-	-	-	-	-	-	-
Water Systems Operations	System Operations Unit	-	-	-	-	-	-	-	-
Water Systems Operations	Power Operations and Planning	-	-	-	-	-	-	-	-
Water Systems Operations	Operations Planning & Programs Unit	881,508	-	881,508	-	-	-	-	881,508
Water Systems Operations	Treatment Jensen	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Diemer	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Mills	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Skinner	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Weymouth	-	-	-	-	-	-	-	-
Water Systems Operations	Water Quality Section	3,068,421	-	3,068,421	-	-	-	-	3,068,421
Water Systems Operations	C&D, Eastern Unit	-	-	-	-	-	-	-	-
Water Systems Operations	C&D, Western Unit	-	-	-	-	-	-	-	-
Water Systems Operations	OSS, Manufacturing Services Unit	-	-	-	-	-	-	-	-
Water Systems Operations	Environmental Health & Safety Section	-	-	-	-	-	-	-	-
Water Systems Operations	OSS, Fleet Services Unit	-	-	-	-	-	-	-	-
Water Systems Operations	OSS, Power Support Unit	-	-	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Operations & Planning Secti	7,240	-	7,240	-	-	-	-	7,240
Water Systems Operations	Security Team & Security Management	420,931	-	420,931	-	-	-	-	420,931
Office of the Chief Financial O		-	-	-	-	-	-	-	-
Business Technology	Office of Manager	-	-	-	-	-	-	-	-
Engineering Services		1,486,030	-	1,486,030	-	-	-	-	1,486,030
Business Technology	Administrative Services	-	-	-	-	-	-	-	-
Business Technology	Information Technology	933,079	-	933,079	-	-	-	-	933,079
Water Resources Managemen	Resource Planning & Development	2,698,855	-	2,698,855	-	-	-	-	2,698,855
Water Resources Managemen	Resource Implementation	1,387,104	-	1,387,104	-	-	-	-	1,387,104
Water Resources Managemen	Office of the Group Manager	591,163	-	591,163	-	-	-	-	591,163
Ethics Office		-	-	-	-	-	-	-	-
Real Property		-	-	-	-	-	-	-	-
General Counsel		-	-	-	-	-	-	-	-
General Auditor		-	-	-	-	-	-	-	-
Total Departmental O&M	-	12,041,041	-	12,041,041	-	-	-	-	12,041,041
		-							-
GENERAL DISTRICT REQUIREMENTS		-	-	-	-	-	-	-	-
		-							-
State Water Project		-	-	-	-	-	-	-	-
Supply - O&M		-	-	-	-	-	-	-	-
Supply - Capital		-	-	-	-	-	-	-	-
Power - O&M & Off-Aq Capital		-	-	-	-	-	-	-	-
Power - Capital (less Off-Aq)		-	-	-	-	-	-	-	-
Transmission - Capital - Commodity, Demand, & Standby		-	-	-	-	-	-	-	-
Transmission - O&M - Commodity only		-	-	-	-	-	-	-	-
CA WaterFix - Capital		-	-	-	-	-	-	-	-
Total State Water Project		-	-	-	-	-	-	-	-
		-							-
Colorado River Aqueduct Power Costs		-	-	-	-	-	-	-	-
		-							-
Supply Programs		1,599,541	-	1,599,541	-	-	-	-	1,599,541
									-
Demand Management Programs		-	-	-	-	-	-	-	-
Local Resources Program		-	-	-	-	-	-	-	-
Future Supply Actions		-	-	-	-	-	-	-	-
Conservation Credits Program		-	-	-	-	-	-	-	-
Total Demand Management Programs		-	-	-	-	-	-	-	-
Capital Financing Program		-	-	-	-	-	-	-	-
Revenue Bond Debt Service net of BABs Interest Subsidy Payment		12,537,349	-	12,537,349	-	-	-	-	12,537,349
G.O. Bond Debt Service		-	-	-	-	-	-	-	-
Debt Administration & State Revolving Funds		261,677	-	261,677	-	-	-	-	261,677
Bond Defeasance		-	-	-	-	-	-	-	-
PAYGO		4,836,000	-	4,836,000	-	-	-	-	4,836,000
Total Capital Financing Program		17,635,026	-	17,635,026	-	-	-	-	17,635,026
Other Operating Costs		-	-	-	-	-	-	-	-
Operating Equipment		255,933	-	255,933	-	-	-	-	255,933
OPEB\PERS Pre-Funding		-	-	-	-	-	-	-	-
Total Other Operating Costs		255,933	-	255,933	-	-	-	-	255,933
Increase/(Decrease) in Required Reserves		-	-	-	-	-	-	-	-
Total General District Requirements		19,490,499	-	19,490,499	-	-	-	-	19,490,499
REQUIREMENTS BEFORE OFFSETS:		31,531,540	-	31,531,540	-	-	-	-	31,531,540
Revenue Offsets									
Taxes - MWD Portion of SWP GO Debt Service		-	-	-	-	-	-	-	-
Taxes - MWD GO Debt Service		-	-	-	-	-	-	-	-
Interest on Investments		304,516	-	304,516	-	-	-	-	304,516
Hydro-Power Revenue		-	-	-	-	-	-	-	-
CRA Power Revenue		-	-	-	-	-	-	-	-
Wadsworth Pumping Plant (DVL) Power Revenue (cost in dept)		-	-	-	-	-	-	-	-
Misc. allocated to A&G (Lease, Late Fees, etc.)		-	-	-	-	-	-	-	-
Misc. allocated to supply (PVID Lease, CVWD Revenues)		-	-	-	-	-	-	-	-
Taxes - additional from fixed tax rate		-	-	-	-	-	-	-	-
Revenue Reserve used for Revenue Bonds - I&P		-	-	-	-	-	-	-	-
Annexation		-	-	-	-	-	-	-	-
Total Revenue Offsets		304,516	-	304,516	-	-	-	-	304,516
NET REVENUE REQUIREMENTS:		31,227,024	-	31,227,024	-	-	-	-	31,227,024

Direct Labor used for A&G Allocation
Allocation of Revenue Requirements: Source Of Supply - Other Supply
Fiscal Year Ending 2019

		Functionalization	Allocation Percentages						Total
			Fixed			Variable Commodity	Other	Hydroelectric	
			Demand	Commodity	Standby				
Departmental O&M									
Group	***Item***								
Office of General Manager		111,543	-	111,543	-	-	-	-	111,543
Office of General Manager	Board of Directors	-	-	-	-	-	-	-	-
Office of General Manager	Bay Delta Initiatives	-	-	-	-	-	-	-	-
External Affairs	Legislative Services	-	-	-	-	-	-	-	-
External Affairs	Media Communications Services	-	-	-	-	-	-	-	-
External Affairs	Manager, External Affairs/Special Projects	-	-	-	-	-	-	-	-
External Affairs	Conservation & Community Services	-	-	-	-	-	-	-	-
Human Resources		242,502	-	242,502	-	-	-	-	242,502
Water Systems Operations	Office of the Manager	56,676	-	56,676	-	-	-	-	56,676
Water Systems Operations	Office of the Manager, Conveyance & Distribution Section	-	-	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Treatment Section	-	-	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Operations Support Services	40,269	-	40,269	-	-	-	-	40,269
Water Systems Operations	Operations Support Services	-	-	-	-	-	-	-	-
Water Systems Operations	Desert Region / C&D CRA	-	-	-	-	-	-	-	-
Water Systems Operations	System Operations Unit	-	-	-	-	-	-	-	-
Water Systems Operations	Power Operations and Planning	-	-	-	-	-	-	-	-
Water Systems Operations	Operations Planning & Programs Unit	876,306	-	876,306	-	-	-	-	876,306
Water Systems Operations	Treatment Jensen	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Diemer	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Mills	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Skinner	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Weymouth	-	-	-	-	-	-	-	-
Water Systems Operations	Water Quality Section	2,505,188	-	2,505,188	-	-	-	-	2,505,188
Water Systems Operations	C&D, Eastern Unit	-	-	-	-	-	-	-	-
Water Systems Operations	C&D, Western Unit	-	-	-	-	-	-	-	-
Water Systems Operations	OSS, Manufacturing Services Unit	-	-	-	-	-	-	-	-
Water Systems Operations	Environmental Health & Safety Section	-	-	-	-	-	-	-	-
Water Systems Operations	OSS, Fleet Services Unit	-	-	-	-	-	-	-	-
Water Systems Operations	OSS, Power Support Unit	-	-	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Operations & Planning Section	7,319	-	7,319	-	-	-	-	7,319
Water Systems Operations	Security Team & Security Management	81,271	-	81,271	-	-	-	-	81,271
Office of the Chief Financial Of		-	-	-	-	-	-	-	-
Business Technology	Office of Manager	-	-	-	-	-	-	-	-
Engineering Services		1,300,170	-	1,300,170	-	-	-	-	1,300,170
Business Technology	Administrative Services	-	-	-	-	-	-	-	-
Business Technology	Information Technology	692,161	-	692,161	-	-	-	-	692,161
Water Resources Managemen	Resource Planning & Development	2,476,042	-	2,476,042	-	-	-	-	2,476,042
Water Resources Managemen	Resource Implementation	789,581	-	789,581	-	-	-	-	789,581
Water Resources Managemen	Office of the Group Manager	587,707	-	587,707	-	-	-	-	587,707
Ethics Office		-	-	-	-	-	-	-	-
Real Property		-	-	-	-	-	-	-	-
General Counsel		-	-	-	-	-	-	-	-
General Auditor		-	-	-	-	-	-	-	-
Total Departmental O&M	-	9,766,734	-	9,766,734	-	-	-	-	9,766,734

Allocation Percentages: C&A, CRA Power
Fiscal Year Ending 2019

		Functionalization	Allocation Percentages						% Total
			Fixed			Variable	Other	Hydroelectric	
			Demand	Commodity	Standby	Commodity			
Departmental O&M									
Group	***Item***								
Office of General Manager		47,926	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Office of General Manager	Board of Directors	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Office of General Manager	Bay Delta Initiatives	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
External Affairs	Legislative Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
External Affairs	Media Communications Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
External Affairs	Manager, External Affairs/Special Projects	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
External Affairs	Conservation & Community Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Human Resources		118,266	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager	85,436	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager, Conveyance & Distribution Section	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager, Treatment Section	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager, Operations Support Services	40,880	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Operations Support Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Desert Region / C&D CRA	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	System Operations Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Power Operations and Planning	3,158,556	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Operations Planning & Programs Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Jensen	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Diemer	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Mills	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Skinner	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Weymouth	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Water Quality Section	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	C&D, Eastern Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	C&D, Western Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	OSS, Manufacturing Services Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Environmental Health & Safety Section	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	OSS, Fleet Services Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	OSS, Power Support Unit	173,134	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager, Operations & Planning Section	6,489	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Security Team & Security Management	155,630	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Office of the Chief Financial Officer		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Business Technology	Office of Manager	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Engineering Services		549,426	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Business Technology	Administrative Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Business Technology	Information Technology	364,207	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Resources Management	Resource Planning & Development	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Resources Management	Resource Implementation	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Resources Management	Office of the Group Manager	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Ethics Office		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Real Property		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
General Counsel		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
General Auditor		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Total Departmental O&M		4,699,950	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
GENERAL DISTRICT REQUIREMENTS									
State Water Project									
Supply - O&M		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Supply - Capital		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Power - O&M & Off-Aq Capital		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Power - Capital (less Off-Aq)		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Transmission - Capital - Commodity, Demand, & Standby		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Transmission - O&M - Commodity only		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
CA WaterFix - Capital		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Total State Water Project		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Colorado River Aqueduct Power Costs		45,836,144	0.0%	0.0%	0.0%	100.0%	0.0%	0.0%	100.0%
Supply Programs		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Demand Management Programs		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Local Resources Program		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Future Supply Actions		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Conservation Credits Program		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Total Demand Management Programs		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Capital Financing Program		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Revenue Bond Debt Service net of BABs Interest Subsidy Payment		4,635,397	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
G.O. Bond Debt Service		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Debt Administration & State Revolving Funds		96,749	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Bond Defeasance		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
PAYGO		1,788,000	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Total Capital Financing Program		6,520,146	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Other Operating Costs									
Operating Equipment		107,077	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
OPEB\PERS Pre-Funding		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Total Other Operating Costs		107,077	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Increase/(Decrease) in Required Reserves		-	0.0%	12.6%	0.0%	87.4%	0.0%	0.0%	100.0%
Total General District Requirements		52,463,366	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
REQUIREMENTS BEFORE OFFSETS:		57,163,317	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Revenue Offsets									
Taxes - MWD Portion of SWP GO Debt Service		-	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Taxes - MWD GO Debt Service		-	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Interest on Investments		552,055	0.0%	0.0%	0.0%	100.0%	0.0%	0.0%	100.0%
Hydro-Power Revenue		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
CRA Power Revenue		5,971,835	0.0%	0.0%	0.0%	100.0%	0.0%	0.0%	100.0%
Wadsworth Pumping Plant (DVL) Power Revenue (cost in dept)		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Misc. allocated to A&G (Lease, Late Fees, etc.)		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Misc. allocated to supply (PVID Lease, CVWD Revenues)		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Taxes - additional from fixed tax rate		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Revenue Reserve used for Revenue Bonds - I&P		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Annexation		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Total Revenue Offsets		6,523,890	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
NET REVENUE REQUIREMENTS:	-	50,639,427	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

Allocation of Revenue Requirements: C&A, CRA Power
Fiscal Year Ending 2019

		Functionalization	Allocation Percentages						Total
			Fixed			Variable Commodity	Other	Hydroelectric	
			Demand	Commodity	Standby				
Departmental O&M									
Group	***Item***								
Office of General Manager		47,926	-	47,926	-	-	-	-	47,926
Office of General Manager	Board of Directors	-	-	-	-	-	-	-	-
Office of General Manager	Bay Delta Initiatives	-	-	-	-	-	-	-	-
External Affairs	Legislative Services	-	-	-	-	-	-	-	-
External Affairs	Media Communications Services	-	-	-	-	-	-	-	-
External Affairs	Manager, External Affairs/Special Projects	-	-	-	-	-	-	-	-
External Affairs	Conservation & Community Services	-	-	-	-	-	-	-	-
Human Resources		118,266	-	118,266	-	-	-	-	118,266
Water Systems Operations	Office of the Manager	85,436	-	85,436	-	-	-	-	85,436
Water Systems Operations	Office of the Manager, Conveyance & Distribution S	-	-	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Treatment Section	-	-	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Operations Support Service	40,880	-	40,880	-	-	-	-	40,880
Water Systems Operations	Operations Support Services	-	-	-	-	-	-	-	-
Water Systems Operations	Desert Region / C&D CRA	-	-	-	-	-	-	-	-
Water Systems Operations	System Operations Unit	-	-	-	-	-	-	-	-
Water Systems Operations	Power Operations and Planning	3,158,556	-	3,158,556	-	-	-	-	3,158,556
Water Systems Operations	Operations Planning & Programs Unit	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Jensen	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Diemer	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Mills	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Skinner	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Weymouth	-	-	-	-	-	-	-	-
Water Systems Operations	Water Quality Section	-	-	-	-	-	-	-	-
Water Systems Operations	C&D, Eastern Unit	-	-	-	-	-	-	-	-
Water Systems Operations	C&D, Western Unit	-	-	-	-	-	-	-	-
Water Systems Operations	OSS, Manufacturing Services Unit	-	-	-	-	-	-	-	-
Water Systems Operations	Environmental Health & Safety Section	-	-	-	-	-	-	-	-
Water Systems Operations	OSS, Fleet Services Unit	-	-	-	-	-	-	-	-
Water Systems Operations	OSS, Power Support Unit	173,134	-	173,134	-	-	-	-	173,134
Water Systems Operations	Office of the Manager, Operations & Planning Secti	6,489	-	6,489	-	-	-	-	6,489
Water Systems Operations	Security Team & Security Management	155,630	-	155,630	-	-	-	-	155,630
Office of the Chief Financial O		-	-	-	-	-	-	-	-
Business Technology	Office of Manager	-	-	-	-	-	-	-	-
Engineering Services		549,426	-	549,426	-	-	-	-	549,426
Business Technology	Administrative Services	-	-	-	-	-	-	-	-
Business Technology	Information Technology	364,207	-	364,207	-	-	-	-	364,207
Water Resources Managemen	Resource Planning & Development	-	-	-	-	-	-	-	-
Water Resources Managemen	Resource Implementation	-	-	-	-	-	-	-	-
Water Resources Managemen	Office of the Group Manager	-	-	-	-	-	-	-	-
Ethics Office		-	-	-	-	-	-	-	-
Real Property		-	-	-	-	-	-	-	-
General Counsel		-	-	-	-	-	-	-	-
General Auditor		-	-	-	-	-	-	-	-
Total Departmental O&M	-	4,699,950	-	4,699,950	-	-	-	-	4,699,950
		-							-
GENERAL DISTRICT REQUIREMENTS		-	-	-	-	-	-	-	-
		-							-
State Water Project		-	-	-	-	-	-	-	-
Supply - O&M		-	-	-	-	-	-	-	-
Supply - Capital		-	-	-	-	-	-	-	-
Power - O&M & Off-Aq Capital		-	-	-	-	-	-	-	-
Power - Capital (less Off-Aq)		-	-	-	-	-	-	-	-
Transmission - Capital - Commodity, Demand, & Standby		-	-	-	-	-	-	-	-
Transmission - O&M - Commodity only		-	-	-	-	-	-	-	-
CA WaterFix - Capital		-	-	-	-	-	-	-	-
Total State Water Project		-	-	-	-	-	-	-	-
		-							-
Colorado River Aqueduct Power Costs		45,836,144	-	-	-	45,836,144	-	-	45,836,144
		-							-
Supply Programs		-	-	-	-	-	-	-	-
									-
Demand Management Programs		-	-	-	-	-	-	-	-
Local Resources Program		-	-	-	-	-	-	-	-
Future Supply Actions		-	-	-	-	-	-	-	-
Conservation Credits Program		-	-	-	-	-	-	-	-
Total Demand Management Programs		-	-	-	-	-	-	-	-
Capital Financing Program		-	-	-	-	-	-	-	-
Revenue Bond Debt Service net of BABs Interest Subsidy Payment		4,635,397	-	4,635,397	-	-	-	-	4,635,397
G.O. Bond Debt Service		-	-	-	-	-	-	-	-
Debt Administration & State Revolving Funds		96,749	-	96,749	-	-	-	-	96,749
Bond Defeasance		-	-	-	-	-	-	-	-
PAYGO		1,788,000	-	1,788,000	-	-	-	-	1,788,000
Total Capital Financing Program		6,520,146	-	6,520,146	-	-	-	-	6,520,146
Other Operating Costs		-	-	-	-	-	-	-	-
Operating Equipment		107,077	-	107,077	-	-	-	-	107,077
OPEB\PERS Pre-Funding		-	-	-	-	-	-	-	-
Total Other Operating Costs		107,077	-	107,077	-	-	-	-	107,077
Increase/(Decrease) in Required Reserves		-	-	-	-	-	-	-	-
Total General District Requirements		52,463,366	-	6,627,223	-	45,836,144	-	-	52,463,366
REQUIREMENTS BEFORE OFFSETS:		57,163,317	-	11,327,173	-	45,836,144	-	-	57,163,317
Revenue Offsets									
Taxes - MWD Portion of SWP GO Debt Service		-	-	-	-	-	-	-	-
Taxes - MWD GO Debt Service		-	-	-	-	-	-	-	-
Interest on Investments		552,055	-	-	-	552,055	-	-	552,055
Hydro-Power Revenue		-	-	-	-	-	-	-	-
CRA Power Revenue		5,971,835	-	-	-	5,971,835	-	-	5,971,835
Wadsworth Pumping Plant (DVL) Power Revenue (cost in dept)		-	-	-	-	-	-	-	-
Misc. allocated to A&G (Lease, Late Fees, etc.)		-	-	-	-	-	-	-	-
Misc. allocated to supply (PVID Lease, CVWD Revenues)		-	-	-	-	-	-	-	-
Taxes - additional from fixed tax rate		-	-	-	-	-	-	-	-
Revenue Reserve used for Revenue Bonds - I&P		-	-	-	-	-	-	-	-
Annexation		-	-	-	-	-	-	-	-
Total Revenue Offsets		6,523,890	-	-	-	6,523,890	-	-	6,523,890
NET REVENUE REQUIREMENTS:		50,639,427	-	11,327,173	-	39,312,253	-	-	50,639,427

Direct Labor used for A&G Allocation
Allocation of Revenue Requirements: C&A, CRA Power
Fiscal Year Ending 2019

		Functionalization	Allocation Percentages						Total
			Fixed			Variable Commodity	Other	Hydroelectric	
			Demand	Commodity	Standby				
Departmental O&M									
Group	***Item***								
Office of General Manager		43,538	-	43,538	-	-	-	-	43,538
Office of General Manager	Board of Directors	-	-	-	-	-	-	-	-
Office of General Manager	Bay Delta Initiatives	-	-	-	-	-	-	-	-
External Affairs	Legislative Services	-	-	-	-	-	-	-	-
External Affairs	Media Communications Services	-	-	-	-	-	-	-	-
External Affairs	Manager, External Affairs/Special Projects	-	-	-	-	-	-	-	-
External Affairs	Conservation & Community Services	-	-	-	-	-	-	-	-
Human Resources		94,655	-	94,655	-	-	-	-	94,655
Water Systems Operations	Office of the Manager	50,799	-	50,799	-	-	-	-	50,799
Water Systems Operations	Office of the Manager, Conveyance & Distribution Section	-	-	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Treatment Section	-	-	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Operations Support Services	36,093	-	36,093	-	-	-	-	36,093
Water Systems Operations	Operations Support Services	-	-	-	-	-	-	-	-
Water Systems Operations	Desert Region / C&D CRA	-	-	-	-	-	-	-	-
Water Systems Operations	System Operations Unit	-	-	-	-	-	-	-	-
Water Systems Operations	Power Operations and Planning	2,918,515	-	2,918,515	-	-	-	-	2,918,515
Water Systems Operations	Operations Planning & Programs Unit	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Jensen	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Diemer	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Mills	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Skinner	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Weymouth	-	-	-	-	-	-	-	-
Water Systems Operations	Water Quality Section	-	-	-	-	-	-	-	-
Water Systems Operations	C&D, Eastern Unit	-	-	-	-	-	-	-	-
Water Systems Operations	C&D, Western Unit	-	-	-	-	-	-	-	-
Water Systems Operations	OSS, Manufacturing Services Unit	-	-	-	-	-	-	-	-
Water Systems Operations	Environmental Health & Safety Section	-	-	-	-	-	-	-	-
Water Systems Operations	OSS, Fleet Services Unit	-	-	-	-	-	-	-	-
Water Systems Operations	OSS, Power Support Unit	155,114	-	155,114	-	-	-	-	155,114
Water Systems Operations	Office of the Manager, Operations & Planning Section	6,560	-	6,560	-	-	-	-	6,560
Water Systems Operations	Security Team & Security Management	30,048	-	30,048	-	-	-	-	30,048
Office of the Chief Financial Of		-	-	-	-	-	-	-	-
Business Technology	Office of Manager	-	-	-	-	-	-	-	-
Engineering Services		480,708	-	480,708	-	-	-	-	480,708
Business Technology	Administrative Services	-	-	-	-	-	-	-	-
Business Technology	Information Technology	270,170	-	270,170	-	-	-	-	270,170
Water Resources Managemen	Resource Planning & Development	-	-	-	-	-	-	-	-
Water Resources Managemen	Resource Implementation	-	-	-	-	-	-	-	-
Water Resources Managemen	Office of the Group Manager	-	-	-	-	-	-	-	-
Ethics Office		-	-	-	-	-	-	-	-
Real Property		-	-	-	-	-	-	-	-
General Counsel		-	-	-	-	-	-	-	-
General Auditor		-	-	-	-	-	-	-	-
Total Departmental O&M	-	4,086,200	-	4,086,200	-	-	-	-	4,086,200

Allocation Percentages: C&A, CRA All Other
Fiscal Year Ending 2019

		Functionalization	Allocation Percentages						% Total
			Fixed			Variable Commodity	Other	Hydroelectric	
			Demand	Commodity	Standby				
Departmental O&M									
Group	***Item***								
Office of General Manager		422,012	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Office of General Manager	Board of Directors	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Office of General Manager	Bay Delta Initiatives	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
External Affairs	Legislative Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
External Affairs	Media Communications Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
External Affairs	Manager, External Affairs/Special Projects	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
External Affairs	Conservation & Community Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Human Resources		1,041,382	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager	743,051	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager, Conveyance & Distribution Section	343,451	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager, Treatment Section	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager, Operations Support Services	355,542	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Operations Support Services	571,464	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Desert Region / C&D CRA	26,039,232	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	System Operations Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Power Operations and Planning	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Operations Planning & Programs Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Jensen	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Diemer	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Mills	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Skinner	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Weymouth	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Water Quality Section	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	C&D, Eastern Unit	1,412,343	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	C&D, Western Unit	29,437	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	OSS, Manufacturing Services Unit	393,413	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Environmental Health & Safety Section	2,928,581	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	OSS, Fleet Services Unit	1,296,460	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	OSS, Power Support Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager, Operations & Planning Section	56,436	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Security Team & Security Management	378,107	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Office of the Chief Financial Officer		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Business Technology	Office of Manager	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Engineering Services		1,334,846	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Business Technology	Administrative Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Business Technology	Information Technology	3,206,987	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Resources Management	Resource Planning & Development	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Resources Management	Resource Implementation	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Resources Management	Office of the Group Manager	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Ethics Office		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Real Property		832,225	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
General Counsel		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
General Auditor		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Total Departmental O&M		41,384,968	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
GENERAL DISTRICT REQUIREMENTS									
State Water Project									
Supply - O&M		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Supply - Capital		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Power - O&M & Off-Aq Capital		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Power - Capital (less Off-Aq)		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Transmission - Capital - Commodity, Demand, & Standby		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Transmission - O&M - Commodity only		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
CA WaterFix - Capital		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Total State Water Project		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Colorado River Aqueduct Power Costs		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Supply Programs		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Demand Management Programs		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Local Resources Program		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Future Supply Actions		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Conservation Credits Program		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Total Demand Management Programs		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Capital Financing Program		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Revenue Bond Debt Service net of BABs Interest Subsidy Payment		11,261,837	20.9%	50.9%	28.3%	0.0%	0.0%	0.0%	100.0%
G.O. Bond Debt Service		-	20.9%	50.9%	28.3%	0.0%	0.0%	0.0%	100.0%
Debt Administration & State Revolving Funds		235,054	20.9%	50.9%	28.3%	0.0%	0.0%	0.0%	100.0%
Bond Defeasance		-	20.9%	50.9%	28.3%	0.0%	0.0%	0.0%	100.0%
PAYGO		4,344,000	20.9%	50.9%	28.3%	0.0%	0.0%	0.0%	100.0%
Total Capital Financing Program		15,840,892	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Other Operating Costs									
Operating Equipment		862,894	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
OPEB\PERS Pre-Funding		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Total Other Operating Costs		862,894	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Increase/(Decrease) in Required Reserves		-	19.8%	53.4%	26.8%	0.0%	0.0%	0.0%	100.0%
Total General District Requirements		16,703,786	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
REQUIREMENTS BEFORE OFFSETS:		58,088,754	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Revenue Offsets									
Taxes - MWD Portion of SWP GO Debt Service		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Taxes - MWD GO Debt Service		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Interest on Investments		560,993	20.9%	50.9%	28.3%	0.0%	0.0%	0.0%	100.0%
Hydro-Power Revenue		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
CRA Power Revenue		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Wadsworth Pumping Plant (DVL) Power Revenue (cost in dept)		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Misc. allocated to A&G (Lease, Late Fees, etc.)		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Misc. allocated to supply (PVID Lease, CVWD Revenues)		-	5.7%	86.6%	7.7%	0.0%	0.0%	0.0%	100.0%
Taxes - additional from fixed tax rate		-	20.9%	50.9%	28.3%	0.0%	0.0%	0.0%	100.0%
Revenue Reserve used for Revenue Bonds - I&P		-	50.0%	50.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Annexation		-	20.9%	50.9%	28.3%	0.0%	0.0%	0.0%	100.0%
Total Revenue Offsets		560,993	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
NET REVENUE REQUIREMENTS:	-	57,527,761	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

Allocation of Revenue Requirements: C&A, CRA All Other
Fiscal Year Ending 2019

		Functionalization	Allocation Percentages						Total
			Fixed			Variable Commodity	Other	Hydroelectric	
			Demand	Commodity	Standby				
Departmental O&M									
Group	***Item***								
Office of General Manager		422,012	-	422,012	-	-	-	-	422,012
Office of General Manager	Board of Directors	-	-	-	-	-	-	-	-
Office of General Manager	Bay Delta Initiatives	-	-	-	-	-	-	-	-
External Affairs	Legislative Services	-	-	-	-	-	-	-	-
External Affairs	Media Communications Services	-	-	-	-	-	-	-	-
External Affairs	Manager, External Affairs/Special Projects	-	-	-	-	-	-	-	-
External Affairs	Conservation & Community Services	-	-	-	-	-	-	-	-
Human Resources		1,041,382	-	1,041,382	-	-	-	-	1,041,382
Water Systems Operations	Office of the Manager	743,051	-	743,051	-	-	-	-	743,051
Water Systems Operations	Office of the Manager, Conveyance & Distribution S	343,451	-	343,451	-	-	-	-	343,451
Water Systems Operations	Office of the Manager, Treatment Section	-	-	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Operations Support Service	355,542	-	355,542	-	-	-	-	355,542
Water Systems Operations	Operations Support Services	571,464	-	571,464	-	-	-	-	571,464
Water Systems Operations	Desert Region / C&D CRA	26,039,232	-	26,039,232	-	-	-	-	26,039,232
Water Systems Operations	System Operations Unit	-	-	-	-	-	-	-	-
Water Systems Operations	Power Operations and Planning	-	-	-	-	-	-	-	-
Water Systems Operations	Operations Planning & Programs Unit	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Jensen	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Diemer	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Mills	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Skinner	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Weymouth	-	-	-	-	-	-	-	-
Water Systems Operations	Water Quality Section	-	-	-	-	-	-	-	-
Water Systems Operations	C&D, Eastern Unit	1,412,343	-	1,412,343	-	-	-	-	1,412,343
Water Systems Operations	C&D, Western Unit	29,437	-	29,437	-	-	-	-	29,437
Water Systems Operations	OSS, Manufacturing Services Unit	393,413	-	393,413	-	-	-	-	393,413
Water Systems Operations	Environmental Health & Safety Section	2,928,581	-	2,928,581	-	-	-	-	2,928,581
Water Systems Operations	OSS, Fleet Services Unit	1,296,460	-	1,296,460	-	-	-	-	1,296,460
Water Systems Operations	OSS, Power Support Unit	-	-	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Operations & Planning Secti	56,436	-	56,436	-	-	-	-	56,436
Water Systems Operations	Security Team & Security Management	378,107	-	378,107	-	-	-	-	378,107
Office of the Chief Financial O		-	-	-	-	-	-	-	-
Business Technology	Office of Manager	-	-	-	-	-	-	-	-
Engineering Services		1,334,846	-	1,334,846	-	-	-	-	1,334,846
Business Technology	Administrative Services	-	-	-	-	-	-	-	-
Business Technology	Information Technology	3,206,987	-	3,206,987	-	-	-	-	3,206,987
Water Resources Managemen	Resource Planning & Development	-	-	-	-	-	-	-	-
Water Resources Managemen	Resource Implementation	-	-	-	-	-	-	-	-
Water Resources Managemen	Office of the Group Manager	-	-	-	-	-	-	-	-
Ethics Office		-	-	-	-	-	-	-	-
Real Property		832,225	-	832,225	-	-	-	-	832,225
General Counsel		-	-	-	-	-	-	-	-
General Auditor		-	-	-	-	-	-	-	-
Total Departmental O&M	-	41,384,968	-	41,384,968	-	-	-	-	41,384,968
		-							-
GENERAL DISTRICT REQUIREMENTS		-	-	-	-	-	-	-	-
		-							-
State Water Project		-	-	-	-	-	-	-	-
Supply - O&M		-	-	-	-	-	-	-	-
Supply - Capital		-	-	-	-	-	-	-	-
Power - O&M & Off-Aq Capital		-	-	-	-	-	-	-	-
Power - Capital (less Off-Aq)		-	-	-	-	-	-	-	-
Transmission - Capital - Commodity, Demand, & Standby		-	-	-	-	-	-	-	-
Transmission - O&M - Commodity only		-	-	-	-	-	-	-	-
CA WaterFix - Capital		-	-	-	-	-	-	-	-
Total State Water Project		-	-	-	-	-	-	-	-
		-							-
Colorado River Aqueduct Power Costs		-	-	-	-	-	-	-	-
		-							-
Supply Programs		-	-	-	-	-	-	-	-
									-
Demand Management Programs		-	-	-	-	-	-	-	-
Local Resources Program		-	-	-	-	-	-	-	-
Future Supply Actions		-	-	-	-	-	-	-	-
Conservation Credits Program		-	-	-	-	-	-	-	-
Total Demand Management Programs		-	-	-	-	-	-	-	-
Capital Financing Program		-	-	-	-	-	-	-	-
Revenue Bond Debt Service net of BABs Interest Subsidy Payment		11,261,837	2,348,354	5,727,692	3,185,791	-	-	-	11,261,837
G.O. Bond Debt Service		-	-	-	-	-	-	-	-
Debt Administration & State Revolving Funds		235,054	49,014	119,547	66,493	-	-	-	235,054
Bond Defeasance		-	-	-	-	-	-	-	-
PAYGO		4,344,000	905,825	2,209,328	1,228,847	-	-	-	4,344,000
Total Capital Financing Program		15,840,892	3,303,193	8,056,568	4,481,131	-	-	-	15,840,892
Other Operating Costs		-	-	-	-	-	-	-	-
Operating Equipment		862,894	-	862,894	-	-	-	-	862,894
OPEB\PERS Pre-Funding		-	-	-	-	-	-	-	-
Total Other Operating Costs		862,894	-	862,894	-	-	-	-	862,894
Increase/(Decrease) in Required Reserves		-	-	-	-	-	-	-	-
Total General District Requirements		16,703,786	3,303,193	8,919,462	4,481,131	-	-	-	16,703,786
REQUIREMENTS BEFORE OFFSETS:		58,088,754	3,303,193	50,304,430	4,481,131	-	-	-	58,088,754
Revenue Offsets									
Taxes - MWD Portion of SWP GO Debt Service		-	-	-	-	-	-	-	-
Taxes - MWD GO Debt Service		-	-	-	-	-	-	-	-
Interest on Investments		560,993	116,980	285,317	158,696	-	-	-	560,993
Hydro-Power Revenue		-	-	-	-	-	-	-	-
CRA Power Revenue		-	-	-	-	-	-	-	-
Wadsworth Pumping Plant (DVL) Power Revenue (cost in dept)		-	-	-	-	-	-	-	-
Misc. allocated to A&G (Lease, Late Fees, etc.)		-	-	-	-	-	-	-	-
Misc. allocated to supply (PVID Lease, CVWD Revenues)		-	-	-	-	-	-	-	-
Taxes - additional from fixed tax rate		-	-	-	-	-	-	-	-
Revenue Reserve used for Revenue Bonds - I&P		-	-	-	-	-	-	-	-
Annexation		-	-	-	-	-	-	-	-
Total Revenue Offsets		560,993	116,980	285,317	158,696	-	-	-	560,993
NET REVENUE REQUIREMENTS:		57,527,761	3,186,213	50,019,113	4,322,436	-	-	-	57,527,761

Direct Labor used for A&G Allocation
Allocation of Revenue Requirements: C&A, CRA All Other
Fiscal Year Ending 2019

		Functionalization	Allocation Percentages						Total
			Fixed			Variable Commodity	Other	Hydroelectric	
			Demand	Commodity	Standby				
Departmental O&M									
Group	***Item***								
Office of General Manager		383,372	-	383,372	-	-	-	-	383,372
Office of General Manager	Board of Directors	-	-	-	-	-	-	-	-
Office of General Manager	Bay Delta Initiatives	-	-	-	-	-	-	-	-
External Affairs	Legislative Services	-	-	-	-	-	-	-	-
External Affairs	Media Communications Services	-	-	-	-	-	-	-	-
External Affairs	Manager, External Affairs/Special Projects	-	-	-	-	-	-	-	-
External Affairs	Conservation & Community Services	-	-	-	-	-	-	-	-
Human Resources		833,478	-	833,478	-	-	-	-	833,478
Water Systems Operations	Office of the Manager	441,801	-	441,801	-	-	-	-	441,801
Water Systems Operations	Office of the Manager, Conveyance & Distribution Section	320,588	-	320,588	-	-	-	-	320,588
Water Systems Operations	Office of the Manager, Treatment Section	-	-	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Operations Support Services	313,906	-	313,906	-	-	-	-	313,906
Water Systems Operations	Operations Support Services	519,188	-	519,188	-	-	-	-	519,188
Water Systems Operations	Desert Region / C&D CRA	21,577,969	-	21,577,969	-	-	-	-	21,577,969
Water Systems Operations	System Operations Unit	-	-	-	-	-	-	-	-
Water Systems Operations	Power Operations and Planning	-	-	-	-	-	-	-	-
Water Systems Operations	Operations Planning & Programs Unit	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Jensen	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Diemer	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Mills	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Skinner	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Weymouth	-	-	-	-	-	-	-	-
Water Systems Operations	Water Quality Section	-	-	-	-	-	-	-	-
Water Systems Operations	C&D, Eastern Unit	942,319	-	942,319	-	-	-	-	942,319
Water Systems Operations	C&D, Western Unit	21,530	-	21,530	-	-	-	-	21,530
Water Systems Operations	OSS, Manufacturing Services Unit	354,277	-	354,277	-	-	-	-	354,277
Water Systems Operations	Environmental Health & Safety Section	2,371,587	-	2,371,587	-	-	-	-	2,371,587
Water Systems Operations	OSS, Fleet Services Unit	812,615	-	812,615	-	-	-	-	812,615
Water Systems Operations	OSS, Power Support Unit	-	-	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Operations & Planning Section	57,052	-	57,052	-	-	-	-	57,052
Water Systems Operations	Security Team & Security Management	73,003	-	73,003	-	-	-	-	73,003
Office of the Chief Financial O		-	-	-	-	-	-	-	-
Business Technology	Office of Manager	-	-	-	-	-	-	-	-
Engineering Services		1,167,894	-	1,167,894	-	-	-	-	1,167,894
Business Technology	Administrative Services	-	-	-	-	-	-	-	-
Business Technology	Information Technology	2,378,952	-	2,378,952	-	-	-	-	2,378,952
Water Resources Managemen	Resource Planning & Development	-	-	-	-	-	-	-	-
Water Resources Managemen	Resource Implementation	-	-	-	-	-	-	-	-
Water Resources Managemen	Office of the Group Manager	-	-	-	-	-	-	-	-
Ethics Office		-	-	-	-	-	-	-	-
Real Property		359,668	-	359,668	-	-	-	-	359,668
General Counsel		-	-	-	-	-	-	-	-
General Auditor		-	-	-	-	-	-	-	-
Total Departmental O&M	-	32,929,200	-	32,929,200	-	-	-	-	32,929,200

Allocation Percentages: C&A, State Water Project Power
Fiscal Year Ending 2019

		Functionalization	Allocation Percentages						% Total
			Fixed			Variable	Other	Hydroelectric	
			Demand	Commodity	Standby	Commodity			
Departmental O&M									
Group	***Item***								
Office of General Manager		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Office of General Manager	Board of Directors	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Office of General Manager	Bay Delta Initiatives	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
External Affairs	Legislative Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
External Affairs	Media Communications Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
External Affairs	Manager, External Affairs/Special Projects	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
External Affairs	Conservation & Community Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Human Resources		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager, Conveyance & Distribution Section	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager, Treatment Section	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager, Operations Support Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Operations Support Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Desert Region / C&D CRA	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	System Operations Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Power Operations and Planning	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Operations Planning & Programs Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Jensen	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Diemer	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Mills	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Skinner	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Weymouth	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Water Quality Section	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	C&D, Eastern Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	C&D, Western Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	OSS, Manufacturing Services Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Environmental Health & Safety Section	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	OSS, Fleet Services Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	OSS, Power Support Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager, Operations & Planning Section	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Security Team & Security Management	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Office of the Chief Financial Officer		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Business Technology	Office of Manager	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Engineering Services		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Business Technology	Administrative Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Business Technology	Information Technology	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Resources Management	Resource Planning & Development	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Resources Management	Resource Implementation	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Resources Management	Office of the Group Manager	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Ethics Office		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Real Property		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
General Counsel		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
General Auditor		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Total Departmental O&M		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
GENERAL DISTRICT REQUIREMENTS									
State Water Project									
Supply - O&M		-	0.0%	0.0%	0.0%	100.0%	0.0%	0.0%	100.0%
Supply - Capital		-	0.0%	0.0%	0.0%	100.0%	0.0%	0.0%	100.0%
Power - O&M & Off-Aq Capital		163,459,789	0.0%	0.0%	0.0%	100.0%	0.0%	0.0%	100.0%
Power - Capital (less Off-Aq)		(4,219,489)	0.0%	0.0%	0.0%	100.0%	0.0%	0.0%	100.0%
Transmission - Capital - Commodity, Demand, & Standby		-	0.0%	0.0%	0.0%	100.0%	0.0%	0.0%	100.0%
Transmission - O&M - Commodity only		-	0.0%	0.0%	0.0%	100.0%	0.0%	0.0%	100.0%
CA WaterFix - Capital		-	0.0%	0.0%	0.0%	100.0%	0.0%	0.0%	100.0%
Total State Water Project		159,240,301	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Colorado River Aqueduct Power Costs		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Supply Programs		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Demand Management Programs		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Local Resources Program		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Future Supply Actions		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Conservation Credits Program		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Total Demand Management Programs		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Capital Financing Program		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Revenue Bond Debt Service net of BABs Interest Subsidy Payment		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
G.O. Bond Debt Service		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Debt Administration & State Revolving Funds		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Bond Defeasance		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
PAYGO		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Total Capital Financing Program		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Other Operating Costs									
Operating Equipment		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
OPEB\PERS Pre-Funding		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Total Other Operating Costs		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Increase/(Decrease) in Required Reserves		-	0.0%	0.0%	0.0%	100.0%	0.0%	0.0%	100.0%
Total General District Requirements		159,240,301	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
REQUIREMENTS BEFORE OFFSETS:		159,240,301	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Revenue Offsets									
Taxes - MWD Portion of SWP GO Debt Service		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Taxes - MWD GO Debt Service		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Interest on Investments		1,537,865	0.0%	0.0%	0.0%	100.0%	0.0%	0.0%	100.0%
Hydro-Power Revenue		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
CRA Power Revenue		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Wadsworth Pumping Plant (DVL) Power Revenue (cost in dept)		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Misc. allocated to A&G (Lease, Late Fees, etc.)		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Misc. allocated to supply (PVID Lease, CVWD Revenues)		-	0.0%	0.0%	0.0%	100.0%	0.0%	0.0%	100.0%
Taxes - additional from fixed tax rate		-	0.0%	0.0%	0.0%	100.0%	0.0%	0.0%	100.0%
Revenue Reserve used for Revenue Bonds - I&P		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Annexation		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Total Revenue Offsets		1,537,865	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
NET REVENUE REQUIREMENTS:	-	157,702,436	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

Allocation of Revenue Requirements: C&A State Water Project Power
Fiscal Year Ending 2019

		Functionalization	Allocation Percentages						Total
			Fixed			Variable Commodity	Other	Hydroelectric	
			Demand	Commodity	Standby				
Departmental O&M									
Group	***Item***								
Office of General Manager		-	-	-	-	-	-	-	-
Office of General Manager	Board of Directors	-	-	-	-	-	-	-	-
Office of General Manager	Bay Delta Initiatives	-	-	-	-	-	-	-	-
External Affairs	Legislative Services	-	-	-	-	-	-	-	-
External Affairs	Media Communications Services	-	-	-	-	-	-	-	-
External Affairs	Manager, External Affairs/Special Projects	-	-	-	-	-	-	-	-
External Affairs	Conservation & Community Services	-	-	-	-	-	-	-	-
Human Resources		-	-	-	-	-	-	-	-
Water Systems Operations	Office of the Manager	-	-	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Conveyance & Distribution S	-	-	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Treatment Section	-	-	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Operations Support Service	-	-	-	-	-	-	-	-
Water Systems Operations	Operations Support Services	-	-	-	-	-	-	-	-
Water Systems Operations	Desert Region / C&D CRA	-	-	-	-	-	-	-	-
Water Systems Operations	System Operations Unit	-	-	-	-	-	-	-	-
Water Systems Operations	Power Operations and Planning	-	-	-	-	-	-	-	-
Water Systems Operations	Operations Planning & Programs Unit	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Jensen	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Diemer	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Mills	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Skinner	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Weymouth	-	-	-	-	-	-	-	-
Water Systems Operations	Water Quality Section	-	-	-	-	-	-	-	-
Water Systems Operations	C&D, Eastern Unit	-	-	-	-	-	-	-	-
Water Systems Operations	C&D, Western Unit	-	-	-	-	-	-	-	-
Water Systems Operations	OSS, Manufacturing Services Unit	-	-	-	-	-	-	-	-
Water Systems Operations	Environmental Health & Safety Section	-	-	-	-	-	-	-	-
Water Systems Operations	OSS, Fleet Services Unit	-	-	-	-	-	-	-	-
Water Systems Operations	OSS, Power Support Unit	-	-	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Operations & Planning Secti	-	-	-	-	-	-	-	-
Water Systems Operations	Security Team & Security Management	-	-	-	-	-	-	-	-
Office of the Chief Financial O		-	-	-	-	-	-	-	-
Business Technology	Office of Manager	-	-	-	-	-	-	-	-
Engineering Services		-	-	-	-	-	-	-	-
Business Technology	Administrative Services	-	-	-	-	-	-	-	-
Business Technology	Information Technology	-	-	-	-	-	-	-	-
Water Resources Managemen	Resource Planning & Development	-	-	-	-	-	-	-	-
Water Resources Managemen	Resource Implementation	-	-	-	-	-	-	-	-
Water Resources Managemen	Office of the Group Manager	-	-	-	-	-	-	-	-
Ethics Office		-	-	-	-	-	-	-	-
Real Property		-	-	-	-	-	-	-	-
General Counsel		-	-	-	-	-	-	-	-
General Auditor		-	-	-	-	-	-	-	-
Total Departmental O&M	-	-	-	-	-	-	-	-	-
		-							-
GENERAL DISTRICT REQUIREMENTS		-	-	-	-	-	-	-	-
		-							-
State Water Project		-	-	-	-	-	-	-	-
Supply - O&M		-	-	-	-	-	-	-	-
Supply - Capital		-	-	-	-	-	-	-	-
Power - O&M & Off-Aq Capital		163,459,789	-	-	-	163,459,789	-	-	163,459,789
Power - Capital (less Off-Aq)		(4,219,489)	-	-	-	(4,219,489)	-	-	(4,219,489)
Transmission - Capital - Commodity, Demand, & Standby		-	-	-	-	-	-	-	-
Transmission - O&M - Commodity only		-	-	-	-	-	-	-	-
CA WaterFix - Capital		-	-	-	-	-	-	-	-
Total State Water Project		159,240,301	-	-	-	159,240,301	-	-	159,240,301
		-							-
Colorado River Aqueduct Power Costs		-	-	-	-	-	-	-	-
		-							-
Supply Programs		-	-	-	-	-	-	-	-
									-
Demand Management Programs		-	-	-	-	-	-	-	-
Local Resources Program		-	-	-	-	-	-	-	-
Future Supply Actions		-	-	-	-	-	-	-	-
Conservation Credits Program		-	-	-	-	-	-	-	-
Total Demand Management Programs		-	-	-	-	-	-	-	-
Capital Financing Program		-	-	-	-	-	-	-	-
Revenue Bond Debt Service net of BABs Interest Subsidy Payment		-	-	-	-	-	-	-	-
G.O. Bond Debt Service		-	-	-	-	-	-	-	-
Debt Administration & State Revolving Funds		-	-	-	-	-	-	-	-
Bond Defeasance		-	-	-	-	-	-	-	-
PAYGO		-	-	-	-	-	-	-	-
Total Capital Financing Program		-	-	-	-	-	-	-	-
Other Operating Costs		-	-	-	-	-	-	-	-
Operating Equipment		-	-	-	-	-	-	-	-
OPEB\PERS Pre-Funding		-	-	-	-	-	-	-	-
Total Other Operating Costs		-	-	-	-	-	-	-	-
Increase/(Decrease) in Required Reserves		-	-	-	-	-	-	-	-
Total General District Requirements		159,240,301	-	-	-	159,240,301	-	-	159,240,301
REQUIREMENTS BEFORE OFFSETS:		159,240,301	-	-	-	159,240,301	-	-	159,240,301
Revenue Offsets									
Taxes - MWD Portion of SWP GO Debt Service		-	-	-	-	-	-	-	-
Taxes - MWD GO Debt Service		-	-	-	-	-	-	-	-
Interest on Investments		1,537,865	-	-	-	1,537,865	-	-	1,537,865
Hydro-Power Revenue		-	-	-	-	-	-	-	-
CRA Power Revenue		-	-	-	-	-	-	-	-
Wadsworth Pumping Plant (DVL) Power Revenue (cost in dept)		-	-	-	-	-	-	-	-
Misc. allocated to A&G (Lease, Late Fees, etc.)		-	-	-	-	-	-	-	-
Misc. allocated to supply (PVID Lease, CVWD Revenues)		-	-	-	-	-	-	-	-
Taxes - additional from fixed tax rate		-	-	-	-	-	-	-	-
Revenue Reserve used for Revenue Bonds - I&P		-	-	-	-	-	-	-	-
Annexation		-	-	-	-	-	-	-	-
Total Revenue Offsets		1,537,865	-	-	-	1,537,865	-	-	1,537,865
NET REVENUE REQUIREMENTS:		157,702,436	-	-	-	157,702,436	-	-	157,702,436

Direct Labor used for A&G Allocation
Allocation of Revenue Requirements: C&A State Water Project Power
Fiscal Year Ending 2019

		Functionalization	Allocation Percentages						Total
			Fixed			Variable Commodity	Other	Hydroelectric	
			Demand	Commodity	Standby				
Departmental O&M									
Group	***Item***								
Office of General Manager		-	-	-	-	-	-	-	-
Office of General Manager	Board of Directors	-	-	-	-	-	-	-	-
Office of General Manager	Bay Delta Initiatives	-	-	-	-	-	-	-	-
External Affairs	Legislative Services	-	-	-	-	-	-	-	-
External Affairs	Media Communications Services	-	-	-	-	-	-	-	-
External Affairs	Manager, External Affairs/Special Projects	-	-	-	-	-	-	-	-
External Affairs	Conservation & Community Services	-	-	-	-	-	-	-	-
Human Resources		-	-	-	-	-	-	-	-
Water Systems Operations	Office of the Manager	-	-	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Conveyance & Distribution Section	-	-	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Treatment Section	-	-	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Operations Support Services	-	-	-	-	-	-	-	-
Water Systems Operations	Operations Support Services	-	-	-	-	-	-	-	-
Water Systems Operations	Desert Region / C&D CRA	-	-	-	-	-	-	-	-
Water Systems Operations	System Operations Unit	-	-	-	-	-	-	-	-
Water Systems Operations	Power Operations and Planning	-	-	-	-	-	-	-	-
Water Systems Operations	Operations Planning & Programs Unit	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Jensen	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Diemer	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Mills	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Skinner	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Weymouth	-	-	-	-	-	-	-	-
Water Systems Operations	Water Quality Section	-	-	-	-	-	-	-	-
Water Systems Operations	C&D, Eastern Unit	-	-	-	-	-	-	-	-
Water Systems Operations	C&D, Western Unit	-	-	-	-	-	-	-	-
Water Systems Operations	OSS, Manufacturing Services Unit	-	-	-	-	-	-	-	-
Water Systems Operations	Environmental Health & Safety Section	-	-	-	-	-	-	-	-
Water Systems Operations	OSS, Fleet Services Unit	-	-	-	-	-	-	-	-
Water Systems Operations	OSS, Power Support Unit	-	-	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Operations & Planning Section	-	-	-	-	-	-	-	-
Water Systems Operations	Security Team & Security Management	-	-	-	-	-	-	-	-
Office of the Chief Financial Of		-	-	-	-	-	-	-	-
Business Technology	Office of Manager	-	-	-	-	-	-	-	-
Engineering Services		-	-	-	-	-	-	-	-
Business Technology	Administrative Services	-	-	-	-	-	-	-	-
Business Technology	Information Technology	-	-	-	-	-	-	-	-
Water Resources Managemen	Resource Planning & Development	-	-	-	-	-	-	-	-
Water Resources Managemen	Resource Implementation	-	-	-	-	-	-	-	-
Water Resources Managemen	Office of the Group Manager	-	-	-	-	-	-	-	-
Ethics Office		-	-	-	-	-	-	-	-
Real Property		-	-	-	-	-	-	-	-
General Counsel		-	-	-	-	-	-	-	-
General Auditor		-	-	-	-	-	-	-	-
Total Departmental O&M	-	-	-	-	-	-	-	-	-

Allocation Percentages: C&A, State Water Project, All Other
Fiscal Year Ending 2019

		Functionalization	Allocation Percentages						% Total
			Fixed			Variable Commodity	Other	Hydroelectric	
			Demand	Commodity	Standby				
Departmental O&M									
Group	***Item***								
Office of General Manager		193,339	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Office of General Manager	Board of Directors	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Office of General Manager	Bay Delta Initiatives	10,931,125	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
External Affairs	Legislative Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
External Affairs	Media Communications Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
External Affairs	Manager, External Affairs/Special Projects	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
External Affairs	Conservation & Community Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Human Resources		477,094	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager	42,748	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager, Conveyance & Distribution Section	22,883	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager, Treatment Section	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager, Operations Support Services	20,455	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Operations Support Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Desert Region / C&D CRA	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	System Operations Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Power Operations and Planning	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Operations Planning & Programs Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Jensen	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Diemer	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Mills	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Skinner	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Weymouth	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Water Quality Section	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	C&D, Eastern Unit	1,557,198	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	C&D, Western Unit	632,894	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	OSS, Manufacturing Services Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Environmental Health & Safety Section	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	OSS, Fleet Services Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	OSS, Power Support Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager, Operations & Planning Section	3,247	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Security Team & Security Management	153,837	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Office of the Chief Financial Officer		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Business Technology	Office of Manager	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Engineering Services		543,096	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Business Technology	Administrative Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Business Technology	Information Technology	1,469,236	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Resources Management	Resource Planning & Development	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Resources Management	Resource Implementation	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Resources Management	Office of the Group Manager	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Ethics Office		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Real Property		2,912,788	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
General Counsel		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
General Auditor		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Total Departmental O&M		18,959,938	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
GENERAL DISTRICT REQUIREMENTS									
State Water Project									
Supply - O&M		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Supply - Capital		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Power - O&M & Off-Aq Capital		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Power - Capital (less Off-Aq)		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Transmission - Capital - Commodity, Demand, & Standby		98,807,736	20.9%	50.9%	28.3%	0.0%	0.0%	0.0%	100.0%
Transmission - O&M - Commodity only		175,328,875	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
CA WaterFix - Capital		3,574,035	20.9%	50.9%	28.3%	0.0%	0.0%	0.0%	100.0%
Total State Water Project		277,710,646	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Colorado River Aqueduct Power Costs		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Supply Programs		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Demand Management Programs		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Local Resources Program		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Future Supply Actions		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Conservation Credits Program		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Total Demand Management Programs		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Capital Financing Program		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Revenue Bond Debt Service net of BABs Interest Subsidy Payment		4,581,991	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
G.O. Bond Debt Service		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Debt Administration & State Revolving Funds		95,634	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Bond Defeasance		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
PAYGO		1,767,400	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Total Capital Financing Program		6,445,026	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Other Operating Costs									
Operating Equipment		258,141	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
OPEB\PERS Pre-Funding		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Total Other Operating Costs		258,141	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Increase/(Decrease) in Required Reserves		-	7.5%	82.3%	10.2%	0.0%	0.0%	0.0%	100.0%
Total General District Requirements		284,413,813	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
REQUIREMENTS BEFORE OFFSETS:		303,373,752	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Revenue Offsets									
Taxes - MWD Portion of SWP GO Debt Service		13,081,325	20.9%	50.9%	28.3%	0.0%	0.0%	0.0%	100.0%
Taxes - MWD GO Debt Service		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Interest on Investments		2,929,835	20.9%	50.9%	28.3%	0.0%	0.0%	0.0%	100.0%
Hydro-Power Revenue		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
CRA Power Revenue		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Wadsworth Pumping Plant (DVL) Power Revenue (cost in dept)		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Misc. allocated to A&G (Lease, Late Fees, etc.)		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Misc. allocated to supply (PVID Lease, CVWD Revenues)		-	7.0%	83.4%	9.5%	0.0%	0.0%	0.0%	100.0%
Taxes - additional from fixed tax rate		65,005,992	20.9%	50.9%	28.3%	0.0%	0.0%	0.0%	100.0%
Revenue Reserve used for Revenue Bonds - I&P		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Annexation		-	20.9%	50.9%	28.3%	0.0%	0.0%	0.0%	100.0%
Total Revenue Offsets		81,017,152	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
NET REVENUE REQUIREMENTS:	-	222,356,600	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

Allocation of Revenue Requirements: C&A, State Water Project, All Other
Fiscal Year Ending 2019

		Functionalization	Allocation Percentages						Total
			Fixed			Variable Commodity	Other	Hydroelectric	
			Demand	Commodity	Standby				
Departmental O&M									
Group	***Item***								
Office of General Manager		193,339	-	193,339	-	-	-	-	193,339
Office of General Manager	Board of Directors	-	-	-	-	-	-	-	-
Office of General Manager	Bay Delta Initiatives	10,931,125	-	10,931,125	-	-	-	-	10,931,125
External Affairs	Legislative Services	-	-	-	-	-	-	-	-
External Affairs	Media Communications Services	-	-	-	-	-	-	-	-
External Affairs	Manager, External Affairs/Special Projects	-	-	-	-	-	-	-	-
External Affairs	Conservation & Community Services	-	-	-	-	-	-	-	-
Human Resources		477,094	-	477,094	-	-	-	-	477,094
Water Systems Operations	Office of the Manager	42,748	-	42,748	-	-	-	-	42,748
Water Systems Operations	Office of the Manager, Conveyance & Distribution S	22,883	-	22,883	-	-	-	-	22,883
Water Systems Operations	Office of the Manager, Treatment Section	-	-	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Operations Support Service	20,455	-	20,455	-	-	-	-	20,455
Water Systems Operations	Operations Support Services	-	-	-	-	-	-	-	-
Water Systems Operations	Desert Region / C&D CRA	-	-	-	-	-	-	-	-
Water Systems Operations	System Operations Unit	-	-	-	-	-	-	-	-
Water Systems Operations	Power Operations and Planning	-	-	-	-	-	-	-	-
Water Systems Operations	Operations Planning & Programs Unit	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Jensen	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Diemer	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Mills	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Skinner	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Weymouth	-	-	-	-	-	-	-	-
Water Systems Operations	Water Quality Section	-	-	-	-	-	-	-	-
Water Systems Operations	C&D, Eastern Unit	1,557,198	-	1,557,198	-	-	-	-	1,557,198
Water Systems Operations	C&D, Western Unit	632,894	-	632,894	-	-	-	-	632,894
Water Systems Operations	OSS, Manufacturing Services Unit	-	-	-	-	-	-	-	-
Water Systems Operations	Environmental Health & Safety Section	-	-	-	-	-	-	-	-
Water Systems Operations	OSS, Fleet Services Unit	-	-	-	-	-	-	-	-
Water Systems Operations	OSS, Power Support Unit	-	-	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Operations & Planning Secti	3,247	-	3,247	-	-	-	-	3,247
Water Systems Operations	Security Team & Security Management	153,837	-	153,837	-	-	-	-	153,837
Office of the Chief Financial O		-	-	-	-	-	-	-	-
Business Technology	Office of Manager	-	-	-	-	-	-	-	-
Engineering Services		543,096	-	543,096	-	-	-	-	543,096
Business Technology	Administrative Services	-	-	-	-	-	-	-	-
Business Technology	Information Technology	1,469,236	-	1,469,236	-	-	-	-	1,469,236
Water Resources Managemen	Resource Planning & Development	-	-	-	-	-	-	-	-
Water Resources Managemen	Resource Implementation	-	-	-	-	-	-	-	-
Water Resources Managemen	Office of the Group Manager	-	-	-	-	-	-	-	-
Ethics Office		-	-	-	-	-	-	-	-
Real Property		2,912,788	-	2,912,788	-	-	-	-	2,912,788
General Counsel		-	-	-	-	-	-	-	-
General Auditor		-	-	-	-	-	-	-	-
Total Departmental O&M	-	18,959,938	-	18,959,938	-	-	-	-	18,959,938
		-							-
GENERAL DISTRICT REQUIREMENTS		-	-	-	-	-	-	-	-
		-							-
State Water Project		-	-	-	-	-	-	-	-
Supply - O&M		-	-	-	-	-	-	-	-
Supply - Capital		-	-	-	-	-	-	-	-
Power - O&M & Off-Aq Capital		-	-	-	-	-	-	-	-
Power - Capital (less Off-Aq)		-	-	-	-	-	-	-	-
Transmission - Capital - Commodity, Demand, & Standby		98,807,736	20,603,701	50,252,929	27,951,106	-	-	-	98,807,736
Transmission - O&M - Commodity only		175,328,875	-	175,328,875	-	-	-	-	175,328,875
CA WaterFix - Capital		3,574,035	745,269	1,817,730	1,011,037	-	-	-	3,574,035
Total State Water Project		277,710,646	21,348,970	227,399,534	28,962,142	-	-	-	277,710,646
		-							-
Colorado River Aqueduct Power Costs		-	-	-	-	-	-	-	-
		-							-
Supply Programs		-	-	-	-	-	-	-	-
									-
Demand Management Programs		-	-	-	-	-	-	-	-
Local Resources Program		-	-	-	-	-	-	-	-
Future Supply Actions		-	-	-	-	-	-	-	-
Conservation Credits Program		-	-	-	-	-	-	-	-
Total Demand Management Programs		-	-	-	-	-	-	-	-
Capital Financing Program		-	-	-	-	-	-	-	-
Revenue Bond Debt Service net of BABs Interest Subsidy Payment		4,581,991	-	4,581,991	-	-	-	-	4,581,991
G.O. Bond Debt Service		-	-	-	-	-	-	-	-
Debt Administration & State Revolving Funds		95,634	-	95,634	-	-	-	-	95,634
Bond Defeasance		-	-	-	-	-	-	-	-
PAYGO		1,767,400	-	1,767,400	-	-	-	-	1,767,400
Total Capital Financing Program		6,445,026	-	6,445,026	-	-	-	-	6,445,026
Other Operating Costs		-	-	-	-	-	-	-	-
Operating Equipment		258,141	-	258,141	-	-	-	-	258,141
OPEB\PERS Pre-Funding		-	-	-	-	-	-	-	-
Total Other Operating Costs		258,141	-	258,141	-	-	-	-	258,141
Increase/(Decrease) in Required Reserves		-	-	-	-	-	-	-	-
Total General District Requirements		284,413,813	21,348,970	234,102,701	28,962,142	-	-	-	284,413,813
REQUIREMENTS BEFORE OFFSETS:		303,373,752	21,348,970	253,062,639	28,962,142	-	-	-	303,373,752
Revenue Offsets									
Taxes - MWD Portion of SWP GO Debt Service		13,081,325	2,727,759	6,653,071	3,700,495	-	-	-	13,081,325
Taxes - MWD GO Debt Service		-	-	-	-	-	-	-	-
Interest on Investments		2,929,835	610,938	1,490,094	828,803	-	-	-	2,929,835
Hydro-Power Revenue		-	-	-	-	-	-	-	-
CRA Power Revenue		-	-	-	-	-	-	-	-
Wadsworth Pumping Plant (DVL) Power Revenue (cost in dept)		-	-	-	-	-	-	-	-
Misc. allocated to A&G (Lease, Late Fees, etc.)		-	-	-	-	-	-	-	-
Misc. allocated to supply (PVID Lease, CVWD Revenues)		-	-	-	-	-	-	-	-
Taxes - additional from fixed tax rate		65,005,992	13,555,255	33,061,597	18,389,141	-	-	-	65,005,992
Revenue Reserve used for Revenue Bonds - I&P		-	-	-	-	-	-	-	-
Annexation		-	-	-	-	-	-	-	-
Total Revenue Offsets		81,017,152	16,893,952	41,204,762	22,918,438	-	-	-	81,017,152
NET REVENUE REQUIREMENTS:		222,356,600	4,455,018	211,857,878	6,043,704	-	-	-	222,356,600

Direct Labor used for A&G Allocation
Allocation of Revenue Requirements: C&A, State Water Project, All Other
Fiscal Year Ending 2019

		Functionalization	Allocation Percentages						Total
			Fixed			Variable Commodity	Other	Hydroelectric	
			Demand	Commodity	Standby				
Departmental O&M									
Group	***Item***								
Office of General Manager		175,636	-	175,636	-	-	-	-	175,636
Office of General Manager	Board of Directors	-	-	-	-	-	-	-	-
Office of General Manager	Bay Delta Initiatives	4,869,969	-	4,869,969	-	-	-	-	4,869,969
External Affairs	Legislative Services	-	-	-	-	-	-	-	-
External Affairs	Media Communications Services	-	-	-	-	-	-	-	-
External Affairs	Manager, External Affairs/Special Projects	-	-	-	-	-	-	-	-
External Affairs	Conservation & Community Services	-	-	-	-	-	-	-	-
Human Resources		381,846	-	381,846	-	-	-	-	381,846
Water Systems Operations	Office of the Manager	25,417	-	25,417	-	-	-	-	25,417
Water Systems Operations	Office of the Manager, Conveyance & Distribution Section	21,359	-	21,359	-	-	-	-	21,359
Water Systems Operations	Office of the Manager, Treatment Section	-	-	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Operations Support Services	18,059	-	18,059	-	-	-	-	18,059
Water Systems Operations	Operations Support Services	-	-	-	-	-	-	-	-
Water Systems Operations	Desert Region / C&D CRA	-	-	-	-	-	-	-	-
Water Systems Operations	System Operations Unit	-	-	-	-	-	-	-	-
Water Systems Operations	Power Operations and Planning	-	-	-	-	-	-	-	-
Water Systems Operations	Operations Planning & Programs Unit	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Jensen	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Diemer	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Mills	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Skinner	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Weymouth	-	-	-	-	-	-	-	-
Water Systems Operations	Water Quality Section	-	-	-	-	-	-	-	-
Water Systems Operations	C&D, Eastern Unit	1,038,967	-	1,038,967	-	-	-	-	1,038,967
Water Systems Operations	C&D, Western Unit	462,898	-	462,898	-	-	-	-	462,898
Water Systems Operations	OSS, Manufacturing Services Unit	-	-	-	-	-	-	-	-
Water Systems Operations	Environmental Health & Safety Section	-	-	-	-	-	-	-	-
Water Systems Operations	OSS, Fleet Services Unit	-	-	-	-	-	-	-	-
Water Systems Operations	OSS, Power Support Unit	-	-	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Operations & Planning Section	3,282	-	3,282	-	-	-	-	3,282
Water Systems Operations	Security Team & Security Management	29,702	-	29,702	-	-	-	-	29,702
Office of the Chief Financial O		-	-	-	-	-	-	-	-
Business Technology	Office of Manager	-	-	-	-	-	-	-	-
Engineering Services		475,170	-	475,170	-	-	-	-	475,170
Business Technology	Administrative Services	-	-	-	-	-	-	-	-
Business Technology	Information Technology	1,089,883	-	1,089,883	-	-	-	-	1,089,883
Water Resources Managemen	Resource Planning & Development	-	-	-	-	-	-	-	-
Water Resources Managemen	Resource Implementation	-	-	-	-	-	-	-	-
Water Resources Managemen	Office of the Group Manager	-	-	-	-	-	-	-	-
Ethics Office		-	-	-	-	-	-	-	-
Real Property		1,258,838	-	1,258,838	-	-	-	-	1,258,838
General Counsel		-	-	-	-	-	-	-	-
General Auditor		-	-	-	-	-	-	-	-
Total Departmental O&M	-	9,851,028	-	9,851,028	-	-	-	-	9,851,028

Allocation Percentages: C&A - Other C&A
Fiscal Year Ending 2019

		Functionalization	Allocation Percentages						% Total
			Fixed			Variable Commodity	Other	Hydroelectric	
			Demand	Commodity	Standby				
Departmental O&M									
Group	***Item***								
Office of General Manager		84,503	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Office of General Manager	Board of Directors	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Office of General Manager	Bay Delta Initiatives	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
External Affairs	Legislative Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
External Affairs	Media Communications Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
External Affairs	Manager, External Affairs/Special Projects	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
External Affairs	Conservation & Community Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Human Resources		208,525	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager	8,609	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager, Conveyance & Distribution Section	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager, Treatment Section	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager, Operations Support Services	4,119	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Operations Support Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Desert Region / C&D CRA	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	System Operations Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Power Operations and Planning	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Operations Planning & Programs Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Jensen	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Diemer	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Mills	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Skinner	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Weymouth	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Water Quality Section	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	C&D, Eastern Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	C&D, Western Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	OSS, Manufacturing Services Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Environmental Health & Safety Section	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	OSS, Fleet Services Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	OSS, Power Support Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager, Operations & Planning Section	654	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Security Team & Security Management	1,619,812	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Office of the Chief Financial Officer		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Business Technology	Office of Manager	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Engineering Services		5,718,487	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Business Technology	Administrative Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Business Technology	Information Technology	642,163	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Resources Management	Resource Planning & Development	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Resources Management	Resource Implementation	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Resources Management	Office of the Group Manager	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Ethics Office		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Real Property		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
General Counsel		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
General Auditor		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Total Departmental O&M		8,286,872	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
GENERAL DISTRICT REQUIREMENTS									
State Water Project									
Supply - O&M		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Supply - Capital		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Power - O&M & Off-Aq Capital		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Power - Capital (less Off-Aq)		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Transmission - Capital - Commodity, Demand, & Standby		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Transmission - O&M - Commodity only		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
CA WaterFix - Capital		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Total State Water Project		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Colorado River Aqueduct Power Costs		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Supply Programs		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Demand Management Programs		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Local Resources Program		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Future Supply Actions		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Conservation Credits Program		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Total Demand Management Programs		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Capital Financing Program		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Revenue Bond Debt Service net of BABs Interest Subsidy Payment		48,245,756	20.9%	50.9%	28.3%	0.0%	0.0%	0.0%	100.0%
G.O. Bond Debt Service		-	20.9%	50.9%	28.3%	0.0%	0.0%	0.0%	100.0%
Debt Administration & State Revolving Funds		1,006,974	20.9%	50.9%	28.3%	0.0%	0.0%	0.0%	100.0%
Bond Defeasance		-	20.9%	50.9%	28.3%	0.0%	0.0%	0.0%	100.0%
PAYGO		18,609,714	20.9%	50.9%	28.3%	0.0%	0.0%	0.0%	100.0%
Total Capital Financing Program		67,862,444	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Other Operating Costs									
Operating Equipment		158,418	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
OPEB\PERS Pre-Funding		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Total Other Operating Costs		158,418	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Increase/(Decrease) in Required Reserves		-	20.8%	51.0%	28.2%	0.0%	0.0%	0.0%	100.0%
Total General District Requirements		68,020,862	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
REQUIREMENTS BEFORE OFFSETS:		76,307,733	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Revenue Offsets									
Taxes - MWD Portion of SWP GO Debt Service		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Taxes - MWD GO Debt Service		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Interest on Investments		736,943	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Hydro-Power Revenue		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
CRA Power Revenue		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Wadsworth Pumping Plant (DVL) Power Revenue (cost in dept)		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Misc. allocated to A&G (Lease, Late Fees, etc.)		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Misc. allocated to supply (PVID Lease, CVWD Revenues)		-	20.9%	50.9%	28.3%	0.0%	0.0%	0.0%	100.0%
Taxes - additional from fixed tax rate		-	20.9%	50.9%	28.3%	0.0%	0.0%	0.0%	100.0%
Revenue Reserve used for Revenue Bonds - I&P		-	20.9%	50.9%	28.3%	0.0%	0.0%	0.0%	100.0%
Annexation		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Total Revenue Offsets		736,943	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
NET REVENUE REQUIREMENTS:	-	75,570,791	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

Allocation of Revenue Requirements: C&A - Other C&A
Fiscal Year Ending 2019

		Functionalization	Allocation Percentages						Total
			Fixed			Variable Commodity	Other	Hydroelectric	
			Demand	Commodity	Standby				
Departmental O&M									
Group	***Item***								
Office of General Manager		84,503	-	84,503	-	-	-	-	84,503
Office of General Manager	Board of Directors	-	-	-	-	-	-	-	-
Office of General Manager	Bay Delta Initiatives	-	-	-	-	-	-	-	-
External Affairs	Legislative Services	-	-	-	-	-	-	-	-
External Affairs	Media Communications Services	-	-	-	-	-	-	-	-
External Affairs	Manager, External Affairs/Special Projects	-	-	-	-	-	-	-	-
External Affairs	Conservation & Community Services	-	-	-	-	-	-	-	-
Human Resources		208,525	-	208,525	-	-	-	-	208,525
Water Systems Operations	Office of the Manager	8,609	-	8,609	-	-	-	-	8,609
Water Systems Operations	Office of the Manager, Conveyance & Distribution S	-	-	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Treatment Section	-	-	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Operations Support Service	4,119	-	4,119	-	-	-	-	4,119
Water Systems Operations	Operations Support Services	-	-	-	-	-	-	-	-
Water Systems Operations	Desert Region / C&D CRA	-	-	-	-	-	-	-	-
Water Systems Operations	System Operations Unit	-	-	-	-	-	-	-	-
Water Systems Operations	Power Operations and Planning	-	-	-	-	-	-	-	-
Water Systems Operations	Operations Planning & Programs Unit	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Jensen	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Diemer	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Mills	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Skinner	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Weymouth	-	-	-	-	-	-	-	-
Water Systems Operations	Water Quality Section	-	-	-	-	-	-	-	-
Water Systems Operations	C&D, Eastern Unit	-	-	-	-	-	-	-	-
Water Systems Operations	C&D, Western Unit	-	-	-	-	-	-	-	-
Water Systems Operations	OSS, Manufacturing Services Unit	-	-	-	-	-	-	-	-
Water Systems Operations	Environmental Health & Safety Section	-	-	-	-	-	-	-	-
Water Systems Operations	OSS, Fleet Services Unit	-	-	-	-	-	-	-	-
Water Systems Operations	OSS, Power Support Unit	-	-	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Operations & Planning Secti	654	-	654	-	-	-	-	654
Water Systems Operations	Security Team & Security Management	1,619,812	-	1,619,812	-	-	-	-	1,619,812
Office of the Chief Financial O		-	-	-	-	-	-	-	-
Business Technology	Office of Manager	-	-	-	-	-	-	-	-
Engineering Services		5,718,487	-	5,718,487	-	-	-	-	5,718,487
Business Technology	Administrative Services	-	-	-	-	-	-	-	-
Business Technology	Information Technology	642,163	-	642,163	-	-	-	-	642,163
Water Resources Managemen	Resource Planning & Development	-	-	-	-	-	-	-	-
Water Resources Managemen	Resource Implementation	-	-	-	-	-	-	-	-
Water Resources Managemen	Office of the Group Manager	-	-	-	-	-	-	-	-
Ethics Office		-	-	-	-	-	-	-	-
Real Property		-	-	-	-	-	-	-	-
General Counsel		-	-	-	-	-	-	-	-
General Auditor		-	-	-	-	-	-	-	-
Total Departmental O&M	-	8,286,872	-	8,286,872	-	-	-	-	8,286,872
		-							-
GENERAL DISTRICT REQUIREMENTS		-	-	-	-	-	-	-	-
		-							-
State Water Project		-	-	-	-	-	-	-	-
Supply - O&M		-	-	-	-	-	-	-	-
Supply - Capital		-	-	-	-	-	-	-	-
Power - O&M & Off-Aq Capital		-	-	-	-	-	-	-	-
Power - Capital (less Off-Aq)		-	-	-	-	-	-	-	-
Transmission - Capital - Commodity, Demand, & Standby		-	-	-	-	-	-	-	-
Transmission - O&M - Commodity only		-	-	-	-	-	-	-	-
CA WaterFix - Capital		-	-	-	-	-	-	-	-
Total State Water Project		-	-	-	-	-	-	-	-
		-							-
Colorado River Aqueduct Power Costs		-	-	-	-	-	-	-	-
		-							-
Supply Programs		-	-	-	-	-	-	-	-
									-
Demand Management Programs		-	-	-	-	-	-	-	-
Local Resources Program		-	-	-	-	-	-	-	-
Future Supply Actions		-	-	-	-	-	-	-	-
Conservation Credits Program		-	-	-	-	-	-	-	-
Total Demand Management Programs		-	-	-	-	-	-	-	-
Capital Financing Program		-	-	-	-	-	-	-	-
Revenue Bond Debt Service net of BABs Interest Subsidy Payment		48,245,756	10,060,357	24,537,457	13,647,942	-	-	-	48,245,756
G.O. Bond Debt Service		-	-	-	-	-	-	-	-
Debt Administration & State Revolving Funds		1,006,974	209,977	512,140	284,857	-	-	-	1,006,974
Bond Defeasance		-	-	-	-	-	-	-	-
PAYGO		18,609,714	3,880,556	9,464,771	5,264,386	-	-	-	18,609,714
Total Capital Financing Program		67,862,444	14,150,891	34,514,368	19,197,185	-	-	-	67,862,444
Other Operating Costs		-	-	-	-	-	-	-	-
Operating Equipment		158,418	-	158,418	-	-	-	-	158,418
OPEB\PERS Pre-Funding		-	-	-	-	-	-	-	-
Total Other Operating Costs		158,418	-	158,418	-	-	-	-	158,418
Increase/(Decrease) in Required Reserves		-	-	-	-	-	-	-	-
Total General District Requirements		68,020,862	14,150,891	34,672,786	19,197,185	-	-	-	68,020,862
REQUIREMENTS BEFORE OFFSETS:		76,307,733	14,150,891	42,959,658	19,197,185	-	-	-	76,307,733
Revenue Offsets									
Taxes - MWD Portion of SWP GO Debt Service		-	-	-	-	-	-	-	-
Taxes - MWD GO Debt Service		-	-	-	-	-	-	-	-
Interest on Investments		736,943	736,943	-	-	-	-	-	736,943
Hydro-Power Revenue		-	-	-	-	-	-	-	-
CRA Power Revenue		-	-	-	-	-	-	-	-
Wadsworth Pumping Plant (DVL) Power Revenue (cost in dept)		-	-	-	-	-	-	-	-
Misc. allocated to A&G (Lease, Late Fees, etc.)		-	-	-	-	-	-	-	-
Misc. allocated to supply (PVID Lease, CVWD Revenues)		-	-	-	-	-	-	-	-
Taxes - additional from fixed tax rate		-	-	-	-	-	-	-	-
Revenue Reserve used for Revenue Bonds - I&P		-	-	-	-	-	-	-	-
Annexation		-	-	-	-	-	-	-	-
Total Revenue Offsets		736,943	736,943	-	-	-	-	-	736,943
NET REVENUE REQUIREMENTS:		75,570,791	13,413,948	42,959,658	19,197,185	-	-	-	75,570,791

Direct Labor used for A&G Allocation
Allocation of Revenue Requirements: C&A - Other C&A
Fiscal Year Ending 2019

		Functionalization	Allocation Percentages						Total
			Fixed			Variable Commodity	Other	Hydroelectric	
			Demand	Commodity	Standby				
Departmental O&M									
Group	***Item***								
Office of General Manager		76,766	-	76,766	-	-	-	-	76,766
Office of General Manager	Board of Directors	-	-	-	-	-	-	-	-
Office of General Manager	Bay Delta Initiatives	-	-	-	-	-	-	-	-
External Affairs	Legislative Services	-	-	-	-	-	-	-	-
External Affairs	Media Communications Services	-	-	-	-	-	-	-	-
External Affairs	Manager, External Affairs/Special Projects	-	-	-	-	-	-	-	-
External Affairs	Conservation & Community Services	-	-	-	-	-	-	-	-
Human Resources		166,895	-	166,895	-	-	-	-	166,895
Water Systems Operations	Office of the Manager	5,119	-	5,119	-	-	-	-	5,119
Water Systems Operations	Office of the Manager, Conveyance & Distribution Section	-	-	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Treatment Section	-	-	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Operations Support Services	3,637	-	3,637	-	-	-	-	3,637
Water Systems Operations	Operations Support Services	-	-	-	-	-	-	-	-
Water Systems Operations	Desert Region / C&D CRA	-	-	-	-	-	-	-	-
Water Systems Operations	System Operations Unit	-	-	-	-	-	-	-	-
Water Systems Operations	Power Operations and Planning	-	-	-	-	-	-	-	-
Water Systems Operations	Operations Planning & Programs Unit	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Jensen	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Diemer	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Mills	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Skinner	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Weymouth	-	-	-	-	-	-	-	-
Water Systems Operations	Water Quality Section	-	-	-	-	-	-	-	-
Water Systems Operations	C&D, Eastern Unit	-	-	-	-	-	-	-	-
Water Systems Operations	C&D, Western Unit	-	-	-	-	-	-	-	-
Water Systems Operations	OSS, Manufacturing Services Unit	-	-	-	-	-	-	-	-
Water Systems Operations	Environmental Health & Safety Section	-	-	-	-	-	-	-	-
Water Systems Operations	OSS, Fleet Services Unit	-	-	-	-	-	-	-	-
Water Systems Operations	OSS, Power Support Unit	-	-	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Operations & Planning Section	661	-	661	-	-	-	-	661
Water Systems Operations	Security Team & Security Management	312,743	-	312,743	-	-	-	-	312,743
Office of the Chief Financial Of		-	-	-	-	-	-	-	-
Business Technology	Office of Manager	-	-	-	-	-	-	-	-
Engineering Services		5,003,264	-	5,003,264	-	-	-	-	5,003,264
Business Technology	Administrative Services	-	-	-	-	-	-	-	-
Business Technology	Information Technology	476,358	-	476,358	-	-	-	-	476,358
Water Resources Managemen	Resource Planning & Development	-	-	-	-	-	-	-	-
Water Resources Managemen	Resource Implementation	-	-	-	-	-	-	-	-
Water Resources Managemen	Office of the Group Manager	-	-	-	-	-	-	-	-
Ethics Office		-	-	-	-	-	-	-	-
Real Property		-	-	-	-	-	-	-	-
General Counsel		-	-	-	-	-	-	-	-
General Auditor		-	-	-	-	-	-	-	-
Total Departmental O&M	-	6,045,443	-	6,045,443	-	-	-	-	6,045,443

Allocation Percentages: Storage - Other Than Power, Emergency
Fiscal Year Ending 2019

		Functionalization	Allocation Percentages						% Total
			Fixed			Variable Commodity	Other	Hydroelectric	
			Demand	Commodity	Standby				
Departmental O&M									
Group	***Item***								
Office of General Manager		77,085	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Office of General Manager	Board of Directors	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Office of General Manager	Bay Delta Initiatives	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
External Affairs	Legislative Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
External Affairs	Media Communications Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
External Affairs	Manager, External Affairs/Special Projects	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
External Affairs	Conservation & Community Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Human Resources		190,219	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager	19,834	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager, Conveyance & Distribution Section	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager, Treatment Section	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager, Operations Support Services	9,491	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Operations Support Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Desert Region / C&D CRA	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	System Operations Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Power Operations and Planning	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Operations Planning & Programs Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Jensen	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Diemer	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Mills	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Skinner	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Weymouth	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Water Quality Section	604,031	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	C&D, Eastern Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	C&D, Western Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	OSS, Manufacturing Services Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Environmental Health & Safety Section	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	OSS, Fleet Services Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	OSS, Power Support Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager, Operations & Planning Section	1,506	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Security Team & Security Management	1,177,669	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Office of the Chief Financial Officer		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Business Technology	Office of Manager	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Engineering Services		4,157,571	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Business Technology	Administrative Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Business Technology	Information Technology	585,790	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Resources Management	Resource Planning & Development	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Resources Management	Resource Implementation	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Resources Management	Office of the Group Manager	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Ethics Office		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Real Property		736,199	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
General Counsel		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
General Auditor		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Total Departmental O&M		7,559,395	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
GENERAL DISTRICT REQUIREMENTS									
State Water Project									
Supply - O&M		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Supply - Capital		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Power - O&M & Off-Aq Capital		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Power - Capital (less Off-Aq)		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Transmission - Capital - Commodity, Demand, & Standby		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Transmission - O&M - Commodity only		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
CA WaterFix - Capital		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Total State Water Project		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Colorado River Aqueduct Power Costs		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Supply Programs		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Demand Management Programs		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Local Resources Program		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Future Supply Actions		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Conservation Credits Program		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Total Demand Management Programs		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Capital Financing Program		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Revenue Bond Debt Service net of BABs Interest Subsidy Payment		35,076,613	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
G.O. Bond Debt Service		-	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Debt Administration & State Revolving Funds		732,111	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Bond Defeasance		-	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
PAYGO		13,530,013	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Total Capital Financing Program		49,338,738	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Other Operating Costs									
Operating Equipment		140,320	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
OPEB\PERS Pre-Funding		-	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Total Other Operating Costs		140,320	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Increase/(Decrease) in Required Reserves		-	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Total General District Requirements		49,479,057	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
REQUIREMENTS BEFORE OFFSETS:		57,038,452	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Revenue Offsets									
Taxes - MWD Portion of SWP GO Debt Service		-	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Taxes - MWD GO Debt Service		-	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Interest on Investments		550,849	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Hydro-Power Revenue		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
CRA Power Revenue		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Wadsworth Pumping Plant (DVL) Power Revenue (cost in dept)		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Misc. allocated to A&G (Lease, Late Fees, etc.)		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Misc. allocated to supply (PVID Lease, CVWD Revenues)		-	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Taxes - additional from fixed tax rate		-	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Revenue Reserve used for Revenue Bonds - I&P		-	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Annexation		-	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Total Revenue Offsets		550,849	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
NET REVENUE REQUIREMENTS:	-	56,487,603	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

Allocation of Revenue Requirements: Storage - Other Than Power, Emergency
Fiscal Year Ending 2019

		Functionalization	Allocation Percentages						Total
			Fixed			Variable Commodity	Other	Hydroelectric	
			Demand	Commodity	Standby				
Departmental O&M									
Group	***Item***								
Office of General Manager		77,085	-	77,085	-	-	-	-	77,085
Office of General Manager	Board of Directors	-	-	-	-	-	-	-	-
Office of General Manager	Bay Delta Initiatives	-	-	-	-	-	-	-	-
External Affairs	Legislative Services	-	-	-	-	-	-	-	-
External Affairs	Media Communications Services	-	-	-	-	-	-	-	-
External Affairs	Manager, External Affairs/Special Projects	-	-	-	-	-	-	-	-
External Affairs	Conservation & Community Services	-	-	-	-	-	-	-	-
Human Resources		190,219	-	190,219	-	-	-	-	190,219
Water Systems Operations	Office of the Manager	19,834	-	19,834	-	-	-	-	19,834
Water Systems Operations	Office of the Manager, Conveyance & Distribution S	-	-	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Treatment Section	-	-	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Operations Support Service	9,491	-	9,491	-	-	-	-	9,491
Water Systems Operations	Operations Support Services	-	-	-	-	-	-	-	-
Water Systems Operations	Desert Region / C&D CRA	-	-	-	-	-	-	-	-
Water Systems Operations	System Operations Unit	-	-	-	-	-	-	-	-
Water Systems Operations	Power Operations and Planning	-	-	-	-	-	-	-	-
Water Systems Operations	Operations Planning & Programs Unit	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Jensen	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Diemer	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Mills	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Skinner	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Weymouth	-	-	-	-	-	-	-	-
Water Systems Operations	Water Quality Section	604,031	-	604,031	-	-	-	-	604,031
Water Systems Operations	C&D, Eastern Unit	-	-	-	-	-	-	-	-
Water Systems Operations	C&D, Western Unit	-	-	-	-	-	-	-	-
Water Systems Operations	OSS, Manufacturing Services Unit	-	-	-	-	-	-	-	-
Water Systems Operations	Environmental Health & Safety Section	-	-	-	-	-	-	-	-
Water Systems Operations	OSS, Fleet Services Unit	-	-	-	-	-	-	-	-
Water Systems Operations	OSS, Power Support Unit	-	-	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Operations & Planning Secti	1,506	-	1,506	-	-	-	-	1,506
Water Systems Operations	Security Team & Security Management	1,177,669	-	1,177,669	-	-	-	-	1,177,669
Office of the Chief Financial O		-	-	-	-	-	-	-	-
Business Technology	Office of Manager	-	-	-	-	-	-	-	-
Engineering Services		4,157,571	-	4,157,571	-	-	-	-	4,157,571
Business Technology	Administrative Services	-	-	-	-	-	-	-	-
Business Technology	Information Technology	585,790	-	585,790	-	-	-	-	585,790
Water Resources Managemen	Resource Planning & Development	-	-	-	-	-	-	-	-
Water Resources Managemen	Resource Implementation	-	-	-	-	-	-	-	-
Water Resources Managemen	Office of the Group Manager	-	-	-	-	-	-	-	-
Ethics Office		-	-	-	-	-	-	-	-
Real Property		736,199	-	736,199	-	-	-	-	736,199
General Counsel		-	-	-	-	-	-	-	-
General Auditor		-	-	-	-	-	-	-	-
Total Departmental O&M	-	7,559,395	-	7,559,395	-	-	-	-	7,559,395
		-							-
GENERAL DISTRICT REQUIREMENTS		-	-	-	-	-	-	-	-
		-							-
State Water Project		-	-	-	-	-	-	-	-
Supply - O&M		-	-	-	-	-	-	-	-
Supply - Capital		-	-	-	-	-	-	-	-
Power - O&M & Off-Aq Capital		-	-	-	-	-	-	-	-
Power - Capital (less Off-Aq)		-	-	-	-	-	-	-	-
Transmission - Capital - Commodity, Demand, & Standby		-	-	-	-	-	-	-	-
Transmission - O&M - Commodity only		-	-	-	-	-	-	-	-
CA WaterFix - Capital		-	-	-	-	-	-	-	-
Total State Water Project		-	-	-	-	-	-	-	-
		-							-
Colorado River Aqueduct Power Costs		-	-	-	-	-	-	-	-
		-							-
Supply Programs		-	-	-	-	-	-	-	-
									-
Demand Management Programs		-	-	-	-	-	-	-	-
Local Resources Program		-	-	-	-	-	-	-	-
Future Supply Actions		-	-	-	-	-	-	-	-
Conservation Credits Program		-	-	-	-	-	-	-	-
Total Demand Management Programs		-	-	-	-	-	-	-	-
Capital Financing Program		-	-	-	-	-	-	-	-
Revenue Bond Debt Service net of BABs Interest Subsidy Payment		35,076,613	-	-	35,076,613	-	-	-	35,076,613
G.O. Bond Debt Service		-	-	-	-	-	-	-	-
Debt Administration & State Revolving Funds		732,111	-	-	732,111	-	-	-	732,111
Bond Defeasance		-	-	-	-	-	-	-	-
PAYGO		13,530,013	-	-	13,530,013	-	-	-	13,530,013
Total Capital Financing Program		49,338,738	-	-	49,338,738	-	-	-	49,338,738
Other Operating Costs		-	-	-	-	-	-	-	-
Operating Equipment		140,320	-	-	140,320	-	-	-	140,320
OPEB\PERS Pre-Funding		-	-	-	-	-	-	-	-
Total Other Operating Costs		140,320	-	-	140,320	-	-	-	140,320
Increase/(Decrease) in Required Reserves		-	-	-	-	-	-	-	-
Total General District Requirements		49,479,057	-	-	49,479,057	-	-	-	49,479,057
REQUIREMENTS BEFORE OFFSETS:		57,038,452	-	7,559,395	49,479,057	-	-	-	57,038,452
Revenue Offsets									
Taxes - MWD Portion of SWP GO Debt Service		-	-	-	-	-	-	-	-
Taxes - MWD GO Debt Service		-	-	-	-	-	-	-	-
Interest on Investments		550,849	-	-	550,849	-	-	-	550,849
Hydro-Power Revenue		-	-	-	-	-	-	-	-
CRA Power Revenue		-	-	-	-	-	-	-	-
Wadsworth Pumping Plant (DVL) Power Revenue (cost in dept)		-	-	-	-	-	-	-	-
Misc. allocated to A&G (Lease, Late Fees, etc.)		-	-	-	-	-	-	-	-
Misc. allocated to supply (PVID Lease, CVWD Revenues)		-	-	-	-	-	-	-	-
Taxes - additional from fixed tax rate		-	-	-	-	-	-	-	-
Revenue Reserve used for Revenue Bonds - I&P		-	-	-	-	-	-	-	-
Annexation		-	-	-	-	-	-	-	-
Total Revenue Offsets		550,849	-	-	550,849	-	-	-	550,849
NET REVENUE REQUIREMENTS:		56,487,603	-	7,559,395	48,928,208	-	-	-	56,487,603

Direct Labor used for A&G Allocation
Allocation of Revenue Requirements: Storage - Other Than Power, Emergency
Fiscal Year Ending 2019

		Functionalization	Allocation Percentages						Total
			Fixed			Variable Commodity	Other	Hydroelectric	
			Demand	Commodity	Standby				
Departmental O&M									
Group	***Item***								
Office of General Manager		70,027	-	70,027	-	-	-	-	70,027
Office of General Manager	Board of Directors	-	-	-	-	-	-	-	-
Office of General Manager	Bay Delta Initiatives	-	-	-	-	-	-	-	-
External Affairs	Legislative Services	-	-	-	-	-	-	-	-
External Affairs	Media Communications Services	-	-	-	-	-	-	-	-
External Affairs	Manager, External Affairs/Special Projects	-	-	-	-	-	-	-	-
External Affairs	Conservation & Community Services	-	-	-	-	-	-	-	-
Human Resources		152,244	-	152,244	-	-	-	-	152,244
Water Systems Operations	Office of the Manager	11,793	-	11,793	-	-	-	-	11,793
Water Systems Operations	Office of the Manager, Conveyance & Distribution Section	-	-	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Treatment Section	-	-	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Operations Support Services	8,379	-	8,379	-	-	-	-	8,379
Water Systems Operations	Operations Support Services	-	-	-	-	-	-	-	-
Water Systems Operations	Desert Region / C&D CRA	-	-	-	-	-	-	-	-
Water Systems Operations	System Operations Unit	-	-	-	-	-	-	-	-
Water Systems Operations	Power Operations and Planning	-	-	-	-	-	-	-	-
Water Systems Operations	Operations Planning & Programs Unit	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Jensen	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Diemer	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Mills	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Skinner	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Weymouth	-	-	-	-	-	-	-	-
Water Systems Operations	Water Quality Section	493,157	-	493,157	-	-	-	-	493,157
Water Systems Operations	C&D, Eastern Unit	-	-	-	-	-	-	-	-
Water Systems Operations	C&D, Western Unit	-	-	-	-	-	-	-	-
Water Systems Operations	OSS, Manufacturing Services Unit	-	-	-	-	-	-	-	-
Water Systems Operations	Environmental Health & Safety Section	-	-	-	-	-	-	-	-
Water Systems Operations	OSS, Fleet Services Unit	-	-	-	-	-	-	-	-
Water Systems Operations	OSS, Power Support Unit	-	-	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Operations & Planning Section	1,523	-	1,523	-	-	-	-	1,523
Water Systems Operations	Security Team & Security Management	227,377	-	227,377	-	-	-	-	227,377
Office of the Chief Financial Of		-	-	-	-	-	-	-	-
Business Technology	Office of Manager	-	-	-	-	-	-	-	-
Engineering Services		3,637,575	-	3,637,575	-	-	-	-	3,637,575
Business Technology	Administrative Services	-	-	-	-	-	-	-	-
Business Technology	Information Technology	434,540	-	434,540	-	-	-	-	434,540
Water Resources Managemen	Resource Planning & Development	-	-	-	-	-	-	-	-
Water Resources Managemen	Resource Implementation	-	-	-	-	-	-	-	-
Water Resources Managemen	Office of the Group Manager	-	-	-	-	-	-	-	-
Ethics Office		-	-	-	-	-	-	-	-
Real Property		318,168	-	318,168	-	-	-	-	318,168
General Counsel		-	-	-	-	-	-	-	-
General Auditor		-	-	-	-	-	-	-	-
Total Departmental O&M	-	5,354,783	-	5,354,783	-	-	-	-	5,354,783

Allocation Percentages: Storage - Other Than Power, Drought
Fiscal Year Ending 2019

		Functionalization	Allocation Percentages						% Total
			Fixed			Variable Commodity	Other	Hydroelectric	
			Demand	Commodity	Standby				
Departmental O&M									
Group	***Item***								
Office of General Manager		65,998	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Office of General Manager	Board of Directors	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Office of General Manager	Bay Delta Initiatives	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
External Affairs	Legislative Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
External Affairs	Media Communications Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
External Affairs	Manager, External Affairs/Special Projects	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
External Affairs	Conservation & Community Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Human Resources		162,861	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager	18,799	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager, Conveyance & Distribution Section	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager, Treatment Section	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager, Operations Support Services	8,995	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Operations Support Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Desert Region / C&D CRA	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	System Operations Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Power Operations and Planning	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Operations Planning & Programs Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Jensen	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Diemer	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Mills	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Skinner	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Weymouth	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Water Quality Section	604,031	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	C&D, Eastern Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	C&D, Western Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	OSS, Manufacturing Services Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Environmental Health & Safety Section	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	OSS, Fleet Services Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	OSS, Power Support Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager, Operations & Planning Section	1,428	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Security Team & Security Management	982,783	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Office of the Chief Financial Officer		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Business Technology	Office of Manager	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Engineering Services		3,469,557	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Business Technology	Administrative Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Business Technology	Information Technology	501,539	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Resources Management	Resource Planning & Development	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Resources Management	Resource Implementation	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Resources Management	Office of the Group Manager	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Ethics Office		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Real Property		656,178	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
General Counsel		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
General Auditor		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Total Departmental O&M		6,472,168	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
GENERAL DISTRICT REQUIREMENTS									
State Water Project									
Supply - O&M		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Supply - Capital		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Power - O&M & Off-Aq Capital		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Power - Capital (less Off-Aq)		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Transmission - Capital - Commodity, Demand, & Standby		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Transmission - O&M - Commodity only		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
CA WaterFix - Capital		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Total State Water Project		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Colorado River Aqueduct Power Costs		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Supply Programs		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Demand Management Programs		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Local Resources Program		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Future Supply Actions		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Conservation Credits Program		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Total Demand Management Programs		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Capital Financing Program		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Revenue Bond Debt Service net of BABs Interest Subsidy Payment		29,271,974	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
G.O. Bond Debt Service		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Debt Administration & State Revolving Funds		610,958	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Bond Defeasance		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
PAYGO		11,291,005	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Total Capital Financing Program		41,173,936	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Other Operating Costs									
Operating Equipment		120,148	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
OPEB\PERS Pre-Funding		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Total Other Operating Costs		120,148	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Increase/(Decrease) in Required Reserves		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Total General District Requirements		41,294,084	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
REQUIREMENTS BEFORE OFFSETS:		47,766,252	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Revenue Offsets									
Taxes - MWD Portion of SWP GO Debt Service		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Taxes - MWD GO Debt Service		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Interest on Investments		461,303	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Hydro-Power Revenue		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
CRA Power Revenue		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Wadsworth Pumping Plant (DVL) Power Revenue (cost in dept)		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Misc. allocated to A&G (Lease, Late Fees, etc.)		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Misc. allocated to supply (PVID Lease, CVWD Revenues)		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Taxes - additional from fixed tax rate		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Revenue Reserve used for Revenue Bonds - I&P		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Annexation		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Total Revenue Offsets		461,303	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
NET REVENUE REQUIREMENTS:	-	47,304,949	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

Allocation of Revenue Requirements: Storage - Other Than Power, Drought
Fiscal Year Ending 2019

		Functionalization	Allocation Percentages						Total
			Fixed			Variable Commodity	Other	Hydroelectric	
			Demand	Commodity	Standby				
Departmental O&M									
Group	***Item***								
Office of General Manager		65,998	-	65,998	-	-	-	-	65,998
Office of General Manager	Board of Directors	-	-	-	-	-	-	-	-
Office of General Manager	Bay Delta Initiatives	-	-	-	-	-	-	-	-
External Affairs	Legislative Services	-	-	-	-	-	-	-	-
External Affairs	Media Communications Services	-	-	-	-	-	-	-	-
External Affairs	Manager, External Affairs/Special Projects	-	-	-	-	-	-	-	-
External Affairs	Conservation & Community Services	-	-	-	-	-	-	-	-
Human Resources		162,861	-	162,861	-	-	-	-	162,861
Water Systems Operations	Office of the Manager	18,799	-	18,799	-	-	-	-	18,799
Water Systems Operations	Office of the Manager, Conveyance & Distribution S	-	-	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Treatment Section	-	-	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Operations Support Service	8,995	-	8,995	-	-	-	-	8,995
Water Systems Operations	Operations Support Services	-	-	-	-	-	-	-	-
Water Systems Operations	Desert Region / C&D CRA	-	-	-	-	-	-	-	-
Water Systems Operations	System Operations Unit	-	-	-	-	-	-	-	-
Water Systems Operations	Power Operations and Planning	-	-	-	-	-	-	-	-
Water Systems Operations	Operations Planning & Programs Unit	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Jensen	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Diemer	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Mills	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Skinner	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Weymouth	-	-	-	-	-	-	-	-
Water Systems Operations	Water Quality Section	604,031	-	604,031	-	-	-	-	604,031
Water Systems Operations	C&D, Eastern Unit	-	-	-	-	-	-	-	-
Water Systems Operations	C&D, Western Unit	-	-	-	-	-	-	-	-
Water Systems Operations	OSS, Manufacturing Services Unit	-	-	-	-	-	-	-	-
Water Systems Operations	Environmental Health & Safety Section	-	-	-	-	-	-	-	-
Water Systems Operations	OSS, Fleet Services Unit	-	-	-	-	-	-	-	-
Water Systems Operations	OSS, Power Support Unit	-	-	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Operations & Planning Secti	1,428	-	1,428	-	-	-	-	1,428
Water Systems Operations	Security Team & Security Management	982,783	-	982,783	-	-	-	-	982,783
Office of the Chief Financial O		-	-	-	-	-	-	-	-
Business Technology	Office of Manager	-	-	-	-	-	-	-	-
Engineering Services		3,469,557	-	3,469,557	-	-	-	-	3,469,557
Business Technology	Administrative Services	-	-	-	-	-	-	-	-
Business Technology	Information Technology	501,539	-	501,539	-	-	-	-	501,539
Water Resources Managemen	Resource Planning & Development	-	-	-	-	-	-	-	-
Water Resources Managemen	Resource Implementation	-	-	-	-	-	-	-	-
Water Resources Managemen	Office of the Group Manager	-	-	-	-	-	-	-	-
Ethics Office		-	-	-	-	-	-	-	-
Real Property		656,178	-	656,178	-	-	-	-	656,178
General Counsel		-	-	-	-	-	-	-	-
General Auditor		-	-	-	-	-	-	-	-
Total Departmental O&M	-	6,472,168	-	6,472,168	-	-	-	-	6,472,168
		-							-
GENERAL DISTRICT REQUIREMENTS		-	-	-	-	-	-	-	-
		-							-
State Water Project		-	-	-	-	-	-	-	-
Supply - O&M		-	-	-	-	-	-	-	-
Supply - Capital		-	-	-	-	-	-	-	-
Power - O&M & Off-Aq Capital		-	-	-	-	-	-	-	-
Power - Capital (less Off-Aq)		-	-	-	-	-	-	-	-
Transmission - Capital - Commodity, Demand, & Standby		-	-	-	-	-	-	-	-
Transmission - O&M - Commodity only		-	-	-	-	-	-	-	-
CA WaterFix - Capital		-	-	-	-	-	-	-	-
Total State Water Project		-	-	-	-	-	-	-	-
		-							-
Colorado River Aqueduct Power Costs		-	-	-	-	-	-	-	-
		-							-
Supply Programs		-	-	-	-	-	-	-	-
									-
Demand Management Programs		-	-	-	-	-	-	-	-
Local Resources Program		-	-	-	-	-	-	-	-
Future Supply Actions		-	-	-	-	-	-	-	-
Conservation Credits Program		-	-	-	-	-	-	-	-
Total Demand Management Programs		-	-	-	-	-	-	-	-
Capital Financing Program		-	-	-	-	-	-	-	-
Revenue Bond Debt Service net of BABs Interest Subsidy Payment		29,271,974	-	29,271,974	-	-	-	-	29,271,974
G.O. Bond Debt Service		-	-	-	-	-	-	-	-
Debt Administration & State Revolving Funds		610,958	-	610,958	-	-	-	-	610,958
Bond Defeasance		-	-	-	-	-	-	-	-
PAYGO		11,291,005	-	11,291,005	-	-	-	-	11,291,005
Total Capital Financing Program		41,173,936	-	41,173,936	-	-	-	-	41,173,936
Other Operating Costs		-	-	-	-	-	-	-	-
Operating Equipment		120,148	-	120,148	-	-	-	-	120,148
OPEB\PERS Pre-Funding		-	-	-	-	-	-	-	-
Total Other Operating Costs		120,148	-	120,148	-	-	-	-	120,148
Increase/(Decrease) in Required Reserves		-	-	-	-	-	-	-	-
Total General District Requirements		41,294,084	-	41,294,084	-	-	-	-	41,294,084
REQUIREMENTS BEFORE OFFSETS:		47,766,252	-	47,766,252	-	-	-	-	47,766,252
Revenue Offsets									
Taxes - MWD Portion of SWP GO Debt Service		-	-	-	-	-	-	-	-
Taxes - MWD GO Debt Service		-	-	-	-	-	-	-	-
Interest on Investments		461,303	-	461,303	-	-	-	-	461,303
Hydro-Power Revenue		-	-	-	-	-	-	-	-
CRA Power Revenue		-	-	-	-	-	-	-	-
Wadsworth Pumping Plant (DVL) Power Revenue (cost in dept)		-	-	-	-	-	-	-	-
Misc. allocated to A&G (Lease, Late Fees, etc.)		-	-	-	-	-	-	-	-
Misc. allocated to supply (PVID Lease, CVWD Revenues)		-	-	-	-	-	-	-	-
Taxes - additional from fixed tax rate		-	-	-	-	-	-	-	-
Revenue Reserve used for Revenue Bonds - I&P		-	-	-	-	-	-	-	-
Annexation		-	-	-	-	-	-	-	-
Total Revenue Offsets		461,303	-	461,303	-	-	-	-	461,303
NET REVENUE REQUIREMENTS:		47,304,949	-	47,304,949	-	-	-	-	47,304,949

Direct Labor used for A&G Allocation
Allocation of Revenue Requirements: Storage - Other Than Power, Drought
Fiscal Year Ending 2019

		Functionalization	Allocation Percentages						Total
			Fixed			Variable Commodity	Other	Hydroelectric	
			Demand	Commodity	Standby				
Departmental O&M									
Group	***Item***								
Office of General Manager		59,955	-	59,955	-	-	-	-	59,955
Office of General Manager	Board of Directors	-	-	-	-	-	-	-	-
Office of General Manager	Bay Delta Initiatives	-	-	-	-	-	-	-	-
External Affairs	Legislative Services	-	-	-	-	-	-	-	-
External Affairs	Media Communications Services	-	-	-	-	-	-	-	-
External Affairs	Manager, External Affairs/Special Projects	-	-	-	-	-	-	-	-
External Affairs	Conservation & Community Services	-	-	-	-	-	-	-	-
Human Resources		130,347	-	130,347	-	-	-	-	130,347
Water Systems Operations	Office of the Manager	11,177	-	11,177	-	-	-	-	11,177
Water Systems Operations	Office of the Manager, Conveyance & Distribution Section	-	-	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Treatment Section	-	-	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Operations Support Services	7,942	-	7,942	-	-	-	-	7,942
Water Systems Operations	Operations Support Services	-	-	-	-	-	-	-	-
Water Systems Operations	Desert Region / C&D CRA	-	-	-	-	-	-	-	-
Water Systems Operations	System Operations Unit	-	-	-	-	-	-	-	-
Water Systems Operations	Power Operations and Planning	-	-	-	-	-	-	-	-
Water Systems Operations	Operations Planning & Programs Unit	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Jensen	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Diemer	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Mills	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Skinner	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Weymouth	-	-	-	-	-	-	-	-
Water Systems Operations	Water Quality Section	493,157	-	493,157	-	-	-	-	493,157
Water Systems Operations	C&D, Eastern Unit	-	-	-	-	-	-	-	-
Water Systems Operations	C&D, Western Unit	-	-	-	-	-	-	-	-
Water Systems Operations	OSS, Manufacturing Services Unit	-	-	-	-	-	-	-	-
Water Systems Operations	Environmental Health & Safety Section	-	-	-	-	-	-	-	-
Water Systems Operations	OSS, Fleet Services Unit	-	-	-	-	-	-	-	-
Water Systems Operations	OSS, Power Support Unit	-	-	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Operations & Planning Section	1,443	-	1,443	-	-	-	-	1,443
Water Systems Operations	Security Team & Security Management	189,750	-	189,750	-	-	-	-	189,750
Office of the Chief Financial Of		-	-	-	-	-	-	-	-
Business Technology	Office of Manager	-	-	-	-	-	-	-	-
Engineering Services		3,035,613	-	3,035,613	-	-	-	-	3,035,613
Business Technology	Administrative Services	-	-	-	-	-	-	-	-
Business Technology	Information Technology	372,043	-	372,043	-	-	-	-	372,043
Water Resources Managemen	Resource Planning & Development	-	-	-	-	-	-	-	-
Water Resources Managemen	Resource Implementation	-	-	-	-	-	-	-	-
Water Resources Managemen	Office of the Group Manager	-	-	-	-	-	-	-	-
Ethics Office		-	-	-	-	-	-	-	-
Real Property		283,584	-	283,584	-	-	-	-	283,584
General Counsel		-	-	-	-	-	-	-	-
General Auditor		-	-	-	-	-	-	-	-
Total Departmental O&M	-	4,585,011	-	4,585,011	-	-	-	-	4,585,011

Allocation Percentages: Storage - Other Than Power, Regulatory
Fiscal Year Ending 2019

		Functionalization	Allocation Percentages						% Total
			Fixed			Variable Commodity	Other	Hydroelectric	
			Demand	Commodity	Standby				
Departmental O&M									
Group	***Item***								
Office of General Manager		27,836	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Office of General Manager	Board of Directors	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Office of General Manager	Bay Delta Initiatives	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
External Affairs	Legislative Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
External Affairs	Media Communications Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
External Affairs	Manager, External Affairs/Special Projects	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
External Affairs	Conservation & Community Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Human Resources		68,691	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager	15,586	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager, Conveyance & Distribution Section	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager, Treatment Section	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager, Operations Support Services	7,458	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Operations Support Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Desert Region / C&D CRA	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	System Operations Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Power Operations and Planning	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Operations Planning & Programs Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Jensen	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Diemer	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Mills	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Skinner	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Weymouth	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Water Quality Section	604,031	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	C&D, Eastern Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	C&D, Western Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	OSS, Manufacturing Services Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Environmental Health & Safety Section	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	OSS, Fleet Services Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	OSS, Power Support Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager, Operations & Planning Section	1,184	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Security Team & Security Management	378,220	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Office of the Chief Financial Officer		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Business Technology	Office of Manager	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Engineering Services		1,335,244	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Business Technology	Administrative Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Business Technology	Information Technology	211,537	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Resources Management	Resource Planning & Development	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Resources Management	Resource Implementation	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Resources Management	Office of the Group Manager	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Ethics Office		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Real Property		80,022	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
General Counsel		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
General Auditor		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Total Departmental O&M		2,729,808	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
GENERAL DISTRICT REQUIREMENTS									
State Water Project									
Supply - O&M		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Supply - Capital		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Power - O&M & Off-Aq Capital		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Power - Capital (less Off-Aq)		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Transmission - Capital - Commodity, Demand, & Standby		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Transmission - O&M - Commodity only		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
CA WaterFix - Capital		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Total State Water Project		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Colorado River Aqueduct Power Costs		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Supply Programs		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Demand Management Programs		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Local Resources Program		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Future Supply Actions		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Conservation Credits Program		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Total Demand Management Programs		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Capital Financing Program		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Revenue Bond Debt Service net of BABs Interest Subsidy Payment		11,265,193	31.9%	41.4%	26.7%	0.0%	0.0%	0.0%	100.0%
G.O. Bond Debt Service		-	31.9%	41.4%	26.7%	0.0%	0.0%	0.0%	100.0%
Debt Administration & State Revolving Funds		235,124	31.9%	41.4%	26.7%	0.0%	0.0%	0.0%	100.0%
Bond Defeasance		-	31.9%	41.4%	26.7%	0.0%	0.0%	0.0%	100.0%
PAYGO		4,345,294	31.9%	41.4%	26.7%	0.0%	0.0%	0.0%	100.0%
Total Capital Financing Program		15,845,612	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Other Operating Costs									
Operating Equipment		53,018	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
OPEB\PERS Pre-Funding		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Total Other Operating Costs		53,018	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Increase/(Decrease) in Required Reserves		-	31.8%	41.6%	26.6%	0.0%	0.0%	0.0%	100.0%
Total General District Requirements		15,898,630	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
REQUIREMENTS BEFORE OFFSETS:		18,628,438	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Revenue Offsets									
Taxes - MWD Portion of SWP GO Debt Service		-	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Taxes - MWD GO Debt Service		-	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Interest on Investments		179,904	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Hydro-Power Revenue		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
CRA Power Revenue		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Wadsworth Pumping Plant (DVL) Power Revenue (cost in dept)		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Misc. allocated to A&G (Lease, Late Fees, etc.)		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Misc. allocated to supply (PVID Lease, CVWD Revenues)		-	27.2%	50.1%	22.7%	0.0%	0.0%	0.0%	100.0%
Taxes - additional from fixed tax rate		-	31.9%	41.4%	26.7%	0.0%	0.0%	0.0%	100.0%
Revenue Reserve used for Revenue Bonds - I&P		-	31.9%	41.4%	26.7%	0.0%	0.0%	0.0%	100.0%
Annexation		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Total Revenue Offsets		179,904	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
NET REVENUE REQUIREMENTS:	-	18,448,534	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

Allocation of Revenue Requirements: Storage - Other Than Power, Regulatory
Fiscal Year Ending 2019

		Functionalization	Allocation Percentages						Total
			Fixed			Variable Commodity	Other	Hydroelectric	
			Demand	Commodity	Standby				
Departmental O&M									
Group	***Item***								
Office of General Manager		27,836	-	27,836	-	-	-	-	27,836
Office of General Manager	Board of Directors	-	-	-	-	-	-	-	-
Office of General Manager	Bay Delta Initiatives	-	-	-	-	-	-	-	-
External Affairs	Legislative Services	-	-	-	-	-	-	-	-
External Affairs	Media Communications Services	-	-	-	-	-	-	-	-
External Affairs	Manager, External Affairs/Special Projects	-	-	-	-	-	-	-	-
External Affairs	Conservation & Community Services	-	-	-	-	-	-	-	-
Human Resources		68,691	-	68,691	-	-	-	-	68,691
Water Systems Operations	Office of the Manager	15,586	-	15,586	-	-	-	-	15,586
Water Systems Operations	Office of the Manager, Conveyance & Distribution S	-	-	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Treatment Section	-	-	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Operations Support Service	7,458	-	7,458	-	-	-	-	7,458
Water Systems Operations	Operations Support Services	-	-	-	-	-	-	-	-
Water Systems Operations	Desert Region / C&D CRA	-	-	-	-	-	-	-	-
Water Systems Operations	System Operations Unit	-	-	-	-	-	-	-	-
Water Systems Operations	Power Operations and Planning	-	-	-	-	-	-	-	-
Water Systems Operations	Operations Planning & Programs Unit	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Jensen	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Diemer	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Mills	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Skinner	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Weymouth	-	-	-	-	-	-	-	-
Water Systems Operations	Water Quality Section	604,031	-	604,031	-	-	-	-	604,031
Water Systems Operations	C&D, Eastern Unit	-	-	-	-	-	-	-	-
Water Systems Operations	C&D, Western Unit	-	-	-	-	-	-	-	-
Water Systems Operations	OSS, Manufacturing Services Unit	-	-	-	-	-	-	-	-
Water Systems Operations	Environmental Health & Safety Section	-	-	-	-	-	-	-	-
Water Systems Operations	OSS, Fleet Services Unit	-	-	-	-	-	-	-	-
Water Systems Operations	OSS, Power Support Unit	-	-	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Operations & Planning Secti	1,184	-	1,184	-	-	-	-	1,184
Water Systems Operations	Security Team & Security Management	378,220	-	378,220	-	-	-	-	378,220
Office of the Chief Financial O		-	-	-	-	-	-	-	-
Business Technology	Office of Manager	-	-	-	-	-	-	-	-
Engineering Services		1,335,244	-	1,335,244	-	-	-	-	1,335,244
Business Technology	Administrative Services	-	-	-	-	-	-	-	-
Business Technology	Information Technology	211,537	-	211,537	-	-	-	-	211,537
Water Resources Managemen	Resource Planning & Development	-	-	-	-	-	-	-	-
Water Resources Managemen	Resource Implementation	-	-	-	-	-	-	-	-
Water Resources Managemen	Office of the Group Manager	-	-	-	-	-	-	-	-
Ethics Office		-	-	-	-	-	-	-	-
Real Property		80,022	-	80,022	-	-	-	-	80,022
General Counsel		-	-	-	-	-	-	-	-
General Auditor		-	-	-	-	-	-	-	-
Total Departmental O&M	-	2,729,808	-	2,729,808	-	-	-	-	2,729,808
		-							-
GENERAL DISTRICT REQUIREMENTS		-	-	-	-	-	-	-	-
		-							-
State Water Project		-	-	-	-	-	-	-	-
Supply - O&M		-	-	-	-	-	-	-	-
Supply - Capital		-	-	-	-	-	-	-	-
Power - O&M & Off-Aq Capital		-	-	-	-	-	-	-	-
Power - Capital (less Off-Aq)		-	-	-	-	-	-	-	-
Transmission - Capital - Commodity, Demand, & Standby		-	-	-	-	-	-	-	-
Transmission - O&M - Commodity only		-	-	-	-	-	-	-	-
CA WaterFix - Capital		-	-	-	-	-	-	-	-
Total State Water Project		-	-	-	-	-	-	-	-
		-							-
Colorado River Aqueduct Power Costs		-	-	-	-	-	-	-	-
		-							-
Supply Programs		-	-	-	-	-	-	-	-
									-
Demand Management Programs		-	-	-	-	-	-	-	-
Local Resources Program		-	-	-	-	-	-	-	-
Future Supply Actions		-	-	-	-	-	-	-	-
Conservation Credits Program		-	-	-	-	-	-	-	-
Total Demand Management Programs		-	-	-	-	-	-	-	-
Capital Financing Program		-	-	-	-	-	-	-	-
Revenue Bond Debt Service net of BABs Interest Subsidy Payment		11,265,193	3,596,945	4,659,426	3,008,822	-	-	-	11,265,193
G.O. Bond Debt Service		-	-	-	-	-	-	-	-
Debt Administration & State Revolving Funds		235,124	75,075	97,250	62,799	-	-	-	235,124
Bond Defeasance		-	-	-	-	-	-	-	-
PAYGO		4,345,294	1,387,441	1,797,269	1,160,585	-	-	-	4,345,294
Total Capital Financing Program		15,845,612	5,059,460	6,553,945	4,232,207	-	-	-	15,845,612
Other Operating Costs		-	-	-	-	-	-	-	-
Operating Equipment		53,018	-	53,018	-	-	-	-	53,018
OPEB\PERS Pre-Funding		-	-	-	-	-	-	-	-
Total Other Operating Costs		53,018	-	53,018	-	-	-	-	53,018
Increase/(Decrease) in Required Reserves		-	-	-	-	-	-	-	-
Total General District Requirements		15,898,630	5,059,460	6,606,963	4,232,207	-	-	-	15,898,630
REQUIREMENTS BEFORE OFFSETS:		18,628,438	5,059,460	9,336,771	4,232,207	-	-	-	18,628,438
Revenue Offsets									
Taxes - MWD Portion of SWP GO Debt Service		-	-	-	-	-	-	-	-
Taxes - MWD GO Debt Service		-	-	-	-	-	-	-	-
Interest on Investments		179,904	-	179,904	-	-	-	-	179,904
Hydro-Power Revenue		-	-	-	-	-	-	-	-
CRA Power Revenue		-	-	-	-	-	-	-	-
Wadsworth Pumping Plant (DVL) Power Revenue (cost in dept)		-	-	-	-	-	-	-	-
Misc. allocated to A&G (Lease, Late Fees, etc.)		-	-	-	-	-	-	-	-
Misc. allocated to supply (PVID Lease, CVWD Revenues)		-	-	-	-	-	-	-	-
Taxes - additional from fixed tax rate		-	-	-	-	-	-	-	-
Revenue Reserve used for Revenue Bonds - I&P		-	-	-	-	-	-	-	-
Annexation		-	-	-	-	-	-	-	-
Total Revenue Offsets		179,904	-	179,904	-	-	-	-	179,904
NET REVENUE REQUIREMENTS:		18,448,534	5,059,460	9,156,867	4,232,207	-	-	-	18,448,534

Direct Labor used for A&G Allocation
Allocation of Revenue Requirements: Storage - Other Than Power, Regulatory
Fiscal Year Ending 2019

		Functionalization	Allocation Percentages						Total
			Fixed			Variable Commodity	Other	Hydroelectric	
			Demand	Commodity	Standby				
Departmental O&M									
Group	***Item***								
Office of General Manager		25,288	-	25,288	-	-	-	-	25,288
Office of General Manager	Board of Directors	-	-	-	-	-	-	-	-
Office of General Manager	Bay Delta Initiatives	-	-	-	-	-	-	-	-
External Affairs	Legislative Services	-	-	-	-	-	-	-	-
External Affairs	Media Communications Services	-	-	-	-	-	-	-	-
External Affairs	Manager, External Affairs/Special Projects	-	-	-	-	-	-	-	-
External Affairs	Conservation & Community Services	-	-	-	-	-	-	-	-
Human Resources		54,977	-	54,977	-	-	-	-	54,977
Water Systems Operations	Office of the Manager	9,267	-	9,267	-	-	-	-	9,267
Water Systems Operations	Office of the Manager, Conveyance & Distribution Section	-	-	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Treatment Section	-	-	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Operations Support Services	6,584	-	6,584	-	-	-	-	6,584
Water Systems Operations	Operations Support Services	-	-	-	-	-	-	-	-
Water Systems Operations	Desert Region / C&D CRA	-	-	-	-	-	-	-	-
Water Systems Operations	System Operations Unit	-	-	-	-	-	-	-	-
Water Systems Operations	Power Operations and Planning	-	-	-	-	-	-	-	-
Water Systems Operations	Operations Planning & Programs Unit	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Jensen	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Diemer	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Mills	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Skinner	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Weymouth	-	-	-	-	-	-	-	-
Water Systems Operations	Water Quality Section	493,157	-	493,157	-	-	-	-	493,157
Water Systems Operations	C&D, Eastern Unit	-	-	-	-	-	-	-	-
Water Systems Operations	C&D, Western Unit	-	-	-	-	-	-	-	-
Water Systems Operations	OSS, Manufacturing Services Unit	-	-	-	-	-	-	-	-
Water Systems Operations	Environmental Health & Safety Section	-	-	-	-	-	-	-	-
Water Systems Operations	OSS, Fleet Services Unit	-	-	-	-	-	-	-	-
Water Systems Operations	OSS, Power Support Unit	-	-	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Operations & Planning Section	1,197	-	1,197	-	-	-	-	1,197
Water Systems Operations	Security Team & Security Management	73,024	-	73,024	-	-	-	-	73,024
Office of the Chief Financial Of		-	-	-	-	-	-	-	-
Business Technology	Office of Manager	-	-	-	-	-	-	-	-
Engineering Services		1,168,242	-	1,168,242	-	-	-	-	1,168,242
Business Technology	Administrative Services	-	-	-	-	-	-	-	-
Business Technology	Information Technology	156,919	-	156,919	-	-	-	-	156,919
Water Resources Managemen	Resource Planning & Development	-	-	-	-	-	-	-	-
Water Resources Managemen	Resource Implementation	-	-	-	-	-	-	-	-
Water Resources Managemen	Office of the Group Manager	-	-	-	-	-	-	-	-
Ethics Office		-	-	-	-	-	-	-	-
Real Property		34,583	-	34,583	-	-	-	-	34,583
General Counsel		-	-	-	-	-	-	-	-
General Auditor		-	-	-	-	-	-	-	-
Total Departmental O&M	-	2,023,239	-	2,023,239	-	-	-	-	2,023,239

Allocation Percentages: Storage - Power
Fiscal Year Ending 2019

		Functionalization	Allocation Percentages						% Total
			Fixed			Variable	Other	Hydroelectric	
			Demand	Commodity	Standby	Commodity			
Departmental O&M									
Group	***Item***								
Office of General Manager		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Office of General Manager	Board of Directors	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Office of General Manager	Bay Delta Initiatives	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
External Affairs	Legislative Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
External Affairs	Media Communications Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
External Affairs	Manager, External Affairs/Special Projects	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
External Affairs	Conservation & Community Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Human Resources		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager, Conveyance & Distribution Section	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager, Treatment Section	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager, Operations Support Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Operations Support Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Desert Region / C&D CRA	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	System Operations Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Power Operations and Planning	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Operations Planning & Programs Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Jensen	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Diemer	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Mills	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Skinner	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Weymouth	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Water Quality Section	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	C&D, Eastern Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	C&D, Western Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	OSS, Manufacturing Services Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Environmental Health & Safety Section	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	OSS, Fleet Services Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	OSS, Power Support Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager, Operations & Planning Section	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Security Team & Security Management	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Office of the Chief Financial Officer		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Business Technology	Office of Manager	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Engineering Services		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Business Technology	Administrative Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Business Technology	Information Technology	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Resources Management	Resource Planning & Development	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Resources Management	Resource Implementation	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Resources Management	Office of the Group Manager	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Ethics Office		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Real Property		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
General Counsel		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
General Auditor		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Total Departmental O&M		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
GENERAL DISTRICT REQUIREMENTS									
State Water Project									
Supply - O&M		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Supply - Capital		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Power - O&M & Off-Aq Capital		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Power - Capital (less Off-Aq)		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Transmission - Capital - Commodity, Demand, & Standby		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Transmission - O&M - Commodity only		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
CA WaterFix - Capital		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Total State Water Project		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Colorado River Aqueduct Power Costs		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Supply Programs		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Demand Management Programs		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Local Resources Program		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Future Supply Actions		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Conservation Credits Program		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Total Demand Management Programs		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Capital Financing Program		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Revenue Bond Debt Service net of BABs Interest Subsidy Payment		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
G.O. Bond Debt Service		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Debt Administration & State Revolving Funds		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Bond Defeasance		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
PAYGO		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Total Capital Financing Program		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Other Operating Costs									
Operating Equipment		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
OPEB\PERS Pre-Funding		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Total Other Operating Costs		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Increase/(Decrease) in Required Reserves		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Total General District Requirements		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
REQUIREMENTS BEFORE OFFSETS:		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Revenue Offsets									
Taxes - MWD Portion of SWP GO Debt Service		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Taxes - MWD GO Debt Service		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Interest on Investments		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Hydro-Power Revenue		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
CRA Power Revenue		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Wadsworth Pumping Plant (DVL) Power Revenue (cost in dept)		489,163	0.0%	0.0%	0.0%	100.0%	0.0%	0.0%	100.0%
Misc. allocated to A&G (Lease, Late Fees, etc.)		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Misc. allocated to supply (PVID Lease, CVWD Revenues)		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Taxes - additional from fixed tax rate		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Revenue Reserve used for Revenue Bonds - I&P		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Annexation		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Total Revenue Offsets		489,163	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
NET REVENUE REQUIREMENTS:	-	(489,163)	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

Allocation of Revenue Requirements: Storage - Power
Fiscal Year Ending 2019

		Functionalization	Allocation Percentages						Total
			Fixed			Variable	Other	Hydroelectric	
			Demand	Commodity	Standby	Commodity			
Departmental O&M									
Group	***Item***								
Office of General Manager		-	-	-	-	-	-	-	-
Office of General Manager	Board of Directors	-	-	-	-	-	-	-	-
Office of General Manager	Bay Delta Initiatives	-	-	-	-	-	-	-	-
External Affairs	Legislative Services	-	-	-	-	-	-	-	-
External Affairs	Media Communications Services	-	-	-	-	-	-	-	-
External Affairs	Manager, External Affairs/Special Projects	-	-	-	-	-	-	-	-
External Affairs	Conservation & Community Services	-	-	-	-	-	-	-	-
Human Resources		-	-	-	-	-	-	-	-
Water Systems Operations	Office of the Manager	-	-	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Conveyance & Distribution S	-	-	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Treatment Section	-	-	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Operations Support Service	-	-	-	-	-	-	-	-
Water Systems Operations	Operations Support Services	-	-	-	-	-	-	-	-
Water Systems Operations	Desert Region / C&D CRA	-	-	-	-	-	-	-	-
Water Systems Operations	System Operations Unit	-	-	-	-	-	-	-	-
Water Systems Operations	Power Operations and Planning	-	-	-	-	-	-	-	-
Water Systems Operations	Operations Planning & Programs Unit	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Jensen	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Diemer	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Mills	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Skinner	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Weymouth	-	-	-	-	-	-	-	-
Water Systems Operations	Water Quality Section	-	-	-	-	-	-	-	-
Water Systems Operations	C&D, Eastern Unit	-	-	-	-	-	-	-	-
Water Systems Operations	C&D, Western Unit	-	-	-	-	-	-	-	-
Water Systems Operations	OSS, Manufacturing Services Unit	-	-	-	-	-	-	-	-
Water Systems Operations	Environmental Health & Safety Section	-	-	-	-	-	-	-	-
Water Systems Operations	OSS, Fleet Services Unit	-	-	-	-	-	-	-	-
Water Systems Operations	OSS, Power Support Unit	-	-	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Operations & Planning Secti	-	-	-	-	-	-	-	-
Water Systems Operations	Security Team & Security Management	-	-	-	-	-	-	-	-
Office of the Chief Financial O		-	-	-	-	-	-	-	-
Business Technology	Office of Manager	-	-	-	-	-	-	-	-
Engineering Services		-	-	-	-	-	-	-	-
Business Technology	Administrative Services	-	-	-	-	-	-	-	-
Business Technology	Information Technology	-	-	-	-	-	-	-	-
Water Resources Managemen	Resource Planning & Development	-	-	-	-	-	-	-	-
Water Resources Managemen	Resource Implementation	-	-	-	-	-	-	-	-
Water Resources Managemen	Office of the Group Manager	-	-	-	-	-	-	-	-
Ethics Office		-	-	-	-	-	-	-	-
Real Property		-	-	-	-	-	-	-	-
General Counsel		-	-	-	-	-	-	-	-
General Auditor		-	-	-	-	-	-	-	-
Total Departmental O&M	-	-	-	-	-	-	-	-	-
		-							-
GENERAL DISTRICT REQUIREMENTS		-	-	-	-	-	-	-	-
		-							-
State Water Project		-	-	-	-	-	-	-	-
Supply - O&M		-	-	-	-	-	-	-	-
Supply - Capital		-	-	-	-	-	-	-	-
Power - O&M & Off-Aq Capital		-	-	-	-	-	-	-	-
Power - Capital (less Off-Aq)		-	-	-	-	-	-	-	-
Transmission - Capital - Commodity, Demand, & Standby		-	-	-	-	-	-	-	-
Transmission - O&M - Commodity only		-	-	-	-	-	-	-	-
CA WaterFix - Capital		-	-	-	-	-	-	-	-
Total State Water Project		-	-	-	-	-	-	-	-
		-							-
Colorado River Aqueduct Power Costs		-	-	-	-	-	-	-	-
		-							-
Supply Programs		-	-	-	-	-	-	-	-
									-
Demand Management Programs		-	-	-	-	-	-	-	-
Local Resources Program		-	-	-	-	-	-	-	-
Future Supply Actions		-	-	-	-	-	-	-	-
Conservation Credits Program		-	-	-	-	-	-	-	-
Total Demand Management Programs		-	-	-	-	-	-	-	-
Capital Financing Program		-	-	-	-	-	-	-	-
Revenue Bond Debt Service net of BABs Interest Subsidy Payment		-	-	-	-	-	-	-	-
G.O. Bond Debt Service		-	-	-	-	-	-	-	-
Debt Administration & State Revolving Funds		-	-	-	-	-	-	-	-
Bond Defeasance		-	-	-	-	-	-	-	-
PAYGO		-	-	-	-	-	-	-	-
Total Capital Financing Program		-	-	-	-	-	-	-	-
Other Operating Costs		-	-	-	-	-	-	-	-
Operating Equipment		-	-	-	-	-	-	-	-
OPEB\PERS Pre-Funding		-	-	-	-	-	-	-	-
Total Other Operating Costs		-	-	-	-	-	-	-	-
Increase/(Decrease) in Required Reserves		-	-	-	-	-	-	-	-
Total General District Requirements		-	-	-	-	-	-	-	-
REQUIREMENTS BEFORE OFFSETS:		-	-	-	-	-	-	-	-
Revenue Offsets									
Taxes - MWD Portion of SWP GO Debt Service		-	-	-	-	-	-	-	-
Taxes - MWD GO Debt Service		-	-	-	-	-	-	-	-
Interest on Investments		-	-	-	-	-	-	-	-
Hydro-Power Revenue		-	-	-	-	-	-	-	-
CRA Power Revenue		-	-	-	-	-	-	-	-
Wadsworth Pumping Plant (DVL) Power Revenue (cost in dept)		489,163	-	-	-	489,163	-	-	489,163
Misc. allocated to A&G (Lease, Late Fees, etc.)		-	-	-	-	-	-	-	-
Misc. allocated to supply (PVID Lease, CVWD Revenues)		-	-	-	-	-	-	-	-
Taxes - additional from fixed tax rate		-	-	-	-	-	-	-	-
Revenue Reserve used for Revenue Bonds - I&P		-	-	-	-	-	-	-	-
Annexation		-	-	-	-	-	-	-	-
Total Revenue Offsets		489,163	-	-	-	489,163	-	-	489,163
NET REVENUE REQUIREMENTS:		(489,163)	-	-	-	(489,163)	-	-	(489,163)

Direct Labor used for A&G Allocation
Allocation of Revenue Requirements: Storage - Power
Fiscal Year Ending 2019

		Functionalization	Allocation Percentages						Total
			Fixed			Variable Commodity	Other	Hydroelectric	
			Demand	Commodity	Standby				
Departmental O&M									
Group	***Item***								
Office of General Manager		-	-	-	-	-	-	-	-
Office of General Manager	Board of Directors	-	-	-	-	-	-	-	-
Office of General Manager	Bay Delta Initiatives	-	-	-	-	-	-	-	-
External Affairs	Legislative Services	-	-	-	-	-	-	-	-
External Affairs	Media Communications Services	-	-	-	-	-	-	-	-
External Affairs	Manager, External Affairs/Special Projects	-	-	-	-	-	-	-	-
External Affairs	Conservation & Community Services	-	-	-	-	-	-	-	-
Human Resources		-	-	-	-	-	-	-	-
Water Systems Operations	Office of the Manager	-	-	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Conveyance & Distribution Section	-	-	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Treatment Section	-	-	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Operations Support Services	-	-	-	-	-	-	-	-
Water Systems Operations	Operations Support Services	-	-	-	-	-	-	-	-
Water Systems Operations	Desert Region / C&D CRA	-	-	-	-	-	-	-	-
Water Systems Operations	System Operations Unit	-	-	-	-	-	-	-	-
Water Systems Operations	Power Operations and Planning	-	-	-	-	-	-	-	-
Water Systems Operations	Operations Planning & Programs Unit	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Jensen	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Diemer	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Mills	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Skinner	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Weymouth	-	-	-	-	-	-	-	-
Water Systems Operations	Water Quality Section	-	-	-	-	-	-	-	-
Water Systems Operations	C&D, Eastern Unit	-	-	-	-	-	-	-	-
Water Systems Operations	C&D, Western Unit	-	-	-	-	-	-	-	-
Water Systems Operations	OSS, Manufacturing Services Unit	-	-	-	-	-	-	-	-
Water Systems Operations	Environmental Health & Safety Section	-	-	-	-	-	-	-	-
Water Systems Operations	OSS, Fleet Services Unit	-	-	-	-	-	-	-	-
Water Systems Operations	OSS, Power Support Unit	-	-	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Operations & Planning Section	-	-	-	-	-	-	-	-
Water Systems Operations	Security Team & Security Management	-	-	-	-	-	-	-	-
Office of the Chief Financial Of		-	-	-	-	-	-	-	-
Business Technology	Office of Manager	-	-	-	-	-	-	-	-
Engineering Services		-	-	-	-	-	-	-	-
Business Technology	Administrative Services	-	-	-	-	-	-	-	-
Business Technology	Information Technology	-	-	-	-	-	-	-	-
Water Resources Managemen	Resource Planning & Development	-	-	-	-	-	-	-	-
Water Resources Managemen	Resource Implementation	-	-	-	-	-	-	-	-
Water Resources Managemen	Office of the Group Manager	-	-	-	-	-	-	-	-
Ethics Office		-	-	-	-	-	-	-	-
Real Property		-	-	-	-	-	-	-	-
General Counsel		-	-	-	-	-	-	-	-
General Auditor		-	-	-	-	-	-	-	-
Total Departmental O&M	-	-	-	-	-	-	-	-	-

Allocation Percentages: Treatment - Jensen
Fiscal Year Ending 2019

		Functionalization	Allocation Percentages						% Total
			Fixed			Variable Commodity	Other	Hydroelectric	
			Demand	Commodity	Standby				
Departmental O&M									
Group	***Item***								
Office of General Manager		239,538	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Office of General Manager	Board of Directors	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Office of General Manager	Bay Delta Initiatives	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
External Affairs	Legislative Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
External Affairs	Media Communications Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
External Affairs	Manager, External Affairs/Special Projects	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
External Affairs	Conservation & Community Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Human Resources		591,098	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager	334,100	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager, Conveyance & Distribution Section	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager, Treatment Section	192,052	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager, Operations Support Services	159,863	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Operations Support Services	98,528	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Desert Region / C&D CRA	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	System Operations Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Power Operations and Planning	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Operations Planning & Programs Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Jensen	12,966,168	0.0%	63.1%	0.0%	36.9%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Diemer	-	0.0%	54.1%	0.0%	45.9%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Mills	-	0.0%	71.6%	0.0%	28.4%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Skinner	-	0.0%	62.7%	0.0%	37.3%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Weymouth	-	0.0%	57.1%	0.0%	42.9%	0.0%	0.0%	100.0%
Water Systems Operations	Water Quality Section	2,184,166	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	C&D, Eastern Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	C&D, Western Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	OSS, Manufacturing Services Unit	126,408	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Environmental Health & Safety Section	1,483,232	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	OSS, Fleet Services Unit	461,864	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	OSS, Power Support Unit	213,783	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager, Operations & Planning Section	25,375	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Security Team & Security Management	572,383	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Office of the Chief Financial Officer		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Business Technology	Office of Manager	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Engineering Services		2,020,706	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Business Technology	Administrative Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Business Technology	Information Technology	1,820,317	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Resources Management	Resource Planning & Development	812	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Resources Management	Resource Implementation	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Resources Management	Office of the Group Manager	117	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Ethics Office		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Real Property		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
General Counsel		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
General Auditor		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Total Departmental O&M		23,490,511	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
GENERAL DISTRICT REQUIREMENTS									
State Water Project									
Supply - O&M		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Supply - Capital		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Power - O&M & Off-Aq Capital		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Power - Capital (less Off-Aq)		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Transmission - Capital - Commodity, Demand, & Standby		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Transmission - O&M - Commodity only		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
CA WaterFix - Capital		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Total State Water Project		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Colorado River Aqueduct Power Costs		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Supply Programs		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Demand Management Programs		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Local Resources Program		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Future Supply Actions		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Conservation Credits Program		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Total Demand Management Programs		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Capital Financing Program		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Revenue Bond Debt Service net of BABs Interest Subsidy Payment		17,048,306	34.6%	31.7%	33.7%	0.0%	0.0%	0.0%	100.0%
G.O. Bond Debt Service		786,854	34.6%	31.7%	33.7%	0.0%	0.0%	0.0%	100.0%
Debt Administration & State Revolving Funds		355,828	34.6%	31.7%	33.7%	0.0%	0.0%	0.0%	100.0%
Bond Defeasance		-	34.6%	31.7%	33.7%	0.0%	0.0%	0.0%	100.0%
PAYGO		6,576,000	34.6%	31.7%	33.7%	0.0%	0.0%	0.0%	100.0%
Total Capital Financing Program		24,766,988	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Other Operating Costs									
Operating Equipment		427,455	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
OPEB\PERS Pre-Funding		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Total Other Operating Costs		427,455	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Increase/(Decrease) in Required Reserves		-	34.0%	32.9%	33.1%	0.0%	0.0%	0.0%	100.0%
Total General District Requirements		25,194,443	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
REQUIREMENTS BEFORE OFFSETS:		48,684,954	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Revenue Offsets									
Taxes - MWD Portion of SWP GO Debt Service		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Taxes - MWD GO Debt Service		786,854	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Interest on Investments		470,175	34.6%	31.7%	33.7%	0.0%	0.0%	0.0%	100.0%
Hydro-Power Revenue		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
CRA Power Revenue		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Wadsworth Pumping Plant (DVL) Power Revenue (cost in dept)		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Misc. allocated to A&G (Lease, Late Fees, etc.)		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Misc. allocated to supply (PVID Lease, CVWD Revenues)		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Taxes - additional from fixed tax rate		-	34.6%	31.7%	33.7%	0.0%	0.0%	0.0%	100.0%
Revenue Reserve used for Revenue Bonds - I&P		-	34.6%	31.7%	33.7%	0.0%	0.0%	0.0%	100.0%
Annexation		-	34.6%	31.7%	33.7%	0.0%	0.0%	0.0%	100.0%
Total Revenue Offsets		1,257,029	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
NET REVENUE REQUIREMENTS:	-	47,427,925	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

Allocation of Revenue Requirements: Treatment - Jensen
Fiscal Year Ending 2019

		Functionalization	Allocation Percentages						Total
			Fixed			Variable Commodity	Other	Hydroelectric	
			Demand	Commodity	Standby				
Departmental O&M									
Group	***Item***								
Office of General Manager		239,538	-	239,538	-	-	-	-	239,538
Office of General Manager	Board of Directors	-	-	-	-	-	-	-	-
Office of General Manager	Bay Delta Initiatives	-	-	-	-	-	-	-	-
External Affairs	Legislative Services	-	-	-	-	-	-	-	-
External Affairs	Media Communications Services	-	-	-	-	-	-	-	-
External Affairs	Manager, External Affairs/Special Projects	-	-	-	-	-	-	-	-
External Affairs	Conservation & Community Services	-	-	-	-	-	-	-	-
Human Resources		591,098	-	591,098	-	-	-	-	591,098
Water Systems Operations	Office of the Manager	334,100	-	334,100	-	-	-	-	334,100
Water Systems Operations	Office of the Manager, Conveyance & Distribution S	-	-	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Treatment Section	192,052	-	192,052	-	-	-	-	192,052
Water Systems Operations	Office of the Manager, Operations Support Service	159,863	-	159,863	-	-	-	-	159,863
Water Systems Operations	Operations Support Services	98,528	-	98,528	-	-	-	-	98,528
Water Systems Operations	Desert Region / C&D CRA	-	-	-	-	-	-	-	-
Water Systems Operations	System Operations Unit	-	-	-	-	-	-	-	-
Water Systems Operations	Power Operations and Planning	-	-	-	-	-	-	-	-
Water Systems Operations	Operations Planning & Programs Unit	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Jensen	12,966,168	-	8,179,203	-	4,786,965	-	-	12,966,168
Water Systems Operations	Treatment Diemer	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Mills	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Skinner	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Weymouth	-	-	-	-	-	-	-	-
Water Systems Operations	Water Quality Section	2,184,166	-	2,184,166	-	-	-	-	2,184,166
Water Systems Operations	C&D, Eastern Unit	-	-	-	-	-	-	-	-
Water Systems Operations	C&D, Western Unit	-	-	-	-	-	-	-	-
Water Systems Operations	OSS, Manufacturing Services Unit	126,408	-	126,408	-	-	-	-	126,408
Water Systems Operations	Environmental Health & Safety Section	1,483,232	-	1,483,232	-	-	-	-	1,483,232
Water Systems Operations	OSS, Fleet Services Unit	461,864	-	461,864	-	-	-	-	461,864
Water Systems Operations	OSS, Power Support Unit	213,783	-	213,783	-	-	-	-	213,783
Water Systems Operations	Office of the Manager, Operations & Planning Secti	25,375	-	25,375	-	-	-	-	25,375
Water Systems Operations	Security Team & Security Management	572,383	-	572,383	-	-	-	-	572,383
Office of the Chief Financial O		-	-	-	-	-	-	-	-
Business Technology	Office of Manager	-	-	-	-	-	-	-	-
Engineering Services		2,020,706	-	2,020,706	-	-	-	-	2,020,706
Business Technology	Administrative Services	-	-	-	-	-	-	-	-
Business Technology	Information Technology	1,820,317	-	1,820,317	-	-	-	-	1,820,317
Water Resources Managemen	Resource Planning & Development	812	-	812	-	-	-	-	812
Water Resources Managemen	Resource Implementation	-	-	-	-	-	-	-	-
Water Resources Managemen	Office of the Group Manager	117	-	117	-	-	-	-	117
Ethics Office		-	-	-	-	-	-	-	-
Real Property		-	-	-	-	-	-	-	-
General Counsel		-	-	-	-	-	-	-	-
General Auditor		-	-	-	-	-	-	-	-
Total Departmental O&M	-	23,490,511	-	18,703,547	-	4,786,965	-	-	23,490,511
		-							-
GENERAL DISTRICT REQUIREMENTS		-	-	-	-	-	-	-	-
		-							-
State Water Project		-	-	-	-	-	-	-	-
Supply - O&M		-	-	-	-	-	-	-	-
Supply - Capital		-	-	-	-	-	-	-	-
Power - O&M & Off-Aq Capital		-	-	-	-	-	-	-	-
Power - Capital (less Off-Aq)		-	-	-	-	-	-	-	-
Transmission - Capital - Commodity, Demand, & Standby		-	-	-	-	-	-	-	-
Transmission - O&M - Commodity only		-	-	-	-	-	-	-	-
CA WaterFix - Capital		-	-	-	-	-	-	-	-
Total State Water Project		-	-	-	-	-	-	-	-
		-							-
Colorado River Aqueduct Power Costs		-	-	-	-	-	-	-	-
		-							-
Supply Programs		-	-	-	-	-	-	-	-
									-
Demand Management Programs		-	-	-	-	-	-	-	-
Local Resources Program		-	-	-	-	-	-	-	-
Future Supply Actions		-	-	-	-	-	-	-	-
Conservation Credits Program		-	-	-	-	-	-	-	-
Total Demand Management Programs		-	-	-	-	-	-	-	-
Capital Financing Program		-	-	-	-	-	-	-	-
Revenue Bond Debt Service net of BABs Interest Subsidy Payment		17,048,306	5,894,154	5,407,481	5,746,671	-	-	-	17,048,306
G.O. Bond Debt Service		786,854	272,041	249,579	265,234	-	-	-	786,854
Debt Administration & State Revolving Funds		355,828	123,021	112,864	119,943	-	-	-	355,828
Bond Defeasance		-	-	-	-	-	-	-	-
PAYGO		6,576,000	2,273,537	2,085,814	2,216,649	-	-	-	6,576,000
Total Capital Financing Program		24,766,988	8,562,754	7,855,737	8,348,497	-	-	-	24,766,988
Other Operating Costs		-	-	-	-	-	-	-	-
Operating Equipment		427,455	-	427,455	-	-	-	-	427,455
OPEB\PERS Pre-Funding		-	-	-	-	-	-	-	-
Total Other Operating Costs		427,455	-	427,455	-	-	-	-	427,455
Increase/(Decrease) in Required Reserves		-	-	-	-	-	-	-	-
Total General District Requirements		25,194,443	8,562,754	8,283,192	8,348,497	-	-	-	25,194,443
REQUIREMENTS BEFORE OFFSETS:		48,684,954	8,562,754	26,986,739	8,348,497	4,786,965	-	-	48,684,954
Revenue Offsets									
Taxes - MWD Portion of SWP GO Debt Service		-	-	-	-	-	-	-	-
Taxes - MWD GO Debt Service		786,854	-	-	786,854	-	-	-	786,854
Interest on Investments		470,175	162,555	149,133	158,487	-	-	-	470,175
Hydro-Power Revenue		-	-	-	-	-	-	-	-
CRA Power Revenue		-	-	-	-	-	-	-	-
Wadsworth Pumping Plant (DVL) Power Revenue (cost in dept)		-	-	-	-	-	-	-	-
Misc. allocated to A&G (Lease, Late Fees, etc.)		-	-	-	-	-	-	-	-
Misc. allocated to supply (PVID Lease, CVWD Revenues)		-	-	-	-	-	-	-	-
Taxes - additional from fixed tax rate		-	-	-	-	-	-	-	-
Revenue Reserve used for Revenue Bonds - I&P		-	-	-	-	-	-	-	-
Annexation		-	-	-	-	-	-	-	-
Total Revenue Offsets		1,257,029	162,555	149,133	945,342	-	-	-	1,257,029
NET REVENUE REQUIREMENTS:		47,427,925	8,400,199	26,837,606	7,403,156	4,786,965	-	-	47,427,925

Direct Labor used for A&G Allocation
Allocation of Revenue Requirements: Treatment - Jensen
Fiscal Year Ending 2019

		Functionalization	Allocation Percentages						Total
			Fixed			Variable Commodity	Other	Hydroelectric	
			Demand	Commodity	Standby				
Departmental O&M									
Group	***Item***								
Office of General Manager		217,606	-	217,606	-	-	-	-	217,606
Office of General Manager	Board of Directors	-	-	-	-	-	-	-	-
Office of General Manager	Bay Delta Initiatives	-	-	-	-	-	-	-	-
External Affairs	Legislative Services	-	-	-	-	-	-	-	-
External Affairs	Media Communications Services	-	-	-	-	-	-	-	-
External Affairs	Manager, External Affairs/Special Projects	-	-	-	-	-	-	-	-
External Affairs	Conservation & Community Services	-	-	-	-	-	-	-	-
Human Resources		473,091	-	473,091	-	-	-	-	473,091
Water Systems Operations	Office of the Manager	198,648	-	198,648	-	-	-	-	198,648
Water Systems Operations	Office of the Manager, Conveyance & Distribution Section	-	-	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Treatment Section	136,449	-	136,449	-	-	-	-	136,449
Water Systems Operations	Office of the Manager, Operations Support Services	141,142	-	141,142	-	-	-	-	141,142
Water Systems Operations	Operations Support Services	89,515	-	89,515	-	-	-	-	89,515
Water Systems Operations	Desert Region / C&D CRA	-	-	-	-	-	-	-	-
Water Systems Operations	System Operations Unit	-	-	-	-	-	-	-	-
Water Systems Operations	Power Operations and Planning	-	-	-	-	-	-	-	-
Water Systems Operations	Operations Planning & Programs Unit	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Jensen	8,221,247	-	8,221,247	-	-	-	-	8,221,247
Water Systems Operations	Treatment Diemer	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Mills	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Skinner	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Weymouth	-	-	-	-	-	-	-	-
Water Systems Operations	Water Quality Section	1,783,245	-	1,783,245	-	-	-	-	1,783,245
Water Systems Operations	C&D, Eastern Unit	-	-	-	-	-	-	-	-
Water Systems Operations	C&D, Western Unit	-	-	-	-	-	-	-	-
Water Systems Operations	OSS, Manufacturing Services Unit	113,833	-	113,833	-	-	-	-	113,833
Water Systems Operations	Environmental Health & Safety Section	1,201,132	-	1,201,132	-	-	-	-	1,201,132
Water Systems Operations	OSS, Fleet Services Unit	289,494	-	289,494	-	-	-	-	289,494
Water Systems Operations	OSS, Power Support Unit	191,533	-	191,533	-	-	-	-	191,533
Water Systems Operations	Office of the Manager, Operations & Planning Section	25,652	-	25,652	-	-	-	-	25,652
Water Systems Operations	Security Team & Security Management	110,512	-	110,512	-	-	-	-	110,512
Office of the Chief Financial O		-	-	-	-	-	-	-	-
Business Technology	Office of Manager	-	-	-	-	-	-	-	-
Engineering Services		1,767,973	-	1,767,973	-	-	-	-	1,767,973
Business Technology	Administrative Services	-	-	-	-	-	-	-	-
Business Technology	Information Technology	1,350,316	-	1,350,316	-	-	-	-	1,350,316
Water Resources Managemen	Resource Planning & Development	745	-	745	-	-	-	-	745
Water Resources Managemen	Resource Implementation	-	-	-	-	-	-	-	-
Water Resources Managemen	Office of the Group Manager	117	-	117	-	-	-	-	117
Ethics Office		-	-	-	-	-	-	-	-
Real Property		-	-	-	-	-	-	-	-
General Counsel		-	-	-	-	-	-	-	-
General Auditor		-	-	-	-	-	-	-	-
Total Departmental O&M	-	16,312,249	-	16,312,249	-	-	-	-	16,312,249

Allocation Percentages: Treatment - Weymouth
Fiscal Year Ending 2019

		Functionalization	Allocation Percentages						% Total
			Fixed			Variable	Other	Hydroelectric	
			Demand	Commodity	Standby	Commodity			
Departmental O&M									
Group	***Item***								
Office of General Manager		264,350	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Office of General Manager	Board of Directors	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Office of General Manager	Bay Delta Initiatives	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
External Affairs	Legislative Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
External Affairs	Media Communications Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
External Affairs	Manager, External Affairs/Special Projects	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
External Affairs	Conservation & Community Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Human Resources		652,325	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager	350,776	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager, Conveyance & Distribution Section	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager, Treatment Section	222,213	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager, Operations Support Services	167,843	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Operations Support Services	98,528	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Desert Region / C&D CRA	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	System Operations Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Power Operations and Planning	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Operations Planning & Programs Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Jensen	-	0.0%	63.1%	0.0%	36.9%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Diemer	-	0.0%	54.1%	0.0%	45.9%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Mills	-	0.0%	71.6%	0.0%	28.4%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Skinner	-	0.0%	62.7%	0.0%	37.3%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Weymouth	15,002,426	0.0%	57.1%	0.0%	42.9%	0.0%	0.0%	100.0%
Water Systems Operations	Water Quality Section	2,184,166	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	C&D, Eastern Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	C&D, Western Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	OSS, Manufacturing Services Unit	126,408	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Environmental Health & Safety Section	1,483,232	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	OSS, Fleet Services Unit	461,864	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	OSS, Power Support Unit	213,783	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager, Operations & Planning Section	26,642	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Security Team & Security Management	587,006	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Office of the Chief Financial Officer		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Business Technology	Office of Manager	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Engineering Services		2,072,330	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Business Technology	Administrative Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Business Technology	Information Technology	2,008,868	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Resources Management	Resource Planning & Development	812	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Resources Management	Resource Implementation	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Resources Management	Office of the Group Manager	117	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Ethics Office		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Real Property		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
General Counsel		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
General Auditor		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Total Departmental O&M		25,923,689	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
GENERAL DISTRICT REQUIREMENTS									
State Water Project									
Supply - O&M		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Supply - Capital		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Power - O&M & Off-Aq Capital		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Power - Capital (less Off-Aq)		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Transmission - Capital - Commodity, Demand, & Standby		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Transmission - O&M - Commodity only		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
CA WaterFix - Capital		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Total State Water Project		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Colorado River Aqueduct Power Costs		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Supply Programs		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Demand Management Programs		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Local Resources Program		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Future Supply Actions		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Conservation Credits Program		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Total Demand Management Programs		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Capital Financing Program		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Revenue Bond Debt Service net of BABs Interest Subsidy Payment		17,483,847	34.6%	31.7%	33.7%	0.0%	0.0%	0.0%	100.0%
G.O. Bond Debt Service		806,956	34.6%	31.7%	33.7%	0.0%	0.0%	0.0%	100.0%
Debt Administration & State Revolving Funds		364,919	34.6%	31.7%	33.7%	0.0%	0.0%	0.0%	100.0%
Bond Defeasance		-	34.6%	31.7%	33.7%	0.0%	0.0%	0.0%	100.0%
PAYGO		6,744,000	34.6%	31.7%	33.7%	0.0%	0.0%	0.0%	100.0%
Total Capital Financing Program		25,399,722	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Other Operating Costs									
Operating Equipment		450,531	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
OPEB\PERS Pre-Funding		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Total Other Operating Costs		450,531	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Increase/(Decrease) in Required Reserves		-	34.0%	32.9%	33.1%	0.0%	0.0%	0.0%	100.0%
Total General District Requirements		25,850,253	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
REQUIREMENTS BEFORE OFFSETS:		51,773,942	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Revenue Offsets									
Taxes - MWD Portion of SWP GO Debt Service		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Taxes - MWD GO Debt Service		806,956	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Interest on Investments		500,007	34.6%	31.7%	33.7%	0.0%	0.0%	0.0%	100.0%
Hydro-Power Revenue		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
CRA Power Revenue		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Wadsworth Pumping Plant (DVL) Power Revenue (cost in dept)		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Misc. allocated to A&G (Lease, Late Fees, etc.)		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Misc. allocated to supply (PVID Lease, CVWD Revenues)		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Taxes - additional from fixed tax rate		-	34.6%	31.7%	33.7%	0.0%	0.0%	0.0%	100.0%
Revenue Reserve used for Revenue Bonds - I&P		-	34.6%	31.7%	33.7%	0.0%	0.0%	0.0%	100.0%
Annexation		-	34.6%	31.7%	33.7%	0.0%	0.0%	0.0%	100.0%
Total Revenue Offsets		1,306,963	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
NET REVENUE REQUIREMENTS:	-	50,466,978	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

Allocation of Revenue Requirements: Treatment - Weymouth
Fiscal Year Ending 2019

		Functionalization	Allocation Percentages						Total
			Fixed			Variable Commodity	Other	Hydroelectric	
			Demand	Commodity	Standby				
Departmental O&M									
Group	***Item***								
Office of General Manager		264,350	-	264,350	-	-	-	-	264,350
Office of General Manager	Board of Directors	-	-	-	-	-	-	-	-
Office of General Manager	Bay Delta Initiatives	-	-	-	-	-	-	-	-
External Affairs	Legislative Services	-	-	-	-	-	-	-	-
External Affairs	Media Communications Services	-	-	-	-	-	-	-	-
External Affairs	Manager, External Affairs/Special Projects	-	-	-	-	-	-	-	-
External Affairs	Conservation & Community Services	-	-	-	-	-	-	-	-
Human Resources		652,325	-	652,325	-	-	-	-	652,325
Water Systems Operations	Office of the Manager	350,776	-	350,776	-	-	-	-	350,776
Water Systems Operations	Office of the Manager, Conveyance & Distribution S	-	-	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Treatment Section	222,213	-	222,213	-	-	-	-	222,213
Water Systems Operations	Office of the Manager, Operations Support Service	167,843	-	167,843	-	-	-	-	167,843
Water Systems Operations	Operations Support Services	98,528	-	98,528	-	-	-	-	98,528
Water Systems Operations	Desert Region / C&D CRA	-	-	-	-	-	-	-	-
Water Systems Operations	System Operations Unit	-	-	-	-	-	-	-	-
Water Systems Operations	Power Operations and Planning	-	-	-	-	-	-	-	-
Water Systems Operations	Operations Planning & Programs Unit	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Jensen	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Diemer	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Mills	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Skinner	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Weymouth	15,002,426	-	8,562,093	-	6,440,333	-	-	15,002,426
Water Systems Operations	Water Quality Section	2,184,166	-	2,184,166	-	-	-	-	2,184,166
Water Systems Operations	C&D, Eastern Unit	-	-	-	-	-	-	-	-
Water Systems Operations	C&D, Western Unit	-	-	-	-	-	-	-	-
Water Systems Operations	OSS, Manufacturing Services Unit	126,408	-	126,408	-	-	-	-	126,408
Water Systems Operations	Environmental Health & Safety Section	1,483,232	-	1,483,232	-	-	-	-	1,483,232
Water Systems Operations	OSS, Fleet Services Unit	461,864	-	461,864	-	-	-	-	461,864
Water Systems Operations	OSS, Power Support Unit	213,783	-	213,783	-	-	-	-	213,783
Water Systems Operations	Office of the Manager, Operations & Planning Secti	26,642	-	26,642	-	-	-	-	26,642
Water Systems Operations	Security Team & Security Management	587,006	-	587,006	-	-	-	-	587,006
Office of the Chief Financial O		-	-	-	-	-	-	-	-
Business Technology	Office of Manager	-	-	-	-	-	-	-	-
Engineering Services		2,072,330	-	2,072,330	-	-	-	-	2,072,330
Business Technology	Administrative Services	-	-	-	-	-	-	-	-
Business Technology	Information Technology	2,008,868	-	2,008,868	-	-	-	-	2,008,868
Water Resources Managemen	Resource Planning & Development	812	-	812	-	-	-	-	812
Water Resources Managemen	Resource Implementation	-	-	-	-	-	-	-	-
Water Resources Managemen	Office of the Group Manager	117	-	117	-	-	-	-	117
Ethics Office		-	-	-	-	-	-	-	-
Real Property		-	-	-	-	-	-	-	-
General Counsel		-	-	-	-	-	-	-	-
General Auditor		-	-	-	-	-	-	-	-
Total Departmental O&M	-	25,923,689	-	19,483,356	-	6,440,333	-	-	25,923,689
		-							-
GENERAL DISTRICT REQUIREMENTS		-	-	-	-	-	-	-	-
		-							-
State Water Project		-	-	-	-	-	-	-	-
Supply - O&M		-	-	-	-	-	-	-	-
Supply - Capital		-	-	-	-	-	-	-	-
Power - O&M & Off-Aq Capital		-	-	-	-	-	-	-	-
Power - Capital (less Off-Aq)		-	-	-	-	-	-	-	-
Transmission - Capital - Commodity, Demand, & Standby		-	-	-	-	-	-	-	-
Transmission - O&M - Commodity only		-	-	-	-	-	-	-	-
CA WaterFix - Capital		-	-	-	-	-	-	-	-
Total State Water Project		-	-	-	-	-	-	-	-
		-							-
Colorado River Aqueduct Power Costs		-	-	-	-	-	-	-	-
		-							-
Supply Programs		-	-	-	-	-	-	-	-
									-
Demand Management Programs		-	-	-	-	-	-	-	-
Local Resources Program		-	-	-	-	-	-	-	-
Future Supply Actions		-	-	-	-	-	-	-	-
Conservation Credits Program		-	-	-	-	-	-	-	-
Total Demand Management Programs		-	-	-	-	-	-	-	-
Capital Financing Program		-	-	-	-	-	-	-	-
Revenue Bond Debt Service net of BABs Interest Subsidy Payment		17,483,847	6,044,735	5,545,628	5,893,484	-	-	-	17,483,847
G.O. Bond Debt Service		806,956	278,991	255,955	272,010	-	-	-	806,956
Debt Administration & State Revolving Funds		364,919	126,164	115,747	123,007	-	-	-	364,919
Bond Defeasance		-	-	-	-	-	-	-	-
PAYGO		6,744,000	2,331,620	2,139,101	2,273,279	-	-	-	6,744,000
Total Capital Financing Program		25,399,722	8,781,510	8,056,431	8,561,780	-	-	-	25,399,722
Other Operating Costs		-	-	-	-	-	-	-	-
Operating Equipment		450,531	-	450,531	-	-	-	-	450,531
OPEB\PERS Pre-Funding		-	-	-	-	-	-	-	-
Total Other Operating Costs		450,531	-	450,531	-	-	-	-	450,531
Increase/(Decrease) in Required Reserves		-	-	-	-	-	-	-	-
Total General District Requirements		25,850,253	8,781,510	8,506,963	8,561,780	-	-	-	25,850,253
REQUIREMENTS BEFORE OFFSETS:		51,773,942	8,781,510	27,990,319	8,561,780	6,440,333	-	-	51,773,942
Revenue Offsets									
Taxes - MWD Portion of SWP GO Debt Service		-	-	-	-	-	-	-	-
Taxes - MWD GO Debt Service		806,956	-	-	806,956	-	-	-	806,956
Interest on Investments		500,007	172,869	158,595	168,543	-	-	-	500,007
Hydro-Power Revenue		-	-	-	-	-	-	-	-
CRA Power Revenue		-	-	-	-	-	-	-	-
Wadsworth Pumping Plant (DVL) Power Revenue (cost in dept)		-	-	-	-	-	-	-	-
Misc. allocated to A&G (Lease, Late Fees, etc.)		-	-	-	-	-	-	-	-
Misc. allocated to supply (PVID Lease, CVWD Revenues)		-	-	-	-	-	-	-	-
Taxes - additional from fixed tax rate		-	-	-	-	-	-	-	-
Revenue Reserve used for Revenue Bonds - I&P		-	-	-	-	-	-	-	-
Annexation		-	-	-	-	-	-	-	-
Total Revenue Offsets		1,306,963	172,869	158,595	975,499	-	-	-	1,306,963
NET REVENUE REQUIREMENTS:		50,466,978	8,608,641	27,831,724	7,586,281	6,440,333	-	-	50,466,978

Direct Labor used for A&G Allocation
Allocation of Revenue Requirements: Treatment - Weymouth
Fiscal Year Ending 2019

		Functionalization	Allocation Percentages						Total
			Fixed			Variable Commodity	Other	Hydroelectric	
			Demand	Commodity	Standby				
Departmental O&M									
Group	***Item***								
Office of General Manager		240,145	-	240,145	-	-	-	-	240,145
Office of General Manager	Board of Directors	-	-	-	-	-	-	-	-
Office of General Manager	Bay Delta Initiatives	-	-	-	-	-	-	-	-
External Affairs	Legislative Services	-	-	-	-	-	-	-	-
External Affairs	Media Communications Services	-	-	-	-	-	-	-	-
External Affairs	Manager, External Affairs/Special Projects	-	-	-	-	-	-	-	-
External Affairs	Conservation & Community Services	-	-	-	-	-	-	-	-
Human Resources		522,094	-	522,094	-	-	-	-	522,094
Water Systems Operations	Office of the Manager	208,564	-	208,564	-	-	-	-	208,564
Water Systems Operations	Office of the Manager, Conveyance & Distribution Section	-	-	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Treatment Section	157,877	-	157,877	-	-	-	-	157,877
Water Systems Operations	Office of the Manager, Operations Support Services	148,188	-	148,188	-	-	-	-	148,188
Water Systems Operations	Operations Support Services	89,515	-	89,515	-	-	-	-	89,515
Water Systems Operations	Desert Region / C&D CRA	-	-	-	-	-	-	-	-
Water Systems Operations	System Operations Unit	-	-	-	-	-	-	-	-
Water Systems Operations	Power Operations and Planning	-	-	-	-	-	-	-	-
Water Systems Operations	Operations Planning & Programs Unit	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Jensen	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Diemer	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Mills	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Skinner	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Weymouth	8,802,814	-	8,802,814	-	-	-	-	8,802,814
Water Systems Operations	Water Quality Section	1,783,245	-	1,783,245	-	-	-	-	1,783,245
Water Systems Operations	C&D, Eastern Unit	-	-	-	-	-	-	-	-
Water Systems Operations	C&D, Western Unit	-	-	-	-	-	-	-	-
Water Systems Operations	OSS, Manufacturing Services Unit	113,833	-	113,833	-	-	-	-	113,833
Water Systems Operations	Environmental Health & Safety Section	1,201,132	-	1,201,132	-	-	-	-	1,201,132
Water Systems Operations	OSS, Fleet Services Unit	289,494	-	289,494	-	-	-	-	289,494
Water Systems Operations	OSS, Power Support Unit	191,533	-	191,533	-	-	-	-	191,533
Water Systems Operations	Office of the Manager, Operations & Planning Section	26,933	-	26,933	-	-	-	-	26,933
Water Systems Operations	Security Team & Security Management	113,336	-	113,336	-	-	-	-	113,336
Office of the Chief Financial O		-	-	-	-	-	-	-	-
Business Technology	Office of Manager	-	-	-	-	-	-	-	-
Engineering Services		1,813,140	-	1,813,140	-	-	-	-	1,813,140
Business Technology	Administrative Services	-	-	-	-	-	-	-	-
Business Technology	Information Technology	1,490,184	-	1,490,184	-	-	-	-	1,490,184
Water Resources Managemen	Resource Planning & Development	745	-	745	-	-	-	-	745
Water Resources Managemen	Resource Implementation	-	-	-	-	-	-	-	-
Water Resources Managemen	Office of the Group Manager	117	-	117	-	-	-	-	117
Ethics Office		-	-	-	-	-	-	-	-
Real Property		-	-	-	-	-	-	-	-
General Counsel		-	-	-	-	-	-	-	-
General Auditor		-	-	-	-	-	-	-	-
Total Departmental O&M	-	17,192,888	-	17,192,888	-	-	-	-	17,192,888

Allocation Percentages: Treatment - Diemer
Fiscal Year Ending 2019

		Functionalization	Allocation Percentages						% Total
			Fixed			Variable Commodity	Other	Hydroelectric	
			Demand	Commodity	Standby				
Departmental O&M									
Group	***Item***								
Office of General Manager		280,920	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Office of General Manager	Board of Directors	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Office of General Manager	Bay Delta Initiatives	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
External Affairs	Legislative Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
External Affairs	Media Communications Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
External Affairs	Manager, External Affairs/Special Projects	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
External Affairs	Conservation & Community Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Human Resources		693,214	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager	348,574	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager, Conveyance & Distribution Section	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager, Treatment Section	236,052	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager, Operations Support Services	166,789	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Operations Support Services	98,528	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Desert Region / C&D CRA	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	System Operations Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Power Operations and Planning	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Operations Planning & Programs Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Jensen	-	0.0%	63.1%	0.0%	36.9%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Diemer	15,936,721	0.0%	54.1%	0.0%	45.9%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Mills	-	0.0%	71.6%	0.0%	28.4%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Skinner	-	0.0%	62.7%	0.0%	37.3%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Weymouth	-	0.0%	57.1%	0.0%	42.9%	0.0%	0.0%	100.0%
Water Systems Operations	Water Quality Section	2,184,166	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	C&D, Eastern Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	C&D, Western Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	OSS, Manufacturing Services Unit	126,408	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Environmental Health & Safety Section	1,483,232	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	OSS, Fleet Services Unit	461,864	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	OSS, Power Support Unit	213,783	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager, Operations & Planning Section	26,475	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Security Team & Security Management	696,678	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Office of the Chief Financial Officer		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Business Technology	Office of Manager	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Engineering Services		2,459,509	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Business Technology	Administrative Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Business Technology	Information Technology	2,134,787	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Resources Management	Resource Planning & Development	812	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Resources Management	Resource Implementation	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Resources Management	Office of the Group Manager	117	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Ethics Office		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Real Property		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
General Counsel		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
General Auditor		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Total Departmental O&M		27,548,628	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
GENERAL DISTRICT REQUIREMENTS									
State Water Project									
Supply - O&M		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Supply - Capital		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Power - O&M & Off-Aq Capital		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Power - Capital (less Off-Aq)		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Transmission - Capital - Commodity, Demand, & Standby		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Transmission - O&M - Commodity only		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
CA WaterFix - Capital		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Total State Water Project		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Colorado River Aqueduct Power Costs		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Supply Programs		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Demand Management Programs		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Local Resources Program		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Future Supply Actions		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Conservation Credits Program		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Total Demand Management Programs		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Capital Financing Program		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Revenue Bond Debt Service net of BABs Interest Subsidy Payment		20,750,402	34.6%	31.7%	33.7%	0.0%	0.0%	0.0%	100.0%
G.O. Bond Debt Service		957,722	34.6%	31.7%	33.7%	0.0%	0.0%	0.0%	100.0%
Debt Administration & State Revolving Funds		433,097	34.6%	31.7%	33.7%	0.0%	0.0%	0.0%	100.0%
Bond Defeasance		-	34.6%	31.7%	33.7%	0.0%	0.0%	0.0%	100.0%
PAYGO		8,004,000	34.6%	31.7%	33.7%	0.0%	0.0%	0.0%	100.0%
Total Capital Financing Program		30,145,221	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Other Operating Costs									
Operating Equipment		460,948	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
OPEB\PERS Pre-Funding		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Total Other Operating Costs		460,948	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Increase/(Decrease) in Required Reserves		-	34.1%	32.7%	33.2%	0.0%	0.0%	0.0%	100.0%
Total General District Requirements		30,606,169	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
REQUIREMENTS BEFORE OFFSETS:		58,154,797	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Revenue Offsets									
Taxes - MWD Portion of SWP GO Debt Service		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Taxes - MWD GO Debt Service		957,722	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Interest on Investments		561,630	34.6%	31.7%	33.7%	0.0%	0.0%	0.0%	100.0%
Hydro-Power Revenue		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
CRA Power Revenue		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Wadsworth Pumping Plant (DVL) Power Revenue (cost in dept)		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Misc. allocated to A&G (Lease, Late Fees, etc.)		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Misc. allocated to supply (PVID Lease, CVWD Revenues)		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Taxes - additional from fixed tax rate		-	34.6%	31.7%	33.7%	0.0%	0.0%	0.0%	100.0%
Revenue Reserve used for Revenue Bonds - I&P		-	34.6%	31.7%	33.7%	0.0%	0.0%	0.0%	100.0%
Annexation		-	34.6%	31.7%	33.7%	0.0%	0.0%	0.0%	100.0%
Total Revenue Offsets		1,519,352	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
NET REVENUE REQUIREMENTS:	-	56,635,445	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

Allocation of Revenue Requirements: Treatment - Diemer
Fiscal Year Ending 2019

		Functionalization	Allocation Percentages						Total
			Fixed			Variable Commodity	Other	Hydroelectric	
			Demand	Commodity	Standby				
Departmental O&M									
Group	***Item***								
Office of General Manager		280,920	-	280,920	-	-	-	-	280,920
Office of General Manager	Board of Directors	-	-	-	-	-	-	-	-
Office of General Manager	Bay Delta Initiatives	-	-	-	-	-	-	-	-
External Affairs	Legislative Services	-	-	-	-	-	-	-	-
External Affairs	Media Communications Services	-	-	-	-	-	-	-	-
External Affairs	Manager, External Affairs/Special Projects	-	-	-	-	-	-	-	-
External Affairs	Conservation & Community Services	-	-	-	-	-	-	-	-
Human Resources		693,214	-	693,214	-	-	-	-	693,214
Water Systems Operations	Office of the Manager	348,574	-	348,574	-	-	-	-	348,574
Water Systems Operations	Office of the Manager, Conveyance & Distribution S	-	-	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Treatment Section	236,052	-	236,052	-	-	-	-	236,052
Water Systems Operations	Office of the Manager, Operations Support Service	166,789	-	166,789	-	-	-	-	166,789
Water Systems Operations	Operations Support Services	98,528	-	98,528	-	-	-	-	98,528
Water Systems Operations	Desert Region / C&D CRA	-	-	-	-	-	-	-	-
Water Systems Operations	System Operations Unit	-	-	-	-	-	-	-	-
Water Systems Operations	Power Operations and Planning	-	-	-	-	-	-	-	-
Water Systems Operations	Operations Planning & Programs Unit	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Jensen	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Diemer	15,936,721	-	8,616,594	-	7,320,128	-	-	15,936,721
Water Systems Operations	Treatment Mills	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Skinner	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Weymouth	-	-	-	-	-	-	-	-
Water Systems Operations	Water Quality Section	2,184,166	-	2,184,166	-	-	-	-	2,184,166
Water Systems Operations	C&D, Eastern Unit	-	-	-	-	-	-	-	-
Water Systems Operations	C&D, Western Unit	-	-	-	-	-	-	-	-
Water Systems Operations	OSS, Manufacturing Services Unit	126,408	-	126,408	-	-	-	-	126,408
Water Systems Operations	Environmental Health & Safety Section	1,483,232	-	1,483,232	-	-	-	-	1,483,232
Water Systems Operations	OSS, Fleet Services Unit	461,864	-	461,864	-	-	-	-	461,864
Water Systems Operations	OSS, Power Support Unit	213,783	-	213,783	-	-	-	-	213,783
Water Systems Operations	Office of the Manager, Operations & Planning Secti	26,475	-	26,475	-	-	-	-	26,475
Water Systems Operations	Security Team & Security Management	696,678	-	696,678	-	-	-	-	696,678
Office of the Chief Financial O		-	-	-	-	-	-	-	-
Business Technology	Office of Manager	-	-	-	-	-	-	-	-
Engineering Services		2,459,509	-	2,459,509	-	-	-	-	2,459,509
Business Technology	Administrative Services	-	-	-	-	-	-	-	-
Business Technology	Information Technology	2,134,787	-	2,134,787	-	-	-	-	2,134,787
Water Resources Managemen	Resource Planning & Development	812	-	812	-	-	-	-	812
Water Resources Managemen	Resource Implementation	-	-	-	-	-	-	-	-
Water Resources Managemen	Office of the Group Manager	117	-	117	-	-	-	-	117
Ethics Office		-	-	-	-	-	-	-	-
Real Property		-	-	-	-	-	-	-	-
General Counsel		-	-	-	-	-	-	-	-
General Auditor		-	-	-	-	-	-	-	-
Total Departmental O&M	-	27,548,628	-	20,228,500	-	7,320,128	-	-	27,548,628
		-							-
GENERAL DISTRICT REQUIREMENTS		-	-	-	-	-	-	-	-
		-							-
State Water Project		-	-	-	-	-	-	-	-
Supply - O&M		-	-	-	-	-	-	-	-
Supply - Capital		-	-	-	-	-	-	-	-
Power - O&M & Off-Aq Capital		-	-	-	-	-	-	-	-
Power - Capital (less Off-Aq)		-	-	-	-	-	-	-	-
Transmission - Capital - Commodity, Demand, & Standby		-	-	-	-	-	-	-	-
Transmission - O&M - Commodity only		-	-	-	-	-	-	-	-
CA WaterFix - Capital		-	-	-	-	-	-	-	-
Total State Water Project		-	-	-	-	-	-	-	-
		-							-
Colorado River Aqueduct Power Costs		-	-	-	-	-	-	-	-
		-							-
Supply Programs		-	-	-	-	-	-	-	-
									-
Demand Management Programs		-	-	-	-	-	-	-	-
Local Resources Program		-	-	-	-	-	-	-	-
Future Supply Actions		-	-	-	-	-	-	-	-
Conservation Credits Program		-	-	-	-	-	-	-	-
Total Demand Management Programs		-	-	-	-	-	-	-	-
Capital Financing Program		-	-	-	-	-	-	-	-
Revenue Bond Debt Service net of BABs Interest Subsidy Payment		20,750,402	7,174,089	6,581,733	6,994,580	-	-	-	20,750,402
G.O. Bond Debt Service		957,722	331,116	303,776	322,831	-	-	-	957,722
Debt Administration & State Revolving Funds		433,097	149,736	137,372	145,989	-	-	-	433,097
Bond Defeasance		-	-	-	-	-	-	-	-
PAYGO		8,004,000	2,767,243	2,538,755	2,698,002	-	-	-	8,004,000
Total Capital Financing Program		30,145,221	10,422,184	9,561,636	10,161,401	-	-	-	30,145,221
Other Operating Costs		-	-	-	-	-	-	-	-
Operating Equipment		460,948	-	460,948	-	-	-	-	460,948
OPEB\PERS Pre-Funding		-	-	-	-	-	-	-	-
Total Other Operating Costs		460,948	-	460,948	-	-	-	-	460,948
Increase/(Decrease) in Required Reserves		-	-	-	-	-	-	-	-
Total General District Requirements		30,606,169	10,422,184	10,022,584	10,161,401	-	-	-	30,606,169
REQUIREMENTS BEFORE OFFSETS:		58,154,797	10,422,184	30,251,085	10,161,401	7,320,128	-	-	58,154,797
Revenue Offsets									
Taxes - MWD Portion of SWP GO Debt Service		-	-	-	-	-	-	-	-
Taxes - MWD GO Debt Service		957,722	-	-	957,722	-	-	-	957,722
Interest on Investments		561,630	194,174	178,141	189,315	-	-	-	561,630
Hydro-Power Revenue		-	-	-	-	-	-	-	-
CRA Power Revenue		-	-	-	-	-	-	-	-
Wadsworth Pumping Plant (DVL) Power Revenue (cost in dept)		-	-	-	-	-	-	-	-
Misc. allocated to A&G (Lease, Late Fees, etc.)		-	-	-	-	-	-	-	-
Misc. allocated to supply (PVID Lease, CVWD Revenues)		-	-	-	-	-	-	-	-
Taxes - additional from fixed tax rate		-	-	-	-	-	-	-	-
Revenue Reserve used for Revenue Bonds - I&P		-	-	-	-	-	-	-	-
Annexation		-	-	-	-	-	-	-	-
Total Revenue Offsets		1,519,352	194,174	178,141	1,147,037	-	-	-	1,519,352
NET REVENUE REQUIREMENTS:		56,635,445	10,228,010	30,072,944	9,014,364	7,320,128	-	-	56,635,445

Direct Labor used for A&G Allocation
Allocation of Revenue Requirements: Treatment - Diemer
Fiscal Year Ending 2019

		Functionalization	Allocation Percentages						Total
			Fixed			Variable Commodity	Other	Hydroelectric	
			Demand	Commodity	Standby				
Departmental O&M									
Group	***Item***								
Office of General Manager		255,198	-	255,198	-	-	-	-	255,198
Office of General Manager	Board of Directors	-	-	-	-	-	-	-	-
Office of General Manager	Bay Delta Initiatives	-	-	-	-	-	-	-	-
External Affairs	Legislative Services	-	-	-	-	-	-	-	-
External Affairs	Media Communications Services	-	-	-	-	-	-	-	-
External Affairs	Manager, External Affairs/Special Projects	-	-	-	-	-	-	-	-
External Affairs	Conservation & Community Services	-	-	-	-	-	-	-	-
Human Resources		554,820	-	554,820	-	-	-	-	554,820
Water Systems Operations	Office of the Manager	207,254	-	207,254	-	-	-	-	207,254
Water Systems Operations	Office of the Manager, Conveyance & Distribution Section	-	-	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Treatment Section	167,709	-	167,709	-	-	-	-	167,709
Water Systems Operations	Office of the Manager, Operations Support Services	147,257	-	147,257	-	-	-	-	147,257
Water Systems Operations	Operations Support Services	89,515	-	89,515	-	-	-	-	89,515
Water Systems Operations	Desert Region / C&D CRA	-	-	-	-	-	-	-	-
Water Systems Operations	System Operations Unit	-	-	-	-	-	-	-	-
Water Systems Operations	Power Operations and Planning	-	-	-	-	-	-	-	-
Water Systems Operations	Operations Planning & Programs Unit	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Jensen	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Diemer	8,691,790	-	8,691,790	-	-	-	-	8,691,790
Water Systems Operations	Treatment Mills	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Skinner	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Weymouth	-	-	-	-	-	-	-	-
Water Systems Operations	Water Quality Section	1,783,245	-	1,783,245	-	-	-	-	1,783,245
Water Systems Operations	C&D, Eastern Unit	-	-	-	-	-	-	-	-
Water Systems Operations	C&D, Western Unit	-	-	-	-	-	-	-	-
Water Systems Operations	OSS, Manufacturing Services Unit	113,833	-	113,833	-	-	-	-	113,833
Water Systems Operations	Environmental Health & Safety Section	1,201,132	-	1,201,132	-	-	-	-	1,201,132
Water Systems Operations	OSS, Fleet Services Unit	289,494	-	289,494	-	-	-	-	289,494
Water Systems Operations	OSS, Power Support Unit	191,533	-	191,533	-	-	-	-	191,533
Water Systems Operations	Office of the Manager, Operations & Planning Section	26,764	-	26,764	-	-	-	-	26,764
Water Systems Operations	Security Team & Security Management	134,510	-	134,510	-	-	-	-	134,510
Office of the Chief Financial O		-	-	-	-	-	-	-	-
Business Technology	Office of Manager	-	-	-	-	-	-	-	-
Engineering Services		2,151,894	-	2,151,894	-	-	-	-	2,151,894
Business Technology	Administrative Services	-	-	-	-	-	-	-	-
Business Technology	Information Technology	1,583,591	-	1,583,591	-	-	-	-	1,583,591
Water Resources Managemen	Resource Planning & Development	745	-	745	-	-	-	-	745
Water Resources Managemen	Resource Implementation	-	-	-	-	-	-	-	-
Water Resources Managemen	Office of the Group Manager	117	-	117	-	-	-	-	117
Ethics Office		-	-	-	-	-	-	-	-
Real Property		-	-	-	-	-	-	-	-
General Counsel		-	-	-	-	-	-	-	-
General Auditor		-	-	-	-	-	-	-	-
Total Departmental O&M	-	17,590,401	-	17,590,401	-	-	-	-	17,590,401

Allocation Percentages: Treatment - Mills
Fiscal Year Ending 2019

		Functionalization	Allocation Percentages						% Total
			Fixed			Variable Commodity	Other	Hydroelectric	
			Demand	Commodity	Standby				
Departmental O&M									
Group	***Item***								
Office of General Manager		183,499	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Office of General Manager	Board of Directors	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Office of General Manager	Bay Delta Initiatives	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
External Affairs	Legislative Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
External Affairs	Media Communications Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
External Affairs	Manager, External Affairs/Special Projects	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
External Affairs	Conservation & Community Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Human Resources		452,812	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager	304,576	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager, Conveyance & Distribution Section	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager, Treatment Section	146,634	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager, Operations Support Services	145,736	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Operations Support Services	98,528	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Desert Region / C&D CRA	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	System Operations Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Power Operations and Planning	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Operations Planning & Programs Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Jensen	-	0.0%	63.1%	0.0%	36.9%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Diemer	-	0.0%	54.1%	0.0%	45.9%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Mills	9,899,787	0.0%	71.6%	0.0%	28.4%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Skinner	-	0.0%	62.7%	0.0%	37.3%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Weymouth	-	0.0%	57.1%	0.0%	42.9%	0.0%	0.0%	100.0%
Water Systems Operations	Water Quality Section	2,184,166	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	C&D, Eastern Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	C&D, Western Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	OSS, Manufacturing Services Unit	126,408	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Environmental Health & Safety Section	1,483,232	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	OSS, Fleet Services Unit	461,864	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	OSS, Power Support Unit	213,783	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager, Operations & Planning Section	23,133	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Security Team & Security Management	193,231	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Office of the Chief Financial Officer		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Business Technology	Office of Manager	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Engineering Services		682,173	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Business Technology	Administrative Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Business Technology	Information Technology	1,394,457	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Resources Management	Resource Planning & Development	812	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Resources Management	Resource Implementation	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Resources Management	Office of the Group Manager	117	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Ethics Office		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Real Property		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
General Counsel		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
General Auditor		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Total Departmental O&M		17,994,948	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
GENERAL DISTRICT REQUIREMENTS									
State Water Project									
Supply - O&M		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Supply - Capital		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Power - O&M & Off-Aq Capital		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Power - Capital (less Off-Aq)		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Transmission - Capital - Commodity, Demand, & Standby		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Transmission - O&M - Commodity only		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
CA WaterFix - Capital		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Total State Water Project		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Colorado River Aqueduct Power Costs		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Supply Programs		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Demand Management Programs		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Local Resources Program		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Future Supply Actions		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Conservation Credits Program		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Total Demand Management Programs		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Capital Financing Program		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Revenue Bond Debt Service net of BABs Interest Subsidy Payment		5,755,359	34.6%	31.7%	33.7%	0.0%	0.0%	0.0%	100.0%
G.O. Bond Debt Service		265,635	34.6%	31.7%	33.7%	0.0%	0.0%	0.0%	100.0%
Debt Administration & State Revolving Funds		120,124	34.6%	31.7%	33.7%	0.0%	0.0%	0.0%	100.0%
Bond Defeasance		-	34.6%	31.7%	33.7%	0.0%	0.0%	0.0%	100.0%
PAYGO		2,220,000	34.6%	31.7%	33.7%	0.0%	0.0%	0.0%	100.0%
Total Capital Financing Program		8,361,118	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Other Operating Costs									
Operating Equipment		355,302	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
OPEB\PERS Pre-Funding		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Total Other Operating Costs		355,302	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Increase/(Decrease) in Required Reserves		-	33.2%	34.5%	32.3%	0.0%	0.0%	0.0%	100.0%
Total General District Requirements		8,716,421	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
REQUIREMENTS BEFORE OFFSETS:		26,711,369	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Revenue Offsets									
Taxes - MWD Portion of SWP GO Debt Service		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Taxes - MWD GO Debt Service		265,635	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Interest on Investments		257,965	34.6%	31.7%	33.7%	0.0%	0.0%	0.0%	100.0%
Hydro-Power Revenue		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
CRA Power Revenue		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Wadsworth Pumping Plant (DVL) Power Revenue (cost in dept)		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Misc. allocated to A&G (Lease, Late Fees, etc.)		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Misc. allocated to supply (PVID Lease, CVWD Revenues)		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Taxes - additional from fixed tax rate		-	34.6%	31.7%	33.7%	0.0%	0.0%	0.0%	100.0%
Revenue Reserve used for Revenue Bonds - I&P		-	34.6%	31.7%	33.7%	0.0%	0.0%	0.0%	100.0%
Annexation		-	34.6%	31.7%	33.7%	0.0%	0.0%	0.0%	100.0%
Total Revenue Offsets		523,600	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
NET REVENUE REQUIREMENTS:	-	26,187,768	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

Allocation of Revenue Requirements: Treatment - Mills
Fiscal Year Ending 2019

		Functionalization	Allocation Percentages						Total
			Fixed			Variable Commodity	Other	Hydroelectric	
			Demand	Commodity	Standby				
Departmental O&M									
Group	***Item***								
Office of General Manager		183,499	-	183,499	-	-	-	-	183,499
Office of General Manager	Board of Directors	-	-	-	-	-	-	-	-
Office of General Manager	Bay Delta Initiatives	-	-	-	-	-	-	-	-
External Affairs	Legislative Services	-	-	-	-	-	-	-	-
External Affairs	Media Communications Services	-	-	-	-	-	-	-	-
External Affairs	Manager, External Affairs/Special Projects	-	-	-	-	-	-	-	-
External Affairs	Conservation & Community Services	-	-	-	-	-	-	-	-
Human Resources		452,812	-	452,812	-	-	-	-	452,812
Water Systems Operations	Office of the Manager	304,576	-	304,576	-	-	-	-	304,576
Water Systems Operations	Office of the Manager, Conveyance & Distribution S	-	-	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Treatment Section	146,634	-	146,634	-	-	-	-	146,634
Water Systems Operations	Office of the Manager, Operations Support Service	145,736	-	145,736	-	-	-	-	145,736
Water Systems Operations	Operations Support Services	98,528	-	98,528	-	-	-	-	98,528
Water Systems Operations	Desert Region / C&D CRA	-	-	-	-	-	-	-	-
Water Systems Operations	System Operations Unit	-	-	-	-	-	-	-	-
Water Systems Operations	Power Operations and Planning	-	-	-	-	-	-	-	-
Water Systems Operations	Operations Planning & Programs Unit	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Jensen	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Diemer	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Mills	9,899,787	-	7,091,959	-	2,807,828	-	-	9,899,787
Water Systems Operations	Treatment Skinner	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Weymouth	-	-	-	-	-	-	-	-
Water Systems Operations	Water Quality Section	2,184,166	-	2,184,166	-	-	-	-	2,184,166
Water Systems Operations	C&D, Eastern Unit	-	-	-	-	-	-	-	-
Water Systems Operations	C&D, Western Unit	-	-	-	-	-	-	-	-
Water Systems Operations	OSS, Manufacturing Services Unit	126,408	-	126,408	-	-	-	-	126,408
Water Systems Operations	Environmental Health & Safety Section	1,483,232	-	1,483,232	-	-	-	-	1,483,232
Water Systems Operations	OSS, Fleet Services Unit	461,864	-	461,864	-	-	-	-	461,864
Water Systems Operations	OSS, Power Support Unit	213,783	-	213,783	-	-	-	-	213,783
Water Systems Operations	Office of the Manager, Operations & Planning Secti	23,133	-	23,133	-	-	-	-	23,133
Water Systems Operations	Security Team & Security Management	193,231	-	193,231	-	-	-	-	193,231
Office of the Chief Financial O		-	-	-	-	-	-	-	-
Business Technology	Office of Manager	-	-	-	-	-	-	-	-
Engineering Services		682,173	-	682,173	-	-	-	-	682,173
Business Technology	Administrative Services	-	-	-	-	-	-	-	-
Business Technology	Information Technology	1,394,457	-	1,394,457	-	-	-	-	1,394,457
Water Resources Managemen	Resource Planning & Development	812	-	812	-	-	-	-	812
Water Resources Managemen	Resource Implementation	-	-	-	-	-	-	-	-
Water Resources Managemen	Office of the Group Manager	117	-	117	-	-	-	-	117
Ethics Office		-	-	-	-	-	-	-	-
Real Property		-	-	-	-	-	-	-	-
General Counsel		-	-	-	-	-	-	-	-
General Auditor		-	-	-	-	-	-	-	-
Total Departmental O&M	-	17,994,948	-	15,187,119	-	2,807,828	-	-	17,994,948
		-							-
GENERAL DISTRICT REQUIREMENTS		-	-	-	-	-	-	-	-
		-							-
State Water Project		-	-	-	-	-	-	-	-
Supply - O&M		-	-	-	-	-	-	-	-
Supply - Capital		-	-	-	-	-	-	-	-
Power - O&M & Off-Aq Capital		-	-	-	-	-	-	-	-
Power - Capital (less Off-Aq)		-	-	-	-	-	-	-	-
Transmission - Capital - Commodity, Demand, & Standby		-	-	-	-	-	-	-	-
Transmission - O&M - Commodity only		-	-	-	-	-	-	-	-
CA WaterFix - Capital		-	-	-	-	-	-	-	-
Total State Water Project		-	-	-	-	-	-	-	-
		-							-
Colorado River Aqueduct Power Costs		-	-	-	-	-	-	-	-
		-							-
Supply Programs		-	-	-	-	-	-	-	-
									-
Demand Management Programs		-	-	-	-	-	-	-	-
Local Resources Program		-	-	-	-	-	-	-	-
Future Supply Actions		-	-	-	-	-	-	-	-
Conservation Credits Program		-	-	-	-	-	-	-	-
Total Demand Management Programs		-	-	-	-	-	-	-	-
Capital Financing Program		-	-	-	-	-	-	-	-
Revenue Bond Debt Service net of BABs Interest Subsidy Payment		5,755,359	1,989,815	1,825,518	1,940,026	-	-	-	5,755,359
G.O. Bond Debt Service		265,635	91,839	84,256	89,541	-	-	-	265,635
Debt Administration & State Revolving Funds		120,124	41,531	38,102	40,492	-	-	-	120,124
Bond Defeasance		-	-	-	-	-	-	-	-
PAYGO		2,220,000	767,526	704,152	748,321	-	-	-	2,220,000
Total Capital Financing Program		8,361,118	2,890,711	2,652,028	2,818,380	-	-	-	8,361,118
Other Operating Costs		-	-	-	-	-	-	-	-
Operating Equipment		355,302	-	355,302	-	-	-	-	355,302
OPEB\PERS Pre-Funding		-	-	-	-	-	-	-	-
Total Other Operating Costs		355,302	-	355,302	-	-	-	-	355,302
Increase/(Decrease) in Required Reserves		-	-	-	-	-	-	-	-
Total General District Requirements		8,716,421	2,890,711	3,007,331	2,818,380	-	-	-	8,716,421
REQUIREMENTS BEFORE OFFSETS:		26,711,369	2,890,711	18,194,450	2,818,380	2,807,828	-	-	26,711,369
Revenue Offsets									
Taxes - MWD Portion of SWP GO Debt Service		-	-	-	-	-	-	-	-
Taxes - MWD GO Debt Service		265,635	-	-	265,635	-	-	-	265,635
Interest on Investments		257,965	89,187	81,823	86,955	-	-	-	257,965
Hydro-Power Revenue		-	-	-	-	-	-	-	-
CRA Power Revenue		-	-	-	-	-	-	-	-
Wadsworth Pumping Plant (DVL) Power Revenue (cost in dept)		-	-	-	-	-	-	-	-
Misc. allocated to A&G (Lease, Late Fees, etc.)		-	-	-	-	-	-	-	-
Misc. allocated to supply (PVID Lease, CVWD Revenues)		-	-	-	-	-	-	-	-
Taxes - additional from fixed tax rate		-	-	-	-	-	-	-	-
Revenue Reserve used for Revenue Bonds - I&P		-	-	-	-	-	-	-	-
Annexation		-	-	-	-	-	-	-	-
Total Revenue Offsets		523,600	89,187	81,823	352,590	-	-	-	523,600
NET REVENUE REQUIREMENTS:		26,187,768	2,801,524	18,112,627	2,465,789	2,807,828	-	-	26,187,768

Direct Labor used for A&G Allocation
Allocation of Revenue Requirements: Treatment - Mills
Fiscal Year Ending 2019

		Functionalization	Allocation Percentages						Total
			Fixed			Variable Commodity	Other	Hydroelectric	
			Demand	Commodity	Standby				
Departmental O&M									
Group	***Item***								
Office of General Manager		166,697	-	166,697	-	-	-	-	166,697
Office of General Manager	Board of Directors	-	-	-	-	-	-	-	-
Office of General Manager	Bay Delta Initiatives	-	-	-	-	-	-	-	-
External Affairs	Legislative Services	-	-	-	-	-	-	-	-
External Affairs	Media Communications Services	-	-	-	-	-	-	-	-
External Affairs	Manager, External Affairs/Special Projects	-	-	-	-	-	-	-	-
External Affairs	Conservation & Community Services	-	-	-	-	-	-	-	-
Human Resources		362,412	-	362,412	-	-	-	-	362,412
Water Systems Operations	Office of the Manager	181,094	-	181,094	-	-	-	-	181,094
Water Systems Operations	Office of the Manager, Conveyance & Distribution Section	-	-	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Treatment Section	104,180	-	104,180	-	-	-	-	104,180
Water Systems Operations	Office of the Manager, Operations Support Services	128,670	-	128,670	-	-	-	-	128,670
Water Systems Operations	Operations Support Services	89,515	-	89,515	-	-	-	-	89,515
Water Systems Operations	Desert Region / C&D CRA	-	-	-	-	-	-	-	-
Water Systems Operations	System Operations Unit	-	-	-	-	-	-	-	-
Water Systems Operations	Power Operations and Planning	-	-	-	-	-	-	-	-
Water Systems Operations	Operations Planning & Programs Unit	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Jensen	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Diemer	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Mills	7,254,197	-	7,254,197	-	-	-	-	7,254,197
Water Systems Operations	Treatment Skinner	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Weymouth	-	-	-	-	-	-	-	-
Water Systems Operations	Water Quality Section	1,783,245	-	1,783,245	-	-	-	-	1,783,245
Water Systems Operations	C&D, Eastern Unit	-	-	-	-	-	-	-	-
Water Systems Operations	C&D, Western Unit	-	-	-	-	-	-	-	-
Water Systems Operations	OSS, Manufacturing Services Unit	113,833	-	113,833	-	-	-	-	113,833
Water Systems Operations	Environmental Health & Safety Section	1,201,132	-	1,201,132	-	-	-	-	1,201,132
Water Systems Operations	OSS, Fleet Services Unit	289,494	-	289,494	-	-	-	-	289,494
Water Systems Operations	OSS, Power Support Unit	191,533	-	191,533	-	-	-	-	191,533
Water Systems Operations	Office of the Manager, Operations & Planning Section	23,386	-	23,386	-	-	-	-	23,386
Water Systems Operations	Security Team & Security Management	37,308	-	37,308	-	-	-	-	37,308
Office of the Chief Financial O		-	-	-	-	-	-	-	-
Business Technology	Office of Manager	-	-	-	-	-	-	-	-
Engineering Services		596,852	-	596,852	-	-	-	-	596,852
Business Technology	Administrative Services	-	-	-	-	-	-	-	-
Business Technology	Information Technology	1,034,412	-	1,034,412	-	-	-	-	1,034,412
Water Resources Managemen	Resource Planning & Development	745	-	745	-	-	-	-	745
Water Resources Managemen	Resource Implementation	-	-	-	-	-	-	-	-
Water Resources Managemen	Office of the Group Manager	117	-	117	-	-	-	-	117
Ethics Office		-	-	-	-	-	-	-	-
Real Property		-	-	-	-	-	-	-	-
General Counsel		-	-	-	-	-	-	-	-
General Auditor		-	-	-	-	-	-	-	-
Total Departmental O&M	-	13,558,821	-	13,558,821	-	-	-	-	13,558,821

Allocation Percentages: Treatment - Skinner
Fiscal Year Ending 2019

		Functionalization	Allocation Percentages						% Total
			Fixed			Variable Commodity	Other	Hydroelectric	
			Demand	Commodity	Standby				
Departmental O&M									
Group	***Item***								
Office of General Manager		238,600	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Office of General Manager	Board of Directors	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Office of General Manager	Bay Delta Initiatives	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
External Affairs	Legislative Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
External Affairs	Media Communications Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
External Affairs	Manager, External Affairs/Special Projects	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
External Affairs	Conservation & Community Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Human Resources		588,783	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager	322,119	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager, Conveyance & Distribution Section	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager, Treatment Section	177,941	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager, Operations Support Services	154,131	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Operations Support Services	98,528	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Desert Region / C&D CRA	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	System Operations Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Power Operations and Planning	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Operations Planning & Programs Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Jensen	-	0.0%	63.1%	0.0%	36.9%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Diemer	-	0.0%	54.1%	0.0%	45.9%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Mills	-	0.0%	71.6%	0.0%	28.4%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Skinner	12,013,473	0.0%	62.7%	0.0%	37.3%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Weymouth	-	0.0%	57.1%	0.0%	42.9%	0.0%	0.0%	100.0%
Water Systems Operations	Water Quality Section	2,184,166	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	C&D, Eastern Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	C&D, Western Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	OSS, Manufacturing Services Unit	126,408	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Environmental Health & Safety Section	1,483,232	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	OSS, Fleet Services Unit	461,864	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	OSS, Power Support Unit	213,783	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager, Operations & Planning Section	24,465	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Security Team & Security Management	771,881	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Office of the Chief Financial Officer		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Business Technology	Office of Manager	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Engineering Services		2,725,004	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Business Technology	Administrative Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Business Technology	Information Technology	1,813,187	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Resources Management	Resource Planning & Development	812	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Resources Management	Resource Implementation	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Resources Management	Office of the Group Manager	117	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Ethics Office		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Real Property		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
General Counsel		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
General Auditor		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Total Departmental O&M		23,398,493	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
GENERAL DISTRICT REQUIREMENTS									
State Water Project									
Supply - O&M		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Supply - Capital		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Power - O&M & Off-Aq Capital		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Power - Capital (less Off-Aq)		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Transmission - Capital - Commodity, Demand, & Standby		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Transmission - O&M - Commodity only		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
CA WaterFix - Capital		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Total State Water Project		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Colorado River Aqueduct Power Costs		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Supply Programs		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Demand Management Programs		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Local Resources Program		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Future Supply Actions		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Conservation Credits Program		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Total Demand Management Programs		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Capital Financing Program		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Revenue Bond Debt Service net of BABs Interest Subsidy Payment		22,990,325	34.6%	31.7%	33.7%	0.0%	0.0%	0.0%	100.0%
G.O. Bond Debt Service		1,061,104	34.6%	31.7%	33.7%	0.0%	0.0%	0.0%	100.0%
Debt Administration & State Revolving Funds		479,849	34.6%	31.7%	33.7%	0.0%	0.0%	0.0%	100.0%
Bond Defeasance		-	34.6%	31.7%	33.7%	0.0%	0.0%	0.0%	100.0%
PAYGO		8,868,000	34.6%	31.7%	33.7%	0.0%	0.0%	0.0%	100.0%
Total Capital Financing Program		33,399,278	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Other Operating Costs									
Operating Equipment		431,644	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
OPEB\PERS Pre-Funding		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Total Other Operating Costs		431,644	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Increase/(Decrease) in Required Reserves		-	34.1%	32.6%	33.3%	0.0%	0.0%	0.0%	100.0%
Total General District Requirements		33,830,922	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
REQUIREMENTS BEFORE OFFSETS:		57,229,415	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Revenue Offsets									
Taxes - MWD Portion of SWP GO Debt Service		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Taxes - MWD GO Debt Service		1,061,104	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Interest on Investments		552,694	34.6%	31.7%	33.7%	0.0%	0.0%	0.0%	100.0%
Hydro-Power Revenue		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
CRA Power Revenue		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Wadsworth Pumping Plant (DVL) Power Revenue (cost in dept)		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Misc. allocated to A&G (Lease, Late Fees, etc.)		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Misc. allocated to supply (PVID Lease, CVWD Revenues)		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Taxes - additional from fixed tax rate		-	34.6%	31.7%	33.7%	0.0%	0.0%	0.0%	100.0%
Revenue Reserve used for Revenue Bonds - I&P		-	34.6%	31.7%	33.7%	0.0%	0.0%	0.0%	100.0%
Annexation		-	34.6%	31.7%	33.7%	0.0%	0.0%	0.0%	100.0%
Total Revenue Offsets		1,613,798	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
NET REVENUE REQUIREMENTS:	-	55,615,617	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

Allocation of Revenue Requirements: Treatment - Skinner
Fiscal Year Ending 2019

		Functionalization	Allocation Percentages						Total
			Fixed			Variable	Other	Hydroelectric	
			Demand	Commodity	Standby	Commodity			
Departmental O&M									
Group	***Item***								
Office of General Manager		238,600	-	238,600	-	-	-	-	238,600
Office of General Manager	Board of Directors	-	-	-	-	-	-	-	-
Office of General Manager	Bay Delta Initiatives	-	-	-	-	-	-	-	-
External Affairs	Legislative Services	-	-	-	-	-	-	-	-
External Affairs	Media Communications Services	-	-	-	-	-	-	-	-
External Affairs	Manager, External Affairs/Special Projects	-	-	-	-	-	-	-	-
External Affairs	Conservation & Community Services	-	-	-	-	-	-	-	-
Human Resources		588,783	-	588,783	-	-	-	-	588,783
Water Systems Operations	Office of the Manager	322,119	-	322,119	-	-	-	-	322,119
Water Systems Operations	Office of the Manager, Conveyance & Distribution S	-	-	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Treatment Section	177,941	-	177,941	-	-	-	-	177,941
Water Systems Operations	Office of the Manager, Operations Support Service	154,131	-	154,131	-	-	-	-	154,131
Water Systems Operations	Operations Support Services	98,528	-	98,528	-	-	-	-	98,528
Water Systems Operations	Desert Region / C&D CRA	-	-	-	-	-	-	-	-
Water Systems Operations	System Operations Unit	-	-	-	-	-	-	-	-
Water Systems Operations	Power Operations and Planning	-	-	-	-	-	-	-	-
Water Systems Operations	Operations Planning & Programs Unit	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Jensen	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Diemer	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Mills	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Skinner	12,013,473	-	7,531,279	-	4,482,194	-	-	12,013,473
Water Systems Operations	Treatment Weymouth	-	-	-	-	-	-	-	-
Water Systems Operations	Water Quality Section	2,184,166	-	2,184,166	-	-	-	-	2,184,166
Water Systems Operations	C&D, Eastern Unit	-	-	-	-	-	-	-	-
Water Systems Operations	C&D, Western Unit	-	-	-	-	-	-	-	-
Water Systems Operations	OSS, Manufacturing Services Unit	126,408	-	126,408	-	-	-	-	126,408
Water Systems Operations	Environmental Health & Safety Section	1,483,232	-	1,483,232	-	-	-	-	1,483,232
Water Systems Operations	OSS, Fleet Services Unit	461,864	-	461,864	-	-	-	-	461,864
Water Systems Operations	OSS, Power Support Unit	213,783	-	213,783	-	-	-	-	213,783
Water Systems Operations	Office of the Manager, Operations & Planning Secti	24,465	-	24,465	-	-	-	-	24,465
Water Systems Operations	Security Team & Security Management	771,881	-	771,881	-	-	-	-	771,881
Office of the Chief Financial O		-	-	-	-	-	-	-	-
Business Technology	Office of Manager	-	-	-	-	-	-	-	-
Engineering Services		2,725,004	-	2,725,004	-	-	-	-	2,725,004
Business Technology	Administrative Services	-	-	-	-	-	-	-	-
Business Technology	Information Technology	1,813,187	-	1,813,187	-	-	-	-	1,813,187
Water Resources Managemen	Resource Planning & Development	812	-	812	-	-	-	-	812
Water Resources Managemen	Resource Implementation	-	-	-	-	-	-	-	-
Water Resources Managemen	Office of the Group Manager	117	-	117	-	-	-	-	117
Ethics Office		-	-	-	-	-	-	-	-
Real Property		-	-	-	-	-	-	-	-
General Counsel		-	-	-	-	-	-	-	-
General Auditor		-	-	-	-	-	-	-	-
Total Departmental O&M	-	23,398,493	-	18,916,299	-	4,482,194	-	-	23,398,493
		-							-
GENERAL DISTRICT REQUIREMENTS		-	-	-	-	-	-	-	-
		-							-
State Water Project		-	-	-	-	-	-	-	-
Supply - O&M		-	-	-	-	-	-	-	-
Supply - Capital		-	-	-	-	-	-	-	-
Power - O&M & Off-Aq Capital		-	-	-	-	-	-	-	-
Power - Capital (less Off-Aq)		-	-	-	-	-	-	-	-
Transmission - Capital - Commodity, Demand, & Standby		-	-	-	-	-	-	-	-
Transmission - O&M - Commodity only		-	-	-	-	-	-	-	-
CA WaterFix - Capital		-	-	-	-	-	-	-	-
Total State Water Project		-	-	-	-	-	-	-	-
		-							-
Colorado River Aqueduct Power Costs		-	-	-	-	-	-	-	-
		-							-
Supply Programs		-	-	-	-	-	-	-	-
									-
Demand Management Programs		-	-	-	-	-	-	-	-
Local Resources Program		-	-	-	-	-	-	-	-
Future Supply Actions		-	-	-	-	-	-	-	-
Conservation Credits Program		-	-	-	-	-	-	-	-
Total Demand Management Programs		-	-	-	-	-	-	-	-
Capital Financing Program		-	-	-	-	-	-	-	-
Revenue Bond Debt Service net of BABs Interest Subsidy Payment		22,990,325	7,948,503	7,292,205	7,749,617	-	-	-	22,990,325
G.O. Bond Debt Service		1,061,104	366,858	336,567	357,679	-	-	-	1,061,104
Debt Administration & State Revolving Funds		479,849	165,899	152,201	161,748	-	-	-	479,849
Bond Defeasance		-	-	-	-	-	-	-	-
PAYGO		8,868,000	3,065,956	2,812,804	2,989,240	-	-	-	8,868,000
Total Capital Financing Program		33,399,278	11,547,217	10,593,777	11,258,284	-	-	-	33,399,278
Other Operating Costs		-	-	-	-	-	-	-	-
Operating Equipment		431,644	-	431,644	-	-	-	-	431,644
OPEB\PERS Pre-Funding		-	-	-	-	-	-	-	-
Total Other Operating Costs		431,644	-	431,644	-	-	-	-	431,644
Increase/(Decrease) in Required Reserves		-	-	-	-	-	-	-	-
Total General District Requirements		33,830,922	11,547,217	11,025,421	11,258,284	-	-	-	33,830,922
REQUIREMENTS BEFORE OFFSETS:		57,229,415	11,547,217	29,941,720	11,258,284	4,482,194	-	-	57,229,415
Revenue Offsets									
Taxes - MWD Portion of SWP GO Debt Service		-	-	-	-	-	-	-	-
Taxes - MWD GO Debt Service		1,061,104	-	-	1,061,104	-	-	-	1,061,104
Interest on Investments		552,694	191,084	175,307	186,303	-	-	-	552,694
Hydro-Power Revenue		-	-	-	-	-	-	-	-
CRA Power Revenue		-	-	-	-	-	-	-	-
Wadsworth Pumping Plant (DVL) Power Revenue (cost in dept)		-	-	-	-	-	-	-	-
Misc. allocated to A&G (Lease, Late Fees, etc.)		-	-	-	-	-	-	-	-
Misc. allocated to supply (PVID Lease, CVWD Revenues)		-	-	-	-	-	-	-	-
Taxes - additional from fixed tax rate		-	-	-	-	-	-	-	-
Revenue Reserve used for Revenue Bonds - I&P		-	-	-	-	-	-	-	-
Annexation		-	-	-	-	-	-	-	-
Total Revenue Offsets		1,613,798	191,084	175,307	1,247,407	-	-	-	1,613,798
NET REVENUE REQUIREMENTS:		55,615,617	11,356,133	29,766,413	10,010,877	4,482,194	-	-	55,615,617

Direct Labor used for A&G Allocation
Allocation of Revenue Requirements: Treatment - Skinner
Fiscal Year Ending 2019

		Functionalization	Allocation Percentages						Total
			Fixed			Variable Commodity	Other	Hydroelectric	
			Demand	Commodity	Standby				
Departmental O&M									
Group	***Item***								
Office of General Manager		216,753	-	216,753	-	-	-	-	216,753
Office of General Manager	Board of Directors	-	-	-	-	-	-	-	-
Office of General Manager	Bay Delta Initiatives	-	-	-	-	-	-	-	-
External Affairs	Legislative Services	-	-	-	-	-	-	-	-
External Affairs	Media Communications Services	-	-	-	-	-	-	-	-
External Affairs	Manager, External Affairs/Special Projects	-	-	-	-	-	-	-	-
External Affairs	Conservation & Community Services	-	-	-	-	-	-	-	-
Human Resources		471,237	-	471,237	-	-	-	-	471,237
Water Systems Operations	Office of the Manager	191,524	-	191,524	-	-	-	-	191,524
Water Systems Operations	Office of the Manager, Conveyance & Distribution Section	-	-	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Treatment Section	126,423	-	126,423	-	-	-	-	126,423
Water Systems Operations	Office of the Manager, Operations Support Services	136,081	-	136,081	-	-	-	-	136,081
Water Systems Operations	Operations Support Services	89,515	-	89,515	-	-	-	-	89,515
Water Systems Operations	Desert Region / C&D CRA	-	-	-	-	-	-	-	-
Water Systems Operations	System Operations Unit	-	-	-	-	-	-	-	-
Water Systems Operations	Power Operations and Planning	-	-	-	-	-	-	-	-
Water Systems Operations	Operations Planning & Programs Unit	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Jensen	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Diemer	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Mills	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Skinner	7,757,520	-	7,757,520	-	-	-	-	7,757,520
Water Systems Operations	Treatment Weymouth	-	-	-	-	-	-	-	-
Water Systems Operations	Water Quality Section	1,783,245	-	1,783,245	-	-	-	-	1,783,245
Water Systems Operations	C&D, Eastern Unit	-	-	-	-	-	-	-	-
Water Systems Operations	C&D, Western Unit	-	-	-	-	-	-	-	-
Water Systems Operations	OSS, Manufacturing Services Unit	113,833	-	113,833	-	-	-	-	113,833
Water Systems Operations	Environmental Health & Safety Section	1,201,132	-	1,201,132	-	-	-	-	1,201,132
Water Systems Operations	OSS, Fleet Services Unit	289,494	-	289,494	-	-	-	-	289,494
Water Systems Operations	OSS, Power Support Unit	191,533	-	191,533	-	-	-	-	191,533
Water Systems Operations	Office of the Manager, Operations & Planning Section	24,732	-	24,732	-	-	-	-	24,732
Water Systems Operations	Security Team & Security Management	149,030	-	149,030	-	-	-	-	149,030
Office of the Chief Financial O		-	-	-	-	-	-	-	-
Business Technology	Office of Manager	-	-	-	-	-	-	-	-
Engineering Services		2,384,182	-	2,384,182	-	-	-	-	2,384,182
Business Technology	Administrative Services	-	-	-	-	-	-	-	-
Business Technology	Information Technology	1,345,027	-	1,345,027	-	-	-	-	1,345,027
Water Resources Managemen	Resource Planning & Development	745	-	745	-	-	-	-	745
Water Resources Managemen	Resource Implementation	-	-	-	-	-	-	-	-
Water Resources Managemen	Office of the Group Manager	117	-	117	-	-	-	-	117
Ethics Office		-	-	-	-	-	-	-	-
Real Property		-	-	-	-	-	-	-	-
General Counsel		-	-	-	-	-	-	-	-
General Auditor		-	-	-	-	-	-	-	-
Total Departmental O&M	-	16,472,124	-	16,472,124	-	-	-	-	16,472,124

Allocation Percentages: Distribution
Fiscal Year Ending 2019

		Functionalization	Allocation Percentages						% Total
			Fixed			Variable Commodity	Other	Hydroelectric	
			Demand	Commodity	Standby				
Departmental O&M									
Group	***Item***								
Office of General Manager		976,390	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Office of General Manager	Board of Directors	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Office of General Manager	Bay Delta Initiatives	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
External Affairs	Legislative Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
External Affairs	Media Communications Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
External Affairs	Manager, External Affairs/Special Projects	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
External Affairs	Conservation & Community Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Human Resources		2,409,400	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager	1,462,689	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager, Conveyance & Distribution Section	293,971	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager, Treatment Section	149,551	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager, Operations Support Services	699,882	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Operations Support Services	5,340,231	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Desert Region / C&D CRA	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	System Operations Unit	8,039,514	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Power Operations and Planning	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Operations Planning & Programs Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Jensen	1,989,043	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Diemer	2,444,734	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Mills	1,518,652	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Skinner	1,842,897	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Weymouth	2,301,410	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Water Quality Section	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	C&D, Eastern Unit	14,413,138	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	C&D, Western Unit	13,231,891	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	OSS, Manufacturing Services Unit	5,282,047	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Environmental Health & Safety Section	4,094,185	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	OSS, Fleet Services Unit	5,398,542	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	OSS, Power Support Unit	4,147,691	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager, Operations & Planning Section	111,093	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Security Team & Security Management	1,764,549	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Office of the Chief Financial Officer		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Business Technology	Office of Manager	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Engineering Services		6,229,459	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Business Technology	Administrative Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Business Technology	Information Technology	7,419,867	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Resources Management	Resource Planning & Development	1,339,282	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Resources Management	Resource Implementation	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Resources Management	Office of the Group Manager	193,769	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Ethics Office		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Real Property		2,656,719	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
General Counsel		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
General Auditor		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Total Departmental O&M		95,750,596	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
GENERAL DISTRICT REQUIREMENTS									
State Water Project									
Supply - O&M		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Supply - Capital		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Power - O&M & Off-Aq Capital		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Power - Capital (less Off-Aq)		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Transmission - Capital - Commodity, Demand, & Standby		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Transmission - O&M - Commodity only		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
CA WaterFix - Capital		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Total State Water Project		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Colorado River Aqueduct Power Costs		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Supply Programs		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Demand Management Programs		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Local Resources Program		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Future Supply Actions		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Conservation Credits Program		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Total Demand Management Programs		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Capital Financing Program		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Revenue Bond Debt Service net of BABs Interest Subsidy Payment		52,556,728	31.9%	41.4%	26.7%	0.0%	0.0%	0.0%	100.0%
G.O. Bond Debt Service		10,480,380	31.9%	41.4%	26.7%	0.0%	0.0%	0.0%	100.0%
Debt Administration & State Revolving Funds		1,096,951	31.9%	41.4%	26.7%	0.0%	0.0%	0.0%	100.0%
Bond Defeasance		-	31.9%	41.4%	26.7%	0.0%	0.0%	0.0%	100.0%
PAYGO		20,272,574	31.9%	41.4%	26.7%	0.0%	0.0%	0.0%	100.0%
Total Capital Financing Program		84,406,633	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Other Operating Costs									
Operating Equipment		1,862,483	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
OPEB\PERS Pre-Funding		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Total Other Operating Costs		1,862,483	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Increase/(Decrease) in Required Reserves		-	31.2%	42.6%	26.1%	0.0%	0.0%	0.0%	100.0%
Total General District Requirements		86,269,116	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
REQUIREMENTS BEFORE OFFSETS:		182,019,712	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Revenue Offsets									
Taxes - MWD Portion of SWP GO Debt Service		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Taxes - MWD GO Debt Service		10,480,380	31.9%	41.4%	26.7%	0.0%	0.0%	0.0%	100.0%
Interest on Investments		1,757,857	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Hydro-Power Revenue		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
CRA Power Revenue		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Wadsworth Pumping Plant (DVL) Power Revenue (cost in dept)		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Misc. allocated to A&G (Lease, Late Fees, etc.)		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Misc. allocated to supply (PVID Lease, CVWD Revenues)		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Taxes - additional from fixed tax rate		-	31.9%	41.4%	26.7%	0.0%	0.0%	0.0%	100.0%
Revenue Reserve used for Revenue Bonds - I&P		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Annexation		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Total Revenue Offsets		12,238,236	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
NET REVENUE REQUIREMENTS:	-	169,781,476	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

Allocation of Revenue Requirements: Distribution
Fiscal Year Ending 2019

		Functionalization	Allocation Percentages						Total
			Fixed			Variable Commodity	Other	Hydroelectric	
			Demand	Commodity	Standby				
Departmental O&M									
Group	***Item***								
Office of General Manager		976,390	-	976,390	-	-	-	-	976,390
Office of General Manager	Board of Directors	-	-	-	-	-	-	-	-
Office of General Manager	Bay Delta Initiatives	-	-	-	-	-	-	-	-
External Affairs	Legislative Services	-	-	-	-	-	-	-	-
External Affairs	Media Communications Services	-	-	-	-	-	-	-	-
External Affairs	Manager, External Affairs/Special Projects	-	-	-	-	-	-	-	-
External Affairs	Conservation & Community Services	-	-	-	-	-	-	-	-
Human Resources		2,409,400	-	2,409,400	-	-	-	-	2,409,400
Water Systems Operations	Office of the Manager	1,462,689	-	1,462,689	-	-	-	-	1,462,689
Water Systems Operations	Office of the Manager, Conveyance & Distribution S	293,971	-	293,971	-	-	-	-	293,971
Water Systems Operations	Office of the Manager, Treatment Section	149,551	-	149,551	-	-	-	-	149,551
Water Systems Operations	Office of the Manager, Operations Support Service	699,882	-	699,882	-	-	-	-	699,882
Water Systems Operations	Operations Support Services	5,340,231	-	5,340,231	-	-	-	-	5,340,231
Water Systems Operations	Desert Region / C&D CRA	-	-	-	-	-	-	-	-
Water Systems Operations	System Operations Unit	8,039,514	-	8,039,514	-	-	-	-	8,039,514
Water Systems Operations	Power Operations and Planning	-	-	-	-	-	-	-	-
Water Systems Operations	Operations Planning & Programs Unit	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Jensen	1,989,043	-	1,989,043	-	-	-	-	1,989,043
Water Systems Operations	Treatment Diemer	2,444,734	-	2,444,734	-	-	-	-	2,444,734
Water Systems Operations	Treatment Mills	1,518,652	-	1,518,652	-	-	-	-	1,518,652
Water Systems Operations	Treatment Skinner	1,842,897	-	1,842,897	-	-	-	-	1,842,897
Water Systems Operations	Treatment Weymouth	2,301,410	-	2,301,410	-	-	-	-	2,301,410
Water Systems Operations	Water Quality Section	-	-	-	-	-	-	-	-
Water Systems Operations	C&D, Eastern Unit	14,413,138	-	14,413,138	-	-	-	-	14,413,138
Water Systems Operations	C&D, Western Unit	13,231,891	-	13,231,891	-	-	-	-	13,231,891
Water Systems Operations	OSS, Manufacturing Services Unit	5,282,047	-	5,282,047	-	-	-	-	5,282,047
Water Systems Operations	Environmental Health & Safety Section	4,094,185	-	4,094,185	-	-	-	-	4,094,185
Water Systems Operations	OSS, Fleet Services Unit	5,398,542	-	5,398,542	-	-	-	-	5,398,542
Water Systems Operations	OSS, Power Support Unit	4,147,691	-	4,147,691	-	-	-	-	4,147,691
Water Systems Operations	Office of the Manager, Operations & Planning Secti	111,093	-	111,093	-	-	-	-	111,093
Water Systems Operations	Security Team & Security Management	1,764,549	-	1,764,549	-	-	-	-	1,764,549
Office of the Chief Financial O		-	-	-	-	-	-	-	-
Business Technology	Office of Manager	-	-	-	-	-	-	-	-
Engineering Services		6,229,459	-	6,229,459	-	-	-	-	6,229,459
Business Technology	Administrative Services	-	-	-	-	-	-	-	-
Business Technology	Information Technology	7,419,867	-	7,419,867	-	-	-	-	7,419,867
Water Resources Managemen	Resource Planning & Development	1,339,282	-	1,339,282	-	-	-	-	1,339,282
Water Resources Managemen	Resource Implementation	-	-	-	-	-	-	-	-
Water Resources Managemen	Office of the Group Manager	193,769	-	193,769	-	-	-	-	193,769
Ethics Office		-	-	-	-	-	-	-	-
Real Property		2,656,719	-	2,656,719	-	-	-	-	2,656,719
General Counsel		-	-	-	-	-	-	-	-
General Auditor		-	-	-	-	-	-	-	-
Total Departmental O&M	-	95,750,596	-	95,750,596	-	-	-	-	95,750,596
		-							-
GENERAL DISTRICT REQUIREMENTS		-	-	-	-	-	-	-	-
		-							-
State Water Project		-	-	-	-	-	-	-	-
Supply - O&M		-	-	-	-	-	-	-	-
Supply - Capital		-	-	-	-	-	-	-	-
Power - O&M & Off-Aq Capital		-	-	-	-	-	-	-	-
Power - Capital (less Off-Aq)		-	-	-	-	-	-	-	-
Transmission - Capital - Commodity, Demand, & Standby		-	-	-	-	-	-	-	-
Transmission - O&M - Commodity only		-	-	-	-	-	-	-	-
CA WaterFix - Capital		-	-	-	-	-	-	-	-
Total State Water Project		-	-	-	-	-	-	-	-
		-							-
Colorado River Aqueduct Power Costs		-	-	-	-	-	-	-	-
		-							-
Supply Programs		-	-	-	-	-	-	-	-
									-
Demand Management Programs		-	-	-	-	-	-	-	-
Local Resources Program		-	-	-	-	-	-	-	-
Future Supply Actions		-	-	-	-	-	-	-	-
Conservation Credits Program		-	-	-	-	-	-	-	-
Total Demand Management Programs		-	-	-	-	-	-	-	-
Capital Financing Program		-	-	-	-	-	-	-	-
Revenue Bond Debt Service net of BABs Interest Subsidy Payment		52,556,728	16,781,218	21,738,126	14,037,384	-	-	-	52,556,728
G.O. Bond Debt Service		10,480,380	3,346,356	4,334,817	2,799,206	-	-	-	10,480,380
Debt Administration & State Revolving Funds		1,096,951	350,254	453,713	292,985	-	-	-	1,096,951
Bond Defeasance		-	-	-	-	-	-	-	-
PAYGO		20,272,574	6,472,977	8,384,992	5,414,605	-	-	-	20,272,574
Total Capital Financing Program		84,406,633	26,950,805	34,911,648	22,544,179	-	-	-	84,406,633
Other Operating Costs		-	-	-	-	-	-	-	-
Operating Equipment		1,862,483	-	1,862,483	-	-	-	-	1,862,483
OPEB\PERS Pre-Funding		-	-	-	-	-	-	-	-
Total Other Operating Costs		1,862,483	-	1,862,483	-	-	-	-	1,862,483
Increase/(Decrease) in Required Reserves		-	-	-	-	-	-	-	-
Total General District Requirements		86,269,116	26,950,805	36,774,131	22,544,179	-	-	-	86,269,116
REQUIREMENTS BEFORE OFFSETS:		182,019,712	26,950,805	132,524,727	22,544,179	-	-	-	182,019,712
Revenue Offsets									
Taxes - MWD Portion of SWP GO Debt Service		-	-	-	-	-	-	-	-
Taxes - MWD GO Debt Service		10,480,380	3,346,356	4,334,817	2,799,206	-	-	-	10,480,380
Interest on Investments		1,757,857	-	1,757,857	-	-	-	-	1,757,857
Hydro-Power Revenue		-	-	-	-	-	-	-	-
CRA Power Revenue		-	-	-	-	-	-	-	-
Wadsworth Pumping Plant (DVL) Power Revenue (cost in dept)		-	-	-	-	-	-	-	-
Misc. allocated to A&G (Lease, Late Fees, etc.)		-	-	-	-	-	-	-	-
Misc. allocated to supply (PVID Lease, CVWD Revenues)		-	-	-	-	-	-	-	-
Taxes - additional from fixed tax rate		-	-	-	-	-	-	-	-
Revenue Reserve used for Revenue Bonds - I&P		-	-	-	-	-	-	-	-
Annexation		-	-	-	-	-	-	-	-
Total Revenue Offsets		12,238,236	3,346,356	6,092,674	2,799,206	-	-	-	12,238,236
NET REVENUE REQUIREMENTS:		169,781,476	23,604,449	126,432,053	19,744,973	-	-	-	169,781,476

Direct Labor used for A&G Allocation
Allocation of Revenue Requirements: Distribution
Fiscal Year Ending 2019

		Functionalization	Allocation Percentages						Total
			Fixed			Variable Commodity	Other	Hydroelectric	
			Demand	Commodity	Standby				
Departmental O&M									
Group	***Item***								
Office of General Manager		886,991	-	886,991	-	-	-	-	886,991
Office of General Manager	Board of Directors	-	-	-	-	-	-	-	-
Office of General Manager	Bay Delta Initiatives	-	-	-	-	-	-	-	-
External Affairs	Legislative Services	-	-	-	-	-	-	-	-
External Affairs	Media Communications Services	-	-	-	-	-	-	-	-
External Affairs	Manager, External Affairs/Special Projects	-	-	-	-	-	-	-	-
External Affairs	Conservation & Community Services	-	-	-	-	-	-	-	-
Human Resources		1,928,383	-	1,928,383	-	-	-	-	1,928,383
Water Systems Operations	Office of the Manager	869,682	-	869,682	-	-	-	-	869,682
Water Systems Operations	Office of the Manager, Conveyance & Distribution Section	274,402	-	274,402	-	-	-	-	274,402
Water Systems Operations	Office of the Manager, Treatment Section	106,253	-	106,253	-	-	-	-	106,253
Water Systems Operations	Office of the Manager, Operations Support Services	617,922	-	617,922	-	-	-	-	617,922
Water Systems Operations	Operations Support Services	4,851,724	-	4,851,724	-	-	-	-	4,851,724
Water Systems Operations	Desert Region / C&D CRA	-	-	-	-	-	-	-	-
Water Systems Operations	System Operations Unit	6,848,697	-	6,848,697	-	-	-	-	6,848,697
Water Systems Operations	Power Operations and Planning	-	-	-	-	-	-	-	-
Water Systems Operations	Operations Planning & Programs Unit	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Jensen	1,261,160	-	1,261,160	-	-	-	-	1,261,160
Water Systems Operations	Treatment Diemer	1,333,343	-	1,333,343	-	-	-	-	1,333,343
Water Systems Operations	Treatment Mills	1,112,812	-	1,112,812	-	-	-	-	1,112,812
Water Systems Operations	Treatment Skinner	1,190,023	-	1,190,023	-	-	-	-	1,190,023
Water Systems Operations	Treatment Weymouth	1,350,374	-	1,350,374	-	-	-	-	1,350,374
Water Systems Operations	Water Quality Section	-	-	-	-	-	-	-	-
Water Systems Operations	C&D, Eastern Unit	9,616,489	-	9,616,489	-	-	-	-	9,616,489
Water Systems Operations	C&D, Western Unit	9,677,795	-	9,677,795	-	-	-	-	9,677,795
Water Systems Operations	OSS, Manufacturing Services Unit	4,756,601	-	4,756,601	-	-	-	-	4,756,601
Water Systems Operations	Environmental Health & Safety Section	3,315,502	-	3,315,502	-	-	-	-	3,315,502
Water Systems Operations	OSS, Fleet Services Unit	3,383,779	-	3,383,779	-	-	-	-	3,383,779
Water Systems Operations	OSS, Power Support Unit	3,716,003	-	3,716,003	-	-	-	-	3,716,003
Water Systems Operations	Office of the Manager, Operations & Planning Section	112,306	-	112,306	-	-	-	-	112,306
Water Systems Operations	Security Team & Security Management	340,688	-	340,688	-	-	-	-	340,688
Office of the Chief Financial O		-	-	-	-	-	-	-	-
Business Technology	Office of Manager	-	-	-	-	-	-	-	-
Engineering Services		5,450,328	-	5,450,328	-	-	-	-	5,450,328
Business Technology	Administrative Services	-	-	-	-	-	-	-	-
Business Technology	Information Technology	5,504,078	-	5,504,078	-	-	-	-	5,504,078
Water Resources Managemen	Resource Planning & Development	1,228,713	-	1,228,713	-	-	-	-	1,228,713
Water Resources Managemen	Resource Implementation	-	-	-	-	-	-	-	-
Water Resources Managemen	Office of the Group Manager	192,637	-	192,637	-	-	-	-	192,637
Ethics Office		-	-	-	-	-	-	-	-
Real Property		1,148,171	-	1,148,171	-	-	-	-	1,148,171
General Counsel		-	-	-	-	-	-	-	-
General Auditor		-	-	-	-	-	-	-	-
Total Departmental O&M	-	71,074,856	-	71,074,856	-	-	-	-	71,074,856

Allocation Percentages: Hydroelectric
Fiscal Year Ending 2019

		Functionalization	Allocation Percentages						% Total
			Fixed			Variable	Other	Hydroelectric	
			Demand	Commodity	Standby	Commodity			
Departmental O&M									
Group	***Item***								
Office of General Manager		53,373	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	100.0%
Office of General Manager	Board of Directors	-	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	100.0%
Office of General Manager	Bay Delta Initiatives	-	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	100.0%
External Affairs	Legislative Services	-	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	100.0%
External Affairs	Media Communications Services	-	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	100.0%
External Affairs	Manager, External Affairs/Special Projects	-	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	100.0%
External Affairs	Conservation & Community Services	-	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	100.0%
Human Resources		131,705	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	100.0%
Water Systems Operations	Office of the Manager	92,316	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	100.0%
Water Systems Operations	Office of the Manager, Conveyance & Distribution Section	16,036	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	100.0%
Water Systems Operations	Office of the Manager, Treatment Section	-	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	100.0%
Water Systems Operations	Office of the Manager, Operations Support Services	44,172	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	100.0%
Water Systems Operations	Operations Support Services	131,371	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	100.0%
Water Systems Operations	Desert Region / C&D CRA	-	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	100.0%
Water Systems Operations	System Operations Unit	-	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	100.0%
Water Systems Operations	Power Operations and Planning	38,363	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	100.0%
Water Systems Operations	Operations Planning & Programs Unit	-	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	100.0%
Water Systems Operations	Treatment Jensen	-	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	100.0%
Water Systems Operations	Treatment Diemer	-	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	100.0%
Water Systems Operations	Treatment Mills	-	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	100.0%
Water Systems Operations	Treatment Skinner	-	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	100.0%
Water Systems Operations	Treatment Weymouth	-	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	100.0%
Water Systems Operations	Water Quality Section	-	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	100.0%
Water Systems Operations	C&D, Eastern Unit	706,171	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	100.0%
Water Systems Operations	C&D, Western Unit	794,797	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	100.0%
Water Systems Operations	OSS, Manufacturing Services Unit	128,988	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	100.0%
Water Systems Operations	Environmental Health & Safety Section	116,560	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	100.0%
Water Systems Operations	OSS, Fleet Services Unit	-	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	100.0%
Water Systems Operations	OSS, Power Support Unit	2,122,775	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	100.0%
Water Systems Operations	Office of the Manager, Operations & Planning Section	7,011	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	100.0%
Water Systems Operations	Security Team & Security Management	98,182	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	100.0%
Office of the Chief Financial Officer		-	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	100.0%
Business Technology	Office of Manager	-	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	100.0%
Engineering Services		346,618	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	100.0%
Business Technology	Administrative Services	-	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	100.0%
Business Technology	Information Technology	405,593	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	100.0%
Water Resources Management	Resource Planning & Development	-	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	100.0%
Water Resources Management	Resource Implementation	-	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	100.0%
Water Resources Management	Office of the Group Manager	-	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	100.0%
Ethics Office		-	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	100.0%
Real Property		-	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	100.0%
General Counsel		-	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	100.0%
General Auditor		-	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	100.0%
Total Departmental O&M		5,234,031	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
GENERAL DISTRICT REQUIREMENTS									
State Water Project									
Supply - O&M		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Supply - Capital		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Power - O&M & Off-Aq Capital		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Power - Capital (less Off-Aq)		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Transmission - Capital - Commodity, Demand, & Standby		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Transmission - O&M - Commodity only		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
CA WaterFix - Capital		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Total State Water Project		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Colorado River Aqueduct Power Costs		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Supply Programs		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Demand Management Programs		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Local Resources Program		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Future Supply Actions		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Conservation Credits Program		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Total Demand Management Programs		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Capital Financing Program		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Revenue Bond Debt Service net of BABs Interest Subsidy Payment		2,924,344	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	100.0%
G.O. Bond Debt Service		-	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	100.0%
Debt Administration & State Revolving Funds		61,036	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	100.0%
Bond Defeasance		-	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	100.0%
PAYGO		1,128,000	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	100.0%
Total Capital Financing Program		4,113,381	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Other Operating Costs									
Operating Equipment		110,389	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	100.0%
OPEB\PERS Pre-Funding		-	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	100.0%
Total Other Operating Costs		110,389	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Increase/(Decrease) in Required Reserves		-	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	100.0%
Total General District Requirements		4,223,770	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
REQUIREMENTS BEFORE OFFSETS:		9,457,801	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Revenue Offsets									
Taxes - MWD Portion of SWP GO Debt Service		-	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	100.0%
Taxes - MWD GO Debt Service		-	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	100.0%
Interest on Investments		91,339	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	100.0%
Hydro-Power Revenue		14,457,569	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	100.0%
CRA Power Revenue		-	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	100.0%
Wadsworth Pumping Plant (DVL) Power Revenue (cost in dept)		-	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	100.0%
Misc. allocated to A&G (Lease, Late Fees, etc.)		-	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	100.0%
Misc. allocated to supply (PVID Lease, CVWD Revenues)		-	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	100.0%
Taxes - additional from fixed tax rate		-	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	100.0%
Revenue Reserve used for Revenue Bonds - I&P		-	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	100.0%
Annexation		-	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	100.0%
Total Revenue Offsets		14,548,908	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
NET REVENUE REQUIREMENTS:	-	(5,091,107)	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

Allocation of Revenue Requirements: Hydroelectric
Fiscal Year Ending 2019

		Functionalization	Allocation Percentages						Total
			Fixed			Variable	Other	Hydroelectric	
			Demand	Commodity	Standby	Commodity			
Departmental O&M									
Group	***Item***								
Office of General Manager		53,373	-	-	-	-	-	53,373	53,373
Office of General Manager	Board of Directors	-	-	-	-	-	-	-	-
Office of General Manager	Bay Delta Initiatives	-	-	-	-	-	-	-	-
External Affairs	Legislative Services	-	-	-	-	-	-	-	-
External Affairs	Media Communications Services	-	-	-	-	-	-	-	-
External Affairs	Manager, External Affairs/Special Projects	-	-	-	-	-	-	-	-
External Affairs	Conservation & Community Services	-	-	-	-	-	-	-	-
Human Resources		131,705	-	-	-	-	-	131,705	131,705
Water Systems Operations	Office of the Manager	92,316	-	-	-	-	-	92,316	92,316
Water Systems Operations	Office of the Manager, Conveyance & Distribution S	16,036	-	-	-	-	-	16,036	16,036
Water Systems Operations	Office of the Manager, Treatment Section	-	-	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Operations Support Service	44,172	-	-	-	-	-	44,172	44,172
Water Systems Operations	Operations Support Services	131,371	-	-	-	-	-	131,371	131,371
Water Systems Operations	Desert Region / C&D CRA	-	-	-	-	-	-	-	-
Water Systems Operations	System Operations Unit	-	-	-	-	-	-	-	-
Water Systems Operations	Power Operations and Planning	38,363	-	-	-	-	-	38,363	38,363
Water Systems Operations	Operations Planning & Programs Unit	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Jensen	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Diemer	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Mills	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Skinner	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Weymouth	-	-	-	-	-	-	-	-
Water Systems Operations	Water Quality Section	-	-	-	-	-	-	-	-
Water Systems Operations	C&D, Eastern Unit	706,171	-	-	-	-	-	706,171	706,171
Water Systems Operations	C&D, Western Unit	794,797	-	-	-	-	-	794,797	794,797
Water Systems Operations	OSS, Manufacturing Services Unit	128,988	-	-	-	-	-	128,988	128,988
Water Systems Operations	Environmental Health & Safety Section	116,560	-	-	-	-	-	116,560	116,560
Water Systems Operations	OSS, Fleet Services Unit	-	-	-	-	-	-	-	-
Water Systems Operations	OSS, Power Support Unit	2,122,775	-	-	-	-	-	2,122,775	2,122,775
Water Systems Operations	Office of the Manager, Operations & Planning Secti	7,011	-	-	-	-	-	7,011	7,011
Water Systems Operations	Security Team & Security Management	98,182	-	-	-	-	-	98,182	98,182
Office of the Chief Financial O		-	-	-	-	-	-	-	-
Business Technology	Office of Manager	-	-	-	-	-	-	-	-
Engineering Services		346,618	-	-	-	-	-	346,618	346,618
Business Technology	Administrative Services	-	-	-	-	-	-	-	-
Business Technology	Information Technology	405,593	-	-	-	-	-	405,593	405,593
Water Resources Managemen	Resource Planning & Development	-	-	-	-	-	-	-	-
Water Resources Managemen	Resource Implementation	-	-	-	-	-	-	-	-
Water Resources Managemen	Office of the Group Manager	-	-	-	-	-	-	-	-
Ethics Office		-	-	-	-	-	-	-	-
Real Property		-	-	-	-	-	-	-	-
General Counsel		-	-	-	-	-	-	-	-
General Auditor		-	-	-	-	-	-	-	-
Total Departmental O&M	-	5,234,031	-	-	-	-	-	5,234,031	5,234,031
		-							-
GENERAL DISTRICT REQUIREMENTS		-	-	-	-	-	-	-	-
		-							-
State Water Project		-	-	-	-	-	-	-	-
Supply - O&M		-	-	-	-	-	-	-	-
Supply - Capital		-	-	-	-	-	-	-	-
Power - O&M & Off-Aq Capital		-	-	-	-	-	-	-	-
Power - Capital (less Off-Aq)		-	-	-	-	-	-	-	-
Transmission - Capital - Commodity, Demand, & Standby		-	-	-	-	-	-	-	-
Transmission - O&M - Commodity only		-	-	-	-	-	-	-	-
CA WaterFix - Capital		-	-	-	-	-	-	-	-
Total State Water Project		-	-	-	-	-	-	-	-
		-							-
Colorado River Aqueduct Power Costs		-	-	-	-	-	-	-	-
		-							-
Supply Programs		-	-	-	-	-	-	-	-
									-
Demand Management Programs		-	-	-	-	-	-	-	-
Local Resources Program		-	-	-	-	-	-	-	-
Future Supply Actions		-	-	-	-	-	-	-	-
Conservation Credits Program		-	-	-	-	-	-	-	-
Total Demand Management Programs		-	-	-	-	-	-	-	-
Capital Financing Program		-	-	-	-	-	-	-	-
Revenue Bond Debt Service net of BABs Interest Subsidy Payment		2,924,344	-	-	-	-	-	2,924,344	2,924,344
G.O. Bond Debt Service		-	-	-	-	-	-	-	-
Debt Administration & State Revolving Funds		61,036	-	-	-	-	-	61,036	61,036
Bond Defeasance		-	-	-	-	-	-	-	-
PAYGO		1,128,000	-	-	-	-	-	1,128,000	1,128,000
Total Capital Financing Program		4,113,381	-	-	-	-	-	4,113,381	4,113,381
Other Operating Costs		-	-	-	-	-	-	-	-
Operating Equipment		110,389	-	-	-	-	-	110,389	110,389
OPEB\PERS Pre-Funding		-	-	-	-	-	-	-	-
Total Other Operating Costs		110,389	-	-	-	-	-	110,389	110,389
Increase/(Decrease) in Required Reserves		-	-	-	-	-	-	-	-
Total General District Requirements		4,223,770	-	-	-	-	-	4,223,770	4,223,770
REQUIREMENTS BEFORE OFFSETS:		9,457,801	-	-	-	-	-	9,457,801	9,457,801
Revenue Offsets									
Taxes - MWD Portion of SWP GO Debt Service		-	-	-	-	-	-	-	-
Taxes - MWD GO Debt Service		-	-	-	-	-	-	-	-
Interest on Investments		91,339	-	-	-	-	-	91,339	91,339
Hydro-Power Revenue		14,457,569	-	-	-	-	-	14,457,569	14,457,569
CRA Power Revenue		-	-	-	-	-	-	-	-
Wadsworth Pumping Plant (DVL) Power Revenue (cost in dept)		-	-	-	-	-	-	-	-
Misc. allocated to A&G (Lease, Late Fees, etc.)		-	-	-	-	-	-	-	-
Misc. allocated to supply (PVID Lease, CVWD Revenues)		-	-	-	-	-	-	-	-
Taxes - additional from fixed tax rate		-	-	-	-	-	-	-	-
Revenue Reserve used for Revenue Bonds - I&P		-	-	-	-	-	-	-	-
Annexation		-	-	-	-	-	-	-	-
Total Revenue Offsets		14,548,908	-	-	-	-	-	14,548,908	14,548,908
NET REVENUE REQUIREMENTS:		(5,091,107)	-	-	-	-	-	(5,091,107)	(5,091,107)

Direct Labor used for A&G Allocation
Allocation of Revenue Requirements: Hydroelectric
Fiscal Year Ending 2019

		Functionalization	Allocation Percentages						Total
			Fixed			Variable Commodity	Other	Hydroelectric	
			Demand	Commodity	Standby				
Departmental O&M									
Group	***Item***								
Office of General Manager		48,486	-	-	-	-	-	48,486	48,486
Office of General Manager	Board of Directors	-	-	-	-	-	-	-	-
Office of General Manager	Bay Delta Initiatives	-	-	-	-	-	-	-	-
External Affairs	Legislative Services	-	-	-	-	-	-	-	-
External Affairs	Media Communications Services	-	-	-	-	-	-	-	-
External Affairs	Manager, External Affairs/Special Projects	-	-	-	-	-	-	-	-
External Affairs	Conservation & Community Services	-	-	-	-	-	-	-	-
Human Resources		105,412	-	-	-	-	-	105,412	105,412
Water Systems Operations	Office of the Manager	54,889	-	-	-	-	-	54,889	54,889
Water Systems Operations	Office of the Manager, Conveyance & Distribution Section	14,968	-	-	-	-	-	14,968	14,968
Water Systems Operations	Office of the Manager, Treatment Section	-	-	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Operations Support Services	38,999	-	-	-	-	-	38,999	38,999
Water Systems Operations	Operations Support Services	119,354	-	-	-	-	-	119,354	119,354
Water Systems Operations	Desert Region / C&D CRA	-	-	-	-	-	-	-	-
Water Systems Operations	System Operations Unit	-	-	-	-	-	-	-	-
Water Systems Operations	Power Operations and Planning	35,448	-	-	-	-	-	35,448	35,448
Water Systems Operations	Operations Planning & Programs Unit	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Jensen	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Diemer	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Mills	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Skinner	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Weymouth	-	-	-	-	-	-	-	-
Water Systems Operations	Water Quality Section	-	-	-	-	-	-	-	-
Water Systems Operations	C&D, Eastern Unit	471,160	-	-	-	-	-	471,160	471,160
Water Systems Operations	C&D, Western Unit	581,314	-	-	-	-	-	581,314	581,314
Water Systems Operations	OSS, Manufacturing Services Unit	116,156	-	-	-	-	-	116,156	116,156
Water Systems Operations	Environmental Health & Safety Section	94,392	-	-	-	-	-	94,392	94,392
Water Systems Operations	OSS, Fleet Services Unit	-	-	-	-	-	-	-	-
Water Systems Operations	OSS, Power Support Unit	1,901,838	-	-	-	-	-	1,901,838	1,901,838
Water Systems Operations	Office of the Manager, Operations & Planning Section	7,088	-	-	-	-	-	7,088	7,088
Water Systems Operations	Security Team & Security Management	18,956	-	-	-	-	-	18,956	18,956
Office of the Chief Financial Of		-	-	-	-	-	-	-	-
Business Technology	Office of Manager	-	-	-	-	-	-	-	-
Engineering Services		303,265	-	-	-	-	-	303,265	303,265
Business Technology	Administrative Services	-	-	-	-	-	-	-	-
Business Technology	Information Technology	300,870	-	-	-	-	-	300,870	300,870
Water Resources Managemen	Resource Planning & Development	-	-	-	-	-	-	-	-
Water Resources Managemen	Resource Implementation	-	-	-	-	-	-	-	-
Water Resources Managemen	Office of the Group Manager	-	-	-	-	-	-	-	-
Ethics Office		-	-	-	-	-	-	-	-
Real Property		-	-	-	-	-	-	-	-
General Counsel		-	-	-	-	-	-	-	-
General Auditor		-	-	-	-	-	-	-	-
Total Departmental O&M	-	4,212,594	-	-	-	-	-	4,212,594	4,212,594

Allocation Percentages: Demand Management
Fiscal Year Ending 2019

		Functionalization	Allocation Percentages						% Total
			Fixed			Variable Commodity	Other	Hydroelectric	
			Demand	Commodity	Standby				
Departmental O&M									
Group	***Item***								
Office of General Manager		121,818	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Office of General Manager	Board of Directors	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Office of General Manager	Bay Delta Initiatives	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
External Affairs	Legislative Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
External Affairs	Media Communications Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
External Affairs	Manager, External Affairs/Special Projects	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
External Affairs	Conservation & Community Services	2,878,101	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Human Resources		300,606	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager, Conveyance & Distribution Section	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager, Treatment Section	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager, Operations Support Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Operations Support Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Desert Region / C&D CRA	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	System Operations Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Power Operations and Planning	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Operations Planning & Programs Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Jensen	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Diemer	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Mills	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Skinner	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Weymouth	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Water Quality Section	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	C&D, Eastern Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	C&D, Western Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	OSS, Manufacturing Services Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Environmental Health & Safety Section	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	OSS, Fleet Services Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	OSS, Power Support Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager, Operations & Planning Section	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Security Team & Security Management	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Office of the Chief Financial Officer		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Business Technology	Office of Manager	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Engineering Services		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Business Technology	Administrative Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Business Technology	Information Technology	925,731	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Resources Management	Resource Planning & Development	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Resources Management	Resource Implementation	6,744,195	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Resources Management	Office of the Group Manager	975,761	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Ethics Office		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Real Property		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
General Counsel		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
General Auditor		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Total Departmental O&M		11,946,211	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
GENERAL DISTRICT REQUIREMENTS									
State Water Project									
Supply - O&M		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Supply - Capital		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Power - O&M & Off-Aq Capital		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Power - Capital (less Off-Aq)		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Transmission - Capital - Commodity, Demand, & Standby		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Transmission - O&M - Commodity only		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
CA WaterFix - Capital		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Total State Water Project		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Colorado River Aqueduct Power Costs		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Supply Programs		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Demand Management Programs		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Local Resources Program		44,099,873	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Future Supply Actions		1,960,000	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Conservation Credits Program		43,000,000	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Total Demand Management Programs		89,059,873	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Capital Financing Program		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Revenue Bond Debt Service net of BABs Interest Subsidy Payment		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
G.O. Bond Debt Service		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Debt Administration & State Revolving Funds		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Bond Defeasance		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
PAYGO		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Total Capital Financing Program		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Other Operating Costs									
Operating Equipment		194,092	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
OPEB\PERS Pre-Funding		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Total Other Operating Costs		194,092	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Increase/(Decrease) in Required Reserves		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Total General District Requirements		89,253,965	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
REQUIREMENTS BEFORE OFFSETS:		101,200,176	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Revenue Offsets									
Taxes - MWD Portion of SWP GO Debt Service		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Taxes - MWD GO Debt Service		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Interest on Investments		977,342	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Hydro-Power Revenue		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
CRA Power Revenue		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Wadsworth Pumping Plant (DVL) Power Revenue (cost in dept)		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Misc. allocated to A&G (Lease, Late Fees, etc.)		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Misc. allocated to supply (PVID Lease, CVWD Revenues)		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Taxes - additional from fixed tax rate		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Revenue Reserve used for Revenue Bonds - I&P		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Annexation		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Total Revenue Offsets		977,342	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
NET REVENUE REQUIREMENTS:	-	100,222,835	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

Allocation of Revenue Requirements: Demand Management
Fiscal Year Ending 2019

		Functionalization	Allocation Percentages						Total
			Fixed			Variable Commodity	Other	Hydroelectric	
			Demand	Commodity	Standby				
Departmental O&M									
Group	***Item***								
Office of General Manager		121,818	-	121,818	-	-	-	-	121,818
Office of General Manager	Board of Directors	-	-	-	-	-	-	-	-
Office of General Manager	Bay Delta Initiatives	-	-	-	-	-	-	-	-
External Affairs	Legislative Services	-	-	-	-	-	-	-	-
External Affairs	Media Communications Services	-	-	-	-	-	-	-	-
External Affairs	Manager, External Affairs/Special Projects	-	-	-	-	-	-	-	-
External Affairs	Conservation & Community Services	2,878,101	-	2,878,101	-	-	-	-	2,878,101
Human Resources		300,606	-	300,606	-	-	-	-	300,606
Water Systems Operations	Office of the Manager	-	-	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Conveyance & Distribution S	-	-	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Treatment Section	-	-	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Operations Support Service	-	-	-	-	-	-	-	-
Water Systems Operations	Operations Support Services	-	-	-	-	-	-	-	-
Water Systems Operations	Desert Region / C&D CRA	-	-	-	-	-	-	-	-
Water Systems Operations	System Operations Unit	-	-	-	-	-	-	-	-
Water Systems Operations	Power Operations and Planning	-	-	-	-	-	-	-	-
Water Systems Operations	Operations Planning & Programs Unit	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Jensen	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Diemer	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Mills	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Skinner	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Weymouth	-	-	-	-	-	-	-	-
Water Systems Operations	Water Quality Section	-	-	-	-	-	-	-	-
Water Systems Operations	C&D, Eastern Unit	-	-	-	-	-	-	-	-
Water Systems Operations	C&D, Western Unit	-	-	-	-	-	-	-	-
Water Systems Operations	OSS, Manufacturing Services Unit	-	-	-	-	-	-	-	-
Water Systems Operations	Environmental Health & Safety Section	-	-	-	-	-	-	-	-
Water Systems Operations	OSS, Fleet Services Unit	-	-	-	-	-	-	-	-
Water Systems Operations	OSS, Power Support Unit	-	-	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Operations & Planning Secti	-	-	-	-	-	-	-	-
Water Systems Operations	Security Team & Security Management	-	-	-	-	-	-	-	-
Office of the Chief Financial O		-	-	-	-	-	-	-	-
Business Technology	Office of Manager	-	-	-	-	-	-	-	-
Engineering Services		-	-	-	-	-	-	-	-
Business Technology	Administrative Services	-	-	-	-	-	-	-	-
Business Technology	Information Technology	925,731	-	925,731	-	-	-	-	925,731
Water Resources Managemen	Resource Planning & Development	-	-	-	-	-	-	-	-
Water Resources Managemen	Resource Implementation	6,744,195	-	6,744,195	-	-	-	-	6,744,195
Water Resources Managemen	Office of the Group Manager	975,761	-	975,761	-	-	-	-	975,761
Ethics Office		-	-	-	-	-	-	-	-
Real Property		-	-	-	-	-	-	-	-
General Counsel		-	-	-	-	-	-	-	-
General Auditor		-	-	-	-	-	-	-	-
Total Departmental O&M	-	11,946,211	-	11,946,211	-	-	-	-	11,946,211
		-							-
GENERAL DISTRICT REQUIREMENTS		-	-	-	-	-	-	-	-
		-							-
State Water Project		-	-	-	-	-	-	-	-
Supply - O&M		-	-	-	-	-	-	-	-
Supply - Capital		-	-	-	-	-	-	-	-
Power - O&M & Off-Aq Capital		-	-	-	-	-	-	-	-
Power - Capital (less Off-Aq)		-	-	-	-	-	-	-	-
Transmission - Capital - Commodity, Demand, & Standby		-	-	-	-	-	-	-	-
Transmission - O&M - Commodity only		-	-	-	-	-	-	-	-
CA WaterFix - Capital		-	-	-	-	-	-	-	-
Total State Water Project		-	-	-	-	-	-	-	-
		-							-
Colorado River Aqueduct Power Costs		-	-	-	-	-	-	-	-
		-							-
Supply Programs		-	-	-	-	-	-	-	-
									-
Demand Management Programs		-	-	-	-	-	-	-	-
Local Resources Program		44,099,873	-	44,099,873	-	-	-	-	44,099,873
Future Supply Actions		1,960,000	-	1,960,000	-	-	-	-	1,960,000
Conservation Credits Program		43,000,000	-	43,000,000	-	-	-	-	43,000,000
Total Demand Management Programs		89,059,873	-	89,059,873	-	-	-	-	89,059,873
Capital Financing Program		-	-	-	-	-	-	-	-
Revenue Bond Debt Service net of BABs Interest Subsidy Payment		-	-	-	-	-	-	-	-
G.O. Bond Debt Service		-	-	-	-	-	-	-	-
Debt Administration & State Revolving Funds		-	-	-	-	-	-	-	-
Bond Defeasance		-	-	-	-	-	-	-	-
PAYGO		-	-	-	-	-	-	-	-
Total Capital Financing Program		-	-	-	-	-	-	-	-
Other Operating Costs		-	-	-	-	-	-	-	-
Operating Equipment		194,092	-	194,092	-	-	-	-	194,092
OPEB\PERS Pre-Funding		-	-	-	-	-	-	-	-
Total Other Operating Costs		194,092	-	194,092	-	-	-	-	194,092
Increase/(Decrease) in Required Reserves		-	-	-	-	-	-	-	-
Total General District Requirements		89,253,965	-	89,253,965	-	-	-	-	89,253,965
REQUIREMENTS BEFORE OFFSETS:		101,200,176	-	101,200,176	-	-	-	-	101,200,176
Revenue Offsets									
Taxes - MWD Portion of SWP GO Debt Service		-	-	-	-	-	-	-	-
Taxes - MWD GO Debt Service		-	-	-	-	-	-	-	-
Interest on Investments		977,342	-	977,342	-	-	-	-	977,342
Hydro-Power Revenue		-	-	-	-	-	-	-	-
CRA Power Revenue		-	-	-	-	-	-	-	-
Wadsworth Pumping Plant (DVL) Power Revenue (cost in dept)		-	-	-	-	-	-	-	-
Misc. allocated to A&G (Lease, Late Fees, etc.)		-	-	-	-	-	-	-	-
Misc. allocated to supply (PVID Lease, CVWD Revenues)		-	-	-	-	-	-	-	-
Taxes - additional from fixed tax rate		-	-	-	-	-	-	-	-
Revenue Reserve used for Revenue Bonds - I&P		-	-	-	-	-	-	-	-
Annexation		-	-	-	-	-	-	-	-
Total Revenue Offsets		977,342	-	977,342	-	-	-	-	977,342
NET REVENUE REQUIREMENTS:		100,222,835	-	100,222,835	-	-	-	-	100,222,835

Direct Labor used for A&G Allocation
Allocation of Revenue Requirements: Demand Management
Fiscal Year Ending 2019

		Functionalization	Allocation Percentages						Total
			Fixed			Variable Commodity	Other	Hydroelectric	
			Demand	Commodity	Standby				
Departmental O&M									
Group	***Item***								
Office of General Manager		110,664	-	110,664	-	-	-	-	110,664
Office of General Manager	Board of Directors	-	-	-	-	-	-	-	-
Office of General Manager	Bay Delta Initiatives	-	-	-	-	-	-	-	-
External Affairs	Legislative Services	-	-	-	-	-	-	-	-
External Affairs	Media Communications Services	-	-	-	-	-	-	-	-
External Affairs	Manager, External Affairs/Special Projects	-	-	-	-	-	-	-	-
External Affairs	Conservation & Community Services	1,559,794	-	1,559,794	-	-	-	-	1,559,794
Human Resources		240,592	-	240,592	-	-	-	-	240,592
Water Systems Operations	Office of the Manager	-	-	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Conveyance & Distribution Section	-	-	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Treatment Section	-	-	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Operations Support Services	-	-	-	-	-	-	-	-
Water Systems Operations	Operations Support Services	-	-	-	-	-	-	-	-
Water Systems Operations	Desert Region / C&D CRA	-	-	-	-	-	-	-	-
Water Systems Operations	System Operations Unit	-	-	-	-	-	-	-	-
Water Systems Operations	Power Operations and Planning	-	-	-	-	-	-	-	-
Water Systems Operations	Operations Planning & Programs Unit	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Jensen	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Diemer	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Mills	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Skinner	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Weymouth	-	-	-	-	-	-	-	-
Water Systems Operations	Water Quality Section	-	-	-	-	-	-	-	-
Water Systems Operations	C&D, Eastern Unit	-	-	-	-	-	-	-	-
Water Systems Operations	C&D, Western Unit	-	-	-	-	-	-	-	-
Water Systems Operations	OSS, Manufacturing Services Unit	-	-	-	-	-	-	-	-
Water Systems Operations	Environmental Health & Safety Section	-	-	-	-	-	-	-	-
Water Systems Operations	OSS, Fleet Services Unit	-	-	-	-	-	-	-	-
Water Systems Operations	OSS, Power Support Unit	-	-	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Operations & Planning Section	-	-	-	-	-	-	-	-
Water Systems Operations	Security Team & Security Management	-	-	-	-	-	-	-	-
Office of the Chief Financial Of		-	-	-	-	-	-	-	-
Business Technology	Office of Manager	-	-	-	-	-	-	-	-
Engineering Services		-	-	-	-	-	-	-	-
Business Technology	Administrative Services	-	-	-	-	-	-	-	-
Business Technology	Information Technology	686,710	-	686,710	-	-	-	-	686,710
Water Resources Managemen	Resource Planning & Development	-	-	-	-	-	-	-	-
Water Resources Managemen	Resource Implementation	3,838,997	-	3,838,997	-	-	-	-	3,838,997
Water Resources Managemen	Office of the Group Manager	970,056	-	970,056	-	-	-	-	970,056
Ethics Office		-	-	-	-	-	-	-	-
Real Property		-	-	-	-	-	-	-	-
General Counsel		-	-	-	-	-	-	-	-
General Auditor		-	-	-	-	-	-	-	-
Total Departmental O&M	-	7,406,813	-	7,406,813	-	-	-	-	7,406,813

Allocation Percentages: Administrative & General
Fiscal Year Ending 2019

		Functionalization	Allocation Percentages						% Total
			Fixed			Variable Commodity	Other	Hydroelectric	
			Demand	Commodity	Standby				
Departmental O&M									
Group	***Item***								
Office of General Manager		1,169,084	0.0%	1.3%	0.0%	0.0%	0.0%	0.0%	1.3%
Office of General Manager	Board of Directors	1,576,653	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Office of General Manager	Bay Delta Initiatives	-	0.0%	1.9%	0.0%	0.0%	0.0%	0.0%	1.9%
External Affairs	Legislative Services	5,850,263	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
External Affairs	Media Communications Services	6,282,911	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
External Affairs	Manager, External Affairs/Special Projects	8,504,632	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
External Affairs	Conservation & Community Services	2,878,101	0.0%	0.6%	0.0%	0.0%	0.0%	0.0%	0.6%
Human Resources		2,884,902	0.0%	2.8%	0.0%	0.0%	0.0%	0.0%	2.8%
Water Systems Operations	Office of the Manager	24,800	0.0%	1.0%	0.0%	0.0%	0.0%	0.0%	1.0%
Water Systems Operations	Office of the Manager, Conveyance & Distribution Section	512	0.0%	0.2%	0.0%	0.0%	0.0%	0.0%	0.2%
Water Systems Operations	Office of the Manager, Treatment Section	-	0.0%	0.3%	0.0%	0.0%	0.0%	0.0%	0.3%
Water Systems Operations	Office of the Manager, Operations Support Services	11,866	0.0%	0.7%	0.0%	0.0%	0.0%	0.0%	0.7%
Water Systems Operations	Operations Support Services	32,843	0.0%	2.3%	0.0%	0.0%	0.0%	0.0%	2.3%
Water Systems Operations	Desert Region / C&D CRA	-	0.0%	8.5%	0.0%	0.0%	0.0%	0.0%	8.5%
Water Systems Operations	System Operations Unit	-	0.0%	2.7%	0.0%	0.0%	0.0%	0.0%	2.7%
Water Systems Operations	Power Operations and Planning	-	0.0%	1.2%	0.0%	0.0%	0.0%	0.0%	1.2%
Water Systems Operations	Operations Planning & Programs Unit	-	0.0%	1.0%	0.0%	0.0%	0.0%	0.0%	1.0%
Water Systems Operations	Treatment Jensen	-	0.0%	3.7%	0.0%	0.0%	0.0%	0.0%	3.7%
Water Systems Operations	Treatment Diemer	-	0.0%	4.0%	0.0%	0.0%	0.0%	0.0%	4.0%
Water Systems Operations	Treatment Mills	-	0.0%	3.3%	0.0%	0.0%	0.0%	0.0%	3.3%
Water Systems Operations	Treatment Skinner	-	0.0%	3.5%	0.0%	0.0%	0.0%	0.0%	3.5%
Water Systems Operations	Treatment Weymouth	-	0.0%	4.0%	0.0%	0.0%	0.0%	0.0%	4.0%
Water Systems Operations	Water Quality Section	-	0.0%	7.1%	0.0%	0.0%	0.0%	0.0%	7.1%
Water Systems Operations	C&D, Eastern Unit	18,107	0.0%	4.6%	0.0%	0.0%	0.0%	0.2%	4.8%
Water Systems Operations	C&D, Western Unit	29,437	0.0%	4.0%	0.0%	0.0%	0.0%	0.2%	4.2%
Water Systems Operations	OSS, Manufacturing Services Unit	12,899	0.0%	2.2%	0.0%	0.0%	0.0%	0.0%	2.3%
Water Systems Operations	Environmental Health & Safety Section	14,570	0.0%	4.6%	0.0%	0.0%	0.0%	0.0%	4.7%
Water Systems Operations	OSS, Fleet Services Unit	1,124,274	0.0%	2.2%	0.0%	0.0%	0.0%	0.0%	2.2%
Water Systems Operations	OSS, Power Support Unit	15,055	0.0%	1.9%	0.0%	0.0%	0.0%	0.8%	2.7%
Water Systems Operations	Office of the Manager, Operations & Planning Section	1,884	0.0%	0.1%	0.0%	0.0%	0.0%	0.0%	0.1%
Water Systems Operations	Security Team & Security Management	494,046	0.0%	0.8%	0.0%	0.0%	0.0%	0.0%	0.8%
Office of the Chief Financial Officer		23,484,293	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Business Technology	Office of Manager	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Engineering Services		1,744,150	0.0%	12.0%	0.0%	0.0%	0.0%	0.1%	12.1%
Business Technology	Administrative Services	24,496,576	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Business Technology	Information Technology	8,884,199	0.0%	7.9%	0.0%	0.0%	0.0%	0.1%	8.0%
Water Resources Management	Resource Planning & Development	16,234	0.0%	1.5%	0.0%	0.0%	0.0%	0.0%	1.5%
Water Resources Management	Resource Implementation	15,944	0.0%	3.6%	0.0%	0.0%	0.0%	0.0%	3.6%
Water Resources Management	Office of the Group Manager	4,655	0.0%	1.1%	0.0%	0.0%	0.0%	0.0%	1.1%
Ethics Office		1,334,788	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Real Property		6,689,810	0.0%	1.6%	0.0%	0.0%	0.0%	0.0%	1.6%
General Counsel		13,587,754	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
General Auditor		3,462,019	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Total Departmental O&M		114,647,261	0.0%	98.3%	0.0%	0.0%	0.0%	1.7%	100.0%
GENERAL DISTRICT REQUIREMENTS									
State Water Project									
Supply - O&M		-	0.0%	7.6%	0.0%	0.0%	0.0%	0.0%	7.6%
Supply - Capital		-	0.0%	3.2%	0.0%	0.0%	0.0%	0.0%	3.2%
Power - O&M & Off-Aq Capital		-	0.0%	0.0%	0.0%	13.6%	0.0%	0.0%	13.6%
Power - Capital (less Off-Aq)		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Transmission - Capital - Commodity, Demand, & Standby		-	1.7%	4.2%	2.3%	0.0%	0.0%	0.0%	8.2%
Transmission - O&M - Commodity only		-	0.0%	14.6%	0.0%	0.0%	0.0%	0.0%	14.6%
CA WaterFix - Capital		-	0.1%	0.2%	0.1%	0.0%	0.0%	0.0%	0.3%
Total State Water Project		-	1.8%	29.6%	2.4%	13.6%	0.0%	0.0%	47.4%
Colorado River Aqueduct Power Costs		-	0.0%	0.0%	0.0%	3.8%	0.0%	0.0%	3.8%
Supply Programs		-	0.0%	5.1%	0.0%	0.0%	0.0%	0.0%	5.1%
Demand Management Programs		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Local Resources Program		-	0.0%	3.7%	0.0%	0.0%	0.0%	0.0%	3.7%
Future Supply Actions		-	0.0%	0.2%	0.0%	0.0%	0.0%	0.0%	0.2%
Conservation Credits Program		-	0.0%	3.6%	0.0%	0.0%	0.0%	0.0%	3.6%
Total Demand Management Programs		-	0.0%	7.4%	0.0%	0.0%	0.0%	0.0%	7.4%
Capital Financing Program		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Revenue Bond Debt Service net of BABs Interest Subsidy Payment		14,715,052	5.1%	11.1%	8.1%	0.0%	0.0%	0.2%	24.6%
G.O. Bond Debt Service		-	0.4%	0.5%	0.3%	0.0%	0.0%	0.0%	1.2%
Debt Administration & State Revolving Funds		307,129	0.1%	0.2%	0.2%	0.0%	0.0%	0.0%	0.5%
Bond Defeasance		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
PAYGO		5,676,000	2.0%	4.3%	3.1%	0.0%	0.0%	0.1%	9.5%
Total Capital Financing Program		20,698,182	7.6%	16.1%	11.7%	0.0%	0.0%	0.3%	35.8%
Other Operating Costs									
Operating Equipment		1,881,114	0.0%	0.5%	0.0%	0.0%	0.0%	0.0%	0.6%
OPEB\PERS Pre-Funding		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Total Other Operating Costs		1,881,114	0.0%	0.5%	0.0%	0.0%	0.0%	0.0%	0.6%
Increase/(Decrease) in Required Reserves		31,600,000	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Total General District Requirements		54,179,296	9.4%	58.8%	14.1%	17.4%	0.0%	0.4%	100.0%
REQUIREMENTS BEFORE OFFSETS:		168,826,557	7.7%	65.7%	11.7%	14.4%	0.0%	0.6%	100.0%
Revenue Offsets									
Taxes - MWD Portion of SWP GO Debt Service		-	7.7%	65.7%	11.7%	14.4%	0.0%	0.6%	100.0%
Taxes - MWD GO Debt Service		-	7.7%	65.7%	11.7%	14.4%	0.0%	0.6%	100.0%
Interest on Investments		1,630,444	7.7%	65.7%	11.7%	14.4%	0.0%	0.6%	100.0%
Hydro-Power Revenue		-	7.7%	65.7%	11.7%	14.4%	0.0%	0.6%	100.0%
CRA Power Revenue		-	7.7%	65.7%	11.7%	14.4%	0.0%	0.6%	100.0%
Wadsworth Pumping Plant (DVL) Power Revenue (cost in dept)		-	7.7%	65.7%	11.7%	14.4%	0.0%	0.6%	100.0%
Misc. allocated to A&G (Lease, Late Fees, etc.)		2,000,000	7.7%	65.7%	11.7%	14.4%	0.0%	0.6%	100.0%
Misc. allocated to supply (PVID Lease, CVWD Revenues)		-	7.7%	65.7%	11.7%	14.4%	0.0%	0.6%	100.0%
Taxes - additional from fixed tax rate		-	7.7%	65.7%	11.7%	14.4%	0.0%	0.6%	100.0%
Revenue Reserve used for Revenue Bonds - I&P		-	7.7%	65.7%	11.7%	14.4%	0.0%	0.6%	100.0%
Annexation		-	7.7%	65.7%	11.7%	14.4%	0.0%	0.6%	100.0%
Total Revenue Offsets		3,630,444	7.7%	65.7%	11.7%	14.4%	0.0%	0.6%	100.0%
NET REVENUE REQUIREMENTS:	-	165,196,113	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

Allocation of Revenue Requirements: Administrative & General
Fiscal Year Ending 2019

		Functionalization	Allocation Percentages						Total
			Fixed			Variable Commodity	Other	Hydroelectric	
			Demand	Commodity	Standby				
Departmental O&M									
Group	***Item***								
Office of General Manager		-	-	1,462,980	-	-	-	21,934	1,484,914
Office of General Manager	Board of Directors	-	-	-	-	-	-	-	-
Office of General Manager	Bay Delta Initiatives	-	-	2,203,105	-	-	-	-	2,203,105
External Affairs	Legislative Services	-	-	-	-	-	-	-	-
External Affairs	Media Communications Services	-	-	-	-	-	-	-	-
External Affairs	Manager, External Affairs/Special Projects	-	-	-	-	-	-	-	-
External Affairs	Conservation & Community Services	-	-	705,628	-	-	-	-	705,628
Human Resources		-	-	3,180,625	-	-	-	47,687	3,228,312
Water Systems Operations	Office of the Manager	-	-	1,166,931	-	-	-	24,831	1,191,762
Water Systems Operations	Office of the Manager, Conveyance & Distribution S	-	-	278,828	-	-	-	6,771	285,599
Water Systems Operations	Office of the Manager, Treatment Section	-	-	361,407	-	-	-	-	361,407
Water Systems Operations	Office of the Manager, Operations Support Service	-	-	829,122	-	-	-	17,643	846,765
Water Systems Operations	Operations Support Services	-	-	2,632,201	-	-	-	53,994	2,686,195
Water Systems Operations	Desert Region / C&D CRA	-	-	9,761,566	-	-	-	-	9,761,566
Water Systems Operations	System Operations Unit	-	-	3,098,253	-	-	-	-	3,098,253
Water Systems Operations	Power Operations and Planning	-	-	1,320,295	-	-	-	16,036	1,336,331
Water Systems Operations	Operations Planning & Programs Unit	-	-	1,189,285	-	-	-	-	1,189,285
Water Systems Operations	Treatment Jensen	-	-	4,289,706	-	-	-	-	4,289,706
Water Systems Operations	Treatment Diemer	-	-	4,535,227	-	-	-	-	4,535,227
Water Systems Operations	Treatment Mills	-	-	3,785,116	-	-	-	-	3,785,116
Water Systems Operations	Treatment Skinner	-	-	4,047,741	-	-	-	-	4,047,741
Water Systems Operations	Treatment Weymouth	-	-	4,593,158	-	-	-	-	4,593,158
Water Systems Operations	Water Quality Section	-	-	8,102,799	-	-	-	-	8,102,799
Water Systems Operations	C&D, Eastern Unit	-	-	5,246,669	-	-	-	213,146	5,459,815
Water Systems Operations	C&D, Western Unit	-	-	4,597,245	-	-	-	262,978	4,860,223
Water Systems Operations	OSS, Manufacturing Services Unit	-	-	2,569,571	-	-	-	52,547	2,622,119
Water Systems Operations	Environmental Health & Safety Section	-	-	5,289,633	-	-	-	42,701	5,332,334
Water Systems Operations	OSS, Fleet Services Unit	-	-	2,553,204	-	-	-	-	2,553,204
Water Systems Operations	OSS, Power Support Unit	-	-	2,184,472	-	-	-	860,365	3,044,837
Water Systems Operations	Office of the Manager, Operations & Planning Secti	-	-	150,691	-	-	-	3,207	153,898
Water Systems Operations	Security Team & Security Management	-	-	860,575	-	-	-	8,576	869,150
Office of the Chief Financial O		-	-	-	-	-	-	-	-
Business Technology	Office of Manager	-	-	-	-	-	-	-	-
Engineering Services		-	-	13,767,458	-	-	-	137,193	13,904,651
Business Technology	Administrative Services	-	-	-	-	-	-	-	-
Business Technology	Information Technology	-	-	9,078,285	-	-	-	136,109	9,214,394
Water Resources Managemen	Resource Planning & Development	-	-	1,677,663	-	-	-	-	1,677,663
Water Resources Managemen	Resource Implementation	-	-	4,101,586	-	-	-	-	4,101,586
Water Resources Managemen	Office of the Group Manager	-	-	1,299,431	-	-	-	-	1,299,431
Ethics Office		-	-	-	-	-	-	-	-
Real Property		-	-	1,821,086	-	-	-	-	1,821,086
General Counsel		-	-	-	-	-	-	-	-
General Auditor		-	-	-	-	-	-	-	-
Total Departmental O&M	-	-	-	112,741,543	-	-	-	1,905,718	114,647,261
		-							-
GENERAL DISTRICT REQUIREMENTS		-	-	-	-	-	-	-	-
		-							-
State Water Project		-	-	-	-	-	-	-	-
Supply - O&M		-	-	4,120,627	-	-	-	-	4,120,627
Supply - Capital		-	-	1,713,825	-	-	-	-	1,713,825
Power - O&M & Off-Aq Capital		-	-	-	-	7,350,246	-	-	7,350,246
Power - Capital (less Off-Aq)		-	-	-	-	-	-	-	-
Transmission - Capital - Commodity, Demand, & Standby		-	926,480	2,259,708	1,256,869	-	-	-	4,443,057
Transmission - O&M - Commodity only		-	-	7,883,960	-	-	-	-	7,883,960
CA WaterFix - Capital		-	33,512	81,737	45,463	-	-	-	160,713
Total State Water Project		-	959,993	16,059,857	1,302,332	7,350,246	-	-	25,672,427
		-							-
Colorado River Aqueduct Power Costs		-	-	-	-	2,061,100	-	-	2,061,100
		-							-
Supply Programs		-	-	2,750,346	-	-	-	-	2,750,346
									-
Demand Management Programs		-	-	-	-	-	-	-	-
Local Resources Program		-	-	1,983,025	-	-	-	-	1,983,025
Future Supply Actions		-	-	88,135	-	-	-	-	88,135
Conservation Credits Program		-	-	1,933,568	-	-	-	-	1,933,568
Total Demand Management Programs		-	-	4,004,728	-	-	-	-	4,004,728
Capital Financing Program		-	-	-	-	-	-	-	-
Revenue Bond Debt Service net of BABs Interest Subsidy Payment		-	2,780,658	6,040,914	4,374,402	-	-	131,498	13,327,472
G.O. Bond Debt Service		-	210,768	250,237	184,656	-	-	-	645,661
Debt Administration & State Revolving Funds		-	58,037	126,085	91,301	-	-	2,745	278,168
Bond Defeasance		-	-	-	-	-	-	-	-
PAYGO		-	1,072,576	2,330,147	1,687,327	-	-	50,722	5,140,772
Total Capital Financing Program		-	4,122,039	8,747,383	6,337,686	-	-	184,965	19,392,073
Other Operating Costs		-	-	-	-	-	-	-	-
Operating Equipment		-	-	287,349	6,310	-	-	4,964	298,622
OPEB\PERS Pre-Funding		-	-	-	-	-	-	-	-
Total Other Operating Costs		-	-	287,349	6,310	-	-	4,964	298,622
Increase/(Decrease) in Required Reserves		-	-	-	-	-	-	-	-
Total General District Requirements		-	5,082,032	31,849,662	7,646,327	9,411,346	-	189,929	54,179,296
REQUIREMENTS BEFORE OFFSETS:		168,826,557	5,082,032	144,591,205	7,646,327	9,411,346	-	2,095,647	168,826,557
Revenue Offsets									
Taxes - MWD Portion of SWP GO Debt Service		-	-	-	-	-	-	-	-
Taxes - MWD GO Debt Service		-	-	-	-	-	-	-	-
Interest on Investments		1,630,444	126,358	1,070,535	190,116	234,001	-	9,432	1,630,444
Hydro-Power Revenue		-	-	-	-	-	-	-	-
CRA Power Revenue		-	-	-	-	-	-	-	-
Wadsworth Pumping Plant (DVL) Power Revenue (cost in dept)		-	-	-	-	-	-	-	-
Misc. allocated to A&G (Lease, Late Fees, etc.)		2,000,000	154,999	1,313,183	233,208	287,040	-	11,570	2,000,000
Misc. allocated to supply (PVID Lease, CVWD Revenues)		-	-	-	-	-	-	-	-
Taxes - additional from fixed tax rate		-	-	-	-	-	-	-	-
Revenue Reserve used for Revenue Bonds - I&P		-	-	-	-	-	-	-	-
Annexation		-	-	-	-	-	-	-	-
Total Revenue Offsets		3,630,444	281,357	2,383,718	423,325	521,042	-	21,002	3,630,444
NET REVENUE REQUIREMENTS:		165,196,113	4,800,675	142,207,487	7,223,003	8,890,304	-	2,074,644	165,196,113

Detailed Summary of Cost Allocations (by budget line item, Includes Administrative and General Costs)
Fiscal Year Ending 2019

		Total Costs to Be Allocated	A&G Cost Redistribution	Adjusted Costs	Allocation Categories						Total
					Fixed			Variable Commodity	Other	Hydroelectric	
					Demand	Commodity	Standby				
Departmental O&M											
Group	***Item***										
Office of General Manager		1,169,084	3,929,070	5,098,154	-	5,022,847	-	-	-	75,307	5,098,154
Office of General Manager	Board of Directors	1,576,653	(1,576,653)	-	-	-	-	-	-	-	-
Office of General Manager	Bay Delta Initiatives	-	13,134,230	13,134,230	-	13,134,230	-	-	-	-	13,134,230
External Affairs	Legislative Services	5,850,263	(5,850,263)	-	-	-	-	-	-	-	-
External Affairs	Media Communications Services	6,282,911	(6,282,911)	-	-	-	-	-	-	-	-
External Affairs	Manager, External Affairs/Special Projects	8,504,632	(8,504,632)	-	-	-	-	-	-	-	-
External Affairs	Conservation & Community Services	2,878,101	705,628	3,583,730	-	3,583,730	-	-	-	-	3,583,730
Human Resources		2,884,902	9,259,658	12,144,560	-	11,965,168	-	-	-	179,392	12,144,560
Water Systems Operations	Office of the Manager	24,800	5,597,662	5,622,462	-	5,505,316	-	-	-	117,147	5,622,462
Water Systems Operations	Office of the Manager, Conveyance & Distribution Se	512	961,427	961,939	-	939,132	-	-	-	22,807	961,939
Water Systems Operations	Office of the Manager, Treatment Section	-	1,485,851	1,485,851	-	1,485,851	-	-	-	-	1,485,851
Water Systems Operations	Office of the Manager, Operations Support Services	11,866	2,954,943	2,966,810	-	2,904,995	-	-	-	61,815	2,966,810
Water Systems Operations	Operations Support Services	32,843	9,189,059	9,221,902	-	9,036,537	-	-	-	185,365	9,221,902
Water Systems Operations	Desert Region / C&D CRA	-	35,800,799	35,800,799	-	35,800,799	-	-	-	-	35,800,799
Water Systems Operations	System Operations Unit	-	11,137,768	11,137,768	-	11,137,768	-	-	-	-	11,137,768
Water Systems Operations	Power Operations and Planning	-	4,533,250	4,533,250	-	4,478,851	-	-	-	54,399	4,533,250
Water Systems Operations	Operations Planning & Programs Unit	-	3,833,808	3,833,808	-	3,833,808	-	-	-	-	3,833,808
Water Systems Operations	Treatment Jensen	-	19,244,917	19,244,917	-	14,457,952	-	4,786,965	-	-	19,244,917
Water Systems Operations	Treatment Diemer	-	22,916,682	22,916,682	-	15,596,555	-	7,320,128	-	-	22,916,682
Water Systems Operations	Treatment Mills	-	15,203,556	15,203,556	-	12,395,727	-	2,807,828	-	-	15,203,556
Water Systems Operations	Treatment Skinner	-	17,904,111	17,904,111	-	13,421,917	-	4,482,194	-	-	17,904,111
Water Systems Operations	Treatment Weymouth	-	21,896,994	21,896,994	-	15,456,661	-	6,440,333	-	-	21,896,994
Water Systems Operations	Water Quality Section	-	30,040,985	30,040,985	-	30,040,985	-	-	-	-	30,040,985
Water Systems Operations	C&D, Eastern Unit	18,107	23,530,558	23,548,665	-	22,629,348	-	-	-	919,317	23,548,665
Water Systems Operations	C&D, Western Unit	29,437	19,519,804	19,549,241	-	18,491,467	-	-	-	1,057,775	19,549,241
Water Systems Operations	OSS, Manufacturing Services Unit	12,899	9,045,707	9,058,606	-	8,877,070	-	-	-	181,535	9,058,606
Water Systems Operations	Environmental Health & Safety Section	14,570	19,873,249	19,887,819	-	19,728,557	-	-	-	159,262	19,887,819
Water Systems Operations	OSS, Fleet Services Unit	1,124,274	10,433,252	11,557,527	-	11,557,527	-	-	-	-	11,557,527
Water Systems Operations	OSS, Power Support Unit	15,055	10,542,297	10,557,352	-	7,574,213	-	-	-	2,983,140	10,557,352
Water Systems Operations	Office of the Manager, Operations & Planning Sectio	1,884	488,532	490,415	-	480,197	-	-	-	10,218	490,415
Water Systems Operations	Security Team & Security Management	494,046	10,326,003	10,820,048	-	10,713,290	-	-	-	106,758	10,820,048
Office of the Chief Financial Officer		23,484,293	(23,484,293)	-	-	-	-	-	-	-	-
Business Technology	Office of Manager	-	-	-	-	-	-	-	-	-	-
Engineering Services		1,744,150	47,290,556	49,034,706	-	48,550,896	-	-	-	483,810	49,034,706
Business Technology	Administrative Services	24,496,576	(24,496,576)	-	-	-	-	-	-	-	-
Business Technology	Information Technology	8,884,199	27,788,226	36,672,425	-	36,130,722	-	-	-	541,703	36,672,425
Water Resources Management	Resource Planning & Development	16,234	5,703,624	5,719,858	-	5,719,858	-	-	-	-	5,719,858
Water Resources Management	Resource Implementation	15,944	20,013,421	20,029,364	-	20,029,364	-	-	-	-	20,029,364
Water Resources Management	Office of the Group Manager	4,655	4,184,063	4,188,718	-	4,188,718	-	-	-	-	4,188,718
Ethics Office		1,334,788	(1,334,788)	-	-	-	-	-	-	-	-
Real Property		6,689,810	4,445,797	11,135,607	-	11,135,607	-	-	-	-	11,135,607
General Counsel		13,587,754	(13,587,754)	-	-	-	-	-	-	-	-
General Auditor		3,462,019	(3,462,019)	-	-	-	-	-	-	-	-
Total Departmental O&M	-	**114,647,261**	**354,335,598**	**468,982,859**	**-**	**436,005,662**	**-**	**25,837,447**	**-**	**7,139,749**	**468,982,859**
GENERAL DISTRICT REQUIREMENTS											
State Water Project											
Supply - O&M		91,637,319	4,120,627	95,757,947	-	95,757,947	-	-	-	-	95,757,947
Supply - Capital		38,113,213	1,713,825	39,827,038	-	39,827,038	-	-	-	-	39,827,038
Power - O&M & Off-Aq Capital		163,459,789	7,350,246	170,810,035	-	-	-	170,810,035	-	-	170,810,035
Power - Capital (less Off-Aq)		(4,219,489)	-	(4,219,489)	-	-	-	(4,219,489)	-	-	(4,219,489)
Transmission - Capital - Commodity, Demand, & Standby		98,807,736	4,443,057	103,250,793	21,530,181	52,512,637	29,207,974	-	-	-	103,250,793
Transmission - O&M - Commodity only		175,328,875	7,883,960	183,212,835	-	183,212,835	-	-	-	-	183,212,835
CA WaterFix - Capital		3,574,035	160,713	3,734,748	778,781	1,899,467	1,056,500	-	-	-	3,734,748
Total State Water Project		**566,701,479**	**25,672,427**	**592,373,906**	**22,308,963**	**373,209,923**	**30,264,474**	**166,590,547**	**-**	**-**	**592,373,906**
Colorado River Aqueduct Power Costs		**45,836,144**	**2,061,100**	**47,897,243**	**-**	**-**	**-**	**47,897,243**	**-**	**-**	**47,897,243**
Supply Programs		**61,164,062**	**2,750,346**	**63,914,408**	**-**	**63,914,408**	**-**	**-**	**-**	**-**	**63,914,408**
Demand Management Programs											
Local Resources Program		44,099,873	1,983,025	46,082,898	-	46,082,898	-	-	-	-	46,082,898
Future Supply Actions		1,960,000	88,135	2,048,135	-	2,048,135	-	-	-	-	2,048,135
Conservation Credits Program		43,000,000	1,933,568	44,933,568	-	44,933,568	-	-	-	-	44,933,568
Total Demand Management Programs		**89,059,873**	**4,004,728**	**93,064,601**	**-**	**93,064,601**	**-**	**-**	**-**	**-**	**93,064,601**
Capital Financing Program											
Revenue Bond Debt Service net of BABs Interest Subsidy Payment		311,100,475	(1,387,580)	309,712,895	64,618,828	140,382,892	101,655,332	-	-	3,055,843	309,712,895
G.O. Bond Debt Service		14,358,651	645,661	15,004,312	4,897,969	5,815,187	4,291,156	-	-	-	15,004,312
Debt Administration & State Revolving Funds		6,493,215	(28,961)	6,464,253	1,348,709	2,930,038	2,121,726	-	-	63,781	6,464,253
Bond Defeasance		-	-	-	-	-	-	-	-	-	-
PAYGO		120,000,000	(535,228)	119,464,772	24,925,257	54,149,538	39,211,254	-	-	1,178,722	119,464,772
Total Capital Financing Program		**451,952,341**	**(1,306,109)**	**450,646,233**	**95,790,763**	**203,277,656**	**147,279,468**	**-**	**-**	**4,298,346**	**450,646,233**
		-	-	-	-	-	-	-	-	-	-
Other Operating Costs											
Operating Equipment		8,522,076	(1,582,492)	6,939,584	-	6,677,602	146,629	-	-	115,353	6,939,584
OPEB/PERS Pre-Funding		-	-	-	-	-	-	-	-	-	-
Total Other Operating Costs		**8,522,076**	**(1,582,492)**	**6,939,584**	**-**	**6,677,602**	**146,629**	**-**	**-**	**115,353**	**6,939,584**
Increase/(Decrease) in Required Reserves		**31,600,000**	**(31,600,000)**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
Total General District Requirements		**1,254,835,975**	**0**	**1,254,835,975**	**118,099,726**	**740,144,189**	**177,690,571**	**214,487,790**	**-**	**4,413,699**	**1,254,835,975**
REQUIREMENTS BEFORE OFFSETS:		**1,369,483,236**	**354,335,598**	**1,723,818,834**	**118,099,726**	**1,176,149,852**	**177,690,571**	**240,325,237**	**-**	**11,553,448**	**1,723,818,834**
		-	-	-	-	-	-	-	-	-	-
Revenue Offsets		-	-	-	-	-	-	-	-	-	-
Taxes - MWD Portion of SWP GO Debt Service		13,081,325	(0)	13,081,325	2,727,759	6,653,071	3,700,495	-	-	-	13,081,325
Taxes - MWD GO Debt Service		14,358,651	-	14,358,651	3,346,356	4,334,817	6,677,478	-	-	-	14,358,651
Interest on Investments		16,647,795	(0)	16,647,795	2,401,088	9,303,946	2,518,068	2,323,921	-	100,771	16,647,795
Hydro-Power Revenue		14,457,569	-	14,457,569	-	-	-	-	-	14,457,569	14,457,569
CRA Power Revenue		5,971,835	-	5,971,835	-	-	-	5,971,835	-	-	5,971,835
Wadsworth Pumping Plant (DVL) Power Revenue (cost in dept)		489,163	-	489,163	-	-	-	489,163	-	-	489,163
Misc. allocated to A&G (Lease, Late Fees, etc.)		2,000,000	-	2,000,000	154,999	1,313,183	233,208	287,040	-	11,570	2,000,000
Misc. allocated to supply (PVID Lease, CVWD Revenues)		9,075,650	-	9,075,650	-	9,075,650	-	-	-	-	9,075,650
Taxes - additional from fixed tax rate		89,205,488	-	89,205,488	13,555,255	57,261,092	18,389,141	-	-	-	89,205,488
Revenue Reserve used for Revenue Bonds - I&P		-	-	-	-	-	-	-	-	-	-
Annexation		-	-	-	-	-	-	-	-	-	-
Total Revenue Offsets		**165,287,476**	**(0)**	**165,287,476**	**22,185,457**	**87,941,759**	**31,518,390**	**9,071,960**	**-**	**14,569,911**	**165,287,476**
	-										
NET REVENUE REQUIREMENTS:		**$ 1,558,531,358**	**$ 354,335,598**	**$ 1,558,531,358**	**$ 95,914,269**	**$ 1,088,208,092**	**$ 146,172,181**	**$ 231,253,278**	**$ -**	**$ (3,016,463)**	**$ 1,558,531,358**

Costs Used for Calculating A&G Allocation Percentages
Adjusted to exclude negative numbers
Fiscal Year Ending 2019

		Total to Be Allocated Excluding A&G and Negative Values	Line Item Costs by Allocation Category (w/o A&G)						Total Allocations
			Fixed			Variable		Hydro-	
			Demand	Commodity	Standby	Commodity	Other	Electric	
Departmental O&M									
Group	***Item***								
Office of General Manager		3,282,407	-	3,233,921	-	-	-	48,486	3,282,407
Office of General Manager	Board of Directors	-	-	-	-	-	-	-	-
Office of General Manager	Bay Delta Initiatives	4,869,969	-	4,869,969	-	-	-	-	4,869,969
External Affairs	Legislative Services	-	-	-	-	-	-	-	-
External Affairs	Media Communications Services	-	-	-	-	-	-	-	-
External Affairs	Manager, External Affairs/Special Pro	-	-	-	-	-	-	-	-
External Affairs	Conservation & Community Services	1,559,794	-	1,559,794	-	-	-	-	1,559,794
Human Resources		7,136,192	-	7,030,781	-	-	-	105,412	7,136,192
Water Systems Operations	Office of the Manager	2,634,394	-	2,579,505	-	-	-	54,889	2,634,394
Water Systems Operations	Office of the Manager, Conveyance &	631,318	-	616,350	-	-	-	14,968	631,318
Water Systems Operations	Office of the Manager, Treatment Se	798,892	-	798,892	-	-	-	-	798,892
Water Systems Operations	Office of the Manager, Operations Su	1,871,776	-	1,832,777	-	-	-	38,999	1,871,776
Water Systems Operations	Operations Support Services	5,937,842	-	5,818,488	-	-	-	119,354	5,937,842
Water Systems Operations	Desert Region / C&D CRA	21,577,969	-	21,577,969	-	-	-	-	21,577,969
Water Systems Operations	System Operations Unit	6,848,697	-	6,848,697	-	-	-	-	6,848,697
Water Systems Operations	Power Operations and Planning	2,953,963	-	2,918,515	-	-	-	35,448	2,953,963
Water Systems Operations	Operations Planning & Programs Uni	2,628,917	-	2,628,917	-	-	-	-	2,628,917
Water Systems Operations	Treatment Jensen	9,482,407	-	9,482,407	-	-	-	-	9,482,407
Water Systems Operations	Treatment Diemer	10,025,133	-	10,025,133	-	-	-	-	10,025,133
Water Systems Operations	Treatment Mills	8,367,009	-	8,367,009	-	-	-	-	8,367,009
Water Systems Operations	Treatment Skinner	8,947,543	-	8,947,543	-	-	-	-	8,947,543
Water Systems Operations	Treatment Weymouth	10,153,188	-	10,153,188	-	-	-	-	10,153,188
Water Systems Operations	Water Quality Section	17,911,261	-	17,911,261	-	-	-	-	17,911,261
Water Systems Operations	C&D, Eastern Unit	12,068,936	-	11,597,776	-	-	-	471,160	12,068,936
Water Systems Operations	C&D, Western Unit	10,743,537	-	10,162,223	-	-	-	581,314	10,743,537
Water Systems Operations	OSS, Manufacturing Services Unit	5,796,200	-	5,680,044	-	-	-	116,156	5,796,200
Water Systems Operations	Environmental Health & Safety Sectio	11,787,140	-	11,692,749	-	-	-	94,392	11,787,140
Water Systems Operations	OSS, Fleet Services Unit	5,643,864	-	5,643,864	-	-	-	-	5,643,864
Water Systems Operations	OSS, Power Support Unit	6,730,620	-	4,828,781	-	-	-	1,901,838	6,730,620
Water Systems Operations	Office of the Manager, Operations &	340,192	-	333,104	-	-	-	7,088	340,192
Water Systems Operations	Security Team & Security Manageme	1,921,259	-	1,902,302	-	-	-	18,956	1,921,259
Office of the Chief Financial C		-	-	-	-	-	-	-	-
Business Technology	Office of Manager	-	-	-	-	-	-	-	-
Engineering Services		30,736,270	-	30,433,005	-	-	-	303,265	30,736,270
Business Technology	Administrative Services	-	-	-	-	-	-	-	-
Business Technology	Information Technology	20,368,444	-	20,067,574	-	-	-	300,870	20,368,444
Water Resources Manageme	Resource Planning & Development	3,708,478	-	3,708,478	-	-	-	-	3,708,478
Water Resources Manageme	Resource Implementation	9,066,566	-	9,066,566	-	-	-	-	9,066,566
Water Resources Manageme	Office of the Group Manager	2,872,397	-	2,872,397	-	-	-	-	2,872,397
Ethics Office		-	-	-	-	-	-	-	-
Real Property		4,025,516	-	4,025,516	-	-	-	-	4,025,516
General Counsel		-	-	-	-	-	-	-	-
General Auditor		-	-	-	-	-	-	-	-
Total Departmental O&M	-	**253,428,088**	**-**	**249,215,493**	**-**	**-**	**-**	**4,212,594**	**253,428,088**
GENERAL DISTRICT REQUIREMENTS									
State Water Project									
Supply - O&M		91,637,319	-	91,637,319	-	-	-	-	91,637,319
Supply - Capital		38,113,213	-	38,113,213	-	-	-	-	38,113,213
Power - O&M & Off-Aq Capital		163,459,789	-	-	-	163,459,789	-	-	163,459,789
Power - Capital (less Off-Aq)		-	-	-	-	-	-	-	-
Transmission - Capital - Commodity, Demand, & Standby		98,807,736	20,603,701	50,252,929	27,951,106	-	-	-	98,807,736
Transmission - O&M - Commodity only		175,328,875	-	175,328,875	-	-	-	-	175,328,875
CA WaterFix - Capital		3,574,035	745,269	1,817,730	1,011,037	-	-	-	3,574,035
Total State Water Project		**570,920,967**	**21,348,970**	**357,150,066**	**28,962,142**	**163,459,789**	**-**	**-**	**570,920,967**
Colorado River Aqueduct Power Costs		**45,836,144**	**-**	**-**	**-**	**45,836,144**	**-**	**-**	**45,836,144**
Supply Programs		**61,164,062**	**-**	**61,164,062**	**-**	**-**	**-**	**-**	**61,164,062**
Demand Management Programs									
Local Resources Program		44,099,873	-	44,099,873	-	-	-	-	44,099,873
Future Supply Actions		1,960,000	-	1,960,000	-	-	-	-	1,960,000
Conservation Credits Program		43,000,000	-	43,000,000	-	-	-	-	43,000,000
Total Demand Management Programs		**89,059,873**	**-**	**89,059,873**	**-**	**-**	**-**	**-**	**89,059,873**
Capital Financing Program									
Revenue Bond Debt Service net of BABs Interest Subsidy Payment		296,385,423	61,838,170	134,341,978	97,280,930	-	-	2,924,344	296,385,423
G.O. Bond Debt Service		14,358,651	4,687,201	5,564,950	4,106,500	-	-	-	14,358,651
Debt Administration & State Revolving Funds		6,186,086	1,290,671	2,803,954	2,030,424	-	-	61,036	6,186,086
Bond Defeasance		-	-	-	-	-	-	-	-
PAYGO		114,324,000	23,852,681	51,819,392	37,523,927	-	-	1,128,000	114,324,000
Total Capital Financing Program		**431,254,160**	**91,668,724**	**194,530,273**	**140,941,782**	**-**	**-**	**4,113,381**	**431,254,160**
Other Operating Costs									
Operating Equipment		6,640,962	-	6,390,253	140,320	-	-	110,389	6,640,962
OPEB\PERS Pre-Funding		-	-	-	-	-	-	-	-
Total Other Operating Costs		**6,640,962**	**-**	**6,390,253**	**140,320**	**-**	**-**	**110,389**	**6,640,962**
Increase/(Decrease) in Required Reserves		**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
Total General District Requirements		**1,204,876,168**	**113,017,694**	**708,294,528**	**170,044,244**	**209,295,933**	**-**	**4,223,770**	**1,204,876,168**
REQUIREMENTS BEFORE OFFSETS:		**1,458,304,256**	**113,017,694**	**957,510,021**	**170,044,244**	**209,295,933**	**-**	**8,436,364**	**1,458,304,256**
Revenue Offsets									
Taxes - MWD Portion of SWP GO Debt Service		13,081,325	2,727,759	6,653,071	3,700,495	-	-	-	13,081,325
Taxes - MWD GO Debt Service		14,358,651	3,346,356	4,334,817	6,677,478	-	-	-	14,358,651
Interest on Investments		15,017,351	2,274,730	8,233,411	2,327,952	2,089,920	-	91,339	15,017,351
Hydro-Power Revenue		14,457,569	-	-	-	-	-	14,457,569	14,457,569
CRA Power Revenue		5,971,835	-	-	-	5,971,835	-	-	5,971,835
Wadsworth Pumping Plant (DVL) Power Revenue (cost in dept)		489,163	-	-	-	489,163	-	-	489,163
Misc. allocated to A&G (Lease, Late Fees, etc.)		-	-	-	-	-	-	-	-
Misc. allocated to supply (PVID Lease, CVWD Revenues)		9,075,650	-	9,075,650	-	-	-	-	9,075,650
Taxes - additional from fixed tax rate		89,205,488	13,555,255	57,261,092	18,389,141	-	-	-	89,205,488
Revenue Reserve used for Revenue Bonds - I&P		-	-	-	-	-	-	-	-
Annexation		-	-	-	-	-	-	-	-
Total Revenue Offsets		**161,657,032**	**21,904,100**	**85,558,041**	**31,095,065**	**8,550,918**	**-**	**14,548,908**	**161,657,032**
NET REVENUE REQUIREMENTS:		**$ 1,296,647,223**	**$ 91,113,594**	**$ 871,951,980**	**$ 138,949,179**	**$ 200,745,015**	**$ -**	**$ (6,112,544)**	**$ 1,296,647,223**

A&G Cost Allocation Percentages
(Carried to COS Schedule E-a for A&G allocation)
Fiscal Year 2019

		A&G Line Item Allocators by Allocation Category						Total	
			Fixed		Variable	Demand			
		Demand	Commodity	Standby	Commodity	Management	Hydro-Electric		
Departmental O&M									
Group	***Item***								Error Check
Office of General Manager		0.00%	1.28%	0.00%	0.00%	0.00%	0.02%	1.30%	-
Office of General Manager	Board of Directors	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	-
Office of General Manager	Bay Delta Initiatives	0.00%	1.92%	0.00%	0.00%	0.00%	0.00%	1.92%	-
External Affairs	Legislative Services	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	-
External Affairs	Media Communications Services	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	-
External Affairs	Manager, External Affairs/Special Projects	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	-
External Affairs	Conservation & Community Services	0.00%	0.62%	0.00%	0.00%	0.00%	0.00%	0.62%	-
Human Resources		0.00%	2.77%	0.00%	0.00%	0.00%	0.04%	2.82%	-
Water Systems Operations	Office of the Manager	0.00%	1.02%	0.00%	0.00%	0.00%	0.02%	1.04%	-
Water Systems Operations	Office of the Manager, Conveyance & Dist	0.00%	0.24%	0.00%	0.00%	0.00%	0.01%	0.25%	-
Water Systems Operations	Office of the Manager, Treatment Section	0.00%	0.32%	0.00%	0.00%	0.00%	0.00%	0.32%	-
Water Systems Operations	Office of the Manager, Operations Support	0.00%	0.72%	0.00%	0.00%	0.00%	0.02%	0.74%	-
Water Systems Operations	Operations Support Services	0.00%	2.30%	0.00%	0.00%	0.00%	0.05%	2.34%	-
Water Systems Operations	Desert Region / C&D CRA	0.00%	8.51%	0.00%	0.00%	0.00%	0.00%	8.51%	-
Water Systems Operations	System Operations Unit	0.00%	2.70%	0.00%	0.00%	0.00%	0.00%	2.70%	-
Water Systems Operations	Power Operations and Planning	0.00%	1.15%	0.00%	0.00%	0.00%	0.01%	1.17%	-
Water Systems Operations	Operations Planning & Programs Unit	0.00%	1.04%	0.00%	0.00%	0.00%	0.00%	1.04%	-
Water Systems Operations	Treatment Jensen	0.00%	3.74%	0.00%	0.00%	0.00%	0.00%	3.74%	-
Water Systems Operations	Treatment Diemer	0.00%	3.96%	0.00%	0.00%	0.00%	0.00%	3.96%	-
Water Systems Operations	Treatment Mills	0.00%	3.30%	0.00%	0.00%	0.00%	0.00%	3.30%	-
Water Systems Operations	Treatment Skinner	0.00%	3.53%	0.00%	0.00%	0.00%	0.00%	3.53%	-
Water Systems Operations	Treatment Weymouth	0.00%	4.01%	0.00%	0.00%	0.00%	0.00%	4.01%	-
Water Systems Operations	Water Quality Section	0.00%	7.07%	0.00%	0.00%	0.00%	0.00%	7.07%	-
Water Systems Operations	C&D, Eastern Unit	0.00%	4.58%	0.00%	0.00%	0.00%	0.19%	4.76%	-
Water Systems Operations	C&D, Western Unit	0.00%	4.01%	0.00%	0.00%	0.00%	0.23%	4.24%	-
Water Systems Operations	OSS, Manufacturing Services Unit	0.00%	2.24%	0.00%	0.00%	0.00%	0.05%	2.29%	-
Water Systems Operations	Environmental Health & Safety Section	0.00%	4.61%	0.00%	0.00%	0.00%	0.04%	4.65%	-
Water Systems Operations	OSS, Fleet Services Unit	0.00%	2.23%	0.00%	0.00%	0.00%	0.00%	2.23%	-
Water Systems Operations	OSS, Power Support Unit	0.00%	1.91%	0.00%	0.00%	0.00%	0.75%	2.66%	-
Water Systems Operations	Office of the Manager, Operations & Planr	0.00%	0.13%	0.00%	0.00%	0.00%	0.00%	0.13%	-
Water Systems Operations	Security Team & Security Management	0.00%	0.75%	0.00%	0.00%	0.00%	0.01%	0.76%	-
Office of the Chief Financial Officer		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	-
Business Technology	Office of Manager	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	-
Engineering Services		0.00%	12.01%	0.00%	0.00%	0.00%	0.12%	12.13%	-
Business Technology	Administrative Services	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	-
Business Technology	Information Technology	0.00%	7.92%	0.00%	0.00%	0.00%	0.12%	8.04%	-
Water Resources Management	Resource Planning & Development	0.00%	1.46%	0.00%	0.00%	0.00%	0.00%	1.46%	-
Water Resources Management	Resource Implementation	0.00%	3.58%	0.00%	0.00%	0.00%	0.00%	3.58%	-
Water Resources Management	Office of the Group Manager	0.00%	1.13%	0.00%	0.00%	0.00%	0.00%	1.13%	-
Ethics Office		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	-
Real Property		0.00%	1.59%	0.00%	0.00%	0.00%	0.00%	1.59%	-
General Counsel		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	-
General Auditor		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	-
Total Departmental O&M	-	**0.00%**	**98.34%**	**0.00%**	**0.00%**	**0.00%**	**1.66%**	**100.00%**	**-**
									-
GENERAL DISTRICT REQUIREMENTS									-
									-
State Water Project									**-**
Supply - O&M		0.00%	7.61%	0.00%	0.00%	0.00%	0.00%	7.61%	-
Supply - Capital		0.00%	3.16%	0.00%	0.00%	0.00%	0.00%	3.16%	-
Power - O&M & Off-Aq Capital		0.00%	0.00%	0.00%	13.57%	0.00%	0.00%	13.57%	-
Power - Capital (less Off-Aq)		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	-
Transmission - Capital - Commodity, Demand, & Standby		1.71%	4.17%	2.32%	0.00%	0.00%	0.00%	8.20%	-
Transmission - O&M - Commodity only		0.00%	14.55%	0.00%	0.00%	0.00%	0.00%	14.55%	-
CA WaterFix - Capital		0.06%	0.15%	0.08%	0.00%	0.00%	0.00%	0.30%	-
Total State Water Project		**1.77%**	**29.64%**	**2.40%**	**13.57%**	**0.00%**	**0.00%**	**47.38%**	**-**
									-
Colorado River Aqueduct Power Costs		**0.00%**	**0.00%**	**0.00%**	**3.80%**	**0.00%**	**0.00%**	**3.80%**	**-**
									-
Supply Programs		**0.00%**	**5.08%**	**0.00%**	**0.00%**	**0.00%**	**0.00%**	**5.08%**	**-**
Demand Management Programs									**-**
Local Resources Program		0.00%	3.66%	0.00%	0.00%	0.00%	0.00%	3.66%	-
Future Supply Actions		0.00%	0.16%	0.00%	0.00%	0.00%	0.00%	0.16%	-
Conservation Credits Program		0.00%	3.57%	0.00%	0.00%	0.00%	0.00%	3.57%	-
Total Demand Management Programs		**0.00%**	**7.39%**	**0.00%**	**0.00%**	**0.00%**	**0.00%**	**7.39%**	**-**
Capital Financing Program									
Revenue Bond Debt Service net of BABs Interest Subsidy Payment		5.13%	11.15%	8.07%	0.00%	0.00%	0.24%	24.60%	-
G.O. Bond Debt Service		0.39%	0.46%	0.34%	0.00%	0.00%	0.00%	1.19%	-
Debt Administration & State Revolving Funds		0.11%	0.23%	0.17%	0.00%	0.00%	0.01%	0.51%	-
Bond Defeasance		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	-
PAYGO		1.98%	4.30%	3.11%	0.00%	0.00%	0.09%	9.49%	-
Total Capital Financing Program		**7.61%**	**16.15%**	**11.70%**	**0.00%**	**0.00%**	**0.34%**	**35.79%**	**-**
									-
									-
Other Operating Costs		**0.00%**	**0.00%**	**0.00%**	**0.00%**	**0.00%**	**0.00%**	**0.00%**	**-**
Operating Equipment		0.00%	0.53%	0.01%	0.00%	0.00%	0.01%	0.55%	-
OPEB\PERS Pre-Funding		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	-
Total Other Operating Costs		**0.00%**	**0.53%**	**0.01%**	**0.00%**	**0.00%**	**0.01%**	**0.55%**	**-**
									-
Increase/(Decrease) in Required Reserves		**0.00%**	**0.00%**	**0.00%**	**0.00%**	**0.00%**	**0.00%**	**0.00%**	**-**
									-
Total General District Requirements		**9.38%**	**58.79%**	**14.11%**	**17.37%**	**0.00%**	**0.35%**	**100.00%**	**-**
									-
REQUIREMENTS BEFORE OFFSETS:		**7.75%**	**65.66%**	**11.66%**	**14.35%**	**0.00%**	**0.58%**	**100.00%**	**-**

Functionalization of A&G Costs
Summary of Allocation Results before Inclusion of Administrative and General Costs
Fiscal Year Ending 2019

Functional Categories	Functional Costs Allocated for FY 2019	Allocation Categories (Costs Exclude Administrative and General)						Total Allocated Excluding A&G
		Fixed			Variable Commodity	Other	Hydro-Electric	
		Demand	Commodity	Standby				
Source of Supply								
CRA	$ 42,192,983.18	$ -	$ 42,192,983	$ -	$ -	$ -	$ -	$ 42,192,983
SWP	133,119,365	-	133,119,365	-	-	-	-	133,119,365
Other Supply	31,227,024	-	31,227,024	-	-	-	-	31,227,024
Subtotal: Source of Supply	**206,539,371**	-	206,539,371	-	-	-	-	**206,539,371**
Conveyance & Aqueduct								
CRA								
CRA Power	50,639,427	-	11,327,173	-	39,312,253	-	-	50,639,427
CRA All Other	57,527,761	3,186,213	50,019,113	4,322,436	-	-	-	57,527,761
SWP	-	-	-	-	-	-	-	-
SWP Power	157,702,436	-	-	-	157,702,436	-	-	157,702,436
SWP All Other	222,356,600	4,455,018	211,857,878	6,043,704	-	-	-	222,356,600
Other Conveyance & Aqueduct	75,570,791	13,413,948	42,959,658	19,197,185	-	-	-	75,570,791
Subtotal: Conveyance & Aqueduct	**563,797,015**	21,055,179	316,163,822	29,563,324	197,014,690	-	-	**563,797,015**
Storage								
Storage Costs Other Than Power								
Em 0	56,487,603	-	7,559,395	48,928,208	-	-	-	56,487,603
Dr 0	47,304,949	-	47,304,949	-	-	-	-	47,304,949
Re 0	18,448,534	5,059,460	9,156,867	4,232,207	-	-	-	18,448,534
Storage Power	(489,163)	-	-	-	(489,163)	-	-	(489,163)
Su 0	**121,751,922**	5,059,460	64,021,211	53,160,414	(489,163)	-	-	**121,751,922**
Water Quality								
CRA	-	-	-	-	-	-	-	-
SWP	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-
Su 0	-	-	-	-	-	-	-	-
Treatment								
Jensen	47,427,925	8,400,199	26,837,606	7,403,156	4,786,965	-	-	47,427,925
Weymouth	50,466,978	8,608,641	27,831,724	7,586,281	6,440,333	-	-	50,466,978
Diemer	56,635,445	10,228,010	30,072,944	9,014,364	7,320,128	-	-	56,635,445
Mills	26,187,768	2,801,524	18,112,627	2,465,789	2,807,828	-	-	26,187,768
Skinner	55,615,617	11,356,133	29,766,413	10,010,877	4,482,194	-	-	55,615,617
Subtotal: Treatment	**236,333,733**	41,394,506	132,621,313	36,480,466	25,837,447	-	-	**236,333,733**
Distribution	**169,781,476**	23,604,449	126,432,053	19,744,973	-	-	-	**169,781,476**
Demand Management	**100,222,835**	-	100,222,835	-	-	-	-	**100,222,835**
Hydro-Electric	**(5,091,107)**	-	-	-	-	-	(5,091,107)	**(5,091,107)**
Total Costs Allocated	**$ 1,393,335,245**	**$ 91,113,594**	**$ 946,000,605**	**$ 138,949,179**	**$ 222,362,974**	**$ -**	**$ (5,091,107)**	**$ 1,393,335,245**
A&G Costs to be Functionalized		$ 4,800,675	$ 142,207,487	$ 7,223,002.514	$ 8,890,304	$ -	$ 2,074,644	$ 165,196,113

Percentages Used for Functionalization of A&G Costs

Allocation Categories					
Fixed			Variable		
Demand	Commodity	Standby	Commodity	Other	Hydro-Electric
0.0%	4.5%	0.0%	0.0%	0.0%	0.0%
0.0%	14.1%	0.0%	0.0%	0.0%	0.0%
0.0%	3.3%	0.0%	0.0%	0.0%	0.0%
0.0%	21.8%	0.0%	0.0%	0.0%	0.0%
0.0%	1.2%	0.0%	17.7%	0.0%	0.0%
3.5%	5.3%	3.1%	0.0%	0.0%	0.0%
0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
0.0%	0.0%	0.0%	70.9%	0.0%	0.0%
4.9%	22.4%	4.3%	0.0%	0.0%	0.0%
14.7%	4.5%	13.8%	0.0%	0.0%	0.0%
23.1%	33.4%	21.3%	88.6%	0.0%	0.0%
0.0%	0.8%	35.2%	0.0%	0.0%	0.0%
0.0%	5.0%	0.0%	0.0%	0.0%	0.0%
5.6%	1.0%	3.0%	0.0%	0.0%	0.0%
0.0%	0.0%	0.0%	-0.2%	0.0%	0.0%
5.6%	6.8%	38.3%	-0.2%	0.0%	0.0%
0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
9.2%	2.8%	5.3%	2.2%	0.0%	0.0%
9.4%	2.9%	5.5%	2.9%	0.0%	0.0%
11.2%	3.2%	6.5%	3.3%	0.0%	0.0%
3.1%	1.9%	1.8%	1.3%	0.0%	0.0%
12.5%	3.1%	7.2%	2.0%	0.0%	0.0%
45.4%	14.0%	26.3%	11.6%	0.0%	0.0%
25.9%	13.4%	14.2%	0.0%	0.0%	0.0%
0.0%	10.6%	0.0%	0.0%	0.0%	0.0%
0.0%	0.0%	0.0%	0.0%	0.0%	100.0%
100.0%	**100.0%**	**100.0%**	**100.0%**	**0.0%**	**100.0%**

Administrative and General Costs Redistributed Among Functional Categories

Administrative and General Costs by Allocation Categories						Total A&G Costs Allocated	Functional Categories
Fixed			Variable				
Demand	Commodity	Standby	Commodity	Other	Hydro-Electric		
							Source of Supply
$ -	$ 6,342,658	$ -	$ -	$ -	$ -	$ 6,342,658	CRA
-	20,011,161	-	-	-	-	20,011,161	SWP
-	4,694,201	-	-	-	-	4,694,201	Other Supply
-	31,048,019	-	-	-	-	31,048,019	Subtotal: Source of Supply
							Conveyance & Aqueduct
							CRA
-	1,702,757	-	1,571,745	-	-	3,274,502	
167,878	7,519,120	224,693	-	-	-	7,911,692	
-	-	-	-	-	-	-	SWP
-	-	-	6,305,108	-	-	6,305,108	
234,730	31,847,523	314,170	-	-	-	32,396,424	
706,766	6,457,908	997,928	-	-	-	8,162,603	Other Conveyance & Aqueduct
1,109,374	47,527,308	1,536,792	7,876,853	-	-	58,050,328	Subtotal: Conveyance & Aqueduc
							Storage
							Storage Costs Other Than Power
-	1,136,366	2,543,438	-	-	-	3,679,803	
-	7,111,114	-	-	-	-	7,111,114	
266,577	1,376,505	220,003	-	-	-	1,863,086	
-	-	-	(19,557)	-	-	(19,557)	Storage Power
266,577	9,623,985	2,763,441	(19,557)	-	-	12,634,446	Subtotal: Storage
							Water Quality
-	-	-	-	-	-	-	CRA
-	-	-	-	-	-	-	SWP
-	-	-	-	-	-	-	Other
-	-	-	-	-	-	-	Subtotal: Water Quality
							Treatment
442,597	4,034,362	384,839	191,388	-	-	5,053,185	Jensen
453,580	4,183,802	394,358	257,491	-	-	5,289,231	Weymouth
538,903	4,520,714	468,594	292,666	-	-	5,820,877	Diemer
147,609	2,722,780	128,179	112,260	-	-	3,110,828	Mills
598,342	4,474,634	520,396	179,203	-	-	5,772,575	Skinner
2,181,031	19,936,291	1,896,366	1,033,008	-	-	25,046,696	Subtotal: Treatment
1,243,692	19,005,891	1,026,404	-	-	-	21,275,988	**Distribution**
-	15,065,992	-	-	-	-	15,065,992	**Demand Management**
-	-	-	-	-	2,074,644	2,074,644	**Hydro-Electric**
$ 4,800,675	**$ 142,207,487**	**$ 7,223,003**	**$ 8,890,304**	**$ -**	**$ 2,074,644**	**$ 165,196,113**	Total Costs Allocated

Summary of Functionalization Percentages
Fiscal Year Ending 2019

	Source of Supply	Conveyance & Aqueduct	Storage	Water Quality	Treatment	Distribution	Demand Management	Hydro-Electric	Administrative & General	Total Allocated
Departmental Operations & Maintenance										
Office of General Manager	2%	68%	1%	0%	7%	6%	1%	0%	16%	100%
Water Systems Operations	5%	18%	2%	0%	40%	32%	0%	2%	1%	100%
Water Resources Management	59%	0%	0%	0%	0%	7%	34%	0%	0%	100%
Engineering Services	4%	22%	24%	0%	27%	17%	0%	1%	5%	100%
Business Technology	4%	9%	2%	0%	15%	12%	2%	1%	55%	100%
Real Property	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Human Resources	7%	16%	4%	0%	25%	20%	3%	1%	24%	100%
Office of the Chief Financial Officer										
External Affairs										
General Counsel										
General Auditor										
Ethics Office	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%
Total Departmental O&M	7%	16%	4%	0%	25%	20%	3%	1%	24%	100%
General District Requirements										
State Water Project	23%	77%	0%	0%	0%	0%	0%	0%	0%	100%
Colorado River Aqueduct Power Costs	0%	100%	0%	0%	0%	0%	0%	0%	0%	100%
Supply Programs	100%	0%	0%	0%	0%	0%	0%	0%	0%	100%
Demand Management Programs	0%	0%	0%	0%	0%	0%	100%	0%	0%	100%
Capital Financing Program	4%	21%	24%	0%	27%	19%	0%	1%	5%	100%
Blank	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Other Operating Costs	8%	16%	4%	0%	25%	22%	2%	1%	22%	100%
Increase/(Decrease) in Required Reserves	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%
Total General District Requirements	17%	46%	9%	0%	10%	7%	7%	0%	4%	100%
Revenue Offsets	22%	55%	1%	0%	4%	7%	1%	9%	2%	100%
Net Revenue Requirements	**13%**	**36%**	**8%**	**0%**	**15%**	**11%**	**6%**	**0%**	**11%**	**100%**

Cost Allocation Summary (by budget line item)
Fiscal Year Ending 2019

	Allocation Categories						Total
	Fixed			Variable	Other	Hydro-Electric	Allocated
	Demand	Commodity	Standby	Commodity			
Departmental Operations & Maintenance							
Office of General Manager	$ -	$ 18,157,077	$ -	$ -	$ -	$ 75,307	$ 18,232,383
Water Systems Operations	-	276,544,522	-	25,837,447	-	5,859,537	308,241,506
Water Resources Management	-	29,937,941	-	-	-	-	29,937,941
Engineering Services	-	48,550,896	-	-	-	483,810	49,034,706
Business Technology	-	36,130,722	-	-	-	541,703	36,672,425
Real Property	-	11,135,607	-	-	-	-	11,135,607
Human Resources	-	11,965,168	-	-	-	179,392	12,144,560
Office of the Chief Financial Officer	-	-	-	-	-	-	-
External Affairs	-	3,583,730	-	-	-	-	3,583,730
General Counsel	-	-	-	-	-	-	-
General Auditor	-	-	-	-	-	-	-
Ethics Office	-	-	-	-	-	-	-
	-	-	-	-	-	-	-
Total Departmental O&M *(including Administrative and General)*	-	436,005,662	-	25,837,447	-	7,139,749	468,982,859
General District Requirements							
State Water Project	22,308,963	373,209,923	30,264,474	166,590,547	-	-	592,373,906
Colorado River Aqueduct Power Costs	-	-	-	47,897,243	-	-	47,897,243
Supply Programs	-	63,914,408	-	-	-	-	63,914,408
Demand Management Programs	-	93,064,601	-	-	-	-	93,064,601
Capital Financing Program	95,790,763	203,277,656	147,279,468	-	-	4,298,346	450,646,233
Blank	-	-	-	-	-	-	-
Other Operating Costs	-	6,677,602	146,629	-	-	115,353	6,939,584
Increase/(Decrease) in Required Reserves	-	-	-	-	-	-	-
Total General District Requirements *(including Administrative and General)*	118,099,726	740,144,189	177,690,571	214,487,790	-	4,413,699	1,254,835,975
Revenue Offsets	(22,185,457)	(87,941,759)	(31,518,390)	(9,071,960)	-	(14,569,911)	(165,287,476)
Net Revenue Requirements	**$ 95,914,269.00**	**$ 1,088,208,092.49**	**$ 146,172,181.09**	**$ 231,253,277.77**	**$ -**	**$ (3,016,462.72)**	**$ 1,558,531,357.63**

Revenue Requirement by sub-function and budget line item
Fiscal Year Ending 2019

Fiscal Year Ending 2019	Supply			Conveyance & Aqueduct					Storage				Treatment	Distribution	Demand Mgt.	Hydro	Total
	CRA	SWP	Other	CRA power	CRA other	SWP power	SWP other	Other C&A	Emergency	Drought	Regulatory	Power					
Dept. Operations & Maintenance	9,777,821	11,136,530	12,041,041	4,699,950	41,384,968	-	18,959,938	8,286,872	7,559,395	6,472,168	2,729,808	-	118,356,269	95,750,596	11,946,211	5,234,031	354,335,598
General District Requirements																	
State Water Project																	-
Capital		38,113,213				(4,219,489)	102,381,771										136,275,495
O&M		91,637,319				163,459,789	175,328,875										430,425,984
Colorado River Aqueduct Power				45,836,144													45,836,144
Supply Programs	32,640,956	26,923,566	1,599,541														61,164,062
Demand Management															89,059,873		89,059,873
Capital Financing Program			17,635,026	6,520,146	15,840,892	-	6,445,026	67,862,444	49,338,738	41,173,936	15,845,612	-	122,072,327	84,406,633	-	4,113,381	431,254,160
Other Operating Costs	185,660	206,509	255,933	107,077	862,894	-	258,141	158,418	140,320	120,148	53,018	-	2,125,881	1,862,483	194,092	110,389	6,640,962
Revenue Offsets	(411,453)	(34,897,772)	(304,516)	(6,523,890)	(560,993)	(1,537,865)	(81,017,152)	(736,943)	(550,849)	(461,303)	(179,904)	(489,163)	(6,220,744)	(12,238,236)	(977,342)	(14,548,908)	(161,657,032)
Admin. & General	6,342,658	20,011,161	4,694,201	3,274,502	7,911,692	6,305,108	32,396,424	8,162,603	3,679,803	7,111,114	1,863,086	(19,557)	25,046,696	21,275,988	15,065,992	2,074,644	165,196,113
Net Revenue Requirement	**48,535,641**	**153,130,525**	**35,921,224**	**53,913,928**	**65,439,453**	**164,007,545**	**254,753,023**	**83,733,393**	**60,167,406**	**54,416,063**	**20,311,620**	**(508,720)**	**261,380,429**	**191,057,463**	**115,288,827**	**(3,016,463)**	**1,558,531,358**

Totals may not foot due to rounding

Fiscal Year Ending 2019	Supply			Conveyance & Aqueduct					Storage				Treatment	Distribution	Demand Mgt.	Hydro	Total
	CRA	SWP	Other	CRA power	CRA other	SWP power	SWP other	Other C&A	Emergency	Drought	Regulatory	Power					
Fixed Demand																	
engineering factors					20.9%		20.9%	20.9%			31.9%		34.6%	31.9%			
SWP Capital							21,348,970										21,348,970
Capital Financing					3,303,193		1,343,937	14,150,891			5,059,460		42,204,375	26,950,805			93,012,661
A&G less Offsets					50,898		(18,003,159)	(30,176)			266,577		1,371,162	(2,102,664)			(18,447,362)
Total fixed demand					3,354,091		4,689,748	14,120,715			5,326,038		43,575,537	24,848,141			95,914,269
Fixed Commodity																	
engineering factors	100%	100%	100%	100.0%	50.9%		50.9%	50.9%		100.0%	41.4%		31.7%	41.4%			
Capital Financing			17,635,026	6,520,146	8,056,568		3,277,895	34,514,368		41,173,936	6,553,945		38,719,610	34,911,648			191,363,143
SWP Capital		38,113,213					52,070,659										90,183,871
SWP O&M		91,637,319					175,328,875										266,966,195
Dept. O&M	9,777,821	11,136,530	12,041,041	4,699,950	41,384,968		18,959,938	8,286,872	7,559,395	6,472,168	2,729,808		91,257,943	95,750,596	11,946,211		322,003,240
Supply Programs	32,640,956	26,923,566	1,599,541														61,164,062
Demand Management															89,059,873		89,059,873
Other Operating Costs	185,660	206,509	255,933	107,077	862,894		258,141	158,418	140,320	120,148	53,018		2,125,881	1,862,483	194,092		6,530,573
A&G less Offsets	5,931,205	(14,886,611)	4,389,684	1,702,757	7,233,803		(6,190,108)	6,457,908	996,046	6,649,811	1,196,601		20,454,171	12,913,217	14,088,650		60,937,135
Total fixed commodity	48,535,641	153,130,525	35,921,224	13,029,930	57,538,233		243,705,401	49,417,566	8,695,761	54,416,063	10,533,372		152,557,605	145,437,945	115,288,827		1,088,208,092
Fixed Standby																	
engineering factors					28.3%		28.3%	28.3%	100.0%		26.7%		33.7%	26.7%			
SWP Capital							28,962,142										28,962,142
Capital Financing					4,481,131		1,823,193	19,197,185	49,338,738		4,232,207		41,148,343	22,544,179			142,764,975
A&G less Offsets					65,998		(24,427,461)	997,928	2,132,908		220,003		(2,771,510)	(1,772,802)			(25,554,936)
Total fixed standby					4,547,129	-	6,357,874	20,195,113	51,471,645		4,452,210		38,376,833	20,771,377			146,172,181
Variable Commodity																	
SWP Power						159,240,301											159,240,301
CRA Power				45,836,144													45,836,144
Variable Treatment													27,098,326				27,098,326
A&G less Offsets				(4,952,145)		4,767,244						(508,720)	(227,871)				(921,493)
Total variable commodity				40,883,998		164,007,545						(508,720)	26,870,455				231,253,278
Hydroelectric																9,457,801	9,457,801
A&G less Offsets																(12,474,264)	(12,474,264)
Total hydroelectric																(3,016,463)	(3,016,463)
Total Costs	48,535,641	153,130,525	35,921,224	53,913,928	65,439,453	164,007,545	254,753,023	83,733,393	60,167,406	54,416,063	20,311,620	(508,720)	261,380,429	191,057,463	115,288,827	(3,016,463)	1,558,531,358

Totals may not foot due to rounding

Revenue Requirements
Fiscal Year Ending 2020

			1	2	3	4	5	6	
			Labor And Labor Additive	Outside Services	Utilities	Chemicals	Other O&M	O&M Capitalization (pro-rated)	Projected Total To Be functionalized
Departmental O&M									
Group	*Item*								
Office of General Manager			4,566,929	345,000	-	-	312,220	(230,146)	4,994,002
Office of General Manager	Board of Directors		1,138,491	55,000	-	-	506,900	(74,910)	1,625,482
Office of General Manager	Bay Delta Initiatives		5,181,886	4,526,100	-	-	837,793	(464,587)	10,081,192
External Affairs	Legislative Services		3,733,925	1,733,300	6,500	-	878,173	(279,829)	6,072,069
External Affairs	Media Communications Services		4,454,728	715,934	-	-	793,048	(262,727)	5,700,983
External Affairs	Manager, External Affairs/Special Projects		6,258,056	716,700	-	-	2,246,014	(406,215)	8,814,555
External Affairs	Conservation & Community Services		3,337,235	1,324,000	-	-	1,554,627	(273,836)	5,942,026
Human Resources			9,973,572	1,358,160	-	-	1,549,756	(567,485)	12,314,002
Water Systems Operations	Office of the Manager		2,787,353	330,000	1,500,000	-	313,156	(217,210)	4,713,298
Water Systems Operations	Office of the Manager, Conveyance & Distribution Section		657,881	-	-	-	76,100	(32,335)	701,646
Water Systems Operations	Office of the Manager, Treatment Section		863,946	150,000	-	-	232,125	(54,895)	1,191,176
Water Systems Operations	Office of the Manager, Operations Support Services		1,986,257	277,800	10,000	-	59,640	(102,809)	2,230,887
Water Systems Operations	Operations Support Services		6,341,434	119,500	44,800	-	737,915	(319,114)	6,924,535
Water Systems Operations	Desert Region / C&D CRA		22,763,286	490,100	161,100	-	4,584,462	(1,233,475)	26,765,473
Water Systems Operations	System Operations Unit		7,214,938	96,700	64,280	-	1,403,575	(386,775)	8,392,718
Water Systems Operations	Power Operations and Planning		3,116,224	65,000	-	-	337,585	(155,019)	3,363,790
Water Systems Operations	Operations Planning & Programs Unit		2,769,759	-	-	-	136,900	(128,051)	2,778,608
Water Systems Operations	Treatment Jensen		10,124,048	384,200	1,821,392	3,252,240	813,600	(721,792)	15,673,689
Water Systems Operations	Treatment Diemer		10,664,392	309,500	2,137,478	6,100,507	548,000	(878,580)	18,881,298
Water Systems Operations	Treatment Mills		8,939,905	188,050	706,672	1,937,026	797,520	(546,669)	12,022,504
Water Systems Operations	Treatment Skinner		9,520,902	137,470	1,474,877	3,072,242	661,488	(657,207)	14,209,771
Water Systems Operations	Treatment Weymouth		10,872,689	177,600	1,523,132	5,688,352	697,800	(832,485)	18,127,087
Water Systems Operations	Water Quality Section		19,060,966	1,404,705	345,750	-	3,758,530	(1,082,413)	23,487,538
Water Systems Operations	C&D, Eastern Unit		12,876,853	2,463,500	2,576,700	-	1,809,228	(869,028)	18,857,252
Water Systems Operations	C&D, Western Unit		11,398,535	1,557,300	939,310	-	2,131,850	(706,059)	15,320,937
Water Systems Operations	OSS, Manufacturing Services Unit		6,158,643	228,500	179,350	-	538,430	(313,003)	6,791,921
Water Systems Operations	Environmental Health & Safety Section		12,424,702	1,100,000	908,500	-	1,451,086	(699,772)	15,184,516
Water Systems Operations	OSS, Fleet Services Unit		6,728,338	533,540	52,500	-	3,685,819	(484,606)	10,515,590
Water Systems Operations	OSS, Power Support Unit		7,130,481	219,500	48,000	-	819,545	(362,018)	7,855,509
Water Systems Operations	Office of the Manager, Operations & Planning Section		358,892	-	-	-	11,826	(16,332)	354,386
Water Systems Operations	Security Team & Security Management		2,116,467	8,435,200	-	-	625,162	(492,388)	10,684,442
Office of the Chief Financial Officer		-	10,763,052	1,077,200	-	-	13,357,851	(1,110,086)	24,088,017
Business Technology	Office of Manager	-	-	-	-	-	-	-	-
Engineering Services		-	33,763,766	2,334,000	70,000	-	2,266,839	(1,693,211)	36,741,395
Business Technology	Administrative Services	-	15,787,013	8,280,813	1,441,349	-	2,718,500	(1,243,551)	26,984,124
Business Technology	Information Technology	-	29,409,155	3,354,264	-	-	10,498,060	(1,905,856)	41,355,623
Water Resources Management	Resource Planning & Development	-	3,995,815	330,000	-	-	231,100	(200,752)	4,356,163
Water Resources Management	Resource Implementation	-	9,596,165	1,631,500	-	-	6,072,150	(762,132)	16,537,683
Water Resources Management	Office of the Group Manager	-	3,059,618	30,000	-	-	119,650	(141,382)	3,067,885
Ethics Office		-	1,299,720	101,672	-	-	47,000	(63,808)	1,384,584
Real Property		-	7,403,777	2,448,500	23,500	-	6,964,905	(741,905)	16,098,777
General Counsel		-	11,308,316	3,495,000	-	-	399,000	(669,728)	14,532,588
General Auditor		-	3,283,523	500,000	-	-	71,500	(169,830)	3,685,193
Total Departmental O&M		-	**345,191,629**	**53,025,308**	**16,035,191**	**20,050,366**	**77,656,428**	**(22,554,008)**	**489,404,914**
GENERAL DISTRICT REQUIREMENTS									
State Water Project									
Supply - O&M									96,219,185
Supply - Capital									38,745,558
Power - O&M & Off-Aq Capital									170,923,193
Power - Capital (less Off-Aq)									(4,292,647)
Transmission - Capital - Commodity, Demand, & Standby									92,495,751
Transmission - O&M - Commodity only									195,419,867
CA WaterFix - Capital									13,038,349
Total State Water Project									**602,549,255**
Colorado River Aqueduct Power Costs									**52,947,173**
Supply Programs									**54,393,509**
Demand Management Programs									
Local Resources Program									40,825,324
Future Supply Actions									1,985,000
Conservation Credits Program									43,000,000
Total Demand Management Programs									**85,810,324**
Capital Financing Program									
Revenue Bond Debt Service net of BABs Interest Subsidy Payment									309,638,356
G.O. Bond Debt Service									14,340,420
Debt Administration & State Revolving Funds									6,940,835
Bond Defeasance									-
PAYGO									120,000,000
Total Capital Financing Program									**450,919,612**
Other Operating Costs									
Operating Equipment									6,955,417
OPEB\PERS Pre-Funding									-
Total Other Operating Costs									**6,955,417**
Increase/(Decrease) in Required Reserves									**41,300,000**
Total General District Requirements									**1,294,875,289**
REQUIREMENTS BEFORE OFFSETS:									**1,784,280,203**
Revenue Offsets									
Taxes - MWD Portion of SWP GO Debt Service									10,287,780
Taxes - MWD GO Debt Service									14,340,420
Interest on Investments									17,825,143
Hydro-Power Revenue									15,295,282
CRA Power Revenue									3,283,614
Wadsworth Pumping Plant (DVL) Power Revenue (cost in dept)									487,984
Misc. allocated to A&G (Lease, Late Fees, etc.)									2,040,000
Misc. allocated to supply (PVID Lease, CVWD Revenues)									9,457,519
Taxes - additional from fixed tax rate									93,440,155
Revenue Reserve used for Revenue Bonds - I&P									-
Annexation									-
Total Revenue Offsets									**166,457,897**
NET REVENUE REQUIREMENTS:									**1,617,822,306**

Functional Assignment Percentages
Fiscal Year Ending 2020

			Fn1	Fn2	Fn3	Fn4	Fn5	Fn6	Fn7	Fn8	Fn9	Fn10	Fn11	Fn12	Fn16	Fn17	Fn18	Fn19	Fn20	Fn21	Fn22	Fn23	Fn24		
			Source of Supply			Conveyance & Aqueduct					Storage				Treatment										
Letter Codes for Primary Functional Assignment Bases						CRA		SWP		Other	Storage Costs Other Than Power														
a	*Direct Assignment*		CRA	SWP	Other	CRA Power	CRA All Other	SWP Power	SWP All Other	Conv. & Aqueduct	Emergency	Drought	Regulatory	Power	Jensen	Weymouth	Diemer	Mills	Skinner	Distribution	Demand Management	Hydro-Electric	Administrative & General	Percentage Total	
b	*Work in Process/Net Book Value*																								
c	*Pro-Rating*																								
d	*Branch Manager Analysis*																								
e	*Prior-Year Results*																								
f	*Other*																								
Departmental O&M		**Functional Allocation Basis (4)**																							
Group	***Item***																								checks
Office of General Manager		c Pro-rata by all other departmental costs	2.1%	2.4%	2.6%	1.0%	8.8%	0.0%	3.7%	1.7%	1.5%	1.3%	0.6%	0.0%	5.0%	5.6%	5.9%	3.9%	4.9%	20.6%	2.6%	1.1%	24.7%	100.00%	-
Office of General Manager	Board of Directors	a 100% A&G																					100.0%	100.00%	-
Office of General Manager	Bay Delta Initiatives	a 100% C&A							100.0%															100.00%	-
External Affairs	Legislative Services	a 100% A&G																					100.0%	100.00%	-
External Affairs	Media Communications Services	a 100% A&G																					100.0%	100.00%	-
External Affairs	Manager, External Affairs/Special Projects	a 100% A&G																					100.0%	100.00%	-
External Affairs	Conservation & Community Services	d Branch Manager Analysis																			50.0%		50.0%	100.00%	-
Human Resources		c Pro-rata by all other departmental costs	2.1%	2.4%	2.6%	1.0%	8.8%	0.0%	3.7%	1.7%	1.5%	1.3%	0.6%	0.0%	5.0%	5.6%	5.9%	3.9%	4.9%	20.6%	2.6%	1.1%	24.7%	100.00%	-
Water Systems Operations	Office of the Manager	c Pro-rata by all other WSO dir. Labor	2.1%	2.1%	2.1%	1.9%	16.6%	0.0%	1.0%	0.2%	0.4%	0.4%	0.3%	0.0%	7.5%	7.9%	7.8%	6.9%	7.2%	32.8%	0.0%	2.1%	0.6%	100.00%	-
Water Systems Operations	Office of the Manager, Conveyance & Distribution	c Pro-rata by all other C&D dir. Labor	0.0%	0.0%	0.0%	0.0%	50.6%	0.0%	3.4%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	43.6%	0.0%	2.4%	0.1%	100.00%	-
Water Systems Operations	Office of the Manager, Treatment Section	c Pro-rata by direct field treatment costs	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	17.2%	19.9%	20.7%	13.2%	15.6%	13.3%	0.0%	0.0%	0.0%	100.00%	-
Water Systems Operations	Office of the Manager, Operations Support Servic	c Pro-rata by all other WSO dir. Labor	2.1%	2.1%	2.1%	1.9%	16.6%	0.0%	1.0%	0.2%	0.4%	0.4%	0.3%	0.0%	7.5%	7.9%	7.8%	6.9%	7.2%	32.8%	0.0%	2.1%	0.6%	100.00%	-
Water Systems Operations	Operations Support Services	e By Actual Appropriation Cost					8.7%								1.5%	1.5%	1.5%	1.5%	1.5%	81.3%		2.0%	0.5%	100.00%	-
Water Systems Operations	Desert Region / C&D CRA	a 100% C&A					100.0%																	100.00%	-
Water Systems Operations	System Operations Unit	a 100% Distribution																		100.0%				100.00%	-
Water Systems Operations	Power Operations and Planning	e By Actual Appropriation Cost				98.8%																1.2%		100.00%	-
Water Systems Operations	Operations Planning & Programs Unit	a 100% supply	33.3%	33.3%	33.3%																			100.00%	-
Water Systems Operations	Treatment Jensen	d Branch Manager Analysis													86.7%					13.3%				100.00%	-
Water Systems Operations	Treatment Diemer	d Branch Manager Analysis															86.7%			13.3%				100.00%	-
Water Systems Operations	Treatment Mills	d Branch Manager Analysis																86.7%		13.3%				100.00%	-
Water Systems Operations	Treatment Skinner	d Branch Manager Analysis																	86.7%	13.3%				100.00%	-
Water Systems Operations	Treatment Weymouth	d Branch Manager Analysis														86.7%				13.3%				100.00%	-
Water Systems Operations	Water Quality Section	d Branch Manager Analysis	14.0%	14.0%	14.0%						2.8%	2.8%	2.8%		10.0%	10.0%	10.0%	10.0%	10.0%					100.00%	-
Water Systems Operations	C&D, Eastern Unit	e By Actual Appropriation Cost					7.8%		8.6%											79.6%		3.9%	0.1%	100.00%	-
Water Systems Operations	C&D, Western Unit	e By Actual Appropriation Cost					0.2%		4.3%											89.9%		5.4%	0.2%	100.00%	-
Water Systems Operations	OSS, Manufacturing Services Unit	e By Actual Appropriation Cost					6.1%								2.0%	2.0%	2.0%	2.0%	2.0%	81.9%		2.0%	0.2%	100.00%	-
Water Systems Operations	Environmental Health & Safety Section	e By Actual Appropriation Cost					20.1%								10.2%	10.2%	10.2%	10.2%	10.2%	28.1%		0.8%	0.1%	100.00%	-
Water Systems Operations	OSS, Fleet Services Unit	d Branch Manager Analysis					12.8%								4.6%	4.6%	4.6%	4.6%	4.6%	53.3%		0.0%	11.1%	100.00%	-
Water Systems Operations	OSS, Power Support Unit	e By Actual Appropriation Cost				2.3%									2.8%	2.8%	2.8%	2.8%	2.8%	55.1%		28.2%	0.2%	100.00%	-
Water Systems Operations	Office of the Manager, Operations & Planning Sec	c Pro-rata by all other WSO dir. Labor	2.1%	2.1%	2.1%	1.9%	16.6%	0.0%	1.0%	0.2%	0.4%	0.4%	0.3%	0.0%	7.5%	7.9%	7.8%	6.9%	7.2%	32.8%	0.0%	2.1%	0.6%	100.00%	-
Water Systems Operations	Security Team & Security Management	b NBV	0.0%	0.0%	4.0%	1.5%	3.8%	0.0%	1.5%	15.1%	11.0%	9.2%	3.6%	0.0%	5.4%	5.7%	6.7%	1.8%	7.1%	18.0%	0.0%	0.9%	4.7%	100.00%	-
Office of the Chief Financial Offic		a 100% A&G																					100.0%	100.00%	-
Business Technology	Office of Manager	a 100% A&G																					100.0%	100.00%	-
Engineering Services		b NBV/WIP	0.0%	0.0%	4.0%	1.5%	3.8%	0.0%	1.5%	15.1%	11.0%	9.2%	3.6%	0.0%	5.4%	5.7%	6.7%	1.8%	7.1%	18.0%	0.0%	0.9%	4.7%	100.00%	-
Business Technology	Administrative Services	a 100% A&G																					100.0%	100.00%	-
Business Technology	Information Technology	c Pro-rata by all other departmental costs	2.1%	2.4%	2.6%	1.0%	8.8%	0.0%	3.7%	1.7%	1.5%	1.3%	0.6%	0.0%	5.0%	5.6%	5.9%	3.9%	4.9%	20.6%	2.6%	1.1%	24.7%	100.00%	-
Water Resources Management	Resource Planning & Development	e By Actual Appropriation Cost			66.5%										0.0%	0.0%	0.0%	0.0%	0.0%	33.0%			0.4%	100.00%	-
Water Resources Management	Resource Implementation	e By Actual Appropriation Cost	22.2%	26.7%	8.7%															0.0%	42.3%		0.1%	100.00%	-
Water Resources Management	Office of the Group Manager	c Prorated by other WRM costs	17.6%	21.1%	20.8%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	6.9%	33.5%	0.0%	0.2%	100.00%	-
Ethics Office		a 100% A&G																					100.0%	100.00%	-
Real Property		d Branch Manager Analysis	3.3%	5.7%	0.0%	0.0%	5.2%	0.0%	18.2%	0.0%	4.6%	4.1%	0.5%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	16.6%	0.0%	0.0%	41.8%	100.00%	-
General Counsel		a 100% A&G																					100.0%	100.00%	-
General Auditor		a 100% A&G																					100.0%	100.00%	-
Total Departmental O&M																									-
GENERAL DISTRICT REQUIREMENTS																									-
State Water Project																									-
Supply - O&M		a Supply: SWP		100.0%																				100.00%	-
Supply - Capital		a Supply: SWP		100.0%																				100.00%	-
Power - O&M & Off-Aq Capital		a C&A: SWP - Power						100.0%																100.00%	-
Power - Capital (less Off-Aq)		a C&A: SWP - Power						100.0%																100.00%	-
Transmission - Capital - Commodity, Demand, & Standby		a C&A: SWP - All Other							100.0%															100.00%	-
Transmission - O&M - Commodity only		a C&A: SWP - All Other							100.0%															100.00%	-
CA WaterFix - Capital		a C&A: SWP - All Other							100.0%															100.00%	-
Total State Water Project																									-
Colorado River Aqueduct Power Costs		a 100% CRA				100.0%																		100.00%	-
Supply Programs		f Forecasted Costs	45.9%	51.1%	3.0%																			100.00%	-
Demand Management Programs																									-
Local Resources Program		a 100% Demand management																			100.0%			100.00%	-
Future Supply Actions		a 100% Demand management																			100.0%			100.00%	-
Conservation Credits Program		a 100% Demand management																			100.0%			100.00%	-
Total Demand Management Programs																									-
Capital Financing Program																									-
Revenue Bond Debt Service net of BABs Interest Subsidy Payment		b NBV	0.0%	0.0%	4.0%	1.5%	3.8%	0.0%	1.5%	15.1%	11.0%	9.2%	3.6%	0.0%	5.4%	5.7%	6.7%	1.8%	7.1%	18.0%	0.0%	0.9%	4.7%	100.00%	-
G.O. Bond Debt Service		b Treatment by NBV and Remainder to Dist													5.4%	5.7%	6.7%	1.8%	7.1%	73.3%				100.00%	-
Debt Administration & State Revolving Funds		b NBV	0.0%	0.0%	4.0%	1.5%	3.8%	0.0%	1.5%	15.1%	11.0%	9.2%	3.6%	0.0%	5.4%	5.7%	6.7%	1.8%	7.1%	18.0%	0.0%	0.9%	4.7%	100.00%	-
Bond Defeasance		b NBV	0.0%	0.0%	4.0%	1.5%	3.8%	0.0%	1.5%	15.1%	11.0%	9.2%	3.6%	0.0%	5.4%	5.7%	6.7%	1.8%	7.1%	18.0%	0.0%	0.9%	4.7%	100.00%	-
PAYGO		b NBV	0.0%	0.0%	4.0%	1.5%	3.8%	0.0%	1.5%	15.1%	11.0%	9.2%	3.6%	0.0%	5.4%	5.7%	6.7%	1.8%	7.1%	18.0%	0.0%	0.9%	4.7%	100.00%	-
Total Capital Financing Program																									-
Other Operating Costs																									-
Operating Equipment		c Pro rata labor	2.2%	2.4%	3.0%	1.3%	10.1%	0.0%	3.0%	1.8%	1.6%	1.4%	0.6%	0.0%	5.0%	5.3%	5.4%	4.2%	5.0%	22.0%	2.3%	1.3%	22.1%	100.00%	-
OPEB\PERS Pre-Funding		c Pro rata labor	2.2%	2.4%	3.0%	1.3%	10.1%	0.0%	3.0%	1.8%	1.6%	1.4%	0.6%	0.0%	5.0%	5.3%	5.4%	4.2%	5.0%	22.0%	2.3%	1.3%	22.1%	100.00%	-
Total Other Operating Costs																									-
Increase/(Decrease) in Required Reserves		a A&G																					100.0%	100.00%	-
Total General District Requirements																									-
REQUIREMENTS BEFORE OFFSETS:																									-
Revenue Offsets		**Functionalization Basis**																							-
Taxes - MWD Portion of SWP GO Debt Service		a See footnote #2 below.							100.0%															100.00%	-
Taxes - MWD GO Debt Service		a See footnote #2 below.													5.4%	5.7%	6.7%	1.8%	7.1%	73.3%				100.00%	-
Interest on Investments		c Proportionate to Rev Req	2.0%	9.8%	1.8%	3.6%	3.4%	9.3%	18.3%	4.2%	3.1%	2.6%	1.0%	0.0%	2.8%	3.0%	3.3%	1.5%	3.2%	10.7%	5.5%	0.5%	10.3%	100.00%	-
Hydro-Power Revenue		a 100% Hydro																				100.0%		100.00%	-
CRA Power Revenue		a 100% CRA				100.0%																		100.00%	-
Wadsworth Pumping Plant (DVL) Power Revenue (cost in dept)		a 100% Storage: Pumping												100.0%										100.00%	-
Misc. allocated to A&G (Lease, Late Fees, etc.)		a A&G																					100.0%	100.00%	-
Misc. allocated to supply (PVID Lease, CVWD Revenues)		a 100% SWP Supply		100.0%																				100.00%	-
Taxes - additional from fixed tax rate		a Proportionate to SWP Capital costs (not including off		26.9%				0.0%	73.1%															100.00%	-
Revenue Reserve used for Revenue Bonds - I&P		b NBV	0.0%	0.0%	4.0%	1.5%	3.8%	0.0%	1.5%	15.1%	11.0%	9.2%	3.6%	0.0%	5.4%	5.7%	6.7%	1.8%	7.1%	18.0%	0.0%	0.9%	4.7%	100.00%	-
Annexation		a Percent of capital financing costs not relate	0.0%	0.0%	0.0%	1.5%	3.8%	0.0%	1.5%	15.2%	11.1%	9.2%	3.6%	0.0%	5.6%	5.9%	7.0%	1.9%	7.4%	20.6%	0.0%	0.9%	4.7%	100.00%	-
Total Revenue Offsets																									-
NET REVENUE REQUIREMENTS:																									-

Functional Assignment Results
Fiscal Year Ending 2020

	Fn1	Fn2	Fn3	Fn4	Fn5	Fn6	Fn7	Fn8	Fn9	Fn10	Fn11	Fn12	Fn16	Fn17	Fn18	Fn19	Fn20	Fn21	Fn22	Fn23	Fn24		
	Source of Supply			Conveyance & Aqueduct					Storage				Treatment										
				CRA		SWP		Other	Storage Costs Other Than Power														
	CRA	SWP	Other Supply	CRA Power	CRA All Other	SWP Power	SWP All Other	Conv. & Aqueduct	Emergency	Drought	Regulatory	Power	Jensen	Weymouth	Diemer	Mills	Skinner	Distribution	Demand Management	Hydro-Electric	Administrative & General	Total $ Allocated	Total less A&G
Departmental O&M																							
Group ***Item***																							
Office of General Manager	105,570	119,944	130,278	50,488	439,368	-	186,390	83,329	76,989	65,949	28,517	-	252,095	278,893	292,177	194,209	246,038	1,029,362	127,460	55,695	1,231,251	4,994,002	3,762,752
Office of General Manager Board of Directors	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,625,482	1,625,482	-
Office of General Manager Bay Delta Initiatives	-	-	-	-	-	-	10,081,192	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10,081,192	10,081,192
External Affairs Legislative Services	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6,072,069	6,072,069	-
External Affairs Media Communications Services	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5,700,983	5,700,983	-
External Affairs Manager, External Affairs/Special Projects	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8,814,555	8,814,555	-
External Affairs Conservation & Community Services	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2,971,013	-	2,971,013	5,942,026	2,971,013
Human Resources	260,309	295,753	321,235	124,490	1,083,374	-	459,592	205,469	189,837	162,614	70,316	-	621,607	687,682	720,439	478,873	606,671	2,538,159	314,284	137,331	3,035,966	12,314,002	9,278,036
Water Systems Operations Office of the Manager	98,502	98,502	100,825	89,866	781,871	-	45,302	8,786	20,797	19,731	16,493	-	354,818	373,421	369,259	323,571	341,049	1,546,919	-	97,419	26,165	4,713,298	4,687,133
Water Systems Operations Office of the Manager, Conveyance & Dist	-	-	-	-	354,867	-	23,830	-	-	-	-	-	-	-	-	-	-	305,744	-	16,672	532	701,646	701,114
Water Systems Operations Office of the Manager, Treatment Section	-	-	-	-	-	-	-	-	-	-	-	-	205,121	237,229	247,099	157,338	185,963	158,426	-	-	-	1,191,176	1,191,176
Water Systems Operations Office of the Manager, Operations Support	46,623	46,623	47,722	42,535	370,074	-	21,442	4,158	9,844	9,339	7,807	-	167,941	176,747	174,777	153,152	161,425	732,184	-	46,110	12,384	2,230,887	2,218,503
Water Systems Operations Operations Support Services	-	-	-	-	602,435	-	-	-	-	-	-	-	103,868	103,868	103,868	103,868	103,868	5,629,647	-	138,491	34,623	6,924,535	6,889,912
Water Systems Operations Desert Region / C&D CRA	-	-	-	-	26,765,473	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	26,765,473	26,765,473
Water Systems Operations System Operations Unit	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8,392,718	-	-	-	8,392,718	8,392,718
Water Systems Operations Power Operations and Planning	-	-	-	3,323,425	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	40,365	-	3,363,790	3,363,790
Water Systems Operations Operations Planning & Programs Unit	926,203	926,203	926,203	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2,778,608	2,778,608
Water Systems Operations Treatment Jensen	-	-	-	-	-	-	-	-	-	-	-	-	13,589,088	-	-	-	-	2,084,601	-	-	-	15,673,689	15,673,689
Water Systems Operations Treatment Diemer	-	-	-	-	-	-	-	-	-	-	-	-	-	-	16,370,085	-	-	2,511,213	-	-	-	18,881,298	18,881,298
Water Systems Operations Treatment Mills	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10,423,511	-	1,598,993	-	-	-	12,022,504	12,022,504
Water Systems Operations Treatment Skinner	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12,319,872	1,889,900	-	-	-	14,209,771	14,209,771
Water Systems Operations Treatment Weymouth	-	-	-	-	-	-	-	-	-	-	-	-	-	15,716,185	-	-	-	2,410,903	-	-	-	18,127,087	18,127,087
Water Systems Operations Water Quality Section	3,285,124	3,285,124	3,285,124	-	-	-	-	-	646,690	646,690	646,690	-	2,338,419	2,338,419	2,338,419	2,338,419	2,338,419	-	-	-	-	23,487,538	23,487,538
Water Systems Operations C&D, Eastern Unit	-	-	-	-	1,470,866	-	1,621,724	-	-	-	-	-	-	-	-	-	-	15,010,373	-	735,433	18,857	18,857,252	18,838,395
Water Systems Operations C&D, Western Unit	-	-	-	-	30,642	-	658,800	-	-	-	-	-	-	-	-	-	-	13,773,522	-	827,331	30,642	15,320,937	15,290,295
Water Systems Operations OSS, Manufacturing Services Unit	-	-	-	-	414,307	-	-	-	-	-	-	-	133,122	133,122	133,122	133,122	133,122	5,562,583	-	135,838	13,584	6,791,921	6,778,337
Water Systems Operations Environmental Health & Safety Section	-	-	-	-	3,052,088	-	-	-	-	-	-	-	1,545,784	1,545,784	1,545,784	1,545,784	1,545,784	4,266,849	-	121,476	15,185	15,184,516	15,169,332
Water Systems Operations OSS, Fleet Services Unit	-	-	-	-	1,345,996	-	-	-	-	-	-	-	479,511	479,511	479,511	479,511	479,511	5,604,810	-	-	1,167,231	10,515,590	9,348,360
Water Systems Operations OSS, Power Support Unit	-	-	-	180,677	-	-	-	-	-	-	-	-	223,096	223,096	223,096	223,096	223,096	4,328,385	-	2,215,253	15,711	7,855,509	7,839,798
Water Systems Operations Office of the Manager, Operations & Plann	7,406	7,406	7,581	6,757	58,788	-	3,406	661	1,564	1,484	1,240	-	26,678	28,077	27,764	24,329	25,643	116,310	-	7,325	1,967	354,386	352,419
Water Systems Operations Security Team & Security Management	-	-	427,378	160,267	408,146	-	155,622	1,616,137	1,176,229	980,201	384,549	-	580,165	607,945	717,994	190,183	757,527	1,923,771	-	95,092	503,237	10,684,442	10,181,204
Office of the Chief Financial C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	24,088,017	24,088,017	-
Business Technology Office of Manager	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Engineering Services	-	-	1,469,656	551,121	1,403,521	-	535,148	5,557,533	4,044,786	3,370,692	1,322,376	-	1,995,058	2,090,585	2,469,022	653,997	2,604,965	6,615,417	-	326,998	1,730,520	36,741,395	35,010,875
Business Technology Administrative Services	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	26,984,124	26,984,124	-
Business Technology Information Technology	874,228	993,265	1,078,842	418,091	3,638,428	-	1,543,505	690,053	637,552	546,125	236,152	-	2,087,617	2,309,528	2,419,538	1,608,258	2,037,459	8,524,210	1,055,500	461,215	10,196,058	41,355,623	31,159,565
Water Resources Manageme Resource Planning & Development	-	-	2,896,849	-	-	-	-	-	-	-	-	-	871	871	871	871	871	1,437,534	-	-	17,425	4,356,163	4,338,739
Water Resources Manageme Resource Implementation	3,671,366	4,415,561	1,438,778	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6,995,440	-	16,538	16,537,683	16,521,146
Water Resources Manageme Office of the Group Manager	539,074	648,346	636,609	-	-	-	-	-	-	-	-	-	128	128	128	128	128	211,076	1,027,154	-	4,987	3,067,885	3,062,899
Ethics Office	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,384,584	1,384,584	-
Real Property	531,260	917,630	-	-	837,136	-	2,929,977	-	740,544	660,050	80,494	-	-	-	-	-	-	2,672,397	-	-	6,729,289	16,098,777	9,369,488
General Counsel	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14,532,588	14,532,588	-
General Auditor	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3,685,193	3,685,193	-
Total Departmental O&M	**10,345,663**	**11,754,358**	**12,767,080**	**4,947,717**	**43,057,379**	**-**	**18,265,930**	**8,166,126**	**7,544,831**	**6,462,875**	**2,794,634**	**-**	**24,704,988**	**27,331,090**	**28,632,953**	**19,032,221**	**24,111,411**	**100,876,005**	**12,490,852**	**5,458,045**	**120,660,757**	**489,404,914**	**368,744,157**
GENERAL DISTRICT REQUIREMENTS																							-
State Water Project																							-
Supply - O&M	-	96,219,185	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	96,219,185	96,219,185
Supply - Capital	-	38,745,558	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	38,745,558	38,745,558
Power - O&M & Off-Aq Capital	-	-	-	-	-	170,923,193	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	170,923,193	170,923,193
Power - Capital (less Off-Aq)	-	-	-	-	-	(4,292,647)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(4,292,647)	(4,292,647)
Transmission - Capital - Commodity, Demand, & Standby	-	-	-	-	-	-	92,495,751	-	-	-	-	-	-	-	-	-	-	-	-	-	-	92,495,751	92,495,751
Transmission - O&M - Commodity only	-	-	-	-	-	-	195,419,867	-	-	-	-	-	-	-	-	-	-	-	-	-	-	195,419,867	195,419,867
CA WaterFix - Capital	-	-	-	-	-	-	13,038,349	-	-	-	-	-	-	-	-	-	-	-	-	-	-	13,038,349	13,038,349
Total State Water Project	**-**	**134,964,743**	**-**	**-**	**-**	**166,630,545**	**300,953,967**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**602,549,255**	**602,549,255**
Colorado River Aqueduct Power Costs	-	-	-	52,947,173	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	52,947,173	-
Supply Programs	24,971,426	27,813,803	1,608,280	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	54,393,509	-
Demand Management Programs																							-
Local Resources Program	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	40,825,324	-	-	40,825,324	-
Future Supply Actions	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,985,000	-	-	1,985,000	-
Conservation Credits Program	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	43,000,000	-	-	43,000,000	-
Total Demand Management Programs	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**85,810,324**	**-**	**-**	**85,810,324**	**85,810,324**
Capital Financing Program																							-
Revenue Bond Debt Service net of BABs Interest Subsidy Payment	-	-	12,385,534	4,644,575	11,828,185	-	4,509,963	46,836,147	34,087,462	28,406,530	11,144,333	-	16,813,363	17,618,422	20,807,698	5,511,563	21,953,359	55,751,475	-	2,755,781	14,583,967	309,638,356	-
G.O. Bond Debt Service	-	-	-	-	-	-	-	-	-	-	-	-	778,685	815,970	963,676	255,259	1,016,736	10,510,094	-	-	-	14,340,420	-
Debt Administration & State Revolving Funds	-	-	277,633	104,113	265,140	-	101,095	1,049,876	764,103	636,759	249,811	-	376,887	394,934	466,424	123,547	492,105	1,249,722	-	61,773	326,913	6,940,835	-
Bond Defeasance	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PAYGO	-	-	4,800,000	1,800,000	4,584,000	-	1,747,831	18,151,297	13,210,558	11,008,919	4,318,974	-	6,516,000	6,828,000	8,064,000	2,136,000	8,508,000	21,606,422	-	1,068,000	5,652,000	120,000,000	-
Total Capital Financing Program	**-**	**-**	**17,463,168**	**6,548,688**	**16,677,325**	**-**	**6,358,889**	**66,037,320**	**48,062,122**	**40,052,208**	**15,713,117**	**-**	**24,484,935**	**25,657,326**	**30,301,798**	**8,026,369**	**31,970,200**	**89,117,712**	**-**	**3,885,555**	**20,562,880**	**450,919,612**	**430,356,732**
Other Operating Costs																							-
Operating Equipment	151,884	168,910	209,710	87,110	702,870	-	208,779	124,326	111,135	95,144	42,760	-	349,959	370,546	376,763	291,236	349,767	1,530,306	158,654	89,595	1,535,962	6,955,417	5,419,454
OPEB\PERS Pre-Funding	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Other Operating Costs	**151,884**	**168,910**	**209,710**	**87,110**	**702,870**	**-**	**208,779**	**124,326**	**111,135**	**95,144**	**42,760**	**-**	**349,959**	**370,546**	**376,763**	**291,236**	**349,767**	**1,530,306**	**158,654**	**89,595**	**1,535,962**	**6,955,417**	**5,419,454**
Increase/(Decrease) in Required Reserves	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	41,300,000	41,300,000	-
Total General District Requirements	**25,123,310**	**162,947,456**	**19,281,157**	**59,582,971**	**17,380,195**	**166,630,545**	**307,521,634**	**66,161,645**	**48,173,257**	**40,147,352**	**15,755,877**	**-**	**24,834,894**	**26,027,872**	**30,678,561**	**8,317,605**	**32,319,968**	**90,648,019**	**85,968,978**	**3,975,149**	**63,398,842**	**1,294,875,289**	**1,124,135,765**
REQUIREMENTS BEFORE OFFSETS:	**35,468,973**	**174,701,814**	**32,048,237**	**64,530,688**	**60,437,574**	**166,630,545**	**325,787,564**	**74,327,771**	**55,718,088**	**46,610,226**	**18,550,511**	**-**	**49,539,882**	**53,358,962**	**59,311,514**	**27,349,826**	**56,431,379**	**191,524,024**	**98,459,830**	**9,433,194**	**184,059,599**	**1,784,280,203**	**1,600,220,604**
Revenue Offsets																							-
Taxes - MWD Portion of SWP GO Debt Service	-	-	-	-	-	-	10,287,780	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10,287,780	10,287,780
Taxes - MWD GO Debt Service	-	-	-	-	-	-	-	-	-	-	-	-	778,685	815,970	963,676	255,259	1,016,736	10,510,094	-	-	-	14,340,420	14,340,420
Interest on Investments	354,339	1,745,289	320,165	644,668	603,778	1,664,656	3,254,651	742,542	556,629	465,641	185,322	-	494,909	533,062	592,528	273,228	563,755	1,913,345	983,624	94,239	1,838,774	17,825,143	15,986,369
Hydro-Power Revenue	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15,295,282	-	15,295,282	15,295,282
CRA Power Revenue	-	-	-	3,283,614	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3,283,614	3,283,614
Wadsworth Pumping Plant (DVL) Power Revenue (cost in dept)	-	-	-	-	-	-	-	-	-	-	-	487,984	-	-	-	-	-	-	-	-	-	487,984	487,984
Misc. allocated to A&G (Lease, Late Fees, etc.)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2,040,000	2,040,000	-
Misc. allocated to supply (PVID Lease, CVWD Revenues)	-	9,457,519	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9,457,519	9,457,519
Taxes - additional from fixed tax rate	-	25,092,872	-	-	-	-	68,347,283	-	-	-	-	-	-	-	-	-	-	-	-	-	-	93,440,155	93,440,155
Revenue Reserve used for Revenue Bonds - I&P	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Annexation	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Revenue Offsets	**354,339**	**36,295,680**	**320,165**	**3,928,282**	**603,778**	**1,664,656**	**81,889,715**	**742,542**	**556,629**	**465,641**	**185,322**	**487,984**	**1,273,593**	**1,349,031**	**1,556,204**	**528,487**	**1,580,491**	**12,423,439**	**983,624**	**15,389,521**	**3,878,774**	**166,457,897**	**162,579,123**
NET REVENUE REQUIREMENTS:	**35,114,634**	**138,406,134**	**31,728,072**	**60,602,405**	**59,833,796**	**164,965,889**	**243,897,849**	**73,585,229**	**55,161,459**	**46,144,585**	**18,365,189**	**(487,984)**	**48,266,289**	**52,009,931**	**57,755,310**	**26,821,338**	**54,850,888**	**179,100,586**	**97,476,206**	**(5,956,327)**	**180,180,825**	**$ 1,617,822,306**	**$ 1,437,641,481**

Functional Assignment Summary (by budget line item)
Fiscal Year Ending 2020

		Source of Supply	Conveyance & Aqueduct	Storage		Treatment	Distribution	Demand Management	Hydro-Electric	Administrative & General	Total $ Allocated	
				Non-Power	Power							
Departmental O&M												
Group	***Item***											CHECKS
Office of General Manager		355,792	759,574	171,455	-	1,263,413	1,029,362	127,460	55,695	1,231,251	4,994,002	-
Office of General Manager	Board of Directors	-	-	-	-	-	-	-	-	1,625,482	1,625,482	-
Office of General Manager	Bay Delta Initiatives	-	10,081,192	-	-	-	-	-	-	-	10,081,192	-
External Affairs	Legislative Services	-	-	-	-	-	-	-	-	6,072,069	6,072,069	-
External Affairs	Media Communications Services	-	-	-	-	-	-	-	-	5,700,983	5,700,983	-
External Affairs	Manager, External Affairs/Special Projects	-	-	-	-	-	-	-	-	8,814,555	8,814,555	-
External Affairs	Conservation & Community Services	-	-	-	-	-	-	2,971,013	-	2,971,013	5,942,026	-
Human Resources		877,297	1,872,926	422,767	-	3,115,272	2,538,159	314,284	137,331	3,035,966	12,314,002	-
Water Systems Operations	Office of the Manager	297,830	925,825	57,022	-	1,762,119	1,546,919	-	97,419	26,165	4,713,298	-
Water Systems Operations	Office of the Manager, Conveyance & Distribution Section	-	378,697	-	-	-	305,744	-	16,672	532	701,646	-
Water Systems Operations	Office of the Manager, Treatment Section	-	-	-	-	1,032,750	158,426	-	-	-	1,191,176	-
Water Systems Operations	Office of the Manager, Operations Support Services	140,968	438,210	26,989	-	834,042	732,184	-	46,110	12,384	2,230,887	-
Water Systems Operations	Operations Support Services	-	602,435	-	-	519,340	5,629,647	-	138,491	34,623	6,924,535	-
Water Systems Operations	Desert Region / C&D CRA	-	26,765,473	-	-	-	-	-	-	-	26,765,473	-
Water Systems Operations	System Operations Unit	-	-	-	-	-	8,392,718	-	-	-	8,392,718	-
Water Systems Operations	Power Operations and Planning	-	3,323,425	-	-	-	-	-	40,365	-	3,363,790	-
Water Systems Operations	Operations Planning & Programs Unit	2,778,608	-	-	-	-	-	-	-	-	2,778,608	-
Water Systems Operations	Treatment Jensen	-	-	-	-	13,589,088	2,084,601	-	-	-	15,673,689	-
Water Systems Operations	Treatment Diemer	-	-	-	-	16,370,085	2,511,213	-	-	-	18,881,298	-
Water Systems Operations	Treatment Mills	-	-	-	-	10,423,511	1,598,993	-	-	-	12,022,504	-
Water Systems Operations	Treatment Skinner	-	-	-	-	12,319,872	1,889,900	-	-	-	14,209,771	-
Water Systems Operations	Treatment Weymouth	-	-	-	-	15,716,185	2,410,903	-	-	-	18,127,087	-
Water Systems Operations	Water Quality Section	9,855,371	-	1,940,071	-	11,692,096	-	-	-	-	23,487,538	-
Water Systems Operations	C&D, Eastern Unit	-	3,092,589	-	-	-	15,010,373	-	735,433	18,857	18,857,252	-
Water Systems Operations	C&D, Western Unit	-	689,442	-	-	-	13,773,522	-	827,331	30,642	15,320,937	-
Water Systems Operations	OSS, Manufacturing Services Unit	-	414,307	-	-	665,608	5,562,583	-	135,838	13,584	6,791,921	-
Water Systems Operations	Environmental Health & Safety Section	-	3,052,088	-	-	7,728,919	4,266,849	-	121,476	15,185	15,184,516	-
Water Systems Operations	OSS, Fleet Services Unit	-	1,345,996	-	-	2,397,555	5,604,810	-	-	1,167,231	10,515,590	-
Water Systems Operations	OSS, Power Support Unit	-	180,677	-	-	1,115,482	4,328,385	-	2,215,253	15,711	7,855,509	-
Water Systems Operations	Office of the Manager, Operations & Planning Section	22,393	69,611	4,287	-	132,491	116,310	-	7,325	1,967	354,386	-
Water Systems Operations	Security Team & Security Management	427,378	2,340,171	2,540,978	-	2,853,814	1,923,771	-	95,092	503,237	10,684,442	-
Office of the Chief Financial Officer		-	-	-	-	-	-	-	-	24,088,017	24,088,017	-
Business Technology	Office of Manager	-	-	-	-	-	-	-	-	-	-	-
Engineering Services		1,469,656	8,047,323	8,737,854	-	9,813,626	6,615,417	-	326,998	1,730,520	36,741,395	-
Business Technology	Administrative Services	-	-	-	-	-	-	-	-	26,984,124	26,984,124	-
Business Technology	Information Technology	2,946,335	6,290,077	1,419,829	-	10,462,400	8,524,210	1,055,500	461,215	10,196,058	41,355,623	-
Water Resources Management	Resource Planning & Development	2,896,849	-	-	-	4,356	1,437,534	-	-	17,425	4,356,163	-
Water Resources Management	Resource Implementation	9,525,706	-	-	-	-	-	6,995,440	-	16,538	16,537,683	-
Water Resources Management	Office of the Group Manager	1,824,029	-	-	-	640	211,076	1,027,154	-	4,987	3,067,885	-
Ethics Office		-	-	-	-	-	-	-	-	1,384,584	1,384,584	-
Real Property		1,448,890	3,767,114	1,481,087	-	-	2,672,397	-	-	6,729,289	16,098,777	-
General Counsel		-	-	-	-	-	-	-	-	14,532,588	14,532,588	-
General Auditor		-	-	-	-	-	-	-	-	3,685,193	3,685,193	-
Total Departmental O&M		**34,867,100**	**74,437,152**	**16,802,339**	**-**	**123,812,664**	**100,876,005**	**12,490,852**	**5,458,045**	**120,660,757**	**489,404,914**	-
GENERAL DISTRICT REQUIREMENTS												-
State Water Project												-
Supply - O&M		96,219,185	-	-	-	-	-	-	-	-	96,219,185	-
Supply - Capital		38,745,558	-	-	-	-	-	-	-	-	38,745,558	-
Power - O&M & Off-Aq Capital		-	170,923,193	-	-	-	-	-	-	-	170,923,193	-
Power - Capital (less Off-Aq)		-	(4,292,647)	-	-	-	-	-	-	-	(4,292,647)	-
Transmission - Capital - Commodity, Demand, & Standby		-	92,495,751	-	-	-	-	-	-	-	92,495,751	-
Transmission - O&M - Commodity only		-	195,419,867	-	-	-	-	-	-	-	195,419,867	-
		-	13,038,349	-	-	-	-	-	-	-	13,038,349	-
- **Total State Water Project**		**134,964,743**	**467,584,512**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**602,549,255**	-
Colorado River Aqueduct Power Costs		-	52,947,173	-	-	-	-	-	-	-	52,947,173	-
Supply Programs		54,393,509	-	-	-	-	-	-	-	-	54,393,509	-
Demand Management Programs												-
Local Resources Program		-	-	-	-	-	-	40,825,324	-	-	40,825,324	-
Future Supply Actions		-	-	-	-	-	-	1,985,000	-	-	1,985,000	-
Conservation Credits Program		-	-	-	-	-	-	43,000,000	-	-	43,000,000	-
Total Demand Management Programs		**-**	**-**	**-**	**-**	**-**	**-**	**85,810,324**	**-**	**-**	**85,810,324**	-
Capital Financing Program												-
Revenue Bond Debt Service net of BABs Interest Subsidy Payment		12,385,534	67,818,870	73,638,324	-	82,704,405	55,751,475	-	2,755,781	14,583,967	309,638,356	-
G.O. Bond Debt Service		-	-	-	-	3,830,326	10,510,094	-	-	-	14,340,420	-
Debt Administration & State Revolving Funds		277,633	1,520,224	1,650,672	-	1,853,897	1,249,722	-	61,773	326,913	6,940,835	-
Bond Defeasance		-	-	-	-	-	-	-	-	-	-	-
PAYGO		4,800,000	26,283,128	28,538,450	-	32,052,000	21,606,422	-	1,068,000	5,652,000	120,000,000	-
Total Capital Financing Program		**17,463,168**	**95,622,222**	**103,827,447**	**-**	**120,440,628**	**89,117,712**	**-**	**3,885,555**	**20,562,880**	**450,919,612**	-
Other Operating Costs												-
Operating Equipment		530,504	1,123,085	249,039	-	1,738,271	1,530,306	158,654	89,595	1,535,962	6,955,417	-
OPEB\PERS Pre-Funding		-	-	-	-	-	-	-	-	-	-	-
Total Other Operating Costs		**530,504**	**1,123,085**	**249,039**	**-**	**1,738,271**	**1,530,306**	**158,654**	**89,595**	**1,535,962**	**6,955,417**	-
Increase/(Decrease) in Required Reserves		-	-	-	-	-	-	-	-	41,300,000	41,300,000	-
Total General District Requirements		**207,351,923**	**617,276,991**	**104,076,486**	**-**	**122,178,899**	**90,648,019**	**85,968,978**	**3,975,149**	**63,398,842**	**1,294,875,289**	-
REQUIREMENTS BEFORE OFFSETS:		**242,219,024**	**691,714,143**	**120,878,826**	**-**	**245,991,563**	**191,524,024**	**98,459,830**	**9,433,194**	**184,059,599**	**1,784,280,203**	-
Revenue Offsets												-
Taxes - MWD Portion of SWP GO Debt Service		-	10,287,780	-	-	-	-	-	-	-	10,287,780	-
Taxes - MWD GO Debt Service		-	-	-	-	3,830,326	10,510,094	-	-	-	14,340,420	-
Interest on Investments		2,419,793	6,910,296	1,207,592	-	2,457,481	1,913,345	983,624	94,239	1,838,774	17,825,143	-
Hydro-Power Revenue		-	-	-	-	-	-	-	15,295,282	-	15,295,282	-
CRA Power Revenue		-	3,283,614	-	-	-	-	-	-	-	3,283,614	-
Wadsworth Pumping Plant (DVL) Power Revenue (cost in dept)		-	-	-	487,984	-	-	-	-	-	487,984	-
Misc. allocated to A&G (Lease, Late Fees, etc.)		-	-	-	-	-	-	-	-	2,040,000	2,040,000	-
Misc. allocated to supply (PVID Lease, CVWD Revenues)		9,457,519	-	-	-	-	-	-	-	-	9,457,519	-
Taxes - additional from fixed tax rate		25,092,872	68,347,283	-	-	-	-	-	-	-	93,440,155	-
Revenue Reserve used for Revenue Bonds - I&P		-	-	-	-	-	-	-	-	-	-	-
Annexation		-	-	-	-	-	-	-	-	-	-	-
Total Revenue Offsets		**36,970,183**	**88,828,973**	**1,207,592**	**487,984**	**6,287,807**	**12,423,439**	**983,624**	**15,389,521**	**3,878,774**	**166,457,897**	-
NET REVENUE REQUIREMENTS:		**205,248,840**	**602,885,169**	**119,671,234**	**(487,984)**	**239,703,756**	**179,100,586**	**97,476,206**	**(5,956,327)**	**180,180,825**	**1,617,822,306**	-

Functional Assignment of Labor Costs
Fiscal Year Ending 2020

		Class1	Class2	Class3	Class4	Class5	Class6	Class7	Class8	Class9	Class10	Class11	Class1	Class16	Class17	Class18	Class19	Class20	Class21	Class23	Class22	Class24	
		Source of Supply			Conveyance & Aqueduct					Storage				Treatment									
					CRA		SWP			Storage Costs Other Than Power													
		CRA	SWP	Other	CRA Power	CRA All Other	SWP Power	SWP All Other	Other Conv. & Aqueduct	Emergency	Drought	Regulatory	Power	Jensen	Weymouth	Diemer	Mills	Skinner	Distribution	Demand	Hydro-Electric	Administrative & General	Total $ Functionalized
Departmental O&M																							
Group	***Item***																						
Office of General Manager		96,542	109,687	119,137	46,170	401,794	-	170,450	76,203	70,405	60,309	26,078	-	230,537	255,043	267,191	177,601	224,998	941,334	116,560	50,932	1,125,957	4,566,929
Office of General Manager	Board of Directors	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,138,491	1,138,491
Office of General Manager	Bay Delta Initiatives	-	-	-	-	-	-	5,181,886	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5,181,886
External Affairs	Legislative Services	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3,733,925	3,733,925
External Affairs	Media Communications Services	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4,454,728	4,454,728
External Affairs	Manager, External Affairs/Special Projects	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6,258,056	6,258,056
External Affairs	Conservation & Community Services	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,668,617	-	1,668,617	3,337,235
Human Resources		210,834	239,542	260,180	100,829	877,465	-	372,241	166,417	153,756	131,707	56,952	-	503,462	556,980	583,510	387,857	491,366	2,055,750	254,551	111,229	2,458,943	9,973,572
Water Systems Operations	Office of the Manager	58,252	58,252	59,626	53,145	462,383	-	26,791	5,196	12,299	11,669	9,754	-	209,832	220,834	218,373	191,354	201,690	914,818	-	57,612	15,474	2,787,353
Water Systems Operations	Office of the Manager, Conveyance & Distributior	-	-	-	-	332,733	-	22,343	-	-	-	-	-	-	-	-	-	-	286,674	-	15,632	499	657,881
Water Systems Operations	Office of the Manager, Treatment Section	-	-	-	-	-	-	-	-	-	-	-	-	148,772	172,059	179,218	114,116	134,877	114,905	-	-	-	863,946
Water Systems Operations	Office of the Manager, Operations Support Servic	41,510	41,510	42,489	37,871	329,493	-	19,091	3,702	8,764	8,315	6,951	-	149,526	157,365	155,612	136,358	143,724	651,895	-	41,054	11,026	1,986,257
Water Systems Operations	Operations Support Services	-	-	-	-	551,705	-	-	-	-	-	-	-	95,122	95,122	95,122	95,122	95,122	5,155,586	-	126,829	31,707	6,341,434
Water Systems Operations	Desert Region / C&D CRA	-	-	-	-	22,763,286	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	22,763,286
Water Systems Operations	System Operations Unit	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7,214,938	-	-	-	7,214,938
Water Systems Operations	Power Operations and Planning	-	-	-	3,078,829	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	37,395	-	3,116,224
Water Systems Operations	Operations Planning & Programs Unit	923,253	923,253	923,253	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2,769,759
Water Systems Operations	Treatment Jensen	-	-	-	-	-	-	-	-	-	-	-	-	8,777,550	-	-	-	-	1,346,498	-	-	-	10,124,048
Water Systems Operations	Treatment Diemer	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9,246,028	-	-	1,418,364	-	-	-	10,664,392
Water Systems Operations	Treatment Mills	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7,750,898	-	1,189,007	-	-	-	8,939,905
Water Systems Operations	Treatment Skinner	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8,254,622	1,266,280	-	-	-	9,520,902
Water Systems Operations	Treatment Weymouth	-	-	-	-	-	-	-	-	-	-	-	-	-	9,426,621	-	-	-	1,446,068	-	-	-	10,872,689
Water Systems Operations	Water Quality Section	2,665,994	2,665,994	2,665,994	-	-	-	-	-	524,812	524,812	524,812	-	1,897,710	1,897,710	1,897,710	1,897,710	1,897,710	-	-	-	-	19,060,966
Water Systems Operations	C&D, Eastern Unit	-	-	-	-	1,004,394	-	1,107,409	-	-	-	-	-	-	-	-	-	-	10,249,975	-	502,197	12,877	12,876,853
Water Systems Operations	C&D, Western Unit	-	-	-	-	22,797	-	490,137	-	-	-	-	-	-	-	-	-	-	10,247,283	-	615,521	22,797	11,398,535
Water Systems Operations	OSS, Manufacturing Services Unit	-	-	-	-	375,677	-	-	-	-	-	-	-	120,709	120,709	120,709	120,709	120,709	5,043,929	-	123,173	12,317	6,158,643
Water Systems Operations	Environmental Health & Safety Section	-	-	-	-	2,497,365	-	-	-	-	-	-	-	1,264,835	1,264,835	1,264,835	1,264,835	1,264,835	3,491,341	-	99,398	12,425	12,424,702
Water Systems Operations	OSS, Fleet Services Unit	-	-	-	-	861,227	-	-	-	-	-	-	-	306,812	306,812	306,812	306,812	306,812	3,586,204	-	-	746,845	6,728,338
Water Systems Operations	OSS, Power Support Unit	-	-	-	164,001	-	-	-	-	-	-	-	-	202,506	202,506	202,506	202,506	202,506	3,928,895	-	2,010,796	14,261	7,130,481
Water Systems Operations	Office of the Manager, Operations & Planning Se	7,500	7,500	7,677	6,843	59,535	-	3,449	669	1,584	1,502	1,256	-	27,017	28,434	28,117	24,638	25,969	117,789	-	7,418	1,992	358,892
Water Systems Operations	Security Team & Security Management	-	-	84,659	31,747	80,849	-	30,827	320,139	232,998	194,167	76,175	-	114,924	120,427	142,227	37,673	150,058	381,077	-	18,837	99,686	2,116,467
Office of the Chief Financial Of		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10,763,052	10,763,052
Business Technology	Office of Manager	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Engineering Services		-	-	1,350,551	506,456	1,289,776	-	491,778	5,107,134	3,716,985	3,097,521	1,215,207	-	1,833,373	1,921,158	2,268,925	600,995	2,393,851	6,079,285	-	300,498	1,590,273	33,763,766
Business Technology	Administrative Services	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15,787,013	15,787,013
Business Technology	Information Technology	621,688	706,339	767,195	297,317	2,587,389	-	1,097,630	490,716	453,381	388,365	167,934	-	1,484,564	1,642,371	1,720,602	1,143,678	1,448,895	6,061,807	750,596	327,983	7,250,705	29,409,155
Water Resources Management	Resource Planning & Development	-	-	2,657,217	-	-	-	-	-	-	-	-	-	799	799	799	799	799	1,318,619	-	-	15,983	3,995,815
Water Resources Management	Resource Implementation	2,130,349	2,562,176	834,866	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4,059,178	-	9,596	9,596,165
Water Resources Management	Office of the Group Manager	537,621	646,598	634,893	-	-	-	-	-	-	-	-	-	128	128	128	128	128	210,507	1,024,386	-	4,973	3,059,618
Ethics Office		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,299,720	1,299,720
Real Property		244,325	422,015	-	-	384,996	-	1,347,487	-	340,574	303,555	37,019	-	-	-	-	-	-	1,229,027	-	-	3,094,779	7,403,777
General Counsel		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	11,308,316	11,308,316
General Auditor		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3,283,523	3,283,523
Total Departmental O&M		**7,537,868**	**8,382,867**	**########**	**4,323,209**	**34,882,866**	**-**	**10,361,521**	**6,170,177**	**5,515,558**	**4,721,922**	**2,122,137**	**-**	**17,368,177**	**18,389,911**	**18,698,422**	**14,453,787**	**17,358,668**	**75,947,855**	**7,873,888**	**4,446,502**	**76,228,557**	**345,191,629**

Allocation Percentages: Source Of Supply, CRA
Fiscal Year Ending 2020

		Functionalization	Allocation Percentages						% Total
			Fixed			Variable Commodity	Other	Hydroelectric	
			Demand	Commodity	Standby				
Departmental O&M									
Group	***Item***								
Office of General Manager		105,570	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Office of General Manager	Board of Directors	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Office of General Manager	Bay Delta Initiatives	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
External Affairs	Legislative Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
External Affairs	Media Communications Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
External Affairs	Manager, External Affairs/Special Projects	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
External Affairs	Conservation & Community Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Human Resources		260,309	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager	98,502	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager, Conveyance & Distribution Sectio	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager, Treatment Section	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager, Operations Support Services	46,623	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Operations Support Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Desert Region / C&D CRA	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	System Operations Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Power Operations and Planning	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Operations Planning & Programs Unit	926,203	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Jensen	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Diemer	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Mills	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Skinner	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Weymouth	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Water Quality Section	3,285,124	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	C&D, Eastern Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	C&D, Western Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	OSS, Manufacturing Services Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Environmental Health & Safety Section	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	OSS, Fleet Services Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	OSS, Power Support Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager, Operations & Planning Section	7,406	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Security Team & Security Management	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Office of the Chief Financial Officer		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Business Technology	Office of Manager	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Engineering Services		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Business Technology	Administrative Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Business Technology	Information Technology	874,228	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Resources Management	Resource Planning & Development	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Resources Management	Resource Implementation	3,671,366	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Resources Management	Office of the Group Manager	539,074	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Ethics Office		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Real Property		531,260	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
General Counsel		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
General Auditor		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Total Departmental O&M		10,345,663	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
GENERAL DISTRICT REQUIREMENTS									
State Water Project									
Supply - O&M		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Supply - Capital		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Power - O&M & Off-Aq Capital		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Power - Capital (less Off-Aq)		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Transmission - Capital - Commodity, Demand, & Standby		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Transmission - O&M - Commodity only		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
CA WaterFix - Capital		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Total State Water Project		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Colorado River Aqueduct Power Costs		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Supply Programs		24,971,426	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Demand Management Programs		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Local Resources Program		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Future Supply Actions		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Conservation Credits Program		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Total Demand Management Programs		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Capital Financing Program		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Revenue Bond Debt Service net of BABs Interest Subsidy Payment		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
G.O. Bond Debt Service		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Debt Administration & State Revolving Funds		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Bond Defeasance		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
PAYGO		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Total Capital Financing Program		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Other Operating Costs									
Operating Equipment		151,884	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
OPEB\PERS Pre-Funding		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Total Other Operating Costs		151,884	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Increase/(Decrease) in Required Reserves		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Total General District Requirements		25,123,310	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
REQUIREMENTS BEFORE OFFSETS:		35,468,973	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Revenue Offsets									
Taxes - MWD Portion of SWP GO Debt Service		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Taxes - MWD GO Debt Service		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Interest on Investments		354,339	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Hydro-Power Revenue		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
CRA Power Revenue		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Wadsworth Pumping Plant (DVL) Power Revenue (cost in dept)		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Misc. allocated to A&G (Lease, Late Fees, etc.)		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Misc. allocated to supply (PVID Lease, CVWD Revenues)		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Taxes - additional from fixed tax rate		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Revenue Reserve used for Revenue Bonds - I&P		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Annexation		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Total Revenue Offsets		354,339	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
NET REVENUE REQUIREMENTS:		35,114,634	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

Allocation of Revenue Requirements: Source Of Supply, CRA
Fiscal Year Ending 2020

		Functionalization	Allocation Percentages						Total
			Fixed			Variable	Other	Hydroelectric	
			Demand	Commodity	Standby	Commodity			
Departmental O&M									
Group	***Item***								
Office of General Manager		105,570	-	105,570	-	-	-	-	105,570
Office of General Manager	Board of Directors	-	-	-	-	-	-	-	-
Office of General Manager	Bay Delta Initiatives	-	-	-	-	-	-	-	-
External Affairs	Legislative Services	-	-	-	-	-	-	-	-
External Affairs	Media Communications Services	-	-	-	-	-	-	-	-
External Affairs	Manager, External Affairs/Special Projects	-	-	-	-	-	-	-	-
External Affairs	Conservation & Community Services	-	-	-	-	-	-	-	-
Human Resources		260,309	-	260,309	-	-	-	-	260,309
Water Systems Operations	Office of the Manager	98,502	-	98,502	-	-	-	-	98,502
Water Systems Operations	Office of the Manager, Conveyance & Distribution S	-	-	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Treatment Section	-	-	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Operations Support Services	46,623	-	46,623	-	-	-	-	46,623
Water Systems Operations	Operations Support Services	-	-	-	-	-	-	-	-
Water Systems Operations	Desert Region / C&D CRA	-	-	-	-	-	-	-	-
Water Systems Operations	System Operations Unit	-	-	-	-	-	-	-	-
Water Systems Operations	Power Operations and Planning	-	-	-	-	-	-	-	-
Water Systems Operations	Operations Planning & Programs Unit	926,203	-	926,203	-	-	-	-	926,203
Water Systems Operations	Treatment Jensen	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Diemer	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Mills	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Skinner	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Weymouth	-	-	-	-	-	-	-	-
Water Systems Operations	Water Quality Section	3,285,124	-	3,285,124	-	-	-	-	3,285,124
Water Systems Operations	C&D, Eastern Unit	-	-	-	-	-	-	-	-
Water Systems Operations	C&D, Western Unit	-	-	-	-	-	-	-	-
Water Systems Operations	OSS, Manufacturing Services Unit	-	-	-	-	-	-	-	-
Water Systems Operations	Environmental Health & Safety Section	-	-	-	-	-	-	-	-
Water Systems Operations	OSS, Fleet Services Unit	-	-	-	-	-	-	-	-
Water Systems Operations	OSS, Power Support Unit	-	-	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Operations & Planning Secti	7,406	-	7,406	-	-	-	-	7,406
Water Systems Operations	Security Team & Security Management	-	-	-	-	-	-	-	-
Office of the Chief Financial Office		-	-	-	-	-	-	-	-
Business Technology	Office of Manager	-	-	-	-	-	-	-	-
Engineering Services		-	-	-	-	-	-	-	-
Business Technology	Administrative Services	-	-	-	-	-	-	-	-
Business Technology	Information Technology	874,228	-	874,228	-	-	-	-	874,228
Water Resources Management	Resource Planning & Development	-	-	-	-	-	-	-	-
Water Resources Management	Resource Implementation	3,671,366	-	3,671,366	-	-	-	-	3,671,366
Water Resources Management	Office of the Group Manager	539,074	-	539,074	-	-	-	-	539,074
Ethics Office		-	-	-	-	-	-	-	-
Real Property		531,260	-	531,260	-	-	-	-	531,260
General Counsel		-	-	-	-	-	-	-	-
General Auditor		-	-	-	-	-	-	-	-
Total Departmental O&M	-	10,345,663	-	10,345,663	-	-	-	-	10,345,663
GENERAL DISTRICT REQUIREMENTS									
State Water Project		-	-	-	-	-	-	-	-
Supply - O&M		-	-	-	-	-	-	-	-
Supply - Capital		-	-	-	-	-	-	-	-
Power - O&M & Off-Aq Capital		-	-	-	-	-	-	-	-
Power - Capital (less Off-Aq)		-	-	-	-	-	-	-	-
Transmission - Capital - Commodity, Demand, & Standby		-	-	-	-	-	-	-	-
Transmission - O&M - Commodity only		-	-	-	-	-	-	-	-
CA WaterFix - Capital		-	-	-	-	-	-	-	-
Total State Water Project		-	-	-	-	-	-	-	-
Colorado River Aqueduct Power Costs		-	-	-	-	-	-	-	-
Supply Programs		24,971,426	-	24,971,426	-	-	-	-	24,971,426
Demand Management Programs		-	-	-	-	-	-	-	-
Local Resources Program		-	-	-	-	-	-	-	-
Future Supply Actions		-	-	-	-	-	-	-	-
Conservation Credits Program		-	-	-	-	-	-	-	-
Total Demand Management Programs		-	-	-	-	-	-	-	-
Capital Financing Program									
Revenue Bond Debt Service net of BABs Interest Subsidy Payment		-	-	-	-	-	-	-	-
G.O. Bond Debt Service		-	-	-	-	-	-	-	-
Debt Administration & State Revolving Funds		-	-	-	-	-	-	-	-
Bond Defeasance		-	-	-	-	-	-	-	-
PAYGO		-	-	-	-	-	-	-	-
Total Capital Financing Program		-	-	-	-	-	-	-	-
Other Operating Costs									
Operating Equipment		151,884	-	151,884	-	-	-	-	151,884
OPEB\PERS Pre-Funding		-	-	-	-	-	-	-	-
Total Other Operating Costs		151,884	-	151,884	-	-	-	-	151,884
Increase/(Decrease) in Required Reserves		-	-	-	-	-	-	-	-
Total General District Requirements		25,123,310	-	25,123,310	-	-	-	-	25,123,310
REQUIREMENTS BEFORE OFFSETS:		35,468,973	-	35,468,973	-	-	-	-	35,468,973
Revenue Offsets									
Taxes - MWD Portion of SWP GO Debt Service		-	-	-	-	-	-	-	-
Taxes - MWD GO Debt Service		-	-	-	-	-	-	-	-
Interest on Investments		354,339	-	354,339	-	-	-	-	354,339
Hydro-Power Revenue		-	-	-	-	-	-	-	-
CRA Power Revenue		-	-	-	-	-	-	-	-
Wadsworth Pumping Plant (DVL) Power Revenue (cost in dept)		-	-	-	-	-	-	-	-
Misc. allocated to A&G (Lease, Late Fees, etc.)		-	-	-	-	-	-	-	-
Misc. allocated to supply (PVID Lease, CVWD Revenues)		-	-	-	-	-	-	-	-
Taxes - additional from fixed tax rate		-	-	-	-	-	-	-	-
Revenue Reserve used for Revenue Bonds - I&P		-	-	-	-	-	-	-	-
Annexation		-	-	-	-	-	-	-	-
Total Revenue Offsets		354,339	-	354,339	-	-	-	-	354,339
NET REVENUE REQUIREMENTS:		35,114,634	-	35,114,634	-	-	-	-	35,114,634

Direct Labor used for A&G Allocation
Allocation of Revenue Requirements: Source Of Supply, CRA
Fiscal Year Ending 2020

		Functionalization	Allocation Percentages						Total	
			Fixed			Variable Commodity	Other	Hydroelectric		
			Demand	Commodity	Standby					check
Departmental O&M										
Group	***Item***									
Office of General Manager		96,542	-	96,542	-	-	-	-	96,542	-
Office of General Manager	Board of Directors	-	-	-	-	-	-	-	-	-
Office of General Manager	Bay Delta Initiatives	-	-	-	-	-	-	-	-	-
External Affairs	Legislative Services	-	-	-	-	-	-	-	-	-
External Affairs	Media Communications Services	-	-	-	-	-	-	-	-	-
External Affairs	Manager, External Affairs/Special Projects	-	-	-	-	-	-	-	-	-
External Affairs	Conservation & Community Services	-	-	-	-	-	-	-	-	-
Human Resources		210,834	-	210,834	-	-	-	-	210,834	-
Water Systems Operations	Office of the Manager	58,252	-	58,252	-	-	-	-	58,252	-
Water Systems Operations	Office of the Manager, Conveyance & Distribution Sec	-	-	-	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Treatment Section	-	-	-	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Operations Support Services	41,510	-	41,510	-	-	-	-	41,510	-
Water Systems Operations	Operations Support Services	-	-	-	-	-	-	-	-	-
Water Systems Operations	Desert Region / C&D CRA	-	-	-	-	-	-	-	-	-
Water Systems Operations	System Operations Unit	-	-	-	-	-	-	-	-	-
Water Systems Operations	Power Operations and Planning	-	-	-	-	-	-	-	-	-
Water Systems Operations	Operations Planning & Programs Unit	923,253	-	923,253	-	-	-	-	923,253	-
Water Systems Operations	Treatment Jensen	-	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Diemer	-	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Mills	-	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Skinner	-	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Weymouth	-	-	-	-	-	-	-	-	-
Water Systems Operations	Water Quality Section	2,665,994	-	2,665,994	-	-	-	-	2,665,994	-
Water Systems Operations	C&D, Eastern Unit	-	-	-	-	-	-	-	-	-
Water Systems Operations	C&D, Western Unit	-	-	-	-	-	-	-	-	-
Water Systems Operations	OSS, Manufacturing Services Unit	-	-	-	-	-	-	-	-	-
Water Systems Operations	Environmental Health & Safety Section	-	-	-	-	-	-	-	-	-
Water Systems Operations	OSS, Fleet Services Unit	-	-	-	-	-	-	-	-	-
Water Systems Operations	OSS, Power Support Unit	-	-	-	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Operations & Planning Section	7,500	-	7,500	-	-	-	-	7,500	-
Water Systems Operations	Security Team & Security Management	-	-	-	-	-	-	-	-	-
Office of the Chief Financial Officer		-	-	-	-	-	-	-	-	-
Business Technology	Office of Manager	-	-	-	-	-	-	-	-	-
Engineering Services		-	-	-	-	-	-	-	-	-
Business Technology	Administrative Services	-	-	-	-	-	-	-	-	-
Business Technology	Information Technology	621,688	-	621,688	-	-	-	-	621,688	-
Water Resources Management	Resource Planning & Development	-	-	-	-	-	-	-	-	-
Water Resources Management	Resource Implementation	2,130,349	-	2,130,349	-	-	-	-	2,130,349	-
Water Resources Management	Office of the Group Manager	537,621	-	537,621	-	-	-	-	537,621	-
Ethics Office		-	-	-	-	-	-	-	-	-
Real Property		244,325	-	244,325	-	-	-	-	244,325	-
General Counsel		-	-	-	-	-	-	-	-	-
General Auditor		-	-	-	-	-	-	-	-	-
Total Departmental O&M	-	7,537,868	-	7,537,868	-	-	-	-	7,537,868	-

Allocation Percentages: Source Of Supply, SWP
Fiscal Year Ending 2020

		Functionalization	Allocation Percentages						% Total
			Fixed			Variable Commodity	Other	Hydroelectric	
			Demand	Commodity	Standby				
Departmental O&M									
Group	***Item***								
Office of General Manager		119,944	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Office of General Manager	Board of Directors	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Office of General Manager	Bay Delta Initiatives	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
External Affairs	Legislative Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
External Affairs	Media Communications Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
External Affairs	Manager, External Affairs/Special Projects	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
External Affairs	Conservation & Community Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Human Resources		295,753	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager	98,502	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager, Conveyance & Distribution Section	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager, Treatment Section	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager, Operations Support Services	46,623	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Operations Support Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Desert Region / C&D CRA	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	System Operations Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Power Operations and Planning	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Operations Planning & Programs Unit	926,203	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Jensen	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Diemer	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Mills	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Skinner	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Weymouth	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Water Quality Section	3,285,124	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	C&D, Eastern Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	C&D, Western Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	OSS, Manufacturing Services Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Environmental Health & Safety Section	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	OSS, Fleet Services Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	OSS, Power Support Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager, Operations & Planning Section	7,406	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Security Team & Security Management	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Office of the Chief Financial Officer		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Business Technology	Office of Manager	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Engineering Services		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Business Technology	Administrative Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Business Technology	Information Technology	993,265	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Resources Management	Resource Planning & Development	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Resources Management	Resource Implementation	4,415,561	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Resources Management	Office of the Group Manager	648,346	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Ethics Office		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Real Property		917,630	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
General Counsel		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
General Auditor		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Total Departmental O&M		11,754,358	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
GENERAL DISTRICT REQUIREMENTS									
State Water Project									
Supply - O&M		96,219,185	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Supply - Capital		38,745,558	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Power - O&M & Off-Aq Capital		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Power - Capital (less Off-Aq)		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Transmission - Capital - Commodity, Demand, & Standby		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Transmission - O&M - Commodity only		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
CA WaterFix - Capital		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Total State Water Project		134,964,743	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Colorado River Aqueduct Power Costs		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Supply Programs		27,813,803	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Demand Management Programs		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Local Resources Program		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Future Supply Actions		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Conservation Credits Program		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Total Demand Management Programs		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Capital Financing Program		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Revenue Bond Debt Service net of BABs Interest Subsidy Payment		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
G.O. Bond Debt Service		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Debt Administration & State Revolving Funds		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Bond Defeasance		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
PAYGO		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Total Capital Financing Program		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Other Operating Costs									
Operating Equipment		168,910	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
OPEB\PERS Pre-Funding		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Total Other Operating Costs		168,910	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Increase/(Decrease) in Required Reserves		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Total General District Requirements		162,947,456	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
REQUIREMENTS BEFORE OFFSETS:		174,701,814	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Revenue Offsets									
Taxes - MWD Portion of SWP GO Debt Service		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Taxes - MWD GO Debt Service		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Interest on Investments		1,745,289	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Hydro-Power Revenue		-	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	100.0%
CRA Power Revenue		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Wadsworth Pumping Plant (DVL) Power Revenue (cost in dept)		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Misc. allocated to A&G (Lease, Late Fees, etc.)		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Misc. allocated to supply (PVID Lease, CVWD Revenues)		9,457,519	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Taxes - additional from fixed tax rate		25,092,872	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Revenue Reserve used for Revenue Bonds - I&P		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Annexation		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Total Revenue Offsets		36,295,680	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
NET REVENUE REQUIREMENTS:	-	138,406,134	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

Allocation of Revenue Requirements: Source Of Supply, SWP
Fiscal Year Ending 2020

		Functionalization	Allocation Percentages						Total
			Fixed			Variable Commodity	Other	Hydroelectric	
			Demand	Commodity	Standby				
Departmental O&M									
Group	***Item***								
Office of General Manager		119,944	-	119,944	-	-	-	-	119,944
Office of General Manager	Board of Directors	-	-	-	-	-	-	-	-
Office of General Manager	Bay Delta Initiatives	-	-	-	-	-	-	-	-
External Affairs	Legislative Services	-	-	-	-	-	-	-	-
External Affairs	Media Communications Services	-	-	-	-	-	-	-	-
External Affairs	Manager, External Affairs/Special Projects	-	-	-	-	-	-	-	-
External Affairs	Conservation & Community Services	-	-	-	-	-	-	-	-
Human Resources		295,753	-	295,753	-	-	-	-	295,753
Water Systems Operations	Office of the Manager	98,502	-	98,502	-	-	-	-	98,502
Water Systems Operations	Office of the Manager, Conveyance & Distribution S	-	-	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Treatment Section	-	-	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Operations Support Service	46,623	-	46,623	-	-	-	-	46,623
Water Systems Operations	Operations Support Services	-	-	-	-	-	-	-	-
Water Systems Operations	Desert Region / C&D CRA	-	-	-	-	-	-	-	-
Water Systems Operations	System Operations Unit	-	-	-	-	-	-	-	-
Water Systems Operations	Power Operations and Planning	-	-	-	-	-	-	-	-
Water Systems Operations	Operations Planning & Programs Unit	926,203	-	926,203	-	-	-	-	926,203
Water Systems Operations	Treatment Jensen	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Diemer	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Mills	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Skinner	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Weymouth	-	-	-	-	-	-	-	-
Water Systems Operations	Water Quality Section	3,285,124	-	3,285,124	-	-	-	-	3,285,124
Water Systems Operations	C&D, Eastern Unit	-	-	-	-	-	-	-	-
Water Systems Operations	C&D, Western Unit	-	-	-	-	-	-	-	-
Water Systems Operations	OSS, Manufacturing Services Unit	-	-	-	-	-	-	-	-
Water Systems Operations	Environmental Health & Safety Section	-	-	-	-	-	-	-	-
Water Systems Operations	OSS, Fleet Services Unit	-	-	-	-	-	-	-	-
Water Systems Operations	OSS, Power Support Unit	-	-	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Operations & Planning Secti	7,406	-	7,406	-	-	-	-	7,406
Water Systems Operations	Security Team & Security Management	-	-	-	-	-	-	-	-
Office of the Chief Financial O		-	-	-	-	-	-	-	-
Business Technology	Office of Manager	-	-	-	-	-	-	-	-
Engineering Services		-	-	-	-	-	-	-	-
Business Technology	Administrative Services	-	-	-	-	-	-	-	-
Business Technology	Information Technology	993,265	-	993,265	-	-	-	-	993,265
Water Resources Managemen	Resource Planning & Development	-	-	-	-	-	-	-	-
Water Resources Managemen	Resource Implementation	4,415,561	-	4,415,561	-	-	-	-	4,415,561
Water Resources Managemen	Office of the Group Manager	648,346	-	648,346	-	-	-	-	648,346
Ethics Office		-	-	-	-	-	-	-	-
Real Property		917,630	-	917,630	-	-	-	-	917,630
General Counsel		-	-	-	-	-	-	-	-
General Auditor		-	-	-	-	-	-	-	-
Total Departmental O&M	-	11,754,358	-	11,754,358	-	-	-	-	11,754,358
		-							-
GENERAL DISTRICT REQUIREMENTS		-	-	-	-	-	-	-	-
		-							-
State Water Project		-	-	-	-	-	-	-	-
Supply - O&M		96,219,185	-	96,219,185	-	-	-	-	96,219,185
Supply - Capital		38,745,558	-	38,745,558	-	-	-	-	38,745,558
Power - O&M & Off-Aq Capital		-	-	-	-	-	-	-	-
Power - Capital (less Off-Aq)		-	-	-	-	-	-	-	-
Transmission - Capital - Commodity, Demand, & Standby		-	-	-	-	-	-	-	-
Transmission - O&M - Commodity only		-	-	-	-	-	-	-	-
CA WaterFix - Capital		-	-	-	-	-	-	-	-
Total State Water Project		134,964,743	-	134,964,743	-	-	-	-	134,964,743
		-							-
Colorado River Aqueduct Power Costs		-	-	-	-	-	-	-	-
		-							-
Supply Programs		27,813,803	-	27,813,803	-	-	-	-	27,813,803
									-
Demand Management Programs		-	-	-	-	-	-	-	-
Local Resources Program		-	-	-	-	-	-	-	-
Future Supply Actions		-	-	-	-	-	-	-	-
Conservation Credits Program		-	-	-	-	-	-	-	-
Total Demand Management Programs		-	-	-	-	-	-	-	-
Capital Financing Program		-	-	-	-	-	-	-	-
Revenue Bond Debt Service net of BABs Interest Subsidy Payment		-	-	-	-	-	-	-	-
G.O. Bond Debt Service		-	-	-	-	-	-	-	-
Debt Administration & State Revolving Funds		-	-	-	-	-	-	-	-
Bond Defeasance		-	-	-	-	-	-	-	-
PAYGO		-	-	-	-	-	-	-	-
Total Capital Financing Program		-	-	-	-	-	-	-	-
Other Operating Costs		-	-	-	-	-	-	-	-
Operating Equipment		168,910	-	168,910	-	-	-	-	168,910
OPEB\PERS Pre-Funding		-	-	-	-	-	-	-	-
Total Other Operating Costs		168,910	-	168,910	-	-	-	-	168,910
Increase/(Decrease) in Required Reserves		-	-	-	-	-	-	-	-
Total General District Requirements		162,947,456	-	162,947,456	-	-	-	-	162,947,456
REQUIREMENTS BEFORE OFFSETS:		174,701,814	-	174,701,814	-	-	-	-	174,701,814
Revenue Offsets									
Taxes - MWD Portion of SWP GO Debt Service		-	-	-	-	-	-	-	-
Taxes - MWD GO Debt Service		-	-	-	-	-	-	-	-
Interest on Investments		1,745,289	-	1,745,289	-	-	-	-	1,745,289
Hydro-Power Revenue		-	-	-	-	-	-	-	-
CRA Power Revenue		-	-	-	-	-	-	-	-
Wadsworth Pumping Plant (DVL) Power Revenue (cost in dept)		-	-	-	-	-	-	-	-
Misc. allocated to A&G (Lease, Late Fees, etc.)		-	-	-	-	-	-	-	-
Misc. allocated to supply (PVID Lease, CVWD Revenues)		9,457,519	-	9,457,519	-	-	-	-	9,457,519
Taxes - additional from fixed tax rate		25,092,872	-	25,092,872	-	-	-	-	25,092,872
Revenue Reserve used for Revenue Bonds - I&P		-	-	-	-	-	-	-	-
Annexation		-	-	-	-	-	-	-	-
Total Revenue Offsets		36,295,680	-	36,295,680	-	-	-	-	36,295,680
NET REVENUE REQUIREMENTS:		138,406,134	-	138,406,134	-	-	-	-	138,406,134

Direct Labor used for A&G Allocation
Allocation of Revenue Requirements: Source Of Supply, SWP
Fiscal Year Ending 2020

		Functionalization	Allocation Percentages						Total
			Fixed			Variable Commodity	Other	Hydroelectric	
			Demand	Commodity	Standby				
Departmental O&M									
Group	***Item***								
Office of General Manager		109,687	-	109,687	-	-	-	-	109,687
Office of General Manager	Board of Directors	-	-	-	-	-	-	-	-
Office of General Manager	Bay Delta Initiatives	-	-	-	-	-	-	-	-
External Affairs	Legislative Services	-	-	-	-	-	-	-	-
External Affairs	Media Communications Services	-	-	-	-	-	-	-	-
External Affairs	Manager, External Affairs/Special Projects	-	-	-	-	-	-	-	-
External Affairs	Conservation & Community Services	-	-	-	-	-	-	-	-
Human Resources		239,542	-	239,542	-	-	-	-	239,542
Water Systems Operations	Office of the Manager	58,252	-	58,252	-	-	-	-	58,252
Water Systems Operations	Office of the Manager, Conveyance & Distribution Section	-	-	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Treatment Section	-	-	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Operations Support Services	41,510	-	41,510	-	-	-	-	41,510
Water Systems Operations	Operations Support Services	-	-	-	-	-	-	-	-
Water Systems Operations	Desert Region / C&D CRA	-	-	-	-	-	-	-	-
Water Systems Operations	System Operations Unit	-	-	-	-	-	-	-	-
Water Systems Operations	Power Operations and Planning	-	-	-	-	-	-	-	-
Water Systems Operations	Operations Planning & Programs Unit	923,253	-	923,253	-	-	-	-	923,253
Water Systems Operations	Treatment Jensen	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Diemer	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Mills	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Skinner	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Weymouth	-	-	-	-	-	-	-	-
Water Systems Operations	Water Quality Section	2,665,994	-	2,665,994	-	-	-	-	2,665,994
Water Systems Operations	C&D, Eastern Unit	-	-	-	-	-	-	-	-
Water Systems Operations	C&D, Western Unit	-	-	-	-	-	-	-	-
Water Systems Operations	OSS, Manufacturing Services Unit	-	-	-	-	-	-	-	-
Water Systems Operations	Environmental Health & Safety Section	-	-	-	-	-	-	-	-
Water Systems Operations	OSS, Fleet Services Unit	-	-	-	-	-	-	-	-
Water Systems Operations	OSS, Power Support Unit	-	-	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Operations & Planning Section	7,500	-	7,500	-	-	-	-	7,500
Water Systems Operations	Security Team & Security Management	-	-	-	-	-	-	-	-
Office of the Chief Financial O		-	-	-	-	-	-	-	-
Business Technology	Office of Manager	-	-	-	-	-	-	-	-
Engineering Services		-	-	-	-	-	-	-	-
Business Technology	Administrative Services	-	-	-	-	-	-	-	-
Business Technology	Information Technology	706,339	-	706,339	-	-	-	-	706,339
Water Resources Managemen	Resource Planning & Development	-	-	-	-	-	-	-	-
Water Resources Managemen	Resource Implementation	2,562,176	-	2,562,176	-	-	-	-	2,562,176
Water Resources Managemen	Office of the Group Manager	646,598	-	646,598	-	-	-	-	646,598
Ethics Office		-	-	-	-	-	-	-	-
Real Property		422,015	-	422,015	-	-	-	-	422,015
General Counsel		-	-	-	-	-	-	-	-
General Auditor		-	-	-	-	-	-	-	-
Total Departmental O&M	-	8,382,867	-	8,382,867	-	-	-	-	8,382,867

Allocation Percentages: Source Of Supply - Other Supply
Fiscal Year Ending 2020

		Functionalization	Allocation Percentages						% Total
			Fixed			Variable Commodity	Other	Hydroelectric	
			Demand	Commodity	Standby				
Departmental O&M									
Group	***Item***								
Office of General Manager		130,278	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Office of General Manager	Board of Directors	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Office of General Manager	Bay Delta Initiatives	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
External Affairs	Legislative Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
External Affairs	Media Communications Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
External Affairs	Manager, External Affairs/Special Projects	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
External Affairs	Conservation & Community Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Human Resources		321,235	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager	100,825	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager, Conveyance & Distribution Section	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager, Treatment Section	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager, Operations Support Services	47,722	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Operations Support Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Desert Region / C&D CRA	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	System Operations Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Power Operations and Planning	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Operations Planning & Programs Unit	926,203	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Jensen	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Diemer	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Mills	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Skinner	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Weymouth	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Water Quality Section	3,285,124	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	C&D, Eastern Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	C&D, Western Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	OSS, Manufacturing Services Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Environmental Health & Safety Section	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	OSS, Fleet Services Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	OSS, Power Support Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager, Operations & Planning Section	7,581	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Security Team & Security Management	427,378	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Office of the Chief Financial Officer		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Business Technology	Office of Manager	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Engineering Services		1,469,656	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Business Technology	Administrative Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Business Technology	Information Technology	1,078,842	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Resources Management	Resource Planning & Development	2,896,849	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Resources Management	Resource Implementation	1,438,778	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Resources Management	Office of the Group Manager	636,609	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Ethics Office		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Real Property		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
General Counsel		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
General Auditor		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Total Departmental O&M		12,767,080	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
GENERAL DISTRICT REQUIREMENTS									
State Water Project									
Supply - O&M		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Supply - Capital		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Power - O&M & Off-Aq Capital		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Power - Capital (less Off-Aq)		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Transmission - Capital - Commodity, Demand, & Standby		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Transmission - O&M - Commodity only		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
CA WaterFix - Capital		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Total State Water Project		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Colorado River Aqueduct Power Costs		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Supply Programs		1,608,280	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Demand Management Programs		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Local Resources Program		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Future Supply Actions		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Conservation Credits Program		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Total Demand Management Programs		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Capital Financing Program		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Revenue Bond Debt Service net of BABs Interest Subsidy Payment		12,385,534	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
G.O. Bond Debt Service		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Debt Administration & State Revolving Funds		277,633	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Bond Defeasance		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
PAYGO		4,800,000	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Total Capital Financing Program		17,463,168	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Other Operating Costs									
Operating Equipment		209,710	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
OPEB\PERS Pre-Funding		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Total Other Operating Costs		209,710	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Increase/(Decrease) in Required Reserves		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Total General District Requirements		19,281,157	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
REQUIREMENTS BEFORE OFFSETS:		32,048,237	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Revenue Offsets									
Taxes - MWD Portion of SWP GO Debt Service		-	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Taxes - MWD GO Debt Service		-	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Interest on Investments		320,165	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Hydro-Power Revenue		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
CRA Power Revenue		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Wadsworth Pumping Plant (DVL) Power Revenue (cost in dept)		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Misc. allocated to A&G (Lease, Late Fees, etc.)		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Misc. allocated to supply (PVID Lease, CVWD Revenues)		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Taxes - additional from fixed tax rate		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Revenue Reserve used for Revenue Bonds - I&P		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Annexation		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Total Revenue Offsets		320,165	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
NET REVENUE REQUIREMENTS:	-	31,728,072	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

Allocation of Revenue Requirements: Source Of Supply - Other Supply
Fiscal Year Ending 2020

		Functionalization	Allocation Percentages						Total
			Fixed			Variable Commodity	Other	Hydroelectric	
			Demand	Commodity	Standby				
Departmental O&M									
Group	***Item***								
Office of General Manager		130,278	-	130,278	-	-	-	-	130,278
Office of General Manager	Board of Directors	-	-	-	-	-	-	-	-
Office of General Manager	Bay Delta Initiatives	-	-	-	-	-	-	-	-
External Affairs	Legislative Services	-	-	-	-	-	-	-	-
External Affairs	Media Communications Services	-	-	-	-	-	-	-	-
External Affairs	Manager, External Affairs/Special Projects	-	-	-	-	-	-	-	-
External Affairs	Conservation & Community Services	-	-	-	-	-	-	-	-
Human Resources		321,235	-	321,235	-	-	-	-	321,235
Water Systems Operations	Office of the Manager	100,825	-	100,825	-	-	-	-	100,825
Water Systems Operations	Office of the Manager, Conveyance & Distribution S	-	-	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Treatment Section	-	-	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Operations Support Service	47,722	-	47,722	-	-	-	-	47,722
Water Systems Operations	Operations Support Services	-	-	-	-	-	-	-	-
Water Systems Operations	Desert Region / C&D CRA	-	-	-	-	-	-	-	-
Water Systems Operations	System Operations Unit	-	-	-	-	-	-	-	-
Water Systems Operations	Power Operations and Planning	-	-	-	-	-	-	-	-
Water Systems Operations	Operations Planning & Programs Unit	926,203	-	926,203	-	-	-	-	926,203
Water Systems Operations	Treatment Jensen	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Diemer	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Mills	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Skinner	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Weymouth	-	-	-	-	-	-	-	-
Water Systems Operations	Water Quality Section	3,285,124	-	3,285,124	-	-	-	-	3,285,124
Water Systems Operations	C&D, Eastern Unit	-	-	-	-	-	-	-	-
Water Systems Operations	C&D, Western Unit	-	-	-	-	-	-	-	-
Water Systems Operations	OSS, Manufacturing Services Unit	-	-	-	-	-	-	-	-
Water Systems Operations	Environmental Health & Safety Section	-	-	-	-	-	-	-	-
Water Systems Operations	OSS, Fleet Services Unit	-	-	-	-	-	-	-	-
Water Systems Operations	OSS, Power Support Unit	-	-	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Operations & Planning Secti	7,581	-	7,581	-	-	-	-	7,581
Water Systems Operations	Security Team & Security Management	427,378	-	427,378	-	-	-	-	427,378
Office of the Chief Financial O		-	-	-	-	-	-	-	-
Business Technology	Office of Manager	-	-	-	-	-	-	-	-
Engineering Services		1,469,656	-	1,469,656	-	-	-	-	1,469,656
Business Technology	Administrative Services	-	-	-	-	-	-	-	-
Business Technology	Information Technology	1,078,842	-	1,078,842	-	-	-	-	1,078,842
Water Resources Managemen	Resource Planning & Development	2,896,849	-	2,896,849	-	-	-	-	2,896,849
Water Resources Managemen	Resource Implementation	1,438,778	-	1,438,778	-	-	-	-	1,438,778
Water Resources Managemen	Office of the Group Manager	636,609	-	636,609	-	-	-	-	636,609
Ethics Office		-	-	-	-	-	-	-	-
Real Property		-	-	-	-	-	-	-	-
General Counsel		-	-	-	-	-	-	-	-
General Auditor		-	-	-	-	-	-	-	-
Total Departmental O&M	-	12,767,080	-	12,767,080	-	-	-	-	12,767,080
		-							-
GENERAL DISTRICT REQUIREMENTS		-	-	-	-	-	-	-	-
		-							-
State Water Project		-	-	-	-	-	-	-	-
Supply - O&M		-	-	-	-	-	-	-	-
Supply - Capital		-	-	-	-	-	-	-	-
Power - O&M & Off-Aq Capital		-	-	-	-	-	-	-	-
Power - Capital (less Off-Aq)		-	-	-	-	-	-	-	-
Transmission - Capital - Commodity, Demand, & Standby		-	-	-	-	-	-	-	-
Transmission - O&M - Commodity only		-	-	-	-	-	-	-	-
CA WaterFix - Capital		-	-	-	-	-	-	-	-
Total State Water Project		-	-	-	-	-	-	-	-
		-							-
Colorado River Aqueduct Power Costs		-	-	-	-	-	-	-	-
		-							-
Supply Programs		1,608,280	-	1,608,280	-	-	-	-	1,608,280
									-
Demand Management Programs		-	-	-	-	-	-	-	-
Local Resources Program		-	-	-	-	-	-	-	-
Future Supply Actions		-	-	-	-	-	-	-	-
Conservation Credits Program		-	-	-	-	-	-	-	-
Total Demand Management Programs		-	-	-	-	-	-	-	-
Capital Financing Program		-	-	-	-	-	-	-	-
Revenue Bond Debt Service net of BABs Interest Subsidy Payment		12,385,534	-	12,385,534	-	-	-	-	12,385,534
G.O. Bond Debt Service		-	-	-	-	-	-	-	-
Debt Administration & State Revolving Funds		277,633	-	277,633	-	-	-	-	277,633
Bond Defeasance		-	-	-	-	-	-	-	-
PAYGO		4,800,000	-	4,800,000	-	-	-	-	4,800,000
Total Capital Financing Program		17,463,168	-	17,463,168	-	-	-	-	17,463,168
Other Operating Costs		-	-	-	-	-	-	-	-
Operating Equipment		209,710	-	209,710	-	-	-	-	209,710
OPEB\PERS Pre-Funding		-	-	-	-	-	-	-	-
Total Other Operating Costs		209,710	-	209,710	-	-	-	-	209,710
Increase/(Decrease) in Required Reserves		-	-	-	-	-	-	-	-
Total General District Requirements		19,281,157	-	19,281,157	-	-	-	-	19,281,157
REQUIREMENTS BEFORE OFFSETS:		32,048,237	-	32,048,237	-	-	-	-	32,048,237
Revenue Offsets									
Taxes - MWD Portion of SWP GO Debt Service		-	-	-	-	-	-	-	-
Taxes - MWD GO Debt Service		-	-	-	-	-	-	-	-
Interest on Investments		320,165	-	320,165	-	-	-	-	320,165
Hydro-Power Revenue		-	-	-	-	-	-	-	-
CRA Power Revenue		-	-	-	-	-	-	-	-
Wadsworth Pumping Plant (DVL) Power Revenue (cost in dept)		-	-	-	-	-	-	-	-
Misc. allocated to A&G (Lease, Late Fees, etc.)		-	-	-	-	-	-	-	-
Misc. allocated to supply (PVID Lease, CVWD Revenues)		-	-	-	-	-	-	-	-
Taxes - additional from fixed tax rate		-	-	-	-	-	-	-	-
Revenue Reserve used for Revenue Bonds - I&P		-	-	-	-	-	-	-	-
Annexation		-	-	-	-	-	-	-	-
Total Revenue Offsets		320,165	-	320,165	-	-	-	-	320,165
NET REVENUE REQUIREMENTS:		31,728,072	-	31,728,072	-	-	-	-	31,728,072

Direct Labor used for A&G Allocation
Allocation of Revenue Requirements: Source Of Supply - Other Supply
Fiscal Year Ending 2020

		Functionalization	Allocation Percentages						Total
			Fixed			Variable Commodity	Other	Hydroelectric	
			Demand	Commodity	Standby				
Departmental O&M									
Group	***Item***								
Office of General Manager		119,137	-	119,137	-	-	-	-	119,137
Office of General Manager	Board of Directors	-	-	-	-	-	-	-	-
Office of General Manager	Bay Delta Initiatives	-	-	-	-	-	-	-	-
External Affairs	Legislative Services	-	-	-	-	-	-	-	-
External Affairs	Media Communications Services	-	-	-	-	-	-	-	-
External Affairs	Manager, External Affairs/Special Projects	-	-	-	-	-	-	-	-
External Affairs	Conservation & Community Services	-	-	-	-	-	-	-	-
Human Resources		260,180	-	260,180	-	-	-	-	260,180
Water Systems Operations	Office of the Manager	59,626	-	59,626	-	-	-	-	59,626
Water Systems Operations	Office of the Manager, Conveyance & Distribution Section	-	-	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Treatment Section	-	-	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Operations Support Services	42,489	-	42,489	-	-	-	-	42,489
Water Systems Operations	Operations Support Services	-	-	-	-	-	-	-	-
Water Systems Operations	Desert Region / C&D CRA	-	-	-	-	-	-	-	-
Water Systems Operations	System Operations Unit	-	-	-	-	-	-	-	-
Water Systems Operations	Power Operations and Planning	-	-	-	-	-	-	-	-
Water Systems Operations	Operations Planning & Programs Unit	923,253	-	923,253	-	-	-	-	923,253
Water Systems Operations	Treatment Jensen	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Diemer	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Mills	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Skinner	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Weymouth	-	-	-	-	-	-	-	-
Water Systems Operations	Water Quality Section	2,665,994	-	2,665,994	-	-	-	-	2,665,994
Water Systems Operations	C&D, Eastern Unit	-	-	-	-	-	-	-	-
Water Systems Operations	C&D, Western Unit	-	-	-	-	-	-	-	-
Water Systems Operations	OSS, Manufacturing Services Unit	-	-	-	-	-	-	-	-
Water Systems Operations	Environmental Health & Safety Section	-	-	-	-	-	-	-	-
Water Systems Operations	OSS, Fleet Services Unit	-	-	-	-	-	-	-	-
Water Systems Operations	OSS, Power Support Unit	-	-	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Operations & Planning Section	7,677	-	7,677	-	-	-	-	7,677
Water Systems Operations	Security Team & Security Management	84,659	-	84,659	-	-	-	-	84,659
Office of the Chief Financial Of		-	-	-	-	-	-	-	-
Business Technology	Office of Manager	-	-	-	-	-	-	-	-
Engineering Services		1,350,551	-	1,350,551	-	-	-	-	1,350,551
Business Technology	Administrative Services	-	-	-	-	-	-	-	-
Business Technology	Information Technology	767,195	-	767,195	-	-	-	-	767,195
Water Resources Managemen	Resource Planning & Development	2,657,217	-	2,657,217	-	-	-	-	2,657,217
Water Resources Managemen	Resource Implementation	834,866	-	834,866	-	-	-	-	834,866
Water Resources Managemen	Office of the Group Manager	634,893	-	634,893	-	-	-	-	634,893
Ethics Office		-	-	-	-	-	-	-	-
Real Property		-	-	-	-	-	-	-	-
General Counsel		-	-	-	-	-	-	-	-
General Auditor		-	-	-	-	-	-	-	-
Total Departmental O&M	-	10,407,738	-	10,407,738	-	-	-	-	10,407,738

Allocation Percentages: C&A, CRA Power
Fiscal Year Ending 2020

		Functionalization	Allocation Percentages						% Total
			Fixed			Variable	Other	Hydroelectric	
			Demand	Commodity	Standby	Commodity			
Departmental O&M									
Group	***Item***								
Office of General Manager		50,488	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Office of General Manager	Board of Directors	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Office of General Manager	Bay Delta Initiatives	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
External Affairs	Legislative Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
External Affairs	Media Communications Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
External Affairs	Manager, External Affairs/Special Projects	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
External Affairs	Conservation & Community Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Human Resources		124,490	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager	89,866	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager, Conveyance & Distribution Section	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager, Treatment Section	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager, Operations Support Services	42,535	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Operations Support Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Desert Region / C&D CRA	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	System Operations Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Power Operations and Planning	3,323,425	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Operations Planning & Programs Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Jensen	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Diemer	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Mills	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Skinner	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Weymouth	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Water Quality Section	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	C&D, Eastern Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	C&D, Western Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	OSS, Manufacturing Services Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Environmental Health & Safety Section	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	OSS, Fleet Services Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	OSS, Power Support Unit	180,677	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager, Operations & Planning Section	6,757	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Security Team & Security Management	160,267	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Office of the Chief Financial Officer		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Business Technology	Office of Manager	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Engineering Services		551,121	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Business Technology	Administrative Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Business Technology	Information Technology	418,091	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Resources Management	Resource Planning & Development	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Resources Management	Resource Implementation	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Resources Management	Office of the Group Manager	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Ethics Office		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Real Property		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
General Counsel		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
General Auditor		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Total Departmental O&M		4,947,717	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
GENERAL DISTRICT REQUIREMENTS									
State Water Project									
Supply - O&M		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Supply - Capital		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Power - O&M & Off-Aq Capital		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Power - Capital (less Off-Aq)		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Transmission - Capital - Commodity, Demand, & Standby		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Transmission - O&M - Commodity only		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
CA WaterFix - Capital		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Total State Water Project		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Colorado River Aqueduct Power Costs		52,947,173	0.0%	0.0%	0.0%	100.0%	0.0%	0.0%	100.0%
Supply Programs		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Demand Management Programs		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Local Resources Program		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Future Supply Actions		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Conservation Credits Program		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Total Demand Management Programs		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Capital Financing Program		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Revenue Bond Debt Service net of BABs Interest Subsidy Payment		4,644,575	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
G.O. Bond Debt Service		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Debt Administration & State Revolving Funds		104,113	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Bond Defeasance		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
PAYGO		1,800,000	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Total Capital Financing Program		6,548,688	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Other Operating Costs									
Operating Equipment		87,110	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
OPEB\PERS Pre-Funding		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Total Other Operating Costs		87,110	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Increase/(Decrease) in Required Reserves		-	0.0%	11.1%	0.0%	88.9%	0.0%	0.0%	100.0%
Total General District Requirements		59,582,971	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
REQUIREMENTS BEFORE OFFSETS:		64,530,688	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Revenue Offsets									
Taxes - MWD Portion of SWP GO Debt Service		-	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Taxes - MWD GO Debt Service		-	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Interest on Investments		644,668	0.0%	0.0%	0.0%	100.0%	0.0%	0.0%	100.0%
Hydro-Power Revenue		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
CRA Power Revenue		3,283,614	0.0%	0.0%	0.0%	100.0%	0.0%	0.0%	100.0%
Wadsworth Pumping Plant (DVL) Power Revenue (cost in dept)		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Misc. allocated to A&G (Lease, Late Fees, etc.)		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Misc. allocated to supply (PVID Lease, CVWD Revenues)		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Taxes - additional from fixed tax rate		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Revenue Reserve used for Revenue Bonds - I&P		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Annexation		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Total Revenue Offsets		3,928,282	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
NET REVENUE REQUIREMENTS:	-	60,602,405	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

Allocation of Revenue Requirements: C&A, CRA Power
Fiscal Year Ending 2020

		Functionalization	Allocation Percentages						Total
			Fixed			Variable Commodity	Other	Hydroelectric	
			Demand	Commodity	Standby				
Departmental O&M									
Group	***Item***								
Office of General Manager		50,488	-	50,488	-	-	-	-	50,488
Office of General Manager	Board of Directors	-	-	-	-	-	-	-	-
Office of General Manager	Bay Delta Initiatives	-	-	-	-	-	-	-	-
External Affairs	Legislative Services	-	-	-	-	-	-	-	-
External Affairs	Media Communications Services	-	-	-	-	-	-	-	-
External Affairs	Manager, External Affairs/Special Projects	-	-	-	-	-	-	-	-
External Affairs	Conservation & Community Services	-	-	-	-	-	-	-	-
Human Resources		124,490	-	124,490	-	-	-	-	124,490
Water Systems Operations	Office of the Manager	89,866	-	89,866	-	-	-	-	89,866
Water Systems Operations	Office of the Manager, Conveyance & Distribution S	-	-	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Treatment Section	-	-	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Operations Support Service	42,535	-	42,535	-	-	-	-	42,535
Water Systems Operations	Operations Support Services	-	-	-	-	-	-	-	-
Water Systems Operations	Desert Region / C&D CRA	-	-	-	-	-	-	-	-
Water Systems Operations	System Operations Unit	-	-	-	-	-	-	-	-
Water Systems Operations	Power Operations and Planning	3,323,425	-	3,323,425	-	-	-	-	3,323,425
Water Systems Operations	Operations Planning & Programs Unit	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Jensen	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Diemer	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Mills	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Skinner	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Weymouth	-	-	-	-	-	-	-	-
Water Systems Operations	Water Quality Section	-	-	-	-	-	-	-	-
Water Systems Operations	C&D, Eastern Unit	-	-	-	-	-	-	-	-
Water Systems Operations	C&D, Western Unit	-	-	-	-	-	-	-	-
Water Systems Operations	OSS, Manufacturing Services Unit	-	-	-	-	-	-	-	-
Water Systems Operations	Environmental Health & Safety Section	-	-	-	-	-	-	-	-
Water Systems Operations	OSS, Fleet Services Unit	-	-	-	-	-	-	-	-
Water Systems Operations	OSS, Power Support Unit	180,677	-	180,677	-	-	-	-	180,677
Water Systems Operations	Office of the Manager, Operations & Planning Secti	6,757	-	6,757	-	-	-	-	6,757
Water Systems Operations	Security Team & Security Management	160,267	-	160,267	-	-	-	-	160,267
Office of the Chief Financial O		-	-	-	-	-	-	-	-
Business Technology	Office of Manager	-	-	-	-	-	-	-	-
Engineering Services		551,121	-	551,121	-	-	-	-	551,121
Business Technology	Administrative Services	-	-	-	-	-	-	-	-
Business Technology	Information Technology	418,091	-	418,091	-	-	-	-	418,091
Water Resources Managemen	Resource Planning & Development	-	-	-	-	-	-	-	-
Water Resources Managemen	Resource Implementation	-	-	-	-	-	-	-	-
Water Resources Managemen	Office of the Group Manager	-	-	-	-	-	-	-	-
Ethics Office		-	-	-	-	-	-	-	-
Real Property		-	-	-	-	-	-	-	-
General Counsel		-	-	-	-	-	-	-	-
General Auditor		-	-	-	-	-	-	-	-
Total Departmental O&M	-	4,947,717	-	4,947,717	-	-	-	-	4,947,717
		-							-
GENERAL DISTRICT REQUIREMENTS		-	-	-	-	-	-	-	-
		-							-
State Water Project		-	-	-	-	-	-	-	-
Supply - O&M		-	-	-	-	-	-	-	-
Supply - Capital		-	-	-	-	-	-	-	-
Power - O&M & Off-Aq Capital		-	-	-	-	-	-	-	-
Power - Capital (less Off-Aq)		-	-	-	-	-	-	-	-
Transmission - Capital - Commodity, Demand, & Standby		-	-	-	-	-	-	-	-
Transmission - O&M - Commodity only		-	-	-	-	-	-	-	-
CA WaterFix - Capital		-	-	-	-	-	-	-	-
Total State Water Project		-	-	-	-	-	-	-	-
		-							-
Colorado River Aqueduct Power Costs		52,947,173	-	-	-	52,947,173	-	-	52,947,173
		-							-
Supply Programs		-	-	-	-	-	-	-	-
									-
Demand Management Programs		-	-	-	-	-	-	-	-
Local Resources Program		-	-	-	-	-	-	-	-
Future Supply Actions		-	-	-	-	-	-	-	-
Conservation Credits Program		-	-	-	-	-	-	-	-
Total Demand Management Programs		-	-	-	-	-	-	-	-
Capital Financing Program		-	-	-	-	-	-	-	-
Revenue Bond Debt Service net of BABs Interest Subsidy Payment		4,644,575	-	4,644,575	-	-	-	-	4,644,575
G.O. Bond Debt Service		-	-	-	-	-	-	-	-
Debt Administration & State Revolving Funds		104,113	-	104,113	-	-	-	-	104,113
Bond Defeasance		-	-	-	-	-	-	-	-
PAYGO		1,800,000	-	1,800,000	-	-	-	-	1,800,000
Total Capital Financing Program		6,548,688	-	6,548,688	-	-	-	-	6,548,688
Other Operating Costs		-	-	-	-	-	-	-	-
Operating Equipment		87,110	-	87,110	-	-	-	-	87,110
OPEB\PERS Pre-Funding		-	-	-	-	-	-	-	-
Total Other Operating Costs		87,110	-	87,110	-	-	-	-	87,110
Increase/(Decrease) in Required Reserves		-	-	-	-	-	-	-	-
Total General District Requirements		59,582,971	-	6,635,798	-	52,947,173	-	-	59,582,971
REQUIREMENTS BEFORE OFFSETS:		64,530,688	-	11,583,515	-	52,947,173	-	-	64,530,688
Revenue Offsets									
Taxes - MWD Portion of SWP GO Debt Service		-	-	-	-	-	-	-	-
Taxes - MWD GO Debt Service		-	-	-	-	-	-	-	-
Interest on Investments		644,668	-	-	-	644,668	-	-	644,668
Hydro-Power Revenue		-	-	-	-	-	-	-	-
CRA Power Revenue		3,283,614	-	-	-	3,283,614	-	-	3,283,614
Wadsworth Pumping Plant (DVL) Power Revenue (cost in dept)		-	-	-	-	-	-	-	-
Misc. allocated to A&G (Lease, Late Fees, etc.)		-	-	-	-	-	-	-	-
Misc. allocated to supply (PVID Lease, CVWD Revenues)		-	-	-	-	-	-	-	-
Taxes - additional from fixed tax rate		-	-	-	-	-	-	-	-
Revenue Reserve used for Revenue Bonds - I&P		-	-	-	-	-	-	-	-
Annexation		-	-	-	-	-	-	-	-
Total Revenue Offsets		3,928,282	-	-	-	3,928,282	-	-	3,928,282
NET REVENUE REQUIREMENTS:		60,602,405	-	11,583,515	-	49,018,890	-	-	60,602,405

Direct Labor used for A&G Allocation
Allocation of Revenue Requirements: C&A, CRA Power
Fiscal Year Ending 2020

		Functionalization	Allocation Percentages						Total
			Fixed			Variable Commodity	Other	Hydroelectric	
			Demand	Commodity	Standby				
Departmental O&M									
Group	***Item***								
Office of General Manager		46,170	-	46,170	-	-	-	-	46,170
Office of General Manager	Board of Directors	-	-	-	-	-	-	-	-
Office of General Manager	Bay Delta Initiatives	-	-	-	-	-	-	-	-
External Affairs	Legislative Services	-	-	-	-	-	-	-	-
External Affairs	Media Communications Services	-	-	-	-	-	-	-	-
External Affairs	Manager, External Affairs/Special Projects	-	-	-	-	-	-	-	-
External Affairs	Conservation & Community Services	-	-	-	-	-	-	-	-
Human Resources		100,829	-	100,829	-	-	-	-	100,829
Water Systems Operations	Office of the Manager	53,145	-	53,145	-	-	-	-	53,145
Water Systems Operations	Office of the Manager, Conveyance & Distribution Section	-	-	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Treatment Section	-	-	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Operations Support Services	37,871	-	37,871	-	-	-	-	37,871
Water Systems Operations	Operations Support Services	-	-	-	-	-	-	-	-
Water Systems Operations	Desert Region / C&D CRA	-	-	-	-	-	-	-	-
Water Systems Operations	System Operations Unit	-	-	-	-	-	-	-	-
Water Systems Operations	Power Operations and Planning	3,078,829	-	3,078,829	-	-	-	-	3,078,829
Water Systems Operations	Operations Planning & Programs Unit	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Jensen	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Diemer	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Mills	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Skinner	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Weymouth	-	-	-	-	-	-	-	-
Water Systems Operations	Water Quality Section	-	-	-	-	-	-	-	-
Water Systems Operations	C&D, Eastern Unit	-	-	-	-	-	-	-	-
Water Systems Operations	C&D, Western Unit	-	-	-	-	-	-	-	-
Water Systems Operations	OSS, Manufacturing Services Unit	-	-	-	-	-	-	-	-
Water Systems Operations	Environmental Health & Safety Section	-	-	-	-	-	-	-	-
Water Systems Operations	OSS, Fleet Services Unit	-	-	-	-	-	-	-	-
Water Systems Operations	OSS, Power Support Unit	164,001	-	164,001	-	-	-	-	164,001
Water Systems Operations	Office of the Manager, Operations & Planning Section	6,843	-	6,843	-	-	-	-	6,843
Water Systems Operations	Security Team & Security Management	31,747	-	31,747	-	-	-	-	31,747
Office of the Chief Financial Of		-	-	-	-	-	-	-	-
Business Technology	Office of Manager	-	-	-	-	-	-	-	-
Engineering Services		506,456	-	506,456	-	-	-	-	506,456
Business Technology	Administrative Services	-	-	-	-	-	-	-	-
Business Technology	Information Technology	297,317	-	297,317	-	-	-	-	297,317
Water Resources Managemen	Resource Planning & Development	-	-	-	-	-	-	-	-
Water Resources Managemen	Resource Implementation	-	-	-	-	-	-	-	-
Water Resources Managemen	Office of the Group Manager	-	-	-	-	-	-	-	-
Ethics Office		-	-	-	-	-	-	-	-
Real Property		-	-	-	-	-	-	-	-
General Counsel		-	-	-	-	-	-	-	-
General Auditor		-	-	-	-	-	-	-	-
Total Departmental O&M	-	4,323,209	-	4,323,209	-	-	-	-	4,323,209

Allocation Percentages: C&A, CRA All Other
Fiscal Year Ending 2020

		Functionalization	Allocation Percentages						% Total
			Fixed			Variable Commodity	Other	Hydroelectric	
			Demand	Commodity	Standby				
Departmental O&M									
Group	***Item***								
Office of General Manager		439,368	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Office of General Manager	Board of Directors	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Office of General Manager	Bay Delta Initiatives	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
External Affairs	Legislative Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
External Affairs	Media Communications Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
External Affairs	Manager, External Affairs/Special Projects	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
External Affairs	Conservation & Community Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Human Resources		1,083,374	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager	781,871	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager, Conveyance & Distribution Section	354,867	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager, Treatment Section	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager, Operations Support Services	370,074	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Operations Support Services	602,435	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Desert Region / C&D CRA	26,765,473	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	System Operations Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Power Operations and Planning	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Operations Planning & Programs Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Jensen	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Diemer	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Mills	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Skinner	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Weymouth	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Water Quality Section	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	C&D, Eastern Unit	1,470,866	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	C&D, Western Unit	30,642	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	OSS, Manufacturing Services Unit	414,307	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Environmental Health & Safety Section	3,052,088	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	OSS, Fleet Services Unit	1,345,996	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	OSS, Power Support Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager, Operations & Planning Section	58,788	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Security Team & Security Management	408,146	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Office of the Chief Financial Officer		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Business Technology	Office of Manager	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Engineering Services		1,403,521	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Business Technology	Administrative Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Business Technology	Information Technology	3,638,428	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Resources Management	Resource Planning & Development	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Resources Management	Resource Implementation	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Resources Management	Office of the Group Manager	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Ethics Office		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Real Property		837,136	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
General Counsel		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
General Auditor		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Total Departmental O&M		43,057,379	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
GENERAL DISTRICT REQUIREMENTS									
State Water Project									
Supply - O&M		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Supply - Capital		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Power - O&M & Off-Aq Capital		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Power - Capital (less Off-Aq)		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Transmission - Capital - Commodity, Demand, & Standby		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Transmission - O&M - Commodity only		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
CA WaterFix - Capital		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Total State Water Project		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Colorado River Aqueduct Power Costs		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Supply Programs		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Demand Management Programs		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Local Resources Program		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Future Supply Actions		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Conservation Credits Program		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Total Demand Management Programs		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Capital Financing Program		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Revenue Bond Debt Service net of BABs Interest Subsidy Payment		11,828,185	22.1%	53.9%	23.9%	0.0%	0.0%	0.0%	100.0%
G.O. Bond Debt Service		-	22.1%	53.9%	23.9%	0.0%	0.0%	0.0%	100.0%
Debt Administration & State Revolving Funds		265,140	22.1%	53.9%	23.9%	0.0%	0.0%	0.0%	100.0%
Bond Defeasance		-	22.1%	53.9%	23.9%	0.0%	0.0%	0.0%	100.0%
PAYGO		4,584,000	22.1%	53.9%	23.9%	0.0%	0.0%	0.0%	100.0%
Total Capital Financing Program		16,677,325	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Other Operating Costs									
Operating Equipment		702,870	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
OPEB\PERS Pre-Funding		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Total Other Operating Costs		702,870	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Increase/(Decrease) in Required Reserves		-	21.2%	55.8%	23.0%	0.0%	0.0%	0.0%	100.0%
Total General District Requirements		17,380,195	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
REQUIREMENTS BEFORE OFFSETS:		60,437,574	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Revenue Offsets									
Taxes - MWD Portion of SWP GO Debt Service		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Taxes - MWD GO Debt Service		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Interest on Investments		603,778	22.1%	53.9%	23.9%	0.0%	0.0%	0.0%	100.0%
Hydro-Power Revenue		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
CRA Power Revenue		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Wadsworth Pumping Plant (DVL) Power Revenue (cost in dept)		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Misc. allocated to A&G (Lease, Late Fees, etc.)		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Misc. allocated to supply (PVID Lease, CVWD Revenues)		-	6.1%	87.3%	6.6%	0.0%	0.0%	0.0%	100.0%
Taxes - additional from fixed tax rate		-	22.1%	53.9%	23.9%	0.0%	0.0%	0.0%	100.0%
Revenue Reserve used for Revenue Bonds - I&P		-	50.0%	50.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Annexation		-	22.1%	53.9%	23.9%	0.0%	0.0%	0.0%	100.0%
Total Revenue Offsets		603,778	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
NET REVENUE REQUIREMENTS:	-	59,833,796	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

Allocation of Revenue Requirements: C&A, CRA All Other
Fiscal Year Ending 2020

		Functionalization	Allocation Percentages						Total
			Fixed			Variable Commodity	Other	Hydroelectric	
			Demand	Commodity	Standby				
Departmental O&M									
Group	***Item***								
Office of General Manager		439,368	-	439,368	-	-	-	-	439,368
Office of General Manager	Board of Directors	-	-	-	-	-	-	-	-
Office of General Manager	Bay Delta Initiatives	-	-	-	-	-	-	-	-
External Affairs	Legislative Services	-	-	-	-	-	-	-	-
External Affairs	Media Communications Services	-	-	-	-	-	-	-	-
External Affairs	Manager, External Affairs/Special Projects	-	-	-	-	-	-	-	-
External Affairs	Conservation & Community Services	-	-	-	-	-	-	-	-
Human Resources		1,083,374	-	1,083,374	-	-	-	-	1,083,374
Water Systems Operations	Office of the Manager	781,871	-	781,871	-	-	-	-	781,871
Water Systems Operations	Office of the Manager, Conveyance & Distribution S	354,867	-	354,867	-	-	-	-	354,867
Water Systems Operations	Office of the Manager, Treatment Section	-	-	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Operations Support Service	370,074	-	370,074	-	-	-	-	370,074
Water Systems Operations	Operations Support Services	602,435	-	602,435	-	-	-	-	602,435
Water Systems Operations	Desert Region / C&D CRA	26,765,473	-	26,765,473	-	-	-	-	26,765,473
Water Systems Operations	System Operations Unit	-	-	-	-	-	-	-	-
Water Systems Operations	Power Operations and Planning	-	-	-	-	-	-	-	-
Water Systems Operations	Operations Planning & Programs Unit	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Jensen	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Diemer	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Mills	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Skinner	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Weymouth	-	-	-	-	-	-	-	-
Water Systems Operations	Water Quality Section	-	-	-	-	-	-	-	-
Water Systems Operations	C&D, Eastern Unit	1,470,866	-	1,470,866	-	-	-	-	1,470,866
Water Systems Operations	C&D, Western Unit	30,642	-	30,642	-	-	-	-	30,642
Water Systems Operations	OSS, Manufacturing Services Unit	414,307	-	414,307	-	-	-	-	414,307
Water Systems Operations	Environmental Health & Safety Section	3,052,088	-	3,052,088	-	-	-	-	3,052,088
Water Systems Operations	OSS, Fleet Services Unit	1,345,996	-	1,345,996	-	-	-	-	1,345,996
Water Systems Operations	OSS, Power Support Unit	-	-	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Operations & Planning Secti	58,788	-	58,788	-	-	-	-	58,788
Water Systems Operations	Security Team & Security Management	408,146	-	408,146	-	-	-	-	408,146
Office of the Chief Financial O		-	-	-	-	-	-	-	-
Business Technology	Office of Manager	-	-	-	-	-	-	-	-
Engineering Services		1,403,521	-	1,403,521	-	-	-	-	1,403,521
Business Technology	Administrative Services	-	-	-	-	-	-	-	-
Business Technology	Information Technology	3,638,428	-	3,638,428	-	-	-	-	3,638,428
Water Resources Managemen	Resource Planning & Development	-	-	-	-	-	-	-	-
Water Resources Managemen	Resource Implementation	-	-	-	-	-	-	-	-
Water Resources Managemen	Office of the Group Manager	-	-	-	-	-	-	-	-
Ethics Office		-	-	-	-	-	-	-	-
Real Property		837,136	-	837,136	-	-	-	-	837,136
General Counsel		-	-	-	-	-	-	-	-
General Auditor		-	-	-	-	-	-	-	-
Total Departmental O&M	-	43,057,379	-	43,057,379	-	-	-	-	43,057,379
		-							-
GENERAL DISTRICT REQUIREMENTS		-	-	-	-	-	-	-	-
		-							-
State Water Project		-	-	-	-	-	-	-	-
Supply - O&M		-	-	-	-	-	-	-	-
Supply - Capital		-	-	-	-	-	-	-	-
Power - O&M & Off-Aq Capital		-	-	-	-	-	-	-	-
Power - Capital (less Off-Aq)		-	-	-	-	-	-	-	-
Transmission - Capital - Commodity, Demand, & Standby		-	-	-	-	-	-	-	-
Transmission - O&M - Commodity only		-	-	-	-	-	-	-	-
CA WaterFix - Capital		-	-	-	-	-	-	-	-
Total State Water Project		-	-	-	-	-	-	-	-
		-							-
Colorado River Aqueduct Power Costs		-	-	-	-	-	-	-	-
		-							-
Supply Programs		-	-	-	-	-	-	-	-
									-
Demand Management Programs		-	-	-	-	-	-	-	-
Local Resources Program		-	-	-	-	-	-	-	-
Future Supply Actions		-	-	-	-	-	-	-	-
Conservation Credits Program		-	-	-	-	-	-	-	-
Total Demand Management Programs		-	-	-	-	-	-	-	-
Capital Financing Program		-	-	-	-	-	-	-	-
Revenue Bond Debt Service net of BABs Interest Subsidy Payment		11,828,185	2,615,932	6,380,323	2,831,930	-	-	-	11,828,185
G.O. Bond Debt Service		-	-	-	-	-	-	-	-
Debt Administration & State Revolving Funds		265,140	58,639	143,021	63,480	-	-	-	265,140
Bond Defeasance		-	-	-	-	-	-	-	-
PAYGO		4,584,000	1,013,802	2,472,687	1,097,511	-	-	-	4,584,000
Total Capital Financing Program		16,677,325	3,688,373	8,996,031	3,992,922	-	-	-	16,677,325
Other Operating Costs		-	-	-	-	-	-	-	-
Operating Equipment		702,870	-	702,870	-	-	-	-	702,870
OPEB\PERS Pre-Funding		-	-	-	-	-	-	-	-
Total Other Operating Costs		702,870	-	702,870	-	-	-	-	702,870
Increase/(Decrease) in Required Reserves		-	-	-	-	-	-	-	-
Total General District Requirements		17,380,195	3,688,373	9,698,901	3,992,922	-	-	-	17,380,195
REQUIREMENTS BEFORE OFFSETS:		60,437,574	3,688,373	52,756,280	3,992,922	-	-	-	60,437,574
Revenue Offsets									
Taxes - MWD Portion of SWP GO Debt Service		-	-	-	-	-	-	-	-
Taxes - MWD GO Debt Service		-	-	-	-	-	-	-	-
Interest on Investments		603,778	133,532	325,688	144,558	-	-	-	603,778
Hydro-Power Revenue		-	-	-	-	-	-	-	-
CRA Power Revenue		-	-	-	-	-	-	-	-
Wadsworth Pumping Plant (DVL) Power Revenue (cost in dept)		-	-	-	-	-	-	-	-
Misc. allocated to A&G (Lease, Late Fees, etc.)		-	-	-	-	-	-	-	-
Misc. allocated to supply (PVID Lease, CVWD Revenues)		-	-	-	-	-	-	-	-
Taxes - additional from fixed tax rate		-	-	-	-	-	-	-	-
Revenue Reserve used for Revenue Bonds - I&P		-	-	-	-	-	-	-	-
Annexation		-	-	-	-	-	-	-	-
Total Revenue Offsets		603,778	133,532	325,688	144,558	-	-	-	603,778
NET REVENUE REQUIREMENTS:		59,833,796	3,554,841	52,430,592	3,848,364	-	-	-	59,833,796

Direct Labor used for A&G Allocation
Allocation of Revenue Requirements: C&A, CRA All Other
Fiscal Year Ending 2020

		Functionalization	Allocation Percentages						Total
			Fixed			Variable Commodity	Other	Hydroelectric	
			Demand	Commodity	Standby				
Departmental O&M									
Group	***Item***								
Office of General Manager		401,794	-	401,794	-	-	-	-	401,794
Office of General Manager	Board of Directors	-	-	-	-	-	-	-	-
Office of General Manager	Bay Delta Initiatives	-	-	-	-	-	-	-	-
External Affairs	Legislative Services	-	-	-	-	-	-	-	-
External Affairs	Media Communications Services	-	-	-	-	-	-	-	-
External Affairs	Manager, External Affairs/Special Projects	-	-	-	-	-	-	-	-
External Affairs	Conservation & Community Services	-	-	-	-	-	-	-	-
Human Resources		877,465	-	877,465	-	-	-	-	877,465
Water Systems Operations	Office of the Manager	462,383	-	462,383	-	-	-	-	462,383
Water Systems Operations	Office of the Manager, Conveyance & Distribution Section	332,733	-	332,733	-	-	-	-	332,733
Water Systems Operations	Office of the Manager, Treatment Section	-	-	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Operations Support Services	329,493	-	329,493	-	-	-	-	329,493
Water Systems Operations	Operations Support Services	551,705	-	551,705	-	-	-	-	551,705
Water Systems Operations	Desert Region / C&D CRA	22,763,286	-	22,763,286	-	-	-	-	22,763,286
Water Systems Operations	System Operations Unit	-	-	-	-	-	-	-	-
Water Systems Operations	Power Operations and Planning	-	-	-	-	-	-	-	-
Water Systems Operations	Operations Planning & Programs Unit	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Jensen	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Diemer	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Mills	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Skinner	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Weymouth	-	-	-	-	-	-	-	-
Water Systems Operations	Water Quality Section	-	-	-	-	-	-	-	-
Water Systems Operations	C&D, Eastern Unit	1,004,394	-	1,004,394	-	-	-	-	1,004,394
Water Systems Operations	C&D, Western Unit	22,797	-	22,797	-	-	-	-	22,797
Water Systems Operations	OSS, Manufacturing Services Unit	375,677	-	375,677	-	-	-	-	375,677
Water Systems Operations	Environmental Health & Safety Section	2,497,365	-	2,497,365	-	-	-	-	2,497,365
Water Systems Operations	OSS, Fleet Services Unit	861,227	-	861,227	-	-	-	-	861,227
Water Systems Operations	OSS, Power Support Unit	-	-	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Operations & Planning Section	59,535	-	59,535	-	-	-	-	59,535
Water Systems Operations	Security Team & Security Management	80,849	-	80,849	-	-	-	-	80,849
Office of the Chief Financial O		-	-	-	-	-	-	-	-
Business Technology	Office of Manager	-	-	-	-	-	-	-	-
Engineering Services		1,289,776	-	1,289,776	-	-	-	-	1,289,776
Business Technology	Administrative Services	-	-	-	-	-	-	-	-
Business Technology	Information Technology	2,587,389	-	2,587,389	-	-	-	-	2,587,389
Water Resources Managemen	Resource Planning & Development	-	-	-	-	-	-	-	-
Water Resources Managemen	Resource Implementation	-	-	-	-	-	-	-	-
Water Resources Managemen	Office of the Group Manager	-	-	-	-	-	-	-	-
Ethics Office		-	-	-	-	-	-	-	-
Real Property		384,996	-	384,996	-	-	-	-	384,996
General Counsel		-	-	-	-	-	-	-	-
General Auditor		-	-	-	-	-	-	-	-
Total Departmental O&M	-	34,882,866	-	34,882,866	-	-	-	-	34,882,866

Allocation Percentages: C&A, State Water Project Power
Fiscal Year Ending 2020

		Functionalization	Allocation Percentages						% Total
			Fixed			Variable	Other	Hydroelectric	
			Demand	Commodity	Standby	Commodity			
Departmental O&M									
Group	***Item***								
Office of General Manager		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Office of General Manager	Board of Directors	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Office of General Manager	Bay Delta Initiatives	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
External Affairs	Legislative Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
External Affairs	Media Communications Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
External Affairs	Manager, External Affairs/Special Projects	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
External Affairs	Conservation & Community Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Human Resources		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager, Conveyance & Distribution Section	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager, Treatment Section	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager, Operations Support Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Operations Support Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Desert Region / C&D CRA	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	System Operations Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Power Operations and Planning	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Operations Planning & Programs Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Jensen	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Diemer	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Mills	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Skinner	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Weymouth	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Water Quality Section	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	C&D, Eastern Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	C&D, Western Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	OSS, Manufacturing Services Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Environmental Health & Safety Section	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	OSS, Fleet Services Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	OSS, Power Support Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager, Operations & Planning Section	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Security Team & Security Management	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Office of the Chief Financial Officer		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Business Technology	Office of Manager	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Engineering Services		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Business Technology	Administrative Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Business Technology	Information Technology	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Resources Management	Resource Planning & Development	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Resources Management	Resource Implementation	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Resources Management	Office of the Group Manager	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Ethics Office		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Real Property		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
General Counsel		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
General Auditor		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Total Departmental O&M		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
GENERAL DISTRICT REQUIREMENTS									
State Water Project									
Supply - O&M		-	0.0%	0.0%	0.0%	100.0%	0.0%	0.0%	100.0%
Supply - Capital		-	0.0%	0.0%	0.0%	100.0%	0.0%	0.0%	100.0%
Power - O&M & Off-Aq Capital		170,923,193	0.0%	0.0%	0.0%	100.0%	0.0%	0.0%	100.0%
Power - Capital (less Off-Aq)		(4,292,647)	0.0%	0.0%	0.0%	100.0%	0.0%	0.0%	100.0%
Transmission - Capital - Commodity, Demand, & Standby		-	0.0%	0.0%	0.0%	100.0%	0.0%	0.0%	100.0%
Transmission - O&M - Commodity only		-	0.0%	0.0%	0.0%	100.0%	0.0%	0.0%	100.0%
CA WaterFix - Capital		-	0.0%	0.0%	0.0%	100.0%	0.0%	0.0%	100.0%
Total State Water Project		166,630,545	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Colorado River Aqueduct Power Costs		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Supply Programs		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Demand Management Programs		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Local Resources Program		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Future Supply Actions		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Conservation Credits Program		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Total Demand Management Programs		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Capital Financing Program		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Revenue Bond Debt Service net of BABs Interest Subsidy Payment		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
G.O. Bond Debt Service		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Debt Administration & State Revolving Funds		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Bond Defeasance		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
PAYGO		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Total Capital Financing Program		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Other Operating Costs									
Operating Equipment		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
OPEB\PERS Pre-Funding		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Total Other Operating Costs		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Increase/(Decrease) in Required Reserves		-	0.0%	0.0%	0.0%	100.0%	0.0%	0.0%	100.0%
Total General District Requirements		166,630,545	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
REQUIREMENTS BEFORE OFFSETS:		166,630,545	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Revenue Offsets									
Taxes - MWD Portion of SWP GO Debt Service		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Taxes - MWD GO Debt Service		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Interest on Investments		1,664,656	0.0%	0.0%	0.0%	100.0%	0.0%	0.0%	100.0%
Hydro-Power Revenue		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
CRA Power Revenue		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Wadsworth Pumping Plant (DVL) Power Revenue (cost in dept)		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Misc. allocated to A&G (Lease, Late Fees, etc.)		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Misc. allocated to supply (PVID Lease, CVWD Revenues)		-	0.0%	0.0%	0.0%	100.0%	0.0%	0.0%	100.0%
Taxes - additional from fixed tax rate		-	0.0%	0.0%	0.0%	100.0%	0.0%	0.0%	100.0%
Revenue Reserve used for Revenue Bonds - I&P		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Annexation		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Total Revenue Offsets		1,664,656	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
NET REVENUE REQUIREMENTS:	-	164,965,889	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

Allocation of Revenue Requirements: C&A State Water Project Power
Fiscal Year Ending 2020

		Functionalization	Allocation Percentages						Total
			Fixed			Variable	Other	Hydroelectric	
			Demand	Commodity	Standby	Commodity			
Departmental O&M									
Group	***Item***								
Office of General Manager		-	-	-	-	-	-	-	-
Office of General Manager	Board of Directors	-	-	-	-	-	-	-	-
Office of General Manager	Bay Delta Initiatives	-	-	-	-	-	-	-	-
External Affairs	Legislative Services	-	-	-	-	-	-	-	-
External Affairs	Media Communications Services	-	-	-	-	-	-	-	-
External Affairs	Manager, External Affairs/Special Projects	-	-	-	-	-	-	-	-
External Affairs	Conservation & Community Services	-	-	-	-	-	-	-	-
Human Resources		-	-	-	-	-	-	-	-
Water Systems Operations	Office of the Manager	-	-	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Conveyance & Distribution S	-	-	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Treatment Section	-	-	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Operations Support Service	-	-	-	-	-	-	-	-
Water Systems Operations	Operations Support Services	-	-	-	-	-	-	-	-
Water Systems Operations	Desert Region / C&D CRA	-	-	-	-	-	-	-	-
Water Systems Operations	System Operations Unit	-	-	-	-	-	-	-	-
Water Systems Operations	Power Operations and Planning	-	-	-	-	-	-	-	-
Water Systems Operations	Operations Planning & Programs Unit	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Jensen	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Diemer	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Mills	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Skinner	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Weymouth	-	-	-	-	-	-	-	-
Water Systems Operations	Water Quality Section	-	-	-	-	-	-	-	-
Water Systems Operations	C&D, Eastern Unit	-	-	-	-	-	-	-	-
Water Systems Operations	C&D, Western Unit	-	-	-	-	-	-	-	-
Water Systems Operations	OSS, Manufacturing Services Unit	-	-	-	-	-	-	-	-
Water Systems Operations	Environmental Health & Safety Section	-	-	-	-	-	-	-	-
Water Systems Operations	OSS, Fleet Services Unit	-	-	-	-	-	-	-	-
Water Systems Operations	OSS, Power Support Unit	-	-	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Operations & Planning Secti	-	-	-	-	-	-	-	-
Water Systems Operations	Security Team & Security Management	-	-	-	-	-	-	-	-
Office of the Chief Financial O		-	-	-	-	-	-	-	-
Business Technology	Office of Manager	-	-	-	-	-	-	-	-
Engineering Services		-	-	-	-	-	-	-	-
Business Technology	Administrative Services	-	-	-	-	-	-	-	-
Business Technology	Information Technology	-	-	-	-	-	-	-	-
Water Resources Managemen	Resource Planning & Development	-	-	-	-	-	-	-	-
Water Resources Managemen	Resource Implementation	-	-	-	-	-	-	-	-
Water Resources Managemen	Office of the Group Manager	-	-	-	-	-	-	-	-
Ethics Office		-	-	-	-	-	-	-	-
Real Property		-	-	-	-	-	-	-	-
General Counsel		-	-	-	-	-	-	-	-
General Auditor		-	-	-	-	-	-	-	-
Total Departmental O&M	-	-	-	-	-	-	-	-	-
		-							-
GENERAL DISTRICT REQUIREMENTS		-	-	-	-	-	-	-	-
		-							-
State Water Project		-	-	-	-	-	-	-	-
Supply - O&M		-	-	-	-	-	-	-	-
Supply - Capital		-	-	-	-	-	-	-	-
Power - O&M & Off-Aq Capital		170,923,193	-	-	-	170,923,193	-	-	170,923,193
Power - Capital (less Off-Aq)		(4,292,647)	-	-	-	(4,292,647)	-	-	(4,292,647)
Transmission - Capital - Commodity, Demand, & Standby		-	-	-	-	-	-	-	-
Transmission - O&M - Commodity only		-	-	-	-	-	-	-	-
CA WaterFix - Capital		-	-	-	-	-	-	-	-
Total State Water Project		166,630,545	-	-	-	166,630,545	-	-	166,630,545
		-							-
Colorado River Aqueduct Power Costs		-	-	-	-	-	-	-	-
		-							-
Supply Programs		-	-	-	-	-	-	-	-
									-
Demand Management Programs		-	-	-	-	-	-	-	-
Local Resources Program		-	-	-	-	-	-	-	-
Future Supply Actions		-	-	-	-	-	-	-	-
Conservation Credits Program		-	-	-	-	-	-	-	-
Total Demand Management Programs		-	-	-	-	-	-	-	-
Capital Financing Program		-	-	-	-	-	-	-	-
Revenue Bond Debt Service net of BABs Interest Subsidy Payment		-	-	-	-	-	-	-	-
G.O. Bond Debt Service		-	-	-	-	-	-	-	-
Debt Administration & State Revolving Funds		-	-	-	-	-	-	-	-
Bond Defeasance		-	-	-	-	-	-	-	-
PAYGO		-	-	-	-	-	-	-	-
Total Capital Financing Program		-	-	-	-	-	-	-	-
Other Operating Costs		-	-	-	-	-	-	-	-
Operating Equipment		-	-	-	-	-	-	-	-
OPEB\PERS Pre-Funding		-	-	-	-	-	-	-	-
Total Other Operating Costs		-	-	-	-	-	-	-	-
Increase/(Decrease) in Required Reserves		-	-	-	-	-	-	-	-
Total General District Requirements		166,630,545	-	-	-	166,630,545	-	-	166,630,545
REQUIREMENTS BEFORE OFFSETS:		166,630,545	-	-	-	166,630,545	-	-	166,630,545
Revenue Offsets									
Taxes - MWD Portion of SWP GO Debt Service		-	-	-	-	-	-	-	-
Taxes - MWD GO Debt Service		-	-	-	-	-	-	-	-
Interest on Investments		1,664,656	-	-	-	1,664,656	-	-	1,664,656
Hydro-Power Revenue		-	-	-	-	-	-	-	-
CRA Power Revenue		-	-	-	-	-	-	-	-
Wadsworth Pumping Plant (DVL) Power Revenue (cost in dept)		-	-	-	-	-	-	-	-
Misc. allocated to A&G (Lease, Late Fees, etc.)		-	-	-	-	-	-	-	-
Misc. allocated to supply (PVID Lease, CVWD Revenues)		-	-	-	-	-	-	-	-
Taxes - additional from fixed tax rate		-	-	-	-	-	-	-	-
Revenue Reserve used for Revenue Bonds - I&P		-	-	-	-	-	-	-	-
Annexation		-	-	-	-	-	-	-	-
Total Revenue Offsets		1,664,656	-	-	-	1,664,656	-	-	1,664,656
NET REVENUE REQUIREMENTS:		164,965,889	-	-	-	164,965,889	-	-	164,965,889

Direct Labor used for A&G Allocation
Allocation of Revenue Requirements: C&A State Water Project Power
Fiscal Year Ending 2020

		Functionalization	Allocation Percentages						Total
			Fixed			Variable Commodity	Other	Hydroelectric	
			Demand	Commodity	Standby				
Departmental O&M									
Group	***Item***								
Office of General Manager		-	-	-	-	-	-	-	-
Office of General Manager	Board of Directors	-	-	-	-	-	-	-	-
Office of General Manager	Bay Delta Initiatives	-	-	-	-	-	-	-	-
External Affairs	Legislative Services	-	-	-	-	-	-	-	-
External Affairs	Media Communications Services	-	-	-	-	-	-	-	-
External Affairs	Manager, External Affairs/Special Projects	-	-	-	-	-	-	-	-
External Affairs	Conservation & Community Services	-	-	-	-	-	-	-	-
Human Resources		-	-	-	-	-	-	-	-
Water Systems Operations	Office of the Manager	-	-	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Conveyance & Distribution Section	-	-	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Treatment Section	-	-	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Operations Support Services	-	-	-	-	-	-	-	-
Water Systems Operations	Operations Support Services	-	-	-	-	-	-	-	-
Water Systems Operations	Desert Region / C&D CRA	-	-	-	-	-	-	-	-
Water Systems Operations	System Operations Unit	-	-	-	-	-	-	-	-
Water Systems Operations	Power Operations and Planning	-	-	-	-	-	-	-	-
Water Systems Operations	Operations Planning & Programs Unit	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Jensen	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Diemer	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Mills	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Skinner	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Weymouth	-	-	-	-	-	-	-	-
Water Systems Operations	Water Quality Section	-	-	-	-	-	-	-	-
Water Systems Operations	C&D, Eastern Unit	-	-	-	-	-	-	-	-
Water Systems Operations	C&D, Western Unit	-	-	-	-	-	-	-	-
Water Systems Operations	OSS, Manufacturing Services Unit	-	-	-	-	-	-	-	-
Water Systems Operations	Environmental Health & Safety Section	-	-	-	-	-	-	-	-
Water Systems Operations	OSS, Fleet Services Unit	-	-	-	-	-	-	-	-
Water Systems Operations	OSS, Power Support Unit	-	-	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Operations & Planning Section	-	-	-	-	-	-	-	-
Water Systems Operations	Security Team & Security Management	-	-	-	-	-	-	-	-
Office of the Chief Financial Of		-	-	-	-	-	-	-	-
Business Technology	Office of Manager	-	-	-	-	-	-	-	-
Engineering Services		-	-	-	-	-	-	-	-
Business Technology	Administrative Services	-	-	-	-	-	-	-	-
Business Technology	Information Technology	-	-	-	-	-	-	-	-
Water Resources Managemen	Resource Planning & Development	-	-	-	-	-	-	-	-
Water Resources Managemen	Resource Implementation	-	-	-	-	-	-	-	-
Water Resources Managemen	Office of the Group Manager	-	-	-	-	-	-	-	-
Ethics Office		-	-	-	-	-	-	-	-
Real Property		-	-	-	-	-	-	-	-
General Counsel		-	-	-	-	-	-	-	-
General Auditor		-	-	-	-	-	-	-	-
Total Departmental O&M	-	-	-	-	-	-	-	-	-

Allocation Percentages: C&A, State Water Project, All Other
Fiscal Year Ending 2020

		Functionalization	Allocation Percentages						% Total
			Fixed			Variable Commodity	Other	Hydroelectric	
			Demand	Commodity	Standby				
Departmental O&M									
Group	***Item***								
Office of General Manager		186,390	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Office of General Manager	Board of Directors	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Office of General Manager	Bay Delta Initiatives	10,081,192	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
External Affairs	Legislative Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
External Affairs	Media Communications Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
External Affairs	Manager, External Affairs/Special Projects	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
External Affairs	Conservation & Community Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Human Resources		459,592	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager	45,302	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager, Conveyance & Distribution Section	23,830	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager, Treatment Section	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager, Operations Support Services	21,442	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Operations Support Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Desert Region / C&D CRA	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	System Operations Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Power Operations and Planning	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Operations Planning & Programs Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Jensen	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Diemer	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Mills	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Skinner	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Weymouth	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Water Quality Section	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	C&D, Eastern Unit	1,621,724	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	C&D, Western Unit	658,800	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	OSS, Manufacturing Services Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Environmental Health & Safety Section	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	OSS, Fleet Services Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	OSS, Power Support Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager, Operations & Planning Section	3,406	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Security Team & Security Management	155,622	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Office of the Chief Financial Officer		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Business Technology	Office of Manager	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Engineering Services		535,148	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Business Technology	Administrative Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Business Technology	Information Technology	1,543,505	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Resources Management	Resource Planning & Development	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Resources Management	Resource Implementation	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Resources Management	Office of the Group Manager	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Ethics Office		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Real Property		2,929,977	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
General Counsel		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
General Auditor		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Total Departmental O&M		18,265,930	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
GENERAL DISTRICT REQUIREMENTS									
State Water Project									
Supply - O&M		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Supply - Capital		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Power - O&M & Off-Aq Capital		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Power - Capital (less Off-Aq)		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Transmission - Capital - Commodity, Demand, & Standby		92,495,751	22.1%	53.9%	23.9%	0.0%	0.0%	0.0%	100.0%
Transmission - O&M - Commodity only		195,419,867	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
CA WaterFix - Capital		13,038,349	22.1%	53.9%	23.9%	0.0%	0.0%	0.0%	100.0%
Total State Water Project		300,953,967	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Colorado River Aqueduct Power Costs		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Supply Programs		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Demand Management Programs		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Local Resources Program		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Future Supply Actions		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Conservation Credits Program		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Total Demand Management Programs		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Capital Financing Program		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Revenue Bond Debt Service net of BABs Interest Subsidy Payment		4,509,963	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
G.O. Bond Debt Service		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Debt Administration & State Revolving Funds		101,095	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Bond Defeasance		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
PAYGO		1,747,831	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Total Capital Financing Program		6,358,889	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Other Operating Costs									
Operating Equipment		208,779	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
OPEB\PERS Pre-Funding		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Total Other Operating Costs		208,779	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Increase/(Decrease) in Required Reserves		-	7.6%	84.2%	8.2%	0.0%	0.0%	0.0%	100.0%
Total General District Requirements		307,521,634	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
REQUIREMENTS BEFORE OFFSETS:		325,787,564	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Revenue Offsets									
Taxes - MWD Portion of SWP GO Debt Service		10,287,780	22.1%	53.9%	23.9%	0.0%	0.0%	0.0%	100.0%
Taxes - MWD GO Debt Service		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Interest on Investments		3,254,651	22.1%	53.9%	23.9%	0.0%	0.0%	0.0%	100.0%
Hydro-Power Revenue		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
CRA Power Revenue		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Wadsworth Pumping Plant (DVL) Power Revenue (cost in dept)		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Misc. allocated to A&G (Lease, Late Fees, etc.)		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Misc. allocated to supply (PVID Lease, CVWD Revenues)		-	7.2%	85.1%	7.8%	0.0%	0.0%	0.0%	100.0%
Taxes - additional from fixed tax rate		68,347,283	22.1%	53.9%	23.9%	0.0%	0.0%	0.0%	100.0%
Revenue Reserve used for Revenue Bonds - I&P		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Annexation		-	22.1%	53.9%	23.9%	0.0%	0.0%	0.0%	100.0%
Total Revenue Offsets		81,889,715	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
NET REVENUE REQUIREMENTS:	-	243,897,849	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

Allocation of Revenue Requirements: C&A, State Water Project, All Other
Fiscal Year Ending 2020

		Functionalization	Allocation Percentages						Total
			Fixed			Variable Commodity	Other	Hydroelectric	
			Demand	Commodity	Standby				
Departmental O&M									
Group	***Item***								
Office of General Manager		186,390	-	186,390	-	-	-	-	186,390
Office of General Manager	Board of Directors	-	-	-	-	-	-	-	-
Office of General Manager	Bay Delta Initiatives	10,081,192	-	10,081,192	-	-	-	-	10,081,192
External Affairs	Legislative Services	-	-	-	-	-	-	-	-
External Affairs	Media Communications Services	-	-	-	-	-	-	-	-
External Affairs	Manager, External Affairs/Special Projects	-	-	-	-	-	-	-	-
External Affairs	Conservation & Community Services	-	-	-	-	-	-	-	-
Human Resources		459,592	-	459,592	-	-	-	-	459,592
Water Systems Operations	Office of the Manager	45,302	-	45,302	-	-	-	-	45,302
Water Systems Operations	Office of the Manager, Conveyance & Distribution S	23,830	-	23,830	-	-	-	-	23,830
Water Systems Operations	Office of the Manager, Treatment Section	-	-	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Operations Support Service	21,442	-	21,442	-	-	-	-	21,442
Water Systems Operations	Operations Support Services	-	-	-	-	-	-	-	-
Water Systems Operations	Desert Region / C&D CRA	-	-	-	-	-	-	-	-
Water Systems Operations	System Operations Unit	-	-	-	-	-	-	-	-
Water Systems Operations	Power Operations and Planning	-	-	-	-	-	-	-	-
Water Systems Operations	Operations Planning & Programs Unit	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Jensen	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Diemer	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Mills	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Skinner	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Weymouth	-	-	-	-	-	-	-	-
Water Systems Operations	Water Quality Section	-	-	-	-	-	-	-	-
Water Systems Operations	C&D, Eastern Unit	1,621,724	-	1,621,724	-	-	-	-	1,621,724
Water Systems Operations	C&D, Western Unit	658,800	-	658,800	-	-	-	-	658,800
Water Systems Operations	OSS, Manufacturing Services Unit	-	-	-	-	-	-	-	-
Water Systems Operations	Environmental Health & Safety Section	-	-	-	-	-	-	-	-
Water Systems Operations	OSS, Fleet Services Unit	-	-	-	-	-	-	-	-
Water Systems Operations	OSS, Power Support Unit	-	-	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Operations & Planning Secti	3,406	-	3,406	-	-	-	-	3,406
Water Systems Operations	Security Team & Security Management	155,622	-	155,622	-	-	-	-	155,622
Office of the Chief Financial O		-	-	-	-	-	-	-	-
Business Technology	Office of Manager	-	-	-	-	-	-	-	-
Engineering Services		535,148	-	535,148	-	-	-	-	535,148
Business Technology	Administrative Services	-	-	-	-	-	-	-	-
Business Technology	Information Technology	1,543,505	-	1,543,505	-	-	-	-	1,543,505
Water Resources Managemen	Resource Planning & Development	-	-	-	-	-	-	-	-
Water Resources Managemen	Resource Implementation	-	-	-	-	-	-	-	-
Water Resources Managemen	Office of the Group Manager	-	-	-	-	-	-	-	-
Ethics Office		-	-	-	-	-	-	-	-
Real Property		2,929,977	-	2,929,977	-	-	-	-	2,929,977
General Counsel		-	-	-	-	-	-	-	-
General Auditor		-	-	-	-	-	-	-	-
Total Departmental O&M	-	18,265,930	-	18,265,930	-	-	-	-	18,265,930
		-							-
GENERAL DISTRICT REQUIREMENTS		-	-	-	-	-	-	-	-
		-							-
State Water Project		-	-	-	-	-	-	-	-
Supply - O&M		-	-	-	-	-	-	-	-
Supply - Capital		-	-	-	-	-	-	-	-
Power - O&M & Off-Aq Capital		-	-	-	-	-	-	-	-
Power - Capital (less Off-Aq)		-	-	-	-	-	-	-	-
Transmission - Capital - Commodity, Demand, & Standby		92,495,751	20,456,446	49,893,770	22,145,535	-	-	-	92,495,751
Transmission - O&M - Commodity only		195,419,867	-	195,419,867	-	-	-	-	195,419,867
CA WaterFix - Capital		13,038,349	2,883,573	7,033,106	3,121,670	-	-	-	13,038,349
Total State Water Project		300,953,967	23,340,019	252,346,742	25,267,205	-	-	-	300,953,967
		-							-
Colorado River Aqueduct Power Costs		-	-	-	-	-	-	-	-
		-							-
Supply Programs		-	-	-	-	-	-	-	-
									-
Demand Management Programs		-	-	-	-	-	-	-	-
Local Resources Program		-	-	-	-	-	-	-	-
Future Supply Actions		-	-	-	-	-	-	-	-
Conservation Credits Program		-	-	-	-	-	-	-	-
Total Demand Management Programs		-	-	-	-	-	-	-	-
Capital Financing Program		-	-	-	-	-	-	-	-
Revenue Bond Debt Service net of BABs Interest Subsidy Payment		4,509,963	-	4,509,963	-	-	-	-	4,509,963
G.O. Bond Debt Service		-	-	-	-	-	-	-	-
Debt Administration & State Revolving Funds		101,095	-	101,095	-	-	-	-	101,095
Bond Defeasance		-	-	-	-	-	-	-	-
PAYGO		1,747,831	-	1,747,831	-	-	-	-	1,747,831
Total Capital Financing Program		6,358,889	-	6,358,889	-	-	-	-	6,358,889
Other Operating Costs		-	-	-	-	-	-	-	-
Operating Equipment		208,779	-	208,779	-	-	-	-	208,779
OPEB\PERS Pre-Funding		-	-	-	-	-	-	-	-
Total Other Operating Costs		208,779	-	208,779	-	-	-	-	208,779
Increase/(Decrease) in Required Reserves		-	-	-	-	-	-	-	-
Total General District Requirements		307,521,634	23,340,019	258,914,410	25,267,205	-	-	-	307,521,634
REQUIREMENTS BEFORE OFFSETS:		325,787,564	23,340,019	277,180,340	25,267,205	-	-	-	325,787,564
Revenue Offsets									
Taxes - MWD Portion of SWP GO Debt Service		10,287,780	2,275,255	5,549,402	2,463,123	-	-	-	10,287,780
Taxes - MWD GO Debt Service		-	-	-	-	-	-	-	-
Interest on Investments		3,254,651	719,802	1,755,614	779,236	-	-	-	3,254,651
Hydro-Power Revenue		-	-	-	-	-	-	-	-
CRA Power Revenue		-	-	-	-	-	-	-	-
Wadsworth Pumping Plant (DVL) Power Revenue (cost in dept)		-	-	-	-	-	-	-	-
Misc. allocated to A&G (Lease, Late Fees, etc.)		-	-	-	-	-	-	-	-
Misc. allocated to supply (PVID Lease, CVWD Revenues)		-	-	-	-	-	-	-	-
Taxes - additional from fixed tax rate		68,347,283	15,115,748	36,867,679	16,363,856	-	-	-	68,347,283
Revenue Reserve used for Revenue Bonds - I&P		-	-	-	-	-	-	-	-
Annexation		-	-	-	-	-	-	-	-
Total Revenue Offsets		81,889,715	18,110,805	44,172,695	19,606,215	-	-	-	81,889,715
NET REVENUE REQUIREMENTS:		243,897,849	5,229,214	233,007,645	5,660,990	-	-	-	243,897,849

Direct Labor used for A&G Allocation
Allocation of Revenue Requirements: C&A, State Water Project, All Other
Fiscal Year Ending 2020

		Functionalization	Allocation Percentages						Total
			Fixed			Variable Commodity	Other	Hydroelectric	
			Demand	Commodity	Standby				
Departmental O&M									
Group	***Item***								
Office of General Manager		170,450	-	170,450	-	-	-	-	170,450
Office of General Manager	Board of Directors	-	-	-	-	-	-	-	-
Office of General Manager	Bay Delta Initiatives	5,181,886	-	5,181,886	-	-	-	-	5,181,886
External Affairs	Legislative Services	-	-	-	-	-	-	-	-
External Affairs	Media Communications Services	-	-	-	-	-	-	-	-
External Affairs	Manager, External Affairs/Special Projects	-	-	-	-	-	-	-	-
External Affairs	Conservation & Community Services	-	-	-	-	-	-	-	-
Human Resources		372,241	-	372,241	-	-	-	-	372,241
Water Systems Operations	Office of the Manager	26,791	-	26,791	-	-	-	-	26,791
Water Systems Operations	Office of the Manager, Conveyance & Distribution Section	22,343	-	22,343	-	-	-	-	22,343
Water Systems Operations	Office of the Manager, Treatment Section	-	-	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Operations Support Services	19,091	-	19,091	-	-	-	-	19,091
Water Systems Operations	Operations Support Services	-	-	-	-	-	-	-	-
Water Systems Operations	Desert Region / C&D CRA	-	-	-	-	-	-	-	-
Water Systems Operations	System Operations Unit	-	-	-	-	-	-	-	-
Water Systems Operations	Power Operations and Planning	-	-	-	-	-	-	-	-
Water Systems Operations	Operations Planning & Programs Unit	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Jensen	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Diemer	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Mills	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Skinner	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Weymouth	-	-	-	-	-	-	-	-
Water Systems Operations	Water Quality Section	-	-	-	-	-	-	-	-
Water Systems Operations	C&D, Eastern Unit	1,107,409	-	1,107,409	-	-	-	-	1,107,409
Water Systems Operations	C&D, Western Unit	490,137	-	490,137	-	-	-	-	490,137
Water Systems Operations	OSS, Manufacturing Services Unit	-	-	-	-	-	-	-	-
Water Systems Operations	Environmental Health & Safety Section	-	-	-	-	-	-	-	-
Water Systems Operations	OSS, Fleet Services Unit	-	-	-	-	-	-	-	-
Water Systems Operations	OSS, Power Support Unit	-	-	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Operations & Planning Section	3,449	-	3,449	-	-	-	-	3,449
Water Systems Operations	Security Team & Security Management	30,827	-	30,827	-	-	-	-	30,827
Office of the Chief Financial O		-	-	-	-	-	-	-	-
Business Technology	Office of Manager	-	-	-	-	-	-	-	-
Engineering Services		491,778	-	491,778	-	-	-	-	491,778
Business Technology	Administrative Services	-	-	-	-	-	-	-	-
Business Technology	Information Technology	1,097,630	-	1,097,630	-	-	-	-	1,097,630
Water Resources Managemen	Resource Planning & Development	-	-	-	-	-	-	-	-
Water Resources Managemen	Resource Implementation	-	-	-	-	-	-	-	-
Water Resources Managemen	Office of the Group Manager	-	-	-	-	-	-	-	-
Ethics Office		-	-	-	-	-	-	-	-
Real Property		1,347,487	-	1,347,487	-	-	-	-	1,347,487
General Counsel		-	-	-	-	-	-	-	-
General Auditor		-	-	-	-	-	-	-	-
Total Departmental O&M	-	10,361,521	-	10,361,521	-	-	-	-	10,361,521

Allocation Percentages: C&A - Other C&A
Fiscal Year Ending 2020

		Functionalization	Allocation Percentages						% Total
			Fixed			Variable Commodity	Other	Hydroelectric	
			Demand	Commodity	Standby				
Departmental O&M									
Group	***Item***								
Office of General Manager		83,329	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Office of General Manager	Board of Directors	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Office of General Manager	Bay Delta Initiatives	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
External Affairs	Legislative Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
External Affairs	Media Communications Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
External Affairs	Manager, External Affairs/Special Projects	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
External Affairs	Conservation & Community Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Human Resources		205,469	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager	8,786	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager, Conveyance & Distribution Section	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager, Treatment Section	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager, Operations Support Services	4,158	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Operations Support Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Desert Region / C&D CRA	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	System Operations Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Power Operations and Planning	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Operations Planning & Programs Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Jensen	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Diemer	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Mills	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Skinner	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Weymouth	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Water Quality Section	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	C&D, Eastern Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	C&D, Western Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	OSS, Manufacturing Services Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Environmental Health & Safety Section	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	OSS, Fleet Services Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	OSS, Power Support Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager, Operations & Planning Section	661	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Security Team & Security Management	1,616,137	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Office of the Chief Financial Officer		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Business Technology	Office of Manager	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Engineering Services		5,557,533	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Business Technology	Administrative Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Business Technology	Information Technology	690,053	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Resources Management	Resource Planning & Development	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Resources Management	Resource Implementation	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Resources Management	Office of the Group Manager	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Ethics Office		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Real Property		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
General Counsel		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
General Auditor		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Total Departmental O&M		8,166,126	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
GENERAL DISTRICT REQUIREMENTS									
State Water Project									
Supply - O&M		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Supply - Capital		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Power - O&M & Off-Aq Capital		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Power - Capital (less Off-Aq)		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Transmission - Capital - Commodity, Demand, & Standby		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Transmission - O&M - Commodity only		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
CA WaterFix - Capital		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Total State Water Project		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Colorado River Aqueduct Power Costs		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Supply Programs		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Demand Management Programs		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Local Resources Program		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Future Supply Actions		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Conservation Credits Program		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Total Demand Management Programs		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Capital Financing Program		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Revenue Bond Debt Service net of BABs Interest Subsidy Payment		46,836,147	22.1%	53.9%	23.9%	0.0%	0.0%	0.0%	100.0%
G.O. Bond Debt Service		-	22.1%	53.9%	23.9%	0.0%	0.0%	0.0%	100.0%
Debt Administration & State Revolving Funds		1,049,876	22.1%	53.9%	23.9%	0.0%	0.0%	0.0%	100.0%
Bond Defeasance		-	22.1%	53.9%	23.9%	0.0%	0.0%	0.0%	100.0%
PAYGO		18,151,297	22.1%	53.9%	23.9%	0.0%	0.0%	0.0%	100.0%
Total Capital Financing Program		66,037,320	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Other Operating Costs									
Operating Equipment		124,326	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
OPEB\PERS Pre-Funding		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Total Other Operating Costs		124,326	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Increase/(Decrease) in Required Reserves		-	22.1%	54.0%	23.9%	0.0%	0.0%	0.0%	100.0%
Total General District Requirements		66,161,645	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
REQUIREMENTS BEFORE OFFSETS:		74,327,771	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Revenue Offsets									
Taxes - MWD Portion of SWP GO Debt Service		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Taxes - MWD GO Debt Service		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Interest on Investments		742,542	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Hydro-Power Revenue		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
CRA Power Revenue		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Wadsworth Pumping Plant (DVL) Power Revenue (cost in dept)		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Misc. allocated to A&G (Lease, Late Fees, etc.)		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Misc. allocated to supply (PVID Lease, CVWD Revenues)		-	22.1%	53.9%	23.9%	0.0%	0.0%	0.0%	100.0%
Taxes - additional from fixed tax rate		-	22.1%	53.9%	23.9%	0.0%	0.0%	0.0%	100.0%
Revenue Reserve used for Revenue Bonds - I&P		-	22.1%	53.9%	23.9%	0.0%	0.0%	0.0%	100.0%
Annexation		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Total Revenue Offsets		742,542	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
NET REVENUE REQUIREMENTS:	-	73,585,229	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

Allocation of Revenue Requirements: C&A - Other C&A
Fiscal Year Ending 2020

		Functionalization	Allocation Percentages						Total
			Fixed			Variable Commodity	Other	Hydroelectric	
			Demand	Commodity	Standby				
Departmental O&M									
Group	***Item***								
Office of General Manager		83,329	-	83,329	-	-	-	-	83,329
Office of General Manager	Board of Directors	-	-	-	-	-	-	-	-
Office of General Manager	Bay Delta Initiatives	-	-	-	-	-	-	-	-
External Affairs	Legislative Services	-	-	-	-	-	-	-	-
External Affairs	Media Communications Services	-	-	-	-	-	-	-	-
External Affairs	Manager, External Affairs/Special Projects	-	-	-	-	-	-	-	-
External Affairs	Conservation & Community Services	-	-	-	-	-	-	-	-
Human Resources		205,469	-	205,469	-	-	-	-	205,469
Water Systems Operations	Office of the Manager	8,786	-	8,786	-	-	-	-	8,786
Water Systems Operations	Office of the Manager, Conveyance & Distribution S	-	-	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Treatment Section	-	-	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Operations Support Service	4,158	-	4,158	-	-	-	-	4,158
Water Systems Operations	Operations Support Services	-	-	-	-	-	-	-	-
Water Systems Operations	Desert Region / C&D CRA	-	-	-	-	-	-	-	-
Water Systems Operations	System Operations Unit	-	-	-	-	-	-	-	-
Water Systems Operations	Power Operations and Planning	-	-	-	-	-	-	-	-
Water Systems Operations	Operations Planning & Programs Unit	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Jensen	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Diemer	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Mills	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Skinner	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Weymouth	-	-	-	-	-	-	-	-
Water Systems Operations	Water Quality Section	-	-	-	-	-	-	-	-
Water Systems Operations	C&D, Eastern Unit	-	-	-	-	-	-	-	-
Water Systems Operations	C&D, Western Unit	-	-	-	-	-	-	-	-
Water Systems Operations	OSS, Manufacturing Services Unit	-	-	-	-	-	-	-	-
Water Systems Operations	Environmental Health & Safety Section	-	-	-	-	-	-	-	-
Water Systems Operations	OSS, Fleet Services Unit	-	-	-	-	-	-	-	-
Water Systems Operations	OSS, Power Support Unit	-	-	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Operations & Planning Secti	661	-	661	-	-	-	-	661
Water Systems Operations	Security Team & Security Management	1,616,137	-	1,616,137	-	-	-	-	1,616,137
Office of the Chief Financial O		-	-	-	-	-	-	-	-
Business Technology	Office of Manager	-	-	-	-	-	-	-	-
Engineering Services		5,557,533	-	5,557,533	-	-	-	-	5,557,533
Business Technology	Administrative Services	-	-	-	-	-	-	-	-
Business Technology	Information Technology	690,053	-	690,053	-	-	-	-	690,053
Water Resources Managemen	Resource Planning & Development	-	-	-	-	-	-	-	-
Water Resources Managemen	Resource Implementation	-	-	-	-	-	-	-	-
Water Resources Managemen	Office of the Group Manager	-	-	-	-	-	-	-	-
Ethics Office		-	-	-	-	-	-	-	-
Real Property		-	-	-	-	-	-	-	-
General Counsel		-	-	-	-	-	-	-	-
General Auditor		-	-	-	-	-	-	-	-
Total Departmental O&M	-	8,166,126	-	8,166,126	-	-	-	-	8,166,126
		-							-
GENERAL DISTRICT REQUIREMENTS		-	-	-	-	-	-	-	-
		-							-
State Water Project		-	-	-	-	-	-	-	-
Supply - O&M		-	-	-	-	-	-	-	-
Supply - Capital		-	-	-	-	-	-	-	-
Power - O&M & Off-Aq Capital		-	-	-	-	-	-	-	-
Power - Capital (less Off-Aq)		-	-	-	-	-	-	-	-
Transmission - Capital - Commodity, Demand, & Standby		-	-	-	-	-	-	-	-
Transmission - O&M - Commodity only		-	-	-	-	-	-	-	-
CA WaterFix - Capital		-	-	-	-	-	-	-	-
Total State Water Project		-	-	-	-	-	-	-	-
		-							-
Colorado River Aqueduct Power Costs		-	-	-	-	-	-	-	-
		-							-
Supply Programs		-	-	-	-	-	-	-	-
									-
Demand Management Programs		-	-	-	-	-	-	-	-
Local Resources Program		-	-	-	-	-	-	-	-
Future Supply Actions		-	-	-	-	-	-	-	-
Conservation Credits Program		-	-	-	-	-	-	-	-
Total Demand Management Programs		-	-	-	-	-	-	-	-
Capital Financing Program		-	-	-	-	-	-	-	-
Revenue Bond Debt Service net of BABs Interest Subsidy Payment		46,836,147	10,358,325	25,264,208	11,213,613	-	-	-	46,836,147
G.O. Bond Debt Service		-	-	-	-	-	-	-	-
Debt Administration & State Revolving Funds		1,049,876	232,192	566,321	251,364	-	-	-	1,049,876
Bond Defeasance		-	-	-	-	-	-	-	-
PAYGO		18,151,297	4,014,358	9,791,116	4,345,823	-	-	-	18,151,297
Total Capital Financing Program		66,037,320	14,604,875	35,621,645	15,810,800	-	-	-	66,037,320
Other Operating Costs		-	-	-	-	-	-	-	-
Operating Equipment		124,326	-	124,326	-	-	-	-	124,326
OPEB\PERS Pre-Funding		-	-	-	-	-	-	-	-
Total Other Operating Costs		124,326	-	124,326	-	-	-	-	124,326
Increase/(Decrease) in Required Reserves		-	-	-	-	-	-	-	-
Total General District Requirements		66,161,645	14,604,875	35,745,971	15,810,800	-	-	-	66,161,645
REQUIREMENTS BEFORE OFFSETS:		74,327,771	14,604,875	43,912,097	15,810,800	-	-	-	74,327,771
Revenue Offsets									
Taxes - MWD Portion of SWP GO Debt Service		-	-	-	-	-	-	-	-
Taxes - MWD GO Debt Service		-	-	-	-	-	-	-	-
Interest on Investments		742,542	742,542	-	-	-	-	-	742,542
Hydro-Power Revenue		-	-	-	-	-	-	-	-
CRA Power Revenue		-	-	-	-	-	-	-	-
Wadsworth Pumping Plant (DVL) Power Revenue (cost in dept)		-	-	-	-	-	-	-	-
Misc. allocated to A&G (Lease, Late Fees, etc.)		-	-	-	-	-	-	-	-
Misc. allocated to supply (PVID Lease, CVWD Revenues)		-	-	-	-	-	-	-	-
Taxes - additional from fixed tax rate		-	-	-	-	-	-	-	-
Revenue Reserve used for Revenue Bonds - I&P		-	-	-	-	-	-	-	-
Annexation		-	-	-	-	-	-	-	-
Total Revenue Offsets		742,542	742,542	-	-	-	-	-	742,542
NET REVENUE REQUIREMENTS:		73,585,229	13,862,332	43,912,097	15,810,800	-	-	-	73,585,229

Direct Labor used for A&G Allocation
Allocation of Revenue Requirements: C&A - Other C&A
Fiscal Year Ending 2020

		Functionalization	Allocation Percentages						Total
			Fixed			Variable Commodity	Other	Hydroelectric	
			Demand	Commodity	Standby				
Departmental O&M									
Group	***Item***								
Office of General Manager		76,203	-	76,203	-	-	-	-	76,203
Office of General Manager	Board of Directors	-	-	-	-	-	-	-	-
Office of General Manager	Bay Delta Initiatives	-	-	-	-	-	-	-	-
External Affairs	Legislative Services	-	-	-	-	-	-	-	-
External Affairs	Media Communications Services	-	-	-	-	-	-	-	-
External Affairs	Manager, External Affairs/Special Projects	-	-	-	-	-	-	-	-
External Affairs	Conservation & Community Services	-	-	-	-	-	-	-	-
Human Resources		166,417	-	166,417	-	-	-	-	166,417
Water Systems Operations	Office of the Manager	5,196	-	5,196	-	-	-	-	5,196
Water Systems Operations	Office of the Manager, Conveyance & Distribution Section	-	-	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Treatment Section	-	-	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Operations Support Services	3,702	-	3,702	-	-	-	-	3,702
Water Systems Operations	Operations Support Services	-	-	-	-	-	-	-	-
Water Systems Operations	Desert Region / C&D CRA	-	-	-	-	-	-	-	-
Water Systems Operations	System Operations Unit	-	-	-	-	-	-	-	-
Water Systems Operations	Power Operations and Planning	-	-	-	-	-	-	-	-
Water Systems Operations	Operations Planning & Programs Unit	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Jensen	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Diemer	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Mills	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Skinner	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Weymouth	-	-	-	-	-	-	-	-
Water Systems Operations	Water Quality Section	-	-	-	-	-	-	-	-
Water Systems Operations	C&D, Eastern Unit	-	-	-	-	-	-	-	-
Water Systems Operations	C&D, Western Unit	-	-	-	-	-	-	-	-
Water Systems Operations	OSS, Manufacturing Services Unit	-	-	-	-	-	-	-	-
Water Systems Operations	Environmental Health & Safety Section	-	-	-	-	-	-	-	-
Water Systems Operations	OSS, Fleet Services Unit	-	-	-	-	-	-	-	-
Water Systems Operations	OSS, Power Support Unit	-	-	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Operations & Planning Section	669	-	669	-	-	-	-	669
Water Systems Operations	Security Team & Security Management	320,139	-	320,139	-	-	-	-	320,139
Office of the Chief Financial Of		-	-	-	-	-	-	-	-
Business Technology	Office of Manager	-	-	-	-	-	-	-	-
Engineering Services		5,107,134	-	5,107,134	-	-	-	-	5,107,134
Business Technology	Administrative Services	-	-	-	-	-	-	-	-
Business Technology	Information Technology	490,716	-	490,716	-	-	-	-	490,716
Water Resources Managemen	Resource Planning & Development	-	-	-	-	-	-	-	-
Water Resources Managemen	Resource Implementation	-	-	-	-	-	-	-	-
Water Resources Managemen	Office of the Group Manager	-	-	-	-	-	-	-	-
Ethics Office		-	-	-	-	-	-	-	-
Real Property		-	-	-	-	-	-	-	-
General Counsel		-	-	-	-	-	-	-	-
General Auditor		-	-	-	-	-	-	-	-
Total Departmental O&M	-	6,170,177	-	6,170,177	-	-	-	-	6,170,177

Allocation Percentages: Storage - Other Than Power, Emergency
Fiscal Year Ending 2020

		Functionalization	Allocation Percentages						% Total
			Fixed			Variable Commodity	Other	Hydroelectric	
			Demand	Commodity	Standby				
Departmental O&M									
Group	***Item***								
Office of General Manager		76,989	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Office of General Manager	Board of Directors	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Office of General Manager	Bay Delta Initiatives	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
External Affairs	Legislative Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
External Affairs	Media Communications Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
External Affairs	Manager, External Affairs/Special Projects	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
External Affairs	Conservation & Community Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Human Resources		189,837	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager	20,797	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager, Conveyance & Distribution Section	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager, Treatment Section	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager, Operations Support Services	9,844	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Operations Support Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Desert Region / C&D CRA	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	System Operations Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Power Operations and Planning	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Operations Planning & Programs Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Jensen	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Diemer	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Mills	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Skinner	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Weymouth	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Water Quality Section	646,690	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	C&D, Eastern Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	C&D, Western Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	OSS, Manufacturing Services Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Environmental Health & Safety Section	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	OSS, Fleet Services Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	OSS, Power Support Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager, Operations & Planning Section	1,564	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Security Team & Security Management	1,176,229	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Office of the Chief Financial Officer		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Business Technology	Office of Manager	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Engineering Services		4,044,786	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Business Technology	Administrative Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Business Technology	Information Technology	637,552	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Resources Management	Resource Planning & Development	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Resources Management	Resource Implementation	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Resources Management	Office of the Group Manager	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Ethics Office		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Real Property		740,544	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
General Counsel		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
General Auditor		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Total Departmental O&M		7,544,831	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
GENERAL DISTRICT REQUIREMENTS									
State Water Project									
Supply - O&M		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Supply - Capital		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Power - O&M & Off-Aq Capital		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Power - Capital (less Off-Aq)		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Transmission - Capital - Commodity, Demand, & Standby		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Transmission - O&M - Commodity only		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
CA WaterFix - Capital		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Total State Water Project		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Colorado River Aqueduct Power Costs		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Supply Programs		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Demand Management Programs		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Local Resources Program		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Future Supply Actions		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Conservation Credits Program		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Total Demand Management Programs		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Capital Financing Program		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Revenue Bond Debt Service net of BABs Interest Subsidy Payment		34,087,462	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
G.O. Bond Debt Service		-	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Debt Administration & State Revolving Funds		764,103	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Bond Defeasance		-	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
PAYGO		13,210,558	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Total Capital Financing Program		48,062,122	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Other Operating Costs									
Operating Equipment		111,135	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
OPEB\PERS Pre-Funding		-	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Total Other Operating Costs		111,135	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Increase/(Decrease) in Required Reserves		-	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Total General District Requirements		48,173,257	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
REQUIREMENTS BEFORE OFFSETS:		55,718,088	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Revenue Offsets									
Taxes - MWD Portion of SWP GO Debt Service		-	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Taxes - MWD GO Debt Service		-	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Interest on Investments		556,629	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Hydro-Power Revenue		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
CRA Power Revenue		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Wadsworth Pumping Plant (DVL) Power Revenue (cost in dept)		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Misc. allocated to A&G (Lease, Late Fees, etc.)		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Misc. allocated to supply (PVID Lease, CVWD Revenues)		-	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Taxes - additional from fixed tax rate		-	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Revenue Reserve used for Revenue Bonds - I&P		-	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Annexation		-	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Total Revenue Offsets		556,629	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
NET REVENUE REQUIREMENTS:	-	55,161,459	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

Allocation of Revenue Requirements: Storage - Other Than Power, Emergency
Fiscal Year Ending 2020

		Functionalization	Allocation Percentages						Total
			Fixed			Variable Commodity	Other	Hydroelectric	
			Demand	Commodity	Standby				
Departmental O&M									
Group	***Item***								
Office of General Manager		76,989	-	76,989	-	-	-	-	76,989
Office of General Manager	Board of Directors	-	-	-	-	-	-	-	-
Office of General Manager	Bay Delta Initiatives	-	-	-	-	-	-	-	-
External Affairs	Legislative Services	-	-	-	-	-	-	-	-
External Affairs	Media Communications Services	-	-	-	-	-	-	-	-
External Affairs	Manager, External Affairs/Special Projects	-	-	-	-	-	-	-	-
External Affairs	Conservation & Community Services	-	-	-	-	-	-	-	-
Human Resources		189,837	-	189,837	-	-	-	-	189,837
Water Systems Operations	Office of the Manager	20,797	-	20,797	-	-	-	-	20,797
Water Systems Operations	Office of the Manager, Conveyance & Distribution S	-	-	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Treatment Section	-	-	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Operations Support Service	9,844	-	9,844	-	-	-	-	9,844
Water Systems Operations	Operations Support Services	-	-	-	-	-	-	-	-
Water Systems Operations	Desert Region / C&D CRA	-	-	-	-	-	-	-	-
Water Systems Operations	System Operations Unit	-	-	-	-	-	-	-	-
Water Systems Operations	Power Operations and Planning	-	-	-	-	-	-	-	-
Water Systems Operations	Operations Planning & Programs Unit	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Jensen	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Diemer	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Mills	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Skinner	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Weymouth	-	-	-	-	-	-	-	-
Water Systems Operations	Water Quality Section	646,690	-	646,690	-	-	-	-	646,690
Water Systems Operations	C&D, Eastern Unit	-	-	-	-	-	-	-	-
Water Systems Operations	C&D, Western Unit	-	-	-	-	-	-	-	-
Water Systems Operations	OSS, Manufacturing Services Unit	-	-	-	-	-	-	-	-
Water Systems Operations	Environmental Health & Safety Section	-	-	-	-	-	-	-	-
Water Systems Operations	OSS, Fleet Services Unit	-	-	-	-	-	-	-	-
Water Systems Operations	OSS, Power Support Unit	-	-	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Operations & Planning Secti	1,564	-	1,564	-	-	-	-	1,564
Water Systems Operations	Security Team & Security Management	1,176,229	-	1,176,229	-	-	-	-	1,176,229
Office of the Chief Financial O		-	-	-	-	-	-	-	-
Business Technology	Office of Manager	-	-	-	-	-	-	-	-
Engineering Services		4,044,786	-	4,044,786	-	-	-	-	4,044,786
Business Technology	Administrative Services	-	-	-	-	-	-	-	-
Business Technology	Information Technology	637,552	-	637,552	-	-	-	-	637,552
Water Resources Managemen	Resource Planning & Development	-	-	-	-	-	-	-	-
Water Resources Managemen	Resource Implementation	-	-	-	-	-	-	-	-
Water Resources Managemen	Office of the Group Manager	-	-	-	-	-	-	-	-
Ethics Office		-	-	-	-	-	-	-	-
Real Property		740,544	-	740,544	-	-	-	-	740,544
General Counsel		-	-	-	-	-	-	-	-
General Auditor		-	-	-	-	-	-	-	-
Total Departmental O&M	-	7,544,831	-	7,544,831	-	-	-	-	7,544,831
		-							-
GENERAL DISTRICT REQUIREMENTS		-	-	-	-	-	-	-	-
		-							-
State Water Project		-	-	-	-	-	-	-	-
Supply - O&M		-	-	-	-	-	-	-	-
Supply - Capital		-	-	-	-	-	-	-	-
Power - O&M & Off-Aq Capital		-	-	-	-	-	-	-	-
Power - Capital (less Off-Aq)		-	-	-	-	-	-	-	-
Transmission - Capital - Commodity, Demand, & Standby		-	-	-	-	-	-	-	-
Transmission - O&M - Commodity only		-	-	-	-	-	-	-	-
CA WaterFix - Capital		-	-	-	-	-	-	-	-
Total State Water Project		-	-	-	-	-	-	-	-
		-							-
Colorado River Aqueduct Power Costs		-	-	-	-	-	-	-	-
		-							-
Supply Programs		-	-	-	-	-	-	-	-
									-
Demand Management Programs		-	-	-	-	-	-	-	-
Local Resources Program		-	-	-	-	-	-	-	-
Future Supply Actions		-	-	-	-	-	-	-	-
Conservation Credits Program		-	-	-	-	-	-	-	-
Total Demand Management Programs		-	-	-	-	-	-	-	-
Capital Financing Program		-	-	-	-	-	-	-	-
Revenue Bond Debt Service net of BABs Interest Subsidy Payment		34,087,462	-	-	34,087,462	-	-	-	34,087,462
G.O. Bond Debt Service		-	-	-	-	-	-	-	-
Debt Administration & State Revolving Funds		764,103	-	-	764,103	-	-	-	764,103
Bond Defeasance		-	-	-	-	-	-	-	-
PAYGO		13,210,558	-	-	13,210,558	-	-	-	13,210,558
Total Capital Financing Program		48,062,122	-	-	48,062,122	-	-	-	48,062,122
Other Operating Costs		-	-	-	-	-	-	-	-
Operating Equipment		111,135	-	-	111,135	-	-	-	111,135
OPEB\PERS Pre-Funding		-	-	-	-	-	-	-	-
Total Other Operating Costs		111,135	-	-	111,135	-	-	-	111,135
Increase/(Decrease) in Required Reserves		-	-	-	-	-	-	-	-
Total General District Requirements		48,173,257	-	-	48,173,257	-	-	-	48,173,257
REQUIREMENTS BEFORE OFFSETS:		55,718,088	-	7,544,831	48,173,257	-	-	-	55,718,088
Revenue Offsets									
Taxes - MWD Portion of SWP GO Debt Service		-	-	-	-	-	-	-	-
Taxes - MWD GO Debt Service		-	-	-	-	-	-	-	-
Interest on Investments		556,629	-	-	556,629	-	-	-	556,629
Hydro-Power Revenue		-	-	-	-	-	-	-	-
CRA Power Revenue		-	-	-	-	-	-	-	-
Wadsworth Pumping Plant (DVL) Power Revenue (cost in dept)		-	-	-	-	-	-	-	-
Misc. allocated to A&G (Lease, Late Fees, etc.)		-	-	-	-	-	-	-	-
Misc. allocated to supply (PVID Lease, CVWD Revenues)		-	-	-	-	-	-	-	-
Taxes - additional from fixed tax rate		-	-	-	-	-	-	-	-
Revenue Reserve used for Revenue Bonds - I&P		-	-	-	-	-	-	-	-
Annexation		-	-	-	-	-	-	-	-
Total Revenue Offsets		556,629	-	-	556,629	-	-	-	556,629
NET REVENUE REQUIREMENTS:		55,161,459	-	7,544,831	47,616,628	-	-	-	55,161,459

Direct Labor used for A&G Allocation
Allocation of Revenue Requirements: Storage - Other Than Power, Emergency
Fiscal Year Ending 2020

		Functionalization	Allocation Percentages						Total
			Fixed			Variable Commodity	Other	Hydroelectric	
			Demand	Commodity	Standby				
Departmental O&M									
Group	***Item***								
Office of General Manager		70,405	-	70,405	-	-	-	-	70,405
Office of General Manager	Board of Directors	-	-	-	-	-	-	-	-
Office of General Manager	Bay Delta Initiatives	-	-	-	-	-	-	-	-
External Affairs	Legislative Services	-	-	-	-	-	-	-	-
External Affairs	Media Communications Services	-	-	-	-	-	-	-	-
External Affairs	Manager, External Affairs/Special Projects	-	-	-	-	-	-	-	-
External Affairs	Conservation & Community Services	-	-	-	-	-	-	-	-
Human Resources		153,756	-	153,756	-	-	-	-	153,756
Water Systems Operations	Office of the Manager	12,299	-	12,299	-	-	-	-	12,299
Water Systems Operations	Office of the Manager, Conveyance & Distribution Section	-	-	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Treatment Section	-	-	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Operations Support Services	8,764	-	8,764	-	-	-	-	8,764
Water Systems Operations	Operations Support Services	-	-	-	-	-	-	-	-
Water Systems Operations	Desert Region / C&D CRA	-	-	-	-	-	-	-	-
Water Systems Operations	System Operations Unit	-	-	-	-	-	-	-	-
Water Systems Operations	Power Operations and Planning	-	-	-	-	-	-	-	-
Water Systems Operations	Operations Planning & Programs Unit	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Jensen	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Diemer	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Mills	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Skinner	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Weymouth	-	-	-	-	-	-	-	-
Water Systems Operations	Water Quality Section	524,812	-	524,812	-	-	-	-	524,812
Water Systems Operations	C&D, Eastern Unit	-	-	-	-	-	-	-	-
Water Systems Operations	C&D, Western Unit	-	-	-	-	-	-	-	-
Water Systems Operations	OSS, Manufacturing Services Unit	-	-	-	-	-	-	-	-
Water Systems Operations	Environmental Health & Safety Section	-	-	-	-	-	-	-	-
Water Systems Operations	OSS, Fleet Services Unit	-	-	-	-	-	-	-	-
Water Systems Operations	OSS, Power Support Unit	-	-	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Operations & Planning Section	1,584	-	1,584	-	-	-	-	1,584
Water Systems Operations	Security Team & Security Management	232,998	-	232,998	-	-	-	-	232,998
Office of the Chief Financial O		-	-	-	-	-	-	-	-
Business Technology	Office of Manager	-	-	-	-	-	-	-	-
Engineering Services		3,716,985	-	3,716,985	-	-	-	-	3,716,985
Business Technology	Administrative Services	-	-	-	-	-	-	-	-
Business Technology	Information Technology	453,381	-	453,381	-	-	-	-	453,381
Water Resources Managemen	Resource Planning & Development	-	-	-	-	-	-	-	-
Water Resources Managemen	Resource Implementation	-	-	-	-	-	-	-	-
Water Resources Managemen	Office of the Group Manager	-	-	-	-	-	-	-	-
Ethics Office		-	-	-	-	-	-	-	-
Real Property		340,574	-	340,574	-	-	-	-	340,574
General Counsel		-	-	-	-	-	-	-	-
General Auditor		-	-	-	-	-	-	-	-
Total Departmental O&M	-	5,515,558	-	5,515,558	-	-	-	-	5,515,558

Allocation Percentages: Storage - Other Than Power, Drought
Fiscal Year Ending 2020

		Functionalization	Allocation Percentages						% Total
			Fixed			Variable Commodity	Other	Hydroelectric	
			Demand	Commodity	Standby				
Departmental O&M									
Group	***Item***								
Office of General Manager		65,949	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Office of General Manager	Board of Directors	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Office of General Manager	Bay Delta Initiatives	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
External Affairs	Legislative Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
External Affairs	Media Communications Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
External Affairs	Manager, External Affairs/Special Projects	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
External Affairs	Conservation & Community Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Human Resources		162,614	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager	19,731	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager, Conveyance & Distribution Section	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager, Treatment Section	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager, Operations Support Services	9,339	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Operations Support Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Desert Region / C&D CRA	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	System Operations Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Power Operations and Planning	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Operations Planning & Programs Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Jensen	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Diemer	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Mills	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Skinner	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Weymouth	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Water Quality Section	646,690	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	C&D, Eastern Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	C&D, Western Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	OSS, Manufacturing Services Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Environmental Health & Safety Section	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	OSS, Fleet Services Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	OSS, Power Support Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager, Operations & Planning Section	1,484	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Security Team & Security Management	980,201	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Office of the Chief Financial Officer		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Business Technology	Office of Manager	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Engineering Services		3,370,692	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Business Technology	Administrative Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Business Technology	Information Technology	546,125	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Resources Management	Resource Planning & Development	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Resources Management	Resource Implementation	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Resources Management	Office of the Group Manager	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Ethics Office		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Real Property		660,050	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
General Counsel		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
General Auditor		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Total Departmental O&M		6,462,875	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
GENERAL DISTRICT REQUIREMENTS									
State Water Project									
Supply - O&M		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Supply - Capital		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Power - O&M & Off-Aq Capital		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Power - Capital (less Off-Aq)		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Transmission - Capital - Commodity, Demand, & Standby		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Transmission - O&M - Commodity only		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
CA WaterFix - Capital		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Total State Water Project		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Colorado River Aqueduct Power Costs		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Supply Programs		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Demand Management Programs		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Local Resources Program		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Future Supply Actions		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Conservation Credits Program		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Total Demand Management Programs		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Capital Financing Program		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Revenue Bond Debt Service net of BABs Interest Subsidy Payment		28,406,530	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
G.O. Bond Debt Service		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Debt Administration & State Revolving Funds		636,759	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Bond Defeasance		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
PAYGO		11,008,919	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Total Capital Financing Program		40,052,208	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Other Operating Costs									
Operating Equipment		95,144	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
OPEB\PERS Pre-Funding		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Total Other Operating Costs		95,144	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Increase/(Decrease) in Required Reserves		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Total General District Requirements		40,147,352	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
REQUIREMENTS BEFORE OFFSETS:		46,610,226	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Revenue Offsets									
Taxes - MWD Portion of SWP GO Debt Service		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Taxes - MWD GO Debt Service		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Interest on Investments		465,641	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Hydro-Power Revenue		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
CRA Power Revenue		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Wadsworth Pumping Plant (DVL) Power Revenue (cost in dept)		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Misc. allocated to A&G (Lease, Late Fees, etc.)		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Misc. allocated to supply (PVID Lease, CVWD Revenues)		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Taxes - additional from fixed tax rate		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Revenue Reserve used for Revenue Bonds - I&P		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Annexation		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Total Revenue Offsets		465,641	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
NET REVENUE REQUIREMENTS:	-	46,144,585	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

Allocation of Revenue Requirements: Storage - Other Than Power, Drought
Fiscal Year Ending 2020

		Functionalization	Allocation Percentages						Total
			Fixed			Variable Commodity	Other	Hydroelectric	
			Demand	Commodity	Standby				
Departmental O&M									
Group	***Item***								
Office of General Manager		65,949	-	65,949	-	-	-	-	65,949
Office of General Manager	Board of Directors	-	-	-	-	-	-	-	-
Office of General Manager	Bay Delta Initiatives	-	-	-	-	-	-	-	-
External Affairs	Legislative Services	-	-	-	-	-	-	-	-
External Affairs	Media Communications Services	-	-	-	-	-	-	-	-
External Affairs	Manager, External Affairs/Special Projects	-	-	-	-	-	-	-	-
External Affairs	Conservation & Community Services	-	-	-	-	-	-	-	-
Human Resources		162,614	-	162,614	-	-	-	-	162,614
Water Systems Operations	Office of the Manager	19,731	-	19,731	-	-	-	-	19,731
Water Systems Operations	Office of the Manager, Conveyance & Distribution S	-	-	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Treatment Section	-	-	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Operations Support Service	9,339	-	9,339	-	-	-	-	9,339
Water Systems Operations	Operations Support Services	-	-	-	-	-	-	-	-
Water Systems Operations	Desert Region / C&D CRA	-	-	-	-	-	-	-	-
Water Systems Operations	System Operations Unit	-	-	-	-	-	-	-	-
Water Systems Operations	Power Operations and Planning	-	-	-	-	-	-	-	-
Water Systems Operations	Operations Planning & Programs Unit	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Jensen	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Diemer	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Mills	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Skinner	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Weymouth	-	-	-	-	-	-	-	-
Water Systems Operations	Water Quality Section	646,690	-	646,690	-	-	-	-	646,690
Water Systems Operations	C&D, Eastern Unit	-	-	-	-	-	-	-	-
Water Systems Operations	C&D, Western Unit	-	-	-	-	-	-	-	-
Water Systems Operations	OSS, Manufacturing Services Unit	-	-	-	-	-	-	-	-
Water Systems Operations	Environmental Health & Safety Section	-	-	-	-	-	-	-	-
Water Systems Operations	OSS, Fleet Services Unit	-	-	-	-	-	-	-	-
Water Systems Operations	OSS, Power Support Unit	-	-	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Operations & Planning Secti	1,484	-	1,484	-	-	-	-	1,484
Water Systems Operations	Security Team & Security Management	980,201	-	980,201	-	-	-	-	980,201
Office of the Chief Financial O		-	-	-	-	-	-	-	-
Business Technology	Office of Manager	-	-	-	-	-	-	-	-
Engineering Services		3,370,692	-	3,370,692	-	-	-	-	3,370,692
Business Technology	Administrative Services	-	-	-	-	-	-	-	-
Business Technology	Information Technology	546,125	-	546,125	-	-	-	-	546,125
Water Resources Managemen	Resource Planning & Development	-	-	-	-	-	-	-	-
Water Resources Managemen	Resource Implementation	-	-	-	-	-	-	-	-
Water Resources Managemen	Office of the Group Manager	-	-	-	-	-	-	-	-
Ethics Office		-	-	-	-	-	-	-	-
Real Property		660,050	-	660,050	-	-	-	-	660,050
General Counsel		-	-	-	-	-	-	-	-
General Auditor		-	-	-	-	-	-	-	-
Total Departmental O&M	-	6,462,875	-	6,462,875	-	-	-	-	6,462,875
		-							-
GENERAL DISTRICT REQUIREMENTS		-	-	-	-	-	-	-	-
		-							-
State Water Project		-	-	-	-	-	-	-	-
Supply - O&M		-	-	-	-	-	-	-	-
Supply - Capital		-	-	-	-	-	-	-	-
Power - O&M & Off-Aq Capital		-	-	-	-	-	-	-	-
Power - Capital (less Off-Aq)		-	-	-	-	-	-	-	-
Transmission - Capital - Commodity, Demand, & Standby		-	-	-	-	-	-	-	-
Transmission - O&M - Commodity only		-	-	-	-	-	-	-	-
CA WaterFix - Capital		-	-	-	-	-	-	-	-
Total State Water Project		-	-	-	-	-	-	-	-
		-							-
Colorado River Aqueduct Power Costs		-	-	-	-	-	-	-	-
		-							-
Supply Programs		-	-	-	-	-	-	-	-
									-
Demand Management Programs		-	-	-	-	-	-	-	-
Local Resources Program		-	-	-	-	-	-	-	-
Future Supply Actions		-	-	-	-	-	-	-	-
Conservation Credits Program		-	-	-	-	-	-	-	-
Total Demand Management Programs		-	-	-	-	-	-	-	-
Capital Financing Program		-	-	-	-	-	-	-	-
Revenue Bond Debt Service net of BABs Interest Subsidy Payment		28,406,530	-	28,406,530	-	-	-	-	28,406,530
G.O. Bond Debt Service		-	-	-	-	-	-	-	-
Debt Administration & State Revolving Funds		636,759	-	636,759	-	-	-	-	636,759
Bond Defeasance		-	-	-	-	-	-	-	-
PAYGO		11,008,919	-	11,008,919	-	-	-	-	11,008,919
Total Capital Financing Program		40,052,208	-	40,052,208	-	-	-	-	40,052,208
Other Operating Costs		-	-	-	-	-	-	-	-
Operating Equipment		95,144	-	95,144	-	-	-	-	95,144
OPEB\PERS Pre-Funding		-	-	-	-	-	-	-	-
Total Other Operating Costs		95,144	-	95,144	-	-	-	-	95,144
Increase/(Decrease) in Required Reserves		-	-	-	-	-	-	-	-
Total General District Requirements		40,147,352	-	40,147,352	-	-	-	-	40,147,352
REQUIREMENTS BEFORE OFFSETS:		46,610,226	-	46,610,226	-	-	-	-	46,610,226
Revenue Offsets									
Taxes - MWD Portion of SWP GO Debt Service		-	-	-	-	-	-	-	-
Taxes - MWD GO Debt Service		-	-	-	-	-	-	-	-
Interest on Investments		465,641	-	465,641	-	-	-	-	465,641
Hydro-Power Revenue		-	-	-	-	-	-	-	-
CRA Power Revenue		-	-	-	-	-	-	-	-
Wadsworth Pumping Plant (DVL) Power Revenue (cost in dept)		-	-	-	-	-	-	-	-
Misc. allocated to A&G (Lease, Late Fees, etc.)		-	-	-	-	-	-	-	-
Misc. allocated to supply (PVID Lease, CVWD Revenues)		-	-	-	-	-	-	-	-
Taxes - additional from fixed tax rate		-	-	-	-	-	-	-	-
Revenue Reserve used for Revenue Bonds - I&P		-	-	-	-	-	-	-	-
Annexation		-	-	-	-	-	-	-	-
Total Revenue Offsets		465,641	-	465,641	-	-	-	-	465,641
NET REVENUE REQUIREMENTS:		46,144,585	-	46,144,585	-	-	-	-	46,144,585

Direct Labor used for A&G Allocation
Allocation of Revenue Requirements: Storage - Other Than Power, Drought
Fiscal Year Ending 2020

		Functionalization	Allocation Percentages						Total
			Fixed			Variable Commodity	Other	Hydroelectric	
			Demand	Commodity	Standby				
Departmental O&M									
Group	***Item***								
Office of General Manager		60,309	-	60,309	-	-	-	-	60,309
Office of General Manager	Board of Directors	-	-	-	-	-	-	-	-
Office of General Manager	Bay Delta Initiatives	-	-	-	-	-	-	-	-
External Affairs	Legislative Services	-	-	-	-	-	-	-	-
External Affairs	Media Communications Services	-	-	-	-	-	-	-	-
External Affairs	Manager, External Affairs/Special Projects	-	-	-	-	-	-	-	-
External Affairs	Conservation & Community Services	-	-	-	-	-	-	-	-
Human Resources		131,707	-	131,707	-	-	-	-	131,707
Water Systems Operations	Office of the Manager	11,669	-	11,669	-	-	-	-	11,669
Water Systems Operations	Office of the Manager, Conveyance & Distribution Section	-	-	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Treatment Section	-	-	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Operations Support Services	8,315	-	8,315	-	-	-	-	8,315
Water Systems Operations	Operations Support Services	-	-	-	-	-	-	-	-
Water Systems Operations	Desert Region / C&D CRA	-	-	-	-	-	-	-	-
Water Systems Operations	System Operations Unit	-	-	-	-	-	-	-	-
Water Systems Operations	Power Operations and Planning	-	-	-	-	-	-	-	-
Water Systems Operations	Operations Planning & Programs Unit	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Jensen	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Diemer	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Mills	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Skinner	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Weymouth	-	-	-	-	-	-	-	-
Water Systems Operations	Water Quality Section	524,812	-	524,812	-	-	-	-	524,812
Water Systems Operations	C&D, Eastern Unit	-	-	-	-	-	-	-	-
Water Systems Operations	C&D, Western Unit	-	-	-	-	-	-	-	-
Water Systems Operations	OSS, Manufacturing Services Unit	-	-	-	-	-	-	-	-
Water Systems Operations	Environmental Health & Safety Section	-	-	-	-	-	-	-	-
Water Systems Operations	OSS, Fleet Services Unit	-	-	-	-	-	-	-	-
Water Systems Operations	OSS, Power Support Unit	-	-	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Operations & Planning Section	1,502	-	1,502	-	-	-	-	1,502
Water Systems Operations	Security Team & Security Management	194,167	-	194,167	-	-	-	-	194,167
Office of the Chief Financial O		-	-	-	-	-	-	-	-
Business Technology	Office of Manager	-	-	-	-	-	-	-	-
Engineering Services		3,097,521	-	3,097,521	-	-	-	-	3,097,521
Business Technology	Administrative Services	-	-	-	-	-	-	-	-
Business Technology	Information Technology	388,365	-	388,365	-	-	-	-	388,365
Water Resources Managemen	Resource Planning & Development	-	-	-	-	-	-	-	-
Water Resources Managemen	Resource Implementation	-	-	-	-	-	-	-	-
Water Resources Managemen	Office of the Group Manager	-	-	-	-	-	-	-	-
Ethics Office		-	-	-	-	-	-	-	-
Real Property		303,555	-	303,555	-	-	-	-	303,555
General Counsel		-	-	-	-	-	-	-	-
General Auditor		-	-	-	-	-	-	-	-
Total Departmental O&M	-	4,721,922	-	4,721,922	-	-	-	-	4,721,922

Allocation Percentages: Storage - Other Than Power, Regulatory
Fiscal Year Ending 2020

		Functionalization	Allocation Percentages						% Total
			Fixed			Variable Commodity	Other	Hydroelectric	
			Demand	Commodity	Standby				
Departmental O&M									
Group	***Item***								
Office of General Manager		28,517	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Office of General Manager	Board of Directors	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Office of General Manager	Bay Delta Initiatives	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
External Affairs	Legislative Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
External Affairs	Media Communications Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
External Affairs	Manager, External Affairs/Special Projects	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
External Affairs	Conservation & Community Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Human Resources		70,316	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager	16,493	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager, Conveyance & Distribution Section	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager, Treatment Section	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager, Operations Support Services	7,807	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Operations Support Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Desert Region / C&D CRA	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	System Operations Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Power Operations and Planning	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Operations Planning & Programs Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Jensen	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Diemer	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Mills	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Skinner	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Weymouth	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Water Quality Section	646,690	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	C&D, Eastern Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	C&D, Western Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	OSS, Manufacturing Services Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Environmental Health & Safety Section	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	OSS, Fleet Services Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	OSS, Power Support Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager, Operations & Planning Section	1,240	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Security Team & Security Management	384,549	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Office of the Chief Financial Officer		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Business Technology	Office of Manager	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Engineering Services		1,322,376	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Business Technology	Administrative Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Business Technology	Information Technology	236,152	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Resources Management	Resource Planning & Development	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Resources Management	Resource Implementation	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Resources Management	Office of the Group Manager	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Ethics Office		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Real Property		80,494	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
General Counsel		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
General Auditor		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Total Departmental O&M		2,794,634	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
GENERAL DISTRICT REQUIREMENTS									
State Water Project									
Supply - O&M		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Supply - Capital		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Power - O&M & Off-Aq Capital		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Power - Capital (less Off-Aq)		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Transmission - Capital - Commodity, Demand, & Standby		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Transmission - O&M - Commodity only		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
CA WaterFix - Capital		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Total State Water Project		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Colorado River Aqueduct Power Costs		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Supply Programs		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Demand Management Programs		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Local Resources Program		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Future Supply Actions		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Conservation Credits Program		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Total Demand Management Programs		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Capital Financing Program		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Revenue Bond Debt Service net of BABs Interest Subsidy Payment		11,144,333	29.4%	43.9%	26.7%	0.0%	0.0%	0.0%	100.0%
G.O. Bond Debt Service		-	29.4%	43.9%	26.7%	0.0%	0.0%	0.0%	100.0%
Debt Administration & State Revolving Funds		249,811	29.4%	43.9%	26.7%	0.0%	0.0%	0.0%	100.0%
Bond Defeasance		-	29.4%	43.9%	26.7%	0.0%	0.0%	0.0%	100.0%
PAYGO		4,318,974	29.4%	43.9%	26.7%	0.0%	0.0%	0.0%	100.0%
Total Capital Financing Program		15,713,117	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Other Operating Costs									
Operating Equipment		42,760	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
OPEB\PERS Pre-Funding		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Total Other Operating Costs		42,760	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Increase/(Decrease) in Required Reserves		-	29.3%	44.0%	26.6%	0.0%	0.0%	0.0%	100.0%
Total General District Requirements		15,755,877	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
REQUIREMENTS BEFORE OFFSETS:		18,550,511	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Revenue Offsets									
Taxes - MWD Portion of SWP GO Debt Service		-	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Taxes - MWD GO Debt Service		-	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Interest on Investments		185,322	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Hydro-Power Revenue		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
CRA Power Revenue		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Wadsworth Pumping Plant (DVL) Power Revenue (cost in dept)		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Misc. allocated to A&G (Lease, Late Fees, etc.)		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Misc. allocated to supply (PVID Lease, CVWD Revenues)		-	24.9%	52.5%	22.6%	0.0%	0.0%	0.0%	100.0%
Taxes - additional from fixed tax rate		-	29.4%	43.9%	26.7%	0.0%	0.0%	0.0%	100.0%
Revenue Reserve used for Revenue Bonds - I&P		-	29.4%	43.9%	26.7%	0.0%	0.0%	0.0%	100.0%
Annexation		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Total Revenue Offsets		185,322	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
NET REVENUE REQUIREMENTS:	-	18,365,189	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

Allocation of Revenue Requirements: Storage - Other Than Power, Regulatory
Fiscal Year Ending 2020

		Functionalization	Allocation Percentages						Total
			Fixed			Variable Commodity	Other	Hydroelectric	
			Demand	Commodity	Standby				
Departmental O&M									
Group	***Item***								
Office of General Manager		28,517	-	28,517	-	-	-	-	28,517
Office of General Manager	Board of Directors	-	-	-	-	-	-	-	-
Office of General Manager	Bay Delta Initiatives	-	-	-	-	-	-	-	-
External Affairs	Legislative Services	-	-	-	-	-	-	-	-
External Affairs	Media Communications Services	-	-	-	-	-	-	-	-
External Affairs	Manager, External Affairs/Special Projects	-	-	-	-	-	-	-	-
External Affairs	Conservation & Community Services	-	-	-	-	-	-	-	-
Human Resources		70,316	-	70,316	-	-	-	-	70,316
Water Systems Operations	Office of the Manager	16,493	-	16,493	-	-	-	-	16,493
Water Systems Operations	Office of the Manager, Conveyance & Distribution S	-	-	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Treatment Section	-	-	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Operations Support Service	7,807	-	7,807	-	-	-	-	7,807
Water Systems Operations	Operations Support Services	-	-	-	-	-	-	-	-
Water Systems Operations	Desert Region / C&D CRA	-	-	-	-	-	-	-	-
Water Systems Operations	System Operations Unit	-	-	-	-	-	-	-	-
Water Systems Operations	Power Operations and Planning	-	-	-	-	-	-	-	-
Water Systems Operations	Operations Planning & Programs Unit	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Jensen	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Diemer	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Mills	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Skinner	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Weymouth	-	-	-	-	-	-	-	-
Water Systems Operations	Water Quality Section	646,690	-	646,690	-	-	-	-	646,690
Water Systems Operations	C&D, Eastern Unit	-	-	-	-	-	-	-	-
Water Systems Operations	C&D, Western Unit	-	-	-	-	-	-	-	-
Water Systems Operations	OSS, Manufacturing Services Unit	-	-	-	-	-	-	-	-
Water Systems Operations	Environmental Health & Safety Section	-	-	-	-	-	-	-	-
Water Systems Operations	OSS, Fleet Services Unit	-	-	-	-	-	-	-	-
Water Systems Operations	OSS, Power Support Unit	-	-	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Operations & Planning Secti	1,240	-	1,240	-	-	-	-	1,240
Water Systems Operations	Security Team & Security Management	384,549	-	384,549	-	-	-	-	384,549
Office of the Chief Financial O		-	-	-	-	-	-	-	-
Business Technology	Office of Manager	-	-	-	-	-	-	-	-
Engineering Services		1,322,376	-	1,322,376	-	-	-	-	1,322,376
Business Technology	Administrative Services	-	-	-	-	-	-	-	-
Business Technology	Information Technology	236,152	-	236,152	-	-	-	-	236,152
Water Resources Managemen	Resource Planning & Development	-	-	-	-	-	-	-	-
Water Resources Managemen	Resource Implementation	-	-	-	-	-	-	-	-
Water Resources Managemen	Office of the Group Manager	-	-	-	-	-	-	-	-
Ethics Office		-	-	-	-	-	-	-	-
Real Property		80,494	-	80,494	-	-	-	-	80,494
General Counsel		-	-	-	-	-	-	-	-
General Auditor		-	-	-	-	-	-	-	-
Total Departmental O&M	-	2,794,634	-	2,794,634	-	-	-	-	2,794,634
		-							-
GENERAL DISTRICT REQUIREMENTS		-	-	-	-	-	-	-	-
		-							-
State Water Project		-	-	-	-	-	-	-	-
Supply - O&M		-	-	-	-	-	-	-	-
Supply - Capital		-	-	-	-	-	-	-	-
Power - O&M & Off-Aq Capital		-	-	-	-	-	-	-	-
Power - Capital (less Off-Aq)		-	-	-	-	-	-	-	-
Transmission - Capital - Commodity, Demand, & Standby		-	-	-	-	-	-	-	-
Transmission - O&M - Commodity only		-	-	-	-	-	-	-	-
CA WaterFix - Capital		-	-	-	-	-	-	-	-
Total State Water Project		-	-	-	-	-	-	-	-
		-							-
Colorado River Aqueduct Power Costs		-	-	-	-	-	-	-	-
		-							-
Supply Programs		-	-	-	-	-	-	-	-
									-
Demand Management Programs		-	-	-	-	-	-	-	-
Local Resources Program		-	-	-	-	-	-	-	-
Future Supply Actions		-	-	-	-	-	-	-	-
Conservation Credits Program		-	-	-	-	-	-	-	-
Total Demand Management Programs		-	-	-	-	-	-	-	-
Capital Financing Program		-	-	-	-	-	-	-	-
Revenue Bond Debt Service net of BABs Interest Subsidy Payment		11,144,333	3,278,995	4,888,796	2,976,541	-	-	-	11,144,333
G.O. Bond Debt Service		-	-	-	-	-	-	-	-
Debt Administration & State Revolving Funds		249,811	73,502	109,587	66,722	-	-	-	249,811
Bond Defeasance		-	-	-	-	-	-	-	-
PAYGO		4,318,974	1,270,771	1,894,648	1,153,555	-	-	-	4,318,974
Total Capital Financing Program		15,713,117	4,623,268	6,893,031	4,196,819	-	-	-	15,713,117
Other Operating Costs		-	-	-	-	-	-	-	-
Operating Equipment		42,760	-	42,760	-	-	-	-	42,760
OPEB\PERS Pre-Funding		-	-	-	-	-	-	-	-
Total Other Operating Costs		42,760	-	42,760	-	-	-	-	42,760
Increase/(Decrease) in Required Reserves		-	-	-	-	-	-	-	-
Total General District Requirements		15,755,877	4,623,268	6,935,791	4,196,819	-	-	-	15,755,877
REQUIREMENTS BEFORE OFFSETS:		18,550,511	4,623,268	9,730,425	4,196,819	-	-	-	18,550,511
Revenue Offsets									
Taxes - MWD Portion of SWP GO Debt Service		-	-	-	-	-	-	-	-
Taxes - MWD GO Debt Service		-	-	-	-	-	-	-	-
Interest on Investments		185,322	-	185,322	-	-	-	-	185,322
Hydro-Power Revenue		-	-	-	-	-	-	-	-
CRA Power Revenue		-	-	-	-	-	-	-	-
Wadsworth Pumping Plant (DVL) Power Revenue (cost in dept)		-	-	-	-	-	-	-	-
Misc. allocated to A&G (Lease, Late Fees, etc.)		-	-	-	-	-	-	-	-
Misc. allocated to supply (PVID Lease, CVWD Revenues)		-	-	-	-	-	-	-	-
Taxes - additional from fixed tax rate		-	-	-	-	-	-	-	-
Revenue Reserve used for Revenue Bonds - I&P		-	-	-	-	-	-	-	-
Annexation		-	-	-	-	-	-	-	-
Total Revenue Offsets		185,322	-	185,322	-	-	-	-	185,322
NET REVENUE REQUIREMENTS:		18,365,189	4,623,268	9,545,103	4,196,819	-	-	-	18,365,189

Direct Labor used for A&G Allocation
Allocation of Revenue Requirements: Storage - Other Than Power, Regulatory
Fiscal Year Ending 2020

		Functionalization	Allocation Percentages						Total
			Fixed			Variable Commodity	Other	Hydroelectric	
			Demand	Commodity	Standby				
Departmental O&M									
Group	***Item***								
Office of General Manager		26,078	-	26,078	-	-	-	-	26,078
Office of General Manager	Board of Directors	-	-	-	-	-	-	-	-
Office of General Manager	Bay Delta Initiatives	-	-	-	-	-	-	-	-
External Affairs	Legislative Services	-	-	-	-	-	-	-	-
External Affairs	Media Communications Services	-	-	-	-	-	-	-	-
External Affairs	Manager, External Affairs/Special Projects	-	-	-	-	-	-	-	-
External Affairs	Conservation & Community Services	-	-	-	-	-	-	-	-
Human Resources		56,952	-	56,952	-	-	-	-	56,952
Water Systems Operations	Office of the Manager	9,754	-	9,754	-	-	-	-	9,754
Water Systems Operations	Office of the Manager, Conveyance & Distribution Section	-	-	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Treatment Section	-	-	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Operations Support Services	6,951	-	6,951	-	-	-	-	6,951
Water Systems Operations	Operations Support Services	-	-	-	-	-	-	-	-
Water Systems Operations	Desert Region / C&D CRA	-	-	-	-	-	-	-	-
Water Systems Operations	System Operations Unit	-	-	-	-	-	-	-	-
Water Systems Operations	Power Operations and Planning	-	-	-	-	-	-	-	-
Water Systems Operations	Operations Planning & Programs Unit	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Jensen	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Diemer	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Mills	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Skinner	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Weymouth	-	-	-	-	-	-	-	-
Water Systems Operations	Water Quality Section	524,812	-	524,812	-	-	-	-	524,812
Water Systems Operations	C&D, Eastern Unit	-	-	-	-	-	-	-	-
Water Systems Operations	C&D, Western Unit	-	-	-	-	-	-	-	-
Water Systems Operations	OSS, Manufacturing Services Unit	-	-	-	-	-	-	-	-
Water Systems Operations	Environmental Health & Safety Section	-	-	-	-	-	-	-	-
Water Systems Operations	OSS, Fleet Services Unit	-	-	-	-	-	-	-	-
Water Systems Operations	OSS, Power Support Unit	-	-	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Operations & Planning Section	1,256	-	1,256	-	-	-	-	1,256
Water Systems Operations	Security Team & Security Management	76,175	-	76,175	-	-	-	-	76,175
Office of the Chief Financial Of		-	-	-	-	-	-	-	-
Business Technology	Office of Manager	-	-	-	-	-	-	-	-
Engineering Services		1,215,207	-	1,215,207	-	-	-	-	1,215,207
Business Technology	Administrative Services	-	-	-	-	-	-	-	-
Business Technology	Information Technology	167,934	-	167,934	-	-	-	-	167,934
Water Resources Managemen	Resource Planning & Development	-	-	-	-	-	-	-	-
Water Resources Managemen	Resource Implementation	-	-	-	-	-	-	-	-
Water Resources Managemen	Office of the Group Manager	-	-	-	-	-	-	-	-
Ethics Office		-	-	-	-	-	-	-	-
Real Property		37,019	-	37,019	-	-	-	-	37,019
General Counsel		-	-	-	-	-	-	-	-
General Auditor		-	-	-	-	-	-	-	-
Total Departmental O&M	-	2,122,137	-	2,122,137	-	-	-	-	2,122,137

Allocation Percentages: Storage - Power
Fiscal Year Ending 2020

		Functionalization	Allocation Percentages						% Total
			Fixed			Variable			
			Demand	Commodity	Standby	Commodity	Other	Hydroelectric	
Departmental O&M									
Group	***Item***								
Office of General Manager		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Office of General Manager	Board of Directors	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Office of General Manager	Bay Delta Initiatives	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
External Affairs	Legislative Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
External Affairs	Media Communications Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
External Affairs	Manager, External Affairs/Special Projects	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
External Affairs	Conservation & Community Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Human Resources		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager, Conveyance & Distribution Section	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager, Treatment Section	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager, Operations Support Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Operations Support Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Desert Region / C&D CRA	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	System Operations Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Power Operations and Planning	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Operations Planning & Programs Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Jensen	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Diemer	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Mills	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Skinner	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Weymouth	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Water Quality Section	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	C&D, Eastern Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	C&D, Western Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	OSS, Manufacturing Services Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Environmental Health & Safety Section	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	OSS, Fleet Services Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	OSS, Power Support Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager, Operations & Planning Section	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Security Team & Security Management	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Office of the Chief Financial Officer		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Business Technology	Office of Manager	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Engineering Services		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Business Technology	Administrative Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Business Technology	Information Technology	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Resources Management	Resource Planning & Development	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Resources Management	Resource Implementation	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Resources Management	Office of the Group Manager	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Ethics Office		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Real Property		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
General Counsel		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
General Auditor		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Total Departmental O&M		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
GENERAL DISTRICT REQUIREMENTS									
State Water Project									
Supply - O&M		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Supply - Capital		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Power - O&M & Off-Aq Capital		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Power - Capital (less Off-Aq)		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Transmission - Capital - Commodity, Demand, & Standby		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Transmission - O&M - Commodity only		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
CA WaterFix - Capital		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Total State Water Project		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Colorado River Aqueduct Power Costs		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Supply Programs		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Demand Management Programs		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Local Resources Program		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Future Supply Actions		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Conservation Credits Program		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Total Demand Management Programs		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Capital Financing Program		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Revenue Bond Debt Service net of BABs Interest Subsidy Payment		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
G.O. Bond Debt Service		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Debt Administration & State Revolving Funds		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Bond Defeasance		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
PAYGO		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Total Capital Financing Program		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Other Operating Costs									
Operating Equipment		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
OPEB\PERS Pre-Funding		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Total Other Operating Costs		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Increase/(Decrease) in Required Reserves		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Total General District Requirements		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
REQUIREMENTS BEFORE OFFSETS:		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Revenue Offsets									
Taxes - MWD Portion of SWP GO Debt Service		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Taxes - MWD GO Debt Service		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Interest on Investments		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Hydro-Power Revenue		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
CRA Power Revenue		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Wadsworth Pumping Plant (DVL) Power Revenue (cost in dept)		487,984	0.0%	0.0%	0.0%	100.0%	0.0%	0.0%	100.0%
Misc. allocated to A&G (Lease, Late Fees, etc.)		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Misc. allocated to supply (PVID Lease, CVWD Revenues)		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Taxes - additional from fixed tax rate		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Revenue Reserve used for Revenue Bonds - I&P		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Annexation		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Total Revenue Offsets		487,984	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
NET REVENUE REQUIREMENTS:	-	(487,984)	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

Allocation of Revenue Requirements: Storage - Power
Fiscal Year Ending 2020

		Functionalization	Allocation Percentages						Total
			Fixed			Variable	Other	Hydroelectric	
			Demand	Commodity	Standby	Commodity			
Departmental O&M									
Group	***Item***								
Office of General Manager		-	-	-	-	-	-	-	-
Office of General Manager	Board of Directors	-	-	-	-	-	-	-	-
Office of General Manager	Bay Delta Initiatives	-	-	-	-	-	-	-	-
External Affairs	Legislative Services	-	-	-	-	-	-	-	-
External Affairs	Media Communications Services	-	-	-	-	-	-	-	-
External Affairs	Manager, External Affairs/Special Projects	-	-	-	-	-	-	-	-
External Affairs	Conservation & Community Services	-	-	-	-	-	-	-	-
Human Resources		-	-	-	-	-	-	-	-
Water Systems Operations	Office of the Manager	-	-	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Conveyance & Distribution S	-	-	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Treatment Section	-	-	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Operations Support Service	-	-	-	-	-	-	-	-
Water Systems Operations	Operations Support Services	-	-	-	-	-	-	-	-
Water Systems Operations	Desert Region / C&D CRA	-	-	-	-	-	-	-	-
Water Systems Operations	System Operations Unit	-	-	-	-	-	-	-	-
Water Systems Operations	Power Operations and Planning	-	-	-	-	-	-	-	-
Water Systems Operations	Operations Planning & Programs Unit	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Jensen	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Diemer	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Mills	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Skinner	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Weymouth	-	-	-	-	-	-	-	-
Water Systems Operations	Water Quality Section	-	-	-	-	-	-	-	-
Water Systems Operations	C&D, Eastern Unit	-	-	-	-	-	-	-	-
Water Systems Operations	C&D, Western Unit	-	-	-	-	-	-	-	-
Water Systems Operations	OSS, Manufacturing Services Unit	-	-	-	-	-	-	-	-
Water Systems Operations	Environmental Health & Safety Section	-	-	-	-	-	-	-	-
Water Systems Operations	OSS, Fleet Services Unit	-	-	-	-	-	-	-	-
Water Systems Operations	OSS, Power Support Unit	-	-	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Operations & Planning Secti	-	-	-	-	-	-	-	-
Water Systems Operations	Security Team & Security Management	-	-	-	-	-	-	-	-
Office of the Chief Financial O		-	-	-	-	-	-	-	-
Business Technology	Office of Manager	-	-	-	-	-	-	-	-
Engineering Services		-	-	-	-	-	-	-	-
Business Technology	Administrative Services	-	-	-	-	-	-	-	-
Business Technology	Information Technology	-	-	-	-	-	-	-	-
Water Resources Managemen	Resource Planning & Development	-	-	-	-	-	-	-	-
Water Resources Managemen	Resource Implementation	-	-	-	-	-	-	-	-
Water Resources Managemen	Office of the Group Manager	-	-	-	-	-	-	-	-
Ethics Office		-	-	-	-	-	-	-	-
Real Property		-	-	-	-	-	-	-	-
General Counsel		-	-	-	-	-	-	-	-
General Auditor		-	-	-	-	-	-	-	-
Total Departmental O&M	-	-	-	-	-	-	-	-	-
		-							-
GENERAL DISTRICT REQUIREMENTS		-	-	-	-	-	-	-	-
		-							-
State Water Project		-	-	-	-	-	-	-	-
Supply - O&M		-	-	-	-	-	-	-	-
Supply - Capital		-	-	-	-	-	-	-	-
Power - O&M & Off-Aq Capital		-	-	-	-	-	-	-	-
Power - Capital (less Off-Aq)		-	-	-	-	-	-	-	-
Transmission - Capital - Commodity, Demand, & Standby		-	-	-	-	-	-	-	-
Transmission - O&M - Commodity only		-	-	-	-	-	-	-	-
CA WaterFix - Capital		-	-	-	-	-	-	-	-
Total State Water Project		-	-	-	-	-	-	-	-
		-							-
Colorado River Aqueduct Power Costs		-	-	-	-	-	-	-	-
		-							-
Supply Programs		-	-	-	-	-	-	-	-
									-
Demand Management Programs		-	-	-	-	-	-	-	-
Local Resources Program		-	-	-	-	-	-	-	-
Future Supply Actions		-	-	-	-	-	-	-	-
Conservation Credits Program		-	-	-	-	-	-	-	-
Total Demand Management Programs		-	-	-	-	-	-	-	-
Capital Financing Program		-	-	-	-	-	-	-	-
Revenue Bond Debt Service net of BABs Interest Subsidy Payment		-	-	-	-	-	-	-	-
G.O. Bond Debt Service		-	-	-	-	-	-	-	-
Debt Administration & State Revolving Funds		-	-	-	-	-	-	-	-
Bond Defeasance		-	-	-	-	-	-	-	-
PAYGO		-	-	-	-	-	-	-	-
Total Capital Financing Program		-	-	-	-	-	-	-	-
Other Operating Costs		-	-	-	-	-	-	-	-
Operating Equipment		-	-	-	-	-	-	-	-
OPEB\PERS Pre-Funding		-	-	-	-	-	-	-	-
Total Other Operating Costs		-	-	-	-	-	-	-	-
Increase/(Decrease) in Required Reserves		-	-	-	-	-	-	-	-
Total General District Requirements		-	-	-	-	-	-	-	-
REQUIREMENTS BEFORE OFFSETS:		-	-	-	-	-	-	-	-
Revenue Offsets									
Taxes - MWD Portion of SWP GO Debt Service		-	-	-	-	-	-	-	-
Taxes - MWD GO Debt Service		-	-	-	-	-	-	-	-
Interest on Investments		-	-	-	-	-	-	-	-
Hydro-Power Revenue		-	-	-	-	-	-	-	-
CRA Power Revenue		-	-	-	-	-	-	-	-
Wadsworth Pumping Plant (DVL) Power Revenue (cost in dept)		487,984	-	-	-	487,984	-	-	487,984
Misc. allocated to A&G (Lease, Late Fees, etc.)		-	-	-	-	-	-	-	-
Misc. allocated to supply (PVID Lease, CVWD Revenues)		-	-	-	-	-	-	-	-
Taxes - additional from fixed tax rate		-	-	-	-	-	-	-	-
Revenue Reserve used for Revenue Bonds - I&P		-	-	-	-	-	-	-	-
Annexation		-	-	-	-	-	-	-	-
Total Revenue Offsets		487,984	-	-	-	487,984	-	-	487,984
NET REVENUE REQUIREMENTS:		(487,984)	-	-	-	(487,984)	-	-	(487,984)

Direct Labor used for A&G Allocation
Allocation of Revenue Requirements: Storage - Power
Fiscal Year Ending 2020

		Functionalization	Allocation Percentages						Total
			Fixed			Variable Commodity	Other	Hydroelectric	
			Demand	Commodity	Standby				
Departmental O&M									
Group	***Item***								
Office of General Manager		-	-	-	-	-	-	-	-
Office of General Manager	Board of Directors	-	-	-	-	-	-	-	-
Office of General Manager	Bay Delta Initiatives	-	-	-	-	-	-	-	-
External Affairs	Legislative Services	-	-	-	-	-	-	-	-
External Affairs	Media Communications Services	-	-	-	-	-	-	-	-
External Affairs	Manager, External Affairs/Special Projects	-	-	-	-	-	-	-	-
External Affairs	Conservation & Community Services	-	-	-	-	-	-	-	-
Human Resources		-	-	-	-	-	-	-	-
Water Systems Operations	Office of the Manager	-	-	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Conveyance & Distribution Section	-	-	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Treatment Section	-	-	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Operations Support Services	-	-	-	-	-	-	-	-
Water Systems Operations	Operations Support Services	-	-	-	-	-	-	-	-
Water Systems Operations	Desert Region / C&D CRA	-	-	-	-	-	-	-	-
Water Systems Operations	System Operations Unit	-	-	-	-	-	-	-	-
Water Systems Operations	Power Operations and Planning	-	-	-	-	-	-	-	-
Water Systems Operations	Operations Planning & Programs Unit	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Jensen	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Diemer	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Mills	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Skinner	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Weymouth	-	-	-	-	-	-	-	-
Water Systems Operations	Water Quality Section	-	-	-	-	-	-	-	-
Water Systems Operations	C&D, Eastern Unit	-	-	-	-	-	-	-	-
Water Systems Operations	C&D, Western Unit	-	-	-	-	-	-	-	-
Water Systems Operations	OSS, Manufacturing Services Unit	-	-	-	-	-	-	-	-
Water Systems Operations	Environmental Health & Safety Section	-	-	-	-	-	-	-	-
Water Systems Operations	OSS, Fleet Services Unit	-	-	-	-	-	-	-	-
Water Systems Operations	OSS, Power Support Unit	-	-	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Operations & Planning Section	-	-	-	-	-	-	-	-
Water Systems Operations	Security Team & Security Management	-	-	-	-	-	-	-	-
Office of the Chief Financial O		-	-	-	-	-	-	-	-
Business Technology	Office of Manager	-	-	-	-	-	-	-	-
Engineering Services		-	-	-	-	-	-	-	-
Business Technology	Administrative Services	-	-	-	-	-	-	-	-
Business Technology	Information Technology	-	-	-	-	-	-	-	-
Water Resources Managemen	Resource Planning & Development	-	-	-	-	-	-	-	-
Water Resources Managemen	Resource Implementation	-	-	-	-	-	-	-	-
Water Resources Managemen	Office of the Group Manager	-	-	-	-	-	-	-	-
Ethics Office		-	-	-	-	-	-	-	-
Real Property		-	-	-	-	-	-	-	-
General Counsel		-	-	-	-	-	-	-	-
General Auditor		-	-	-	-	-	-	-	-
Total Departmental O&M	-	-	-	-	-	-	-	-	-

Allocation Percentages: Treatment - Jensen
Fiscal Year Ending 2020

		Functionalization	Allocation Percentages						% Total
			Fixed			Variable Commodity	Other	Hydroelectric	
			Demand	Commodity	Standby				
Departmental O&M									
Group	***Item***								
Office of General Manager		252,095	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Office of General Manager	Board of Directors	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Office of General Manager	Bay Delta Initiatives	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
External Affairs	Legislative Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
External Affairs	Media Communications Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
External Affairs	Manager, External Affairs/Special Projects	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
External Affairs	Conservation & Community Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Human Resources		621,607	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager	354,818	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager, Conveyance & Distribution Section	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager, Treatment Section	205,121	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager, Operations Support Services	167,941	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Operations Support Services	103,868	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Desert Region / C&D CRA	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	System Operations Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Power Operations and Planning	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Operations Planning & Programs Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Jensen	13,589,088	0.0%	64.1%	0.0%	35.9%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Diemer	-	0.0%	55.5%	0.0%	44.5%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Mills	-	0.0%	72.6%	0.0%	27.4%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Skinner	-	0.0%	65.0%	0.0%	35.0%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Weymouth	-	0.0%	58.3%	0.0%	41.7%	0.0%	0.0%	100.0%
Water Systems Operations	Water Quality Section	2,338,419	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	C&D, Eastern Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	C&D, Western Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	OSS, Manufacturing Services Unit	133,122	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Environmental Health & Safety Section	1,545,784	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	OSS, Fleet Services Unit	479,511	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	OSS, Power Support Unit	223,096	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager, Operations & Planning Section	26,678	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Security Team & Security Management	580,165	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Office of the Chief Financial Officer		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Business Technology	Office of Manager	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Engineering Services		1,995,058	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Business Technology	Administrative Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Business Technology	Information Technology	2,087,617	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Resources Management	Resource Planning & Development	871	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Resources Management	Resource Implementation	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Resources Management	Office of the Group Manager	128	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Ethics Office		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Real Property		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
General Counsel		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
General Auditor		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Total Departmental O&M		24,704,988	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
GENERAL DISTRICT REQUIREMENTS									
State Water Project									
Supply - O&M		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Supply - Capital		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Power - O&M & Off-Aq Capital		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Power - Capital (less Off-Aq)		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Transmission - Capital - Commodity, Demand, & Standby		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Transmission - O&M - Commodity only		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
CA WaterFix - Capital		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Total State Water Project		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Colorado River Aqueduct Power Costs		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Supply Programs		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Demand Management Programs		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Local Resources Program		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Future Supply Actions		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Conservation Credits Program		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Total Demand Management Programs		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Capital Financing Program		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Revenue Bond Debt Service net of BABs Interest Subsidy Payment		16,813,363	36.4%	33.4%	30.1%	0.0%	0.0%	0.0%	100.0%
G.O. Bond Debt Service		778,685	36.4%	33.4%	30.1%	0.0%	0.0%	0.0%	100.0%
Debt Administration & State Revolving Funds		376,887	36.4%	33.4%	30.1%	0.0%	0.0%	0.0%	100.0%
Bond Defeasance		-	36.4%	33.4%	30.1%	0.0%	0.0%	0.0%	100.0%
PAYGO		6,516,000	36.4%	33.4%	30.1%	0.0%	0.0%	0.0%	100.0%
Total Capital Financing Program		24,484,935	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Other Operating Costs									
Operating Equipment		349,959	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
OPEB\PERS Pre-Funding		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Total Other Operating Costs		349,959	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Increase/(Decrease) in Required Reserves		-	35.9%	34.4%	29.7%	0.0%	0.0%	0.0%	100.0%
Total General District Requirements		24,834,894	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
REQUIREMENTS BEFORE OFFSETS:		49,539,882	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Revenue Offsets									
Taxes - MWD Portion of SWP GO Debt Service		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Taxes - MWD GO Debt Service		778,685	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Interest on Investments		494,909	36.4%	33.4%	30.1%	0.0%	0.0%	0.0%	100.0%
Hydro-Power Revenue		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
CRA Power Revenue		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Wadsworth Pumping Plant (DVL) Power Revenue (cost in dept)		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Misc. allocated to A&G (Lease, Late Fees, etc.)		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Misc. allocated to supply (PVID Lease, CVWD Revenues)		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Taxes - additional from fixed tax rate		-	36.4%	33.4%	30.1%	0.0%	0.0%	0.0%	100.0%
Revenue Reserve used for Revenue Bonds - I&P		-	36.4%	33.4%	30.1%	0.0%	0.0%	0.0%	100.0%
Annexation		-	36.4%	33.4%	30.1%	0.0%	0.0%	0.0%	100.0%
Total Revenue Offsets		1,273,593	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
NET REVENUE REQUIREMENTS:	-	48,266,289	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

Allocation of Revenue Requirements: Treatment - Jensen
Fiscal Year Ending 2020

		Functionalization	Allocation Percentages						Total
			Fixed			Variable	Other	Hydroelectric	
			Demand	Commodity	Standby	Commodity			
Departmental O&M									
Group	***Item***								
Office of General Manager		252,095	-	252,095	-	-	-	-	252,095
Office of General Manager	Board of Directors	-	-	-	-	-	-	-	-
Office of General Manager	Bay Delta Initiatives	-	-	-	-	-	-	-	-
External Affairs	Legislative Services	-	-	-	-	-	-	-	-
External Affairs	Media Communications Services	-	-	-	-	-	-	-	-
External Affairs	Manager, External Affairs/Special Projects	-	-	-	-	-	-	-	-
External Affairs	Conservation & Community Services	-	-	-	-	-	-	-	-
Human Resources		621,607	-	621,607	-	-	-	-	621,607
Water Systems Operations	Office of the Manager	354,818	-	354,818	-	-	-	-	354,818
Water Systems Operations	Office of the Manager, Conveyance & Distribution S	-	-	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Treatment Section	205,121	-	205,121	-	-	-	-	205,121
Water Systems Operations	Office of the Manager, Operations Support Service	167,941	-	167,941	-	-	-	-	167,941
Water Systems Operations	Operations Support Services	103,868	-	103,868	-	-	-	-	103,868
Water Systems Operations	Desert Region / C&D CRA	-	-	-	-	-	-	-	-
Water Systems Operations	System Operations Unit	-	-	-	-	-	-	-	-
Water Systems Operations	Power Operations and Planning	-	-	-	-	-	-	-	-
Water Systems Operations	Operations Planning & Programs Unit	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Jensen	13,589,088	-	8,709,566	-	4,879,523	-	-	13,589,088
Water Systems Operations	Treatment Diemer	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Mills	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Skinner	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Weymouth	-	-	-	-	-	-	-	-
Water Systems Operations	Water Quality Section	2,338,419	-	2,338,419	-	-	-	-	2,338,419
Water Systems Operations	C&D, Eastern Unit	-	-	-	-	-	-	-	-
Water Systems Operations	C&D, Western Unit	-	-	-	-	-	-	-	-
Water Systems Operations	OSS, Manufacturing Services Unit	133,122	-	133,122	-	-	-	-	133,122
Water Systems Operations	Environmental Health & Safety Section	1,545,784	-	1,545,784	-	-	-	-	1,545,784
Water Systems Operations	OSS, Fleet Services Unit	479,511	-	479,511	-	-	-	-	479,511
Water Systems Operations	OSS, Power Support Unit	223,096	-	223,096	-	-	-	-	223,096
Water Systems Operations	Office of the Manager, Operations & Planning Secti	26,678	-	26,678	-	-	-	-	26,678
Water Systems Operations	Security Team & Security Management	580,165	-	580,165	-	-	-	-	580,165
Office of the Chief Financial O		-	-	-	-	-	-	-	-
Business Technology	Office of Manager	-	-	-	-	-	-	-	-
Engineering Services		1,995,058	-	1,995,058	-	-	-	-	1,995,058
Business Technology	Administrative Services	-	-	-	-	-	-	-	-
Business Technology	Information Technology	2,087,617	-	2,087,617	-	-	-	-	2,087,617
Water Resources Managemen	Resource Planning & Development	871	-	871	-	-	-	-	871
Water Resources Managemen	Resource Implementation	-	-	-	-	-	-	-	-
Water Resources Managemen	Office of the Group Manager	128	-	128	-	-	-	-	128
Ethics Office		-	-	-	-	-	-	-	-
Real Property		-	-	-	-	-	-	-	-
General Counsel		-	-	-	-	-	-	-	-
General Auditor		-	-	-	-	-	-	-	-
Total Departmental O&M	-	24,704,988	-	19,825,466	-	4,879,523	-	-	24,704,988
		-							-
GENERAL DISTRICT REQUIREMENTS		-	-	-	-	-	-	-	-
		-							-
State Water Project		-	-	-	-	-	-	-	-
Supply - O&M		-	-	-	-	-	-	-	-
Supply - Capital		-	-	-	-	-	-	-	-
Power - O&M & Off-Aq Capital		-	-	-	-	-	-	-	-
Power - Capital (less Off-Aq)		-	-	-	-	-	-	-	-
Transmission - Capital - Commodity, Demand, & Standby		-	-	-	-	-	-	-	-
Transmission - O&M - Commodity only		-	-	-	-	-	-	-	-
CA WaterFix - Capital		-	-	-	-	-	-	-	-
Total State Water Project		-	-	-	-	-	-	-	-
		-							-
Colorado River Aqueduct Power Costs		-	-	-	-	-	-	-	-
		-							-
Supply Programs		-	-	-	-	-	-	-	-
									-
Demand Management Programs		-	-	-	-	-	-	-	-
Local Resources Program		-	-	-	-	-	-	-	-
Future Supply Actions		-	-	-	-	-	-	-	-
Conservation Credits Program		-	-	-	-	-	-	-	-
Total Demand Management Programs		-	-	-	-	-	-	-	-
Capital Financing Program		-	-	-	-	-	-	-	-
Revenue Bond Debt Service net of BABs Interest Subsidy Payment		16,813,363	6,127,170	5,621,257	5,064,936	-	-	-	16,813,363
G.O. Bond Debt Service		778,685	283,770	260,340	234,575	-	-	-	778,685
Debt Administration & State Revolving Funds		376,887	137,346	126,006	113,535	-	-	-	376,887
Bond Defeasance		-	-	-	-	-	-	-	-
PAYGO		6,516,000	2,374,578	2,178,512	1,962,910	-	-	-	6,516,000
Total Capital Financing Program		24,484,935	8,922,865	8,186,114	7,375,956	-	-	-	24,484,935
Other Operating Costs		-	-	-	-	-	-	-	-
Operating Equipment		349,959	-	349,959	-	-	-	-	349,959
OPEB\PERS Pre-Funding		-	-	-	-	-	-	-	-
Total Other Operating Costs		349,959	-	349,959	-	-	-	-	349,959
Increase/(Decrease) in Required Reserves		-	-	-	-	-	-	-	-
Total General District Requirements		24,834,894	8,922,865	8,536,073	7,375,956	-	-	-	24,834,894
REQUIREMENTS BEFORE OFFSETS:		49,539,882	8,922,865	28,361,539	7,375,956	4,879,523	-	-	49,539,882
Revenue Offsets									
Taxes - MWD Portion of SWP GO Debt Service		-	-	-	-	-	-	-	-
Taxes - MWD GO Debt Service		778,685	-	-	778,685	-	-	-	778,685
Interest on Investments		494,909	180,356	165,464	149,089	-	-	-	494,909
Hydro-Power Revenue		-	-	-	-	-	-	-	-
CRA Power Revenue		-	-	-	-	-	-	-	-
Wadsworth Pumping Plant (DVL) Power Revenue (cost in dept)		-	-	-	-	-	-	-	-
Misc. allocated to A&G (Lease, Late Fees, etc.)		-	-	-	-	-	-	-	-
Misc. allocated to supply (PVID Lease, CVWD Revenues)		-	-	-	-	-	-	-	-
Taxes - additional from fixed tax rate		-	-	-	-	-	-	-	-
Revenue Reserve used for Revenue Bonds - I&P		-	-	-	-	-	-	-	-
Annexation		-	-	-	-	-	-	-	-
Total Revenue Offsets		1,273,593	180,356	165,464	927,773	-	-	-	1,273,593
NET REVENUE REQUIREMENTS:		48,266,289	8,742,509	28,196,075	6,448,182	4,879,523	-	-	48,266,289

Direct Labor used for A&G Allocation
Allocation of Revenue Requirements: Treatment - Jensen
Fiscal Year Ending 2020

		Functionalization	Allocation Percentages						Total
			Fixed			Variable Commodity	Other	Hydroelectric	
			Demand	Commodity	Standby				
Departmental O&M									
Group	***Item***								
Office of General Manager		230,537	-	230,537	-	-	-	-	230,537
Office of General Manager	Board of Directors	-	-	-	-	-	-	-	-
Office of General Manager	Bay Delta Initiatives	-	-	-	-	-	-	-	-
External Affairs	Legislative Services	-	-	-	-	-	-	-	-
External Affairs	Media Communications Services	-	-	-	-	-	-	-	-
External Affairs	Manager, External Affairs/Special Projects	-	-	-	-	-	-	-	-
External Affairs	Conservation & Community Services	-	-	-	-	-	-	-	-
Human Resources		503,462	-	503,462	-	-	-	-	503,462
Water Systems Operations	Office of the Manager	209,832	-	209,832	-	-	-	-	209,832
Water Systems Operations	Office of the Manager, Conveyance & Distribution Section	-	-	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Treatment Section	148,772	-	148,772	-	-	-	-	148,772
Water Systems Operations	Office of the Manager, Operations Support Services	149,526	-	149,526	-	-	-	-	149,526
Water Systems Operations	Operations Support Services	95,122	-	95,122	-	-	-	-	95,122
Water Systems Operations	Desert Region / C&D CRA	-	-	-	-	-	-	-	-
Water Systems Operations	System Operations Unit	-	-	-	-	-	-	-	-
Water Systems Operations	Power Operations and Planning	-	-	-	-	-	-	-	-
Water Systems Operations	Operations Planning & Programs Unit	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Jensen	8,777,550	-	8,777,550	-	-	-	-	8,777,550
Water Systems Operations	Treatment Diemer	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Mills	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Skinner	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Weymouth	-	-	-	-	-	-	-	-
Water Systems Operations	Water Quality Section	1,897,710	-	1,897,710	-	-	-	-	1,897,710
Water Systems Operations	C&D, Eastern Unit	-	-	-	-	-	-	-	-
Water Systems Operations	C&D, Western Unit	-	-	-	-	-	-	-	-
Water Systems Operations	OSS, Manufacturing Services Unit	120,709	-	120,709	-	-	-	-	120,709
Water Systems Operations	Environmental Health & Safety Section	1,264,835	-	1,264,835	-	-	-	-	1,264,835
Water Systems Operations	OSS, Fleet Services Unit	306,812	-	306,812	-	-	-	-	306,812
Water Systems Operations	OSS, Power Support Unit	202,506	-	202,506	-	-	-	-	202,506
Water Systems Operations	Office of the Manager, Operations & Planning Section	27,017	-	27,017	-	-	-	-	27,017
Water Systems Operations	Security Team & Security Management	114,924	-	114,924	-	-	-	-	114,924
Office of the Chief Financial Of		-	-	-	-	-	-	-	-
Business Technology	Office of Manager	-	-	-	-	-	-	-	-
Engineering Services		1,833,373	-	1,833,373	-	-	-	-	1,833,373
Business Technology	Administrative Services	-	-	-	-	-	-	-	-
Business Technology	Information Technology	1,484,564	-	1,484,564	-	-	-	-	1,484,564
Water Resources Managemen	Resource Planning & Development	799	-	799	-	-	-	-	799
Water Resources Managemen	Resource Implementation	-	-	-	-	-	-	-	-
Water Resources Managemen	Office of the Group Manager	128	-	128	-	-	-	-	128
Ethics Office		-	-	-	-	-	-	-	-
Real Property		-	-	-	-	-	-	-	-
General Counsel		-	-	-	-	-	-	-	-
General Auditor		-	-	-	-	-	-	-	-
Total Departmental O&M	-	17,368,177	-	17,368,177	-	-	-	-	17,368,177

Allocation Percentages: Treatment - Weymouth
Fiscal Year Ending 2020

		Functionalization	Allocation Percentages						% Total
			Fixed			Variable Commodity	Other	Hydroelectric	
			Demand	Commodity	Standby				
Departmental O&M									
Group	***Item***								
Office of General Manager		278,893	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Office of General Manager	Board of Directors	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Office of General Manager	Bay Delta Initiatives	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
External Affairs	Legislative Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
External Affairs	Media Communications Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
External Affairs	Manager, External Affairs/Special Projects	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
External Affairs	Conservation & Community Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Human Resources		687,682	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager	373,421	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager, Conveyance & Distribution Section	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager, Treatment Section	237,229	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager, Operations Support Services	176,747	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Operations Support Services	103,868	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Desert Region / C&D CRA	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	System Operations Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Power Operations and Planning	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Operations Planning & Programs Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Jensen	-	0.0%	64.1%	0.0%	35.9%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Diemer	-	0.0%	55.5%	0.0%	44.5%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Mills	-	0.0%	72.6%	0.0%	27.4%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Skinner	-	0.0%	65.0%	0.0%	35.0%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Weymouth	15,716,185	0.0%	58.3%	0.0%	41.7%	0.0%	0.0%	100.0%
Water Systems Operations	Water Quality Section	2,338,419	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	C&D, Eastern Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	C&D, Western Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	OSS, Manufacturing Services Unit	133,122	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Environmental Health & Safety Section	1,545,784	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	OSS, Fleet Services Unit	479,511	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	OSS, Power Support Unit	223,096	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager, Operations & Planning Section	28,077	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Security Team & Security Management	607,945	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Office of the Chief Financial Officer		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Business Technology	Office of Manager	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Engineering Services		2,090,585	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Business Technology	Administrative Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Business Technology	Information Technology	2,309,528	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Resources Management	Resource Planning & Development	871	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Resources Management	Resource Implementation	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Resources Management	Office of the Group Manager	128	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Ethics Office		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Real Property		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
General Counsel		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
General Auditor		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Total Departmental O&M		27,331,090	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
GENERAL DISTRICT REQUIREMENTS									
State Water Project									
Supply - O&M		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Supply - Capital		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Power - O&M & Off-Aq Capital		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Power - Capital (less Off-Aq)		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Transmission - Capital - Commodity, Demand, & Standby		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Transmission - O&M - Commodity only		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
CA WaterFix - Capital		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Total State Water Project		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Colorado River Aqueduct Power Costs		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Supply Programs		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Demand Management Programs		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Local Resources Program		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Future Supply Actions		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Conservation Credits Program		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Total Demand Management Programs		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Capital Financing Program		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Revenue Bond Debt Service net of BABs Interest Subsidy Payment		17,618,422	36.4%	33.4%	30.1%	0.0%	0.0%	0.0%	100.0%
G.O. Bond Debt Service		815,970	36.4%	33.4%	30.1%	0.0%	0.0%	0.0%	100.0%
Debt Administration & State Revolving Funds		394,934	36.4%	33.4%	30.1%	0.0%	0.0%	0.0%	100.0%
Bond Defeasance		-	36.4%	33.4%	30.1%	0.0%	0.0%	0.0%	100.0%
PAYGO		6,828,000	36.4%	33.4%	30.1%	0.0%	0.0%	0.0%	100.0%
Total Capital Financing Program		25,657,326	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Other Operating Costs									
Operating Equipment		370,546	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
OPEB\PERS Pre-Funding		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Total Other Operating Costs		370,546	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Increase/(Decrease) in Required Reserves		-	35.9%	34.4%	29.7%	0.0%	0.0%	0.0%	100.0%
Total General District Requirements		26,027,872	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
REQUIREMENTS BEFORE OFFSETS:		53,358,962	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Revenue Offsets									
Taxes - MWD Portion of SWP GO Debt Service		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Taxes - MWD GO Debt Service		815,970	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Interest on Investments		533,062	36.4%	33.4%	30.1%	0.0%	0.0%	0.0%	100.0%
Hydro-Power Revenue		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
CRA Power Revenue		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Wadsworth Pumping Plant (DVL) Power Revenue (cost in dept)		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Misc. allocated to A&G (Lease, Late Fees, etc.)		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Misc. allocated to supply (PVID Lease, CVWD Revenues)		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Taxes - additional from fixed tax rate		-	36.4%	33.4%	30.1%	0.0%	0.0%	0.0%	100.0%
Revenue Reserve used for Revenue Bonds - I&P		-	36.4%	33.4%	30.1%	0.0%	0.0%	0.0%	100.0%
Annexation		-	36.4%	33.4%	30.1%	0.0%	0.0%	0.0%	100.0%
Total Revenue Offsets		1,349,031	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
NET REVENUE REQUIREMENTS:	-	52,009,931	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

Allocation of Revenue Requirements: Treatment - Weymouth
Fiscal Year Ending 2020

		Functionalization	Allocation Percentages						Total
			Fixed			Variable Commodity	Other	Hydroelectric	
			Demand	Commodity	Standby				
Departmental O&M									
Group	***Item***								
Office of General Manager		278,893	-	278,893	-	-	-	-	278,893
Office of General Manager	Board of Directors	-	-	-	-	-	-	-	-
Office of General Manager	Bay Delta Initiatives	-	-	-	-	-	-	-	-
External Affairs	Legislative Services	-	-	-	-	-	-	-	-
External Affairs	Media Communications Services	-	-	-	-	-	-	-	-
External Affairs	Manager, External Affairs/Special Projects	-	-	-	-	-	-	-	-
External Affairs	Conservation & Community Services	-	-	-	-	-	-	-	-
Human Resources		687,682	-	687,682	-	-	-	-	687,682
Water Systems Operations	Office of the Manager	373,421	-	373,421	-	-	-	-	373,421
Water Systems Operations	Office of the Manager, Conveyance & Distribution S	-	-	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Treatment Section	237,229	-	237,229	-	-	-	-	237,229
Water Systems Operations	Office of the Manager, Operations Support Service	176,747	-	176,747	-	-	-	-	176,747
Water Systems Operations	Operations Support Services	103,868	-	103,868	-	-	-	-	103,868
Water Systems Operations	Desert Region / C&D CRA	-	-	-	-	-	-	-	-
Water Systems Operations	System Operations Unit	-	-	-	-	-	-	-	-
Water Systems Operations	Power Operations and Planning	-	-	-	-	-	-	-	-
Water Systems Operations	Operations Planning & Programs Unit	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Jensen	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Diemer	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Mills	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Skinner	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Weymouth	15,716,185	-	9,159,931	-	6,556,254	-	-	15,716,185
Water Systems Operations	Water Quality Section	2,338,419	-	2,338,419	-	-	-	-	2,338,419
Water Systems Operations	C&D, Eastern Unit	-	-	-	-	-	-	-	-
Water Systems Operations	C&D, Western Unit	-	-	-	-	-	-	-	-
Water Systems Operations	OSS, Manufacturing Services Unit	133,122	-	133,122	-	-	-	-	133,122
Water Systems Operations	Environmental Health & Safety Section	1,545,784	-	1,545,784	-	-	-	-	1,545,784
Water Systems Operations	OSS, Fleet Services Unit	479,511	-	479,511	-	-	-	-	479,511
Water Systems Operations	OSS, Power Support Unit	223,096	-	223,096	-	-	-	-	223,096
Water Systems Operations	Office of the Manager, Operations & Planning Secti	28,077	-	28,077	-	-	-	-	28,077
Water Systems Operations	Security Team & Security Management	607,945	-	607,945	-	-	-	-	607,945
Office of the Chief Financial O		-	-	-	-	-	-	-	-
Business Technology	Office of Manager	-	-	-	-	-	-	-	-
Engineering Services		2,090,585	-	2,090,585	-	-	-	-	2,090,585
Business Technology	Administrative Services	-	-	-	-	-	-	-	-
Business Technology	Information Technology	2,309,528	-	2,309,528	-	-	-	-	2,309,528
Water Resources Managemen	Resource Planning & Development	871	-	871	-	-	-	-	871
Water Resources Managemen	Resource Implementation	-	-	-	-	-	-	-	-
Water Resources Managemen	Office of the Group Manager	128	-	128	-	-	-	-	128
Ethics Office		-	-	-	-	-	-	-	-
Real Property		-	-	-	-	-	-	-	-
General Counsel		-	-	-	-	-	-	-	-
General Auditor		-	-	-	-	-	-	-	-
Total Departmental O&M	-	27,331,090	-	20,774,836	-	6,556,254	-	-	27,331,090
		-							-
GENERAL DISTRICT REQUIREMENTS		-	-	-	-	-	-	-	-
		-							-
State Water Project		-	-	-	-	-	-	-	-
Supply - O&M		-	-	-	-	-	-	-	-
Supply - Capital		-	-	-	-	-	-	-	-
Power - O&M & Off-Aq Capital		-	-	-	-	-	-	-	-
Power - Capital (less Off-Aq)		-	-	-	-	-	-	-	-
Transmission - Capital - Commodity, Demand, & Standby		-	-	-	-	-	-	-	-
Transmission - O&M - Commodity only		-	-	-	-	-	-	-	-
CA WaterFix - Capital		-	-	-	-	-	-	-	-
Total State Water Project		-	-	-	-	-	-	-	-
		-							-
Colorado River Aqueduct Power Costs		-	-	-	-	-	-	-	-
		-							-
Supply Programs		-	-	-	-	-	-	-	-
									-
Demand Management Programs		-	-	-	-	-	-	-	-
Local Resources Program		-	-	-	-	-	-	-	-
Future Supply Actions		-	-	-	-	-	-	-	-
Conservation Credits Program		-	-	-	-	-	-	-	-
Total Demand Management Programs		-	-	-	-	-	-	-	-
Capital Financing Program		-	-	-	-	-	-	-	-
Revenue Bond Debt Service net of BABs Interest Subsidy Payment		17,618,422	6,420,552	5,890,415	5,307,456	-	-	-	17,618,422
G.O. Bond Debt Service		815,970	297,358	272,805	245,807	-	-	-	815,970
Debt Administration & State Revolving Funds		394,934	143,923	132,039	118,972	-	-	-	394,934
Bond Defeasance		-	-	-	-	-	-	-	-
PAYGO		6,828,000	2,488,278	2,282,824	2,056,899	-	-	-	6,828,000
Total Capital Financing Program		25,657,326	9,350,110	8,578,083	7,729,132	-	-	-	25,657,326
Other Operating Costs		-	-	-	-	-	-	-	-
Operating Equipment		370,546	-	370,546	-	-	-	-	370,546
OPEB\PERS Pre-Funding		-	-	-	-	-	-	-	-
Total Other Operating Costs		370,546	-	370,546	-	-	-	-	370,546
Increase/(Decrease) in Required Reserves		-	-	-	-	-	-	-	-
Total General District Requirements		26,027,872	9,350,110	8,948,629	7,729,132	-	-	-	26,027,872
REQUIREMENTS BEFORE OFFSETS:		53,358,962	9,350,110	29,723,466	7,729,132	6,556,254	-	-	53,358,962
Revenue Offsets									
Taxes - MWD Portion of SWP GO Debt Service		-	-	-	-	-	-	-	-
Taxes - MWD GO Debt Service		815,970	-	-	815,970	-	-	-	815,970
Interest on Investments		533,062	194,260	178,220	160,582	-	-	-	533,062
Hydro-Power Revenue		-	-	-	-	-	-	-	-
CRA Power Revenue		-	-	-	-	-	-	-	-
Wadsworth Pumping Plant (DVL) Power Revenue (cost in dept)		-	-	-	-	-	-	-	-
Misc. allocated to A&G (Lease, Late Fees, etc.)		-	-	-	-	-	-	-	-
Misc. allocated to supply (PVID Lease, CVWD Revenues)		-	-	-	-	-	-	-	-
Taxes - additional from fixed tax rate		-	-	-	-	-	-	-	-
Revenue Reserve used for Revenue Bonds - I&P		-	-	-	-	-	-	-	-
Annexation		-	-	-	-	-	-	-	-
Total Revenue Offsets		1,349,031	194,260	178,220	976,552	-	-	-	1,349,031
NET REVENUE REQUIREMENTS:		52,009,931	9,155,851	29,545,246	6,752,581	6,556,254	-	-	52,009,931

Direct Labor used for A&G Allocation
Allocation of Revenue Requirements: Treatment - Weymouth
Fiscal Year Ending 2020

		Functionalization	Allocation Percentages						Total
			Fixed			Variable Commodity	Other	Hydroelectric	
			Demand	Commodity	Standby				
Departmental O&M									
Group	***Item***								
Office of General Manager		255,043	-	255,043	-	-	-	-	255,043
Office of General Manager	Board of Directors	-	-	-	-	-	-	-	-
Office of General Manager	Bay Delta Initiatives	-	-	-	-	-	-	-	-
External Affairs	Legislative Services	-	-	-	-	-	-	-	-
External Affairs	Media Communications Services	-	-	-	-	-	-	-	-
External Affairs	Manager, External Affairs/Special Projects	-	-	-	-	-	-	-	-
External Affairs	Conservation & Community Services	-	-	-	-	-	-	-	-
Human Resources		556,980	-	556,980	-	-	-	-	556,980
Water Systems Operations	Office of the Manager	220,834	-	220,834	-	-	-	-	220,834
Water Systems Operations	Office of the Manager, Conveyance & Distribution Section	-	-	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Treatment Section	172,059	-	172,059	-	-	-	-	172,059
Water Systems Operations	Office of the Manager, Operations Support Services	157,365	-	157,365	-	-	-	-	157,365
Water Systems Operations	Operations Support Services	95,122	-	95,122	-	-	-	-	95,122
Water Systems Operations	Desert Region / C&D CRA	-	-	-	-	-	-	-	-
Water Systems Operations	System Operations Unit	-	-	-	-	-	-	-	-
Water Systems Operations	Power Operations and Planning	-	-	-	-	-	-	-	-
Water Systems Operations	Operations Planning & Programs Unit	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Jensen	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Diemer	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Mills	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Skinner	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Weymouth	9,426,621	-	9,426,621	-	-	-	-	9,426,621
Water Systems Operations	Water Quality Section	1,897,710	-	1,897,710	-	-	-	-	1,897,710
Water Systems Operations	C&D, Eastern Unit	-	-	-	-	-	-	-	-
Water Systems Operations	C&D, Western Unit	-	-	-	-	-	-	-	-
Water Systems Operations	OSS, Manufacturing Services Unit	120,709	-	120,709	-	-	-	-	120,709
Water Systems Operations	Environmental Health & Safety Section	1,264,835	-	1,264,835	-	-	-	-	1,264,835
Water Systems Operations	OSS, Fleet Services Unit	306,812	-	306,812	-	-	-	-	306,812
Water Systems Operations	OSS, Power Support Unit	202,506	-	202,506	-	-	-	-	202,506
Water Systems Operations	Office of the Manager, Operations & Planning Section	28,434	-	28,434	-	-	-	-	28,434
Water Systems Operations	Security Team & Security Management	120,427	-	120,427	-	-	-	-	120,427
Office of the Chief Financial O		-	-	-	-	-	-	-	-
Business Technology	Office of Manager	-	-	-	-	-	-	-	-
Engineering Services		1,921,158	-	1,921,158	-	-	-	-	1,921,158
Business Technology	Administrative Services	-	-	-	-	-	-	-	-
Business Technology	Information Technology	1,642,371	-	1,642,371	-	-	-	-	1,642,371
Water Resources Managemen	Resource Planning & Development	799	-	799	-	-	-	-	799
Water Resources Managemen	Resource Implementation	-	-	-	-	-	-	-	-
Water Resources Managemen	Office of the Group Manager	128	-	128	-	-	-	-	128
Ethics Office		-	-	-	-	-	-	-	-
Real Property		-	-	-	-	-	-	-	-
General Counsel		-	-	-	-	-	-	-	-
General Auditor		-	-	-	-	-	-	-	-
Total Departmental O&M	-	18,389,911	-	18,389,911	-	-	-	-	18,389,911

Allocation Percentages: Treatment - Diemer
Fiscal Year Ending 2020

		Functionalization	Allocation Percentages						% Total
			Fixed			Variable Commodity	Other	Hydroelectric	
			Demand	Commodity	Standby				
Departmental O&M									
Group	***Item***								
Office of General Manager		292,177	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Office of General Manager	Board of Directors	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Office of General Manager	Bay Delta Initiatives	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
External Affairs	Legislative Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
External Affairs	Media Communications Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
External Affairs	Manager, External Affairs/Special Projects	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
External Affairs	Conservation & Community Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Human Resources		720,439	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager	369,259	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager, Conveyance & Distribution Section	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager, Treatment Section	247,099	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager, Operations Support Services	174,777	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Operations Support Services	103,868	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Desert Region / C&D CRA	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	System Operations Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Power Operations and Planning	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Operations Planning & Programs Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Jensen	-	0.0%	64.1%	0.0%	35.9%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Diemer	16,370,085	0.0%	55.5%	0.0%	44.5%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Mills	-	0.0%	72.6%	0.0%	27.4%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Skinner	-	0.0%	65.0%	0.0%	35.0%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Weymouth	-	0.0%	58.3%	0.0%	41.7%	0.0%	0.0%	100.0%
Water Systems Operations	Water Quality Section	2,338,419	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	C&D, Eastern Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	C&D, Western Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	OSS, Manufacturing Services Unit	133,122	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Environmental Health & Safety Section	1,545,784	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	OSS, Fleet Services Unit	479,511	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	OSS, Power Support Unit	223,096	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager, Operations & Planning Section	27,764	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Security Team & Security Management	717,994	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Office of the Chief Financial Officer		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Business Technology	Office of Manager	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Engineering Services		2,469,022	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Business Technology	Administrative Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Business Technology	Information Technology	2,419,538	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Resources Management	Resource Planning & Development	871	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Resources Management	Resource Implementation	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Resources Management	Office of the Group Manager	128	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Ethics Office		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Real Property		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
General Counsel		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
General Auditor		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Total Departmental O&M		28,632,953	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
GENERAL DISTRICT REQUIREMENTS									
State Water Project									
Supply - O&M		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Supply - Capital		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Power - O&M & Off-Aq Capital		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Power - Capital (less Off-Aq)		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Transmission - Capital - Commodity, Demand, & Standby		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Transmission - O&M - Commodity only		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
CA WaterFix - Capital		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Total State Water Project		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Colorado River Aqueduct Power Costs		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Supply Programs		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Demand Management Programs		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Local Resources Program		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Future Supply Actions		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Conservation Credits Program		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Total Demand Management Programs		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Capital Financing Program		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Revenue Bond Debt Service net of BABs Interest Subsidy Payment		20,807,698	36.4%	33.4%	30.1%	0.0%	0.0%	0.0%	100.0%
G.O. Bond Debt Service		963,676	36.4%	33.4%	30.1%	0.0%	0.0%	0.0%	100.0%
Debt Administration & State Revolving Funds		466,424	36.4%	33.4%	30.1%	0.0%	0.0%	0.0%	100.0%
Bond Defeasance		-	36.4%	33.4%	30.1%	0.0%	0.0%	0.0%	100.0%
PAYGO		8,064,000	36.4%	33.4%	30.1%	0.0%	0.0%	0.0%	100.0%
Total Capital Financing Program		30,301,798	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Other Operating Costs									
Operating Equipment		376,763	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
OPEB\PERS Pre-Funding		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Total Other Operating Costs		376,763	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Increase/(Decrease) in Required Reserves		-	36.0%	34.3%	29.8%	0.0%	0.0%	0.0%	100.0%
Total General District Requirements		30,678,561	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
REQUIREMENTS BEFORE OFFSETS:		59,311,514	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Revenue Offsets									
Taxes - MWD Portion of SWP GO Debt Service		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Taxes - MWD GO Debt Service		963,676	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Interest on Investments		592,528	36.4%	33.4%	30.1%	0.0%	0.0%	0.0%	100.0%
Hydro-Power Revenue		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
CRA Power Revenue		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Wadsworth Pumping Plant (DVL) Power Revenue (cost in dept)		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Misc. allocated to A&G (Lease, Late Fees, etc.)		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Misc. allocated to supply (PVID Lease, CVWD Revenues)		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Taxes - additional from fixed tax rate		-	36.4%	33.4%	30.1%	0.0%	0.0%	0.0%	100.0%
Revenue Reserve used for Revenue Bonds - I&P		-	36.4%	33.4%	30.1%	0.0%	0.0%	0.0%	100.0%
Annexation		-	36.4%	33.4%	30.1%	0.0%	0.0%	0.0%	100.0%
Total Revenue Offsets		1,556,204	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
NET REVENUE REQUIREMENTS:	-	57,755,310	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

Allocation of Revenue Requirements: Treatment - Diemer
Fiscal Year Ending 2020

		Functionalization	Allocation Percentages						Total
			Fixed			Variable Commodity	Other	Hydroelectric	
			Demand	Commodity	Standby				
Departmental O&M									
Group	***Item***								
Office of General Manager		292,177	-	292,177	-	-	-	-	292,177
Office of General Manager	Board of Directors	-	-	-	-	-	-	-	-
Office of General Manager	Bay Delta Initiatives	-	-	-	-	-	-	-	-
External Affairs	Legislative Services	-	-	-	-	-	-	-	-
External Affairs	Media Communications Services	-	-	-	-	-	-	-	-
External Affairs	Manager, External Affairs/Special Projects	-	-	-	-	-	-	-	-
External Affairs	Conservation & Community Services	-	-	-	-	-	-	-	-
Human Resources		720,439	-	720,439	-	-	-	-	720,439
Water Systems Operations	Office of the Manager	369,259	-	369,259	-	-	-	-	369,259
Water Systems Operations	Office of the Manager, Conveyance & Distribution S	-	-	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Treatment Section	247,099	-	247,099	-	-	-	-	247,099
Water Systems Operations	Office of the Manager, Operations Support Service	174,777	-	174,777	-	-	-	-	174,777
Water Systems Operations	Operations Support Services	103,868	-	103,868	-	-	-	-	103,868
Water Systems Operations	Desert Region / C&D CRA	-	-	-	-	-	-	-	-
Water Systems Operations	System Operations Unit	-	-	-	-	-	-	-	-
Water Systems Operations	Power Operations and Planning	-	-	-	-	-	-	-	-
Water Systems Operations	Operations Planning & Programs Unit	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Jensen	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Diemer	16,370,085	-	9,091,329	-	7,278,756	-	-	16,370,085
Water Systems Operations	Treatment Mills	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Skinner	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Weymouth	-	-	-	-	-	-	-	-
Water Systems Operations	Water Quality Section	2,338,419	-	2,338,419	-	-	-	-	2,338,419
Water Systems Operations	C&D, Eastern Unit	-	-	-	-	-	-	-	-
Water Systems Operations	C&D, Western Unit	-	-	-	-	-	-	-	-
Water Systems Operations	OSS, Manufacturing Services Unit	133,122	-	133,122	-	-	-	-	133,122
Water Systems Operations	Environmental Health & Safety Section	1,545,784	-	1,545,784	-	-	-	-	1,545,784
Water Systems Operations	OSS, Fleet Services Unit	479,511	-	479,511	-	-	-	-	479,511
Water Systems Operations	OSS, Power Support Unit	223,096	-	223,096	-	-	-	-	223,096
Water Systems Operations	Office of the Manager, Operations & Planning Secti	27,764	-	27,764	-	-	-	-	27,764
Water Systems Operations	Security Team & Security Management	717,994	-	717,994	-	-	-	-	717,994
Office of the Chief Financial O		-	-	-	-	-	-	-	-
Business Technology	Office of Manager	-	-	-	-	-	-	-	-
Engineering Services		2,469,022	-	2,469,022	-	-	-	-	2,469,022
Business Technology	Administrative Services	-	-	-	-	-	-	-	-
Business Technology	Information Technology	2,419,538	-	2,419,538	-	-	-	-	2,419,538
Water Resources Managemen	Resource Planning & Development	871	-	871	-	-	-	-	871
Water Resources Managemen	Resource Implementation	-	-	-	-	-	-	-	-
Water Resources Managemen	Office of the Group Manager	128	-	128	-	-	-	-	128
Ethics Office		-	-	-	-	-	-	-	-
Real Property		-	-	-	-	-	-	-	-
General Counsel		-	-	-	-	-	-	-	-
General Auditor		-	-	-	-	-	-	-	-
Total Departmental O&M	-	28,632,953	-	21,354,197	-	7,278,756	-	-	28,632,953
		-							-
GENERAL DISTRICT REQUIREMENTS		-	-	-	-	-	-	-	-
		-							-
State Water Project		-	-	-	-	-	-	-	-
Supply - O&M		-	-	-	-	-	-	-	-
Supply - Capital		-	-	-	-	-	-	-	-
Power - O&M & Off-Aq Capital		-	-	-	-	-	-	-	-
Power - Capital (less Off-Aq)		-	-	-	-	-	-	-	-
Transmission - Capital - Commodity, Demand, & Standby		-	-	-	-	-	-	-	-
Transmission - O&M - Commodity only		-	-	-	-	-	-	-	-
CA WaterFix - Capital		-	-	-	-	-	-	-	-
Total State Water Project		-	-	-	-	-	-	-	-
		-							-
Colorado River Aqueduct Power Costs		-	-	-	-	-	-	-	-
		-							-
Supply Programs		-	-	-	-	-	-	-	-
									-
Demand Management Programs		-	-	-	-	-	-	-	-
Local Resources Program		-	-	-	-	-	-	-	-
Future Supply Actions		-	-	-	-	-	-	-	-
Conservation Credits Program		-	-	-	-	-	-	-	-
Total Demand Management Programs		-	-	-	-	-	-	-	-
Capital Financing Program		-	-	-	-	-	-	-	-
Revenue Bond Debt Service net of BABs Interest Subsidy Payment		20,807,698	7,582,796	6,956,694	6,268,208	-	-	-	20,807,698
G.O. Bond Debt Service		963,676	351,185	322,188	290,302	-	-	-	963,676
Debt Administration & State Revolving Funds		466,424	169,976	155,941	140,508	-	-	-	466,424
Bond Defeasance		-	-	-	-	-	-	-	-
PAYGO		8,064,000	2,938,704	2,696,059	2,429,237	-	-	-	8,064,000
Total Capital Financing Program		30,301,798	11,042,661	10,130,882	9,128,255	-	-	-	30,301,798
Other Operating Costs		-	-	-	-	-	-	-	-
Operating Equipment		376,763	-	376,763	-	-	-	-	376,763
OPEB\PERS Pre-Funding		-	-	-	-	-	-	-	-
Total Other Operating Costs		376,763	-	376,763	-	-	-	-	376,763
Increase/(Decrease) in Required Reserves		-	-	-	-	-	-	-	-
Total General District Requirements		30,678,561	11,042,661	10,507,645	9,128,255	-	-	-	30,678,561
REQUIREMENTS BEFORE OFFSETS:		59,311,514	11,042,661	31,861,842	9,128,255	7,278,756	-	-	59,311,514
Revenue Offsets									
Taxes - MWD Portion of SWP GO Debt Service		-	-	-	-	-	-	-	-
Taxes - MWD GO Debt Service		963,676	-	-	963,676	-	-	-	963,676
Interest on Investments		592,528	215,931	198,102	178,496	-	-	-	592,528
Hydro-Power Revenue		-	-	-	-	-	-	-	-
CRA Power Revenue		-	-	-	-	-	-	-	-
Wadsworth Pumping Plant (DVL) Power Revenue (cost in dept)		-	-	-	-	-	-	-	-
Misc. allocated to A&G (Lease, Late Fees, etc.)		-	-	-	-	-	-	-	-
Misc. allocated to supply (PVID Lease, CVWD Revenues)		-	-	-	-	-	-	-	-
Taxes - additional from fixed tax rate		-	-	-	-	-	-	-	-
Revenue Reserve used for Revenue Bonds - I&P		-	-	-	-	-	-	-	-
Annexation		-	-	-	-	-	-	-	-
Total Revenue Offsets		1,556,204	215,931	198,102	1,142,172	-	-	-	1,556,204
NET REVENUE REQUIREMENTS:		57,755,310	10,826,731	31,663,740	7,986,083	7,278,756	-	-	57,755,310

Direct Labor used for A&G Allocation
Allocation of Revenue Requirements: Treatment - Diemer
Fiscal Year Ending 2020

		Functionalization	Allocation Percentages						Total
			Fixed			Variable Commodity	Other	Hydroelectric	
			Demand	Commodity	Standby				
Departmental O&M									
Group	***Item***								
Office of General Manager		267,191	-	267,191	-	-	-	-	267,191
Office of General Manager	Board of Directors	-	-	-	-	-	-	-	-
Office of General Manager	Bay Delta Initiatives	-	-	-	-	-	-	-	-
External Affairs	Legislative Services	-	-	-	-	-	-	-	-
External Affairs	Media Communications Services	-	-	-	-	-	-	-	-
External Affairs	Manager, External Affairs/Special Projects	-	-	-	-	-	-	-	-
External Affairs	Conservation & Community Services	-	-	-	-	-	-	-	-
Human Resources		583,510	-	583,510	-	-	-	-	583,510
Water Systems Operations	Office of the Manager	218,373	-	218,373	-	-	-	-	218,373
Water Systems Operations	Office of the Manager, Conveyance & Distribution Section	-	-	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Treatment Section	179,218	-	179,218	-	-	-	-	179,218
Water Systems Operations	Office of the Manager, Operations Support Services	155,612	-	155,612	-	-	-	-	155,612
Water Systems Operations	Operations Support Services	95,122	-	95,122	-	-	-	-	95,122
Water Systems Operations	Desert Region / C&D CRA	-	-	-	-	-	-	-	-
Water Systems Operations	System Operations Unit	-	-	-	-	-	-	-	-
Water Systems Operations	Power Operations and Planning	-	-	-	-	-	-	-	-
Water Systems Operations	Operations Planning & Programs Unit	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Jensen	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Diemer	9,246,028	-	9,246,028	-	-	-	-	9,246,028
Water Systems Operations	Treatment Mills	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Skinner	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Weymouth	-	-	-	-	-	-	-	-
Water Systems Operations	Water Quality Section	1,897,710	-	1,897,710	-	-	-	-	1,897,710
Water Systems Operations	C&D, Eastern Unit	-	-	-	-	-	-	-	-
Water Systems Operations	C&D, Western Unit	-	-	-	-	-	-	-	-
Water Systems Operations	OSS, Manufacturing Services Unit	120,709	-	120,709	-	-	-	-	120,709
Water Systems Operations	Environmental Health & Safety Section	1,264,835	-	1,264,835	-	-	-	-	1,264,835
Water Systems Operations	OSS, Fleet Services Unit	306,812	-	306,812	-	-	-	-	306,812
Water Systems Operations	OSS, Power Support Unit	202,506	-	202,506	-	-	-	-	202,506
Water Systems Operations	Office of the Manager, Operations & Planning Section	28,117	-	28,117	-	-	-	-	28,117
Water Systems Operations	Security Team & Security Management	142,227	-	142,227	-	-	-	-	142,227
Office of the Chief Financial O		-	-	-	-	-	-	-	-
Business Technology	Office of Manager	-	-	-	-	-	-	-	-
Engineering Services		2,268,925	-	2,268,925	-	-	-	-	2,268,925
Business Technology	Administrative Services	-	-	-	-	-	-	-	-
Business Technology	Information Technology	1,720,602	-	1,720,602	-	-	-	-	1,720,602
Water Resources Managemen	Resource Planning & Development	799	-	799	-	-	-	-	799
Water Resources Managemen	Resource Implementation	-	-	-	-	-	-	-	-
Water Resources Managemen	Office of the Group Manager	128	-	128	-	-	-	-	128
Ethics Office		-	-	-	-	-	-	-	-
Real Property		-	-	-	-	-	-	-	-
General Counsel		-	-	-	-	-	-	-	-
General Auditor		-	-	-	-	-	-	-	-
Total Departmental O&M	-	18,698,422	-	18,698,422	-	-	-	-	18,698,422

Allocation Percentages: Treatment - Mills
Fiscal Year Ending 2020

		Functionalization	Allocation Percentages						% Total
			Fixed			Variable Commodity	Other	Hydroelectric	
			Demand	Commodity	Standby				
Departmental O&M									
Group	***Item***								
Office of General Manager		194,209	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Office of General Manager	Board of Directors	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Office of General Manager	Bay Delta Initiatives	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
External Affairs	Legislative Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
External Affairs	Media Communications Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
External Affairs	Manager, External Affairs/Special Projects	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
External Affairs	Conservation & Community Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Human Resources		478,873	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager	323,571	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager, Conveyance & Distribution Section	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager, Treatment Section	157,338	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager, Operations Support Services	153,152	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Operations Support Services	103,868	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Desert Region / C&D CRA	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	System Operations Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Power Operations and Planning	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Operations Planning & Programs Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Jensen	-	0.0%	64.1%	0.0%	35.9%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Diemer	-	0.0%	55.5%	0.0%	44.5%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Mills	10,423,511	0.0%	72.6%	0.0%	27.4%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Skinner	-	0.0%	65.0%	0.0%	35.0%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Weymouth	-	0.0%	58.3%	0.0%	41.7%	0.0%	0.0%	100.0%
Water Systems Operations	Water Quality Section	2,338,419	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	C&D, Eastern Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	C&D, Western Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	OSS, Manufacturing Services Unit	133,122	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Environmental Health & Safety Section	1,545,784	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	OSS, Fleet Services Unit	479,511	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	OSS, Power Support Unit	223,096	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager, Operations & Planning Section	24,329	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Security Team & Security Management	190,183	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Office of the Chief Financial Officer		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Business Technology	Office of Manager	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Engineering Services		653,997	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Business Technology	Administrative Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Business Technology	Information Technology	1,608,258	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Resources Management	Resource Planning & Development	871	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Resources Management	Resource Implementation	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Resources Management	Office of the Group Manager	128	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Ethics Office		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Real Property		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
General Counsel		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
General Auditor		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Total Departmental O&M		19,032,221	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
GENERAL DISTRICT REQUIREMENTS									
State Water Project									
Supply - O&M		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Supply - Capital		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Power - O&M & Off-Aq Capital		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Power - Capital (less Off-Aq)		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Transmission - Capital - Commodity, Demand, & Standby		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Transmission - O&M - Commodity only		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
CA WaterFix - Capital		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Total State Water Project		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Colorado River Aqueduct Power Costs		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Supply Programs		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Demand Management Programs		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Local Resources Program		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Future Supply Actions		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Conservation Credits Program		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Total Demand Management Programs		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Capital Financing Program		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Revenue Bond Debt Service net of BABs Interest Subsidy Payment		5,511,563	36.4%	33.4%	30.1%	0.0%	0.0%	0.0%	100.0%
G.O. Bond Debt Service		255,259	36.4%	33.4%	30.1%	0.0%	0.0%	0.0%	100.0%
Debt Administration & State Revolving Funds		123,547	36.4%	33.4%	30.1%	0.0%	0.0%	0.0%	100.0%
Bond Defeasance		-	36.4%	33.4%	30.1%	0.0%	0.0%	0.0%	100.0%
PAYGO		2,136,000	36.4%	33.4%	30.1%	0.0%	0.0%	0.0%	100.0%
Total Capital Financing Program		8,026,369	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Other Operating Costs									
Operating Equipment		291,236	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
OPEB\PERS Pre-Funding		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Total Other Operating Costs		291,236	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Increase/(Decrease) in Required Reserves		-	35.2%	35.8%	29.1%	0.0%	0.0%	0.0%	100.0%
Total General District Requirements		8,317,605	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
REQUIREMENTS BEFORE OFFSETS:		27,349,826	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Revenue Offsets									
Taxes - MWD Portion of SWP GO Debt Service		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Taxes - MWD GO Debt Service		255,259	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Interest on Investments		273,228	36.4%	33.4%	30.1%	0.0%	0.0%	0.0%	100.0%
Hydro-Power Revenue		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
CRA Power Revenue		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Wadsworth Pumping Plant (DVL) Power Revenue (cost in dept)		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Misc. allocated to A&G (Lease, Late Fees, etc.)		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Misc. allocated to supply (PVID Lease, CVWD Revenues)		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Taxes - additional from fixed tax rate		-	36.4%	33.4%	30.1%	0.0%	0.0%	0.0%	100.0%
Revenue Reserve used for Revenue Bonds - I&P		-	36.4%	33.4%	30.1%	0.0%	0.0%	0.0%	100.0%
Annexation		-	36.4%	33.4%	30.1%	0.0%	0.0%	0.0%	100.0%
Total Revenue Offsets		528,487	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
NET REVENUE REQUIREMENTS:	-	26,821,338	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

Allocation of Revenue Requirements: Treatment - Mills
Fiscal Year Ending 2020

		Functionalization	Allocation Percentages						Total
			Fixed			Variable Commodity	Other	Hydroelectric	
			Demand	Commodity	Standby				
Departmental O&M									
Group	***Item***								
Office of General Manager		194,209	-	194,209	-	-	-	-	194,209
Office of General Manager	Board of Directors	-	-	-	-	-	-	-	-
Office of General Manager	Bay Delta Initiatives	-	-	-	-	-	-	-	-
External Affairs	Legislative Services	-	-	-	-	-	-	-	-
External Affairs	Media Communications Services	-	-	-	-	-	-	-	-
External Affairs	Manager, External Affairs/Special Projects	-	-	-	-	-	-	-	-
External Affairs	Conservation & Community Services	-	-	-	-	-	-	-	-
Human Resources		478,873	-	478,873	-	-	-	-	478,873
Water Systems Operations	Office of the Manager	323,571	-	323,571	-	-	-	-	323,571
Water Systems Operations	Office of the Manager, Conveyance & Distribution S	-	-	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Treatment Section	157,338	-	157,338	-	-	-	-	157,338
Water Systems Operations	Office of the Manager, Operations Support Service	153,152	-	153,152	-	-	-	-	153,152
Water Systems Operations	Operations Support Services	103,868	-	103,868	-	-	-	-	103,868
Water Systems Operations	Desert Region / C&D CRA	-	-	-	-	-	-	-	-
Water Systems Operations	System Operations Unit	-	-	-	-	-	-	-	-
Water Systems Operations	Power Operations and Planning	-	-	-	-	-	-	-	-
Water Systems Operations	Operations Planning & Programs Unit	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Jensen	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Diemer	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Mills	10,423,511	-	7,569,738	-	2,853,773	-	-	10,423,511
Water Systems Operations	Treatment Skinner	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Weymouth	-	-	-	-	-	-	-	-
Water Systems Operations	Water Quality Section	2,338,419	-	2,338,419	-	-	-	-	2,338,419
Water Systems Operations	C&D, Eastern Unit	-	-	-	-	-	-	-	-
Water Systems Operations	C&D, Western Unit	-	-	-	-	-	-	-	-
Water Systems Operations	OSS, Manufacturing Services Unit	133,122	-	133,122	-	-	-	-	133,122
Water Systems Operations	Environmental Health & Safety Section	1,545,784	-	1,545,784	-	-	-	-	1,545,784
Water Systems Operations	OSS, Fleet Services Unit	479,511	-	479,511	-	-	-	-	479,511
Water Systems Operations	OSS, Power Support Unit	223,096	-	223,096	-	-	-	-	223,096
Water Systems Operations	Office of the Manager, Operations & Planning Secti	24,329	-	24,329	-	-	-	-	24,329
Water Systems Operations	Security Team & Security Management	190,183	-	190,183	-	-	-	-	190,183
Office of the Chief Financial O		-	-	-	-	-	-	-	-
Business Technology	Office of Manager	-	-	-	-	-	-	-	-
Engineering Services		653,997	-	653,997	-	-	-	-	653,997
Business Technology	Administrative Services	-	-	-	-	-	-	-	-
Business Technology	Information Technology	1,608,258	-	1,608,258	-	-	-	-	1,608,258
Water Resources Managemen	Resource Planning & Development	871	-	871	-	-	-	-	871
Water Resources Managemen	Resource Implementation	-	-	-	-	-	-	-	-
Water Resources Managemen	Office of the Group Manager	128	-	128	-	-	-	-	128
Ethics Office		-	-	-	-	-	-	-	-
Real Property		-	-	-	-	-	-	-	-
General Counsel		-	-	-	-	-	-	-	-
General Auditor		-	-	-	-	-	-	-	-
Total Departmental O&M	-	19,032,221	-	16,178,447	-	2,853,773	-	-	19,032,221
		-							-
GENERAL DISTRICT REQUIREMENTS		-	-	-	-	-	-	-	-
		-							-
State Water Project		-	-	-	-	-	-	-	-
Supply - O&M		-	-	-	-	-	-	-	-
Supply - Capital		-	-	-	-	-	-	-	-
Power - O&M & Off-Aq Capital		-	-	-	-	-	-	-	-
Power - Capital (less Off-Aq)		-	-	-	-	-	-	-	-
Transmission - Capital - Commodity, Demand, & Standby		-	-	-	-	-	-	-	-
Transmission - O&M - Commodity only		-	-	-	-	-	-	-	-
CA WaterFix - Capital		-	-	-	-	-	-	-	-
Total State Water Project		-	-	-	-	-	-	-	-
		-							-
Colorado River Aqueduct Power Costs		-	-	-	-	-	-	-	-
		-							-
Supply Programs		-	-	-	-	-	-	-	-
									-
Demand Management Programs		-	-	-	-	-	-	-	-
Local Resources Program		-	-	-	-	-	-	-	-
Future Supply Actions		-	-	-	-	-	-	-	-
Conservation Credits Program		-	-	-	-	-	-	-	-
Total Demand Management Programs		-	-	-	-	-	-	-	-
Capital Financing Program		-	-	-	-	-	-	-	-
Revenue Bond Debt Service net of BABs Interest Subsidy Payment		5,511,563	2,008,538	1,842,696	1,660,329	-	-	-	5,511,563
G.O. Bond Debt Service		255,259	93,022	85,342	76,896	-	-	-	255,259
Debt Administration & State Revolving Funds		123,547	45,023	41,306	37,218	-	-	-	123,547
Bond Defeasance		-	-	-	-	-	-	-	-
PAYGO		2,136,000	778,407	714,135	643,459	-	-	-	2,136,000
Total Capital Financing Program		8,026,369	2,924,991	2,683,478	2,417,901	-	-	-	8,026,369
Other Operating Costs		-	-	-	-	-	-	-	-
Operating Equipment		291,236	-	291,236	-	-	-	-	291,236
OPEB\PERS Pre-Funding		-	-	-	-	-	-	-	-
Total Other Operating Costs		291,236	-	291,236	-	-	-	-	291,236
Increase/(Decrease) in Required Reserves		-	-	-	-	-	-	-	-
Total General District Requirements		8,317,605	2,924,991	2,974,713	2,417,901	-	-	-	8,317,605
REQUIREMENTS BEFORE OFFSETS:		27,349,826	2,924,991	19,153,161	2,417,901	2,853,773	-	-	27,349,826
Revenue Offsets									
Taxes - MWD Portion of SWP GO Debt Service		-	-	-	-	-	-	-	-
Taxes - MWD GO Debt Service		255,259	-	-	255,259	-	-	-	255,259
Interest on Investments		273,228	99,570	91,349	82,308	-	-	-	273,228
Hydro-Power Revenue		-	-	-	-	-	-	-	-
CRA Power Revenue		-	-	-	-	-	-	-	-
Wadsworth Pumping Plant (DVL) Power Revenue (cost in dept)		-	-	-	-	-	-	-	-
Misc. allocated to A&G (Lease, Late Fees, etc.)		-	-	-	-	-	-	-	-
Misc. allocated to supply (PVID Lease, CVWD Revenues)		-	-	-	-	-	-	-	-
Taxes - additional from fixed tax rate		-	-	-	-	-	-	-	-
Revenue Reserve used for Revenue Bonds - I&P		-	-	-	-	-	-	-	-
Annexation		-	-	-	-	-	-	-	-
Total Revenue Offsets		528,487	99,570	91,349	337,568	-	-	-	528,487
NET REVENUE REQUIREMENTS:		26,821,338	2,825,420	19,061,812	2,080,333	2,853,773	-	-	26,821,338

Direct Labor used for A&G Allocation
Allocation of Revenue Requirements: Treatment - Mills
Fiscal Year Ending 2020

		Functionalization	Allocation Percentages						Total
			Fixed			Variable Commodity	Other	Hydroelectric	
			Demand	Commodity	Standby				
Departmental O&M									
Group	***Item***								
Office of General Manager		177,601	-	177,601	-	-	-	-	177,601
Office of General Manager	Board of Directors	-	-	-	-	-	-	-	-
Office of General Manager	Bay Delta Initiatives	-	-	-	-	-	-	-	-
External Affairs	Legislative Services	-	-	-	-	-	-	-	-
External Affairs	Media Communications Services	-	-	-	-	-	-	-	-
External Affairs	Manager, External Affairs/Special Projects	-	-	-	-	-	-	-	-
External Affairs	Conservation & Community Services	-	-	-	-	-	-	-	-
Human Resources		387,857	-	387,857	-	-	-	-	387,857
Water Systems Operations	Office of the Manager	191,354	-	191,354	-	-	-	-	191,354
Water Systems Operations	Office of the Manager, Conveyance & Distribution Section	-	-	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Treatment Section	114,116	-	114,116	-	-	-	-	114,116
Water Systems Operations	Office of the Manager, Operations Support Services	136,358	-	136,358	-	-	-	-	136,358
Water Systems Operations	Operations Support Services	95,122	-	95,122	-	-	-	-	95,122
Water Systems Operations	Desert Region / C&D CRA	-	-	-	-	-	-	-	-
Water Systems Operations	System Operations Unit	-	-	-	-	-	-	-	-
Water Systems Operations	Power Operations and Planning	-	-	-	-	-	-	-	-
Water Systems Operations	Operations Planning & Programs Unit	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Jensen	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Diemer	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Mills	7,750,898	-	7,750,898	-	-	-	-	7,750,898
Water Systems Operations	Treatment Skinner	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Weymouth	-	-	-	-	-	-	-	-
Water Systems Operations	Water Quality Section	1,897,710	-	1,897,710	-	-	-	-	1,897,710
Water Systems Operations	C&D, Eastern Unit	-	-	-	-	-	-	-	-
Water Systems Operations	C&D, Western Unit	-	-	-	-	-	-	-	-
Water Systems Operations	OSS, Manufacturing Services Unit	120,709	-	120,709	-	-	-	-	120,709
Water Systems Operations	Environmental Health & Safety Section	1,264,835	-	1,264,835	-	-	-	-	1,264,835
Water Systems Operations	OSS, Fleet Services Unit	306,812	-	306,812	-	-	-	-	306,812
Water Systems Operations	OSS, Power Support Unit	202,506	-	202,506	-	-	-	-	202,506
Water Systems Operations	Office of the Manager, Operations & Planning Section	24,638	-	24,638	-	-	-	-	24,638
Water Systems Operations	Security Team & Security Management	37,673	-	37,673	-	-	-	-	37,673
Office of the Chief Financial O		-	-	-	-	-	-	-	-
Business Technology	Office of Manager	-	-	-	-	-	-	-	-
Engineering Services		600,995	-	600,995	-	-	-	-	600,995
Business Technology	Administrative Services	-	-	-	-	-	-	-	-
Business Technology	Information Technology	1,143,678	-	1,143,678	-	-	-	-	1,143,678
Water Resources Managemen	Resource Planning & Development	799	-	799	-	-	-	-	799
Water Resources Managemen	Resource Implementation	-	-	-	-	-	-	-	-
Water Resources Managemen	Office of the Group Manager	128	-	128	-	-	-	-	128
Ethics Office		-	-	-	-	-	-	-	-
Real Property		-	-	-	-	-	-	-	-
General Counsel		-	-	-	-	-	-	-	-
General Auditor		-	-	-	-	-	-	-	-
Total Departmental O&M	-	14,453,787	-	14,453,787	-	-	-	-	14,453,787

Allocation Percentages: Treatment - Skinner
Fiscal Year Ending 2020

		Functionalization	Allocation Percentages						% Total
			Fixed			Variable Commodity	Other	Hydroelectric	
			Demand	Commodity	Standby				
Departmental O&M									
Group	***Item***								
Office of General Manager		246,038	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Office of General Manager	Board of Directors	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Office of General Manager	Bay Delta Initiatives	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
External Affairs	Legislative Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
External Affairs	Media Communications Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
External Affairs	Manager, External Affairs/Special Projects	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
External Affairs	Conservation & Community Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Human Resources		606,671	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager	341,049	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager, Conveyance & Distribution Section	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager, Treatment Section	185,963	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager, Operations Support Services	161,425	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Operations Support Services	103,868	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Desert Region / C&D CRA	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	System Operations Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Power Operations and Planning	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Operations Planning & Programs Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Jensen	-	0.0%	64.1%	0.0%	35.9%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Diemer	-	0.0%	55.5%	0.0%	44.5%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Mills	-	0.0%	72.6%	0.0%	27.4%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Skinner	12,319,872	0.0%	65.0%	0.0%	35.0%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Weymouth	-	0.0%	58.3%	0.0%	41.7%	0.0%	0.0%	100.0%
Water Systems Operations	Water Quality Section	2,338,419	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	C&D, Eastern Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	C&D, Western Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	OSS, Manufacturing Services Unit	133,122	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Environmental Health & Safety Section	1,545,784	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	OSS, Fleet Services Unit	479,511	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	OSS, Power Support Unit	223,096	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager, Operations & Planning Section	25,643	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Security Team & Security Management	757,527	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Office of the Chief Financial Officer		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Business Technology	Office of Manager	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Engineering Services		2,604,965	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Business Technology	Administrative Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Business Technology	Information Technology	2,037,459	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Resources Management	Resource Planning & Development	871	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Resources Management	Resource Implementation	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Resources Management	Office of the Group Manager	128	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Ethics Office		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Real Property		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
General Counsel		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
General Auditor		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Total Departmental O&M		24,111,411	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
GENERAL DISTRICT REQUIREMENTS									
State Water Project									
Supply - O&M		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Supply - Capital		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Power - O&M & Off-Aq Capital		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Power - Capital (less Off-Aq)		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Transmission - Capital - Commodity, Demand, & Standby		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Transmission - O&M - Commodity only		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
CA WaterFix - Capital		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Total State Water Project		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Colorado River Aqueduct Power Costs		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Supply Programs		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Demand Management Programs		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Local Resources Program		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Future Supply Actions		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Conservation Credits Program		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Total Demand Management Programs		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Capital Financing Program		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Revenue Bond Debt Service net of BABs Interest Subsidy Payment		21,953,359	36.4%	33.4%	30.1%	0.0%	0.0%	0.0%	100.0%
G.O. Bond Debt Service		1,016,736	36.4%	33.4%	30.1%	0.0%	0.0%	0.0%	100.0%
Debt Administration & State Revolving Funds		492,105	36.4%	33.4%	30.1%	0.0%	0.0%	0.0%	100.0%
Bond Defeasance		-	36.4%	33.4%	30.1%	0.0%	0.0%	0.0%	100.0%
PAYGO		8,508,000	36.4%	33.4%	30.1%	0.0%	0.0%	0.0%	100.0%
Total Capital Financing Program		31,970,200	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Other Operating Costs									
Operating Equipment		349,767	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
OPEB\PERS Pre-Funding		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Total Other Operating Costs		349,767	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Increase/(Decrease) in Required Reserves		-	36.0%	34.2%	29.8%	0.0%	0.0%	0.0%	100.0%
Total General District Requirements		32,319,968	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
REQUIREMENTS BEFORE OFFSETS:		56,431,379	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Revenue Offsets									
Taxes - MWD Portion of SWP GO Debt Service		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Taxes - MWD GO Debt Service		1,016,736	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Interest on Investments		563,755	36.4%	33.4%	30.1%	0.0%	0.0%	0.0%	100.0%
Hydro-Power Revenue		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
CRA Power Revenue		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Wadsworth Pumping Plant (DVL) Power Revenue (cost in dept)		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Misc. allocated to A&G (Lease, Late Fees, etc.)		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Misc. allocated to supply (PVID Lease, CVWD Revenues)		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Taxes - additional from fixed tax rate		-	36.4%	33.4%	30.1%	0.0%	0.0%	0.0%	100.0%
Revenue Reserve used for Revenue Bonds - I&P		-	36.4%	33.4%	30.1%	0.0%	0.0%	0.0%	100.0%
Annexation		-	36.4%	33.4%	30.1%	0.0%	0.0%	0.0%	100.0%
Total Revenue Offsets		1,580,491	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
NET REVENUE REQUIREMENTS:	-	54,850,888	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

Allocation of Revenue Requirements: Treatment - Skinner
Fiscal Year Ending 2020

		Functionalization	Allocation Percentages						Total
			Fixed			Variable	Other	Hydroelectric	
			Demand	Commodity	Standby	Commodity			
Departmental O&M									
Group	***Item***								
Office of General Manager		246,038	-	246,038	-	-	-	-	246,038
Office of General Manager	Board of Directors	-	-	-	-	-	-	-	-
Office of General Manager	Bay Delta Initiatives	-	-	-	-	-	-	-	-
External Affairs	Legislative Services	-	-	-	-	-	-	-	-
External Affairs	Media Communications Services	-	-	-	-	-	-	-	-
External Affairs	Manager, External Affairs/Special Projects	-	-	-	-	-	-	-	-
External Affairs	Conservation & Community Services	-	-	-	-	-	-	-	-
Human Resources		606,671	-	606,671	-	-	-	-	606,671
Water Systems Operations	Office of the Manager	341,049	-	341,049	-	-	-	-	341,049
Water Systems Operations	Office of the Manager, Conveyance & Distribution S	-	-	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Treatment Section	185,963	-	185,963	-	-	-	-	185,963
Water Systems Operations	Office of the Manager, Operations Support Service	161,425	-	161,425	-	-	-	-	161,425
Water Systems Operations	Operations Support Services	103,868	-	103,868	-	-	-	-	103,868
Water Systems Operations	Desert Region / C&D CRA	-	-	-	-	-	-	-	-
Water Systems Operations	System Operations Unit	-	-	-	-	-	-	-	-
Water Systems Operations	Power Operations and Planning	-	-	-	-	-	-	-	-
Water Systems Operations	Operations Planning & Programs Unit	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Jensen	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Diemer	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Mills	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Skinner	12,319,872	-	8,003,637	-	4,316,234	-	-	12,319,872
Water Systems Operations	Treatment Weymouth	-	-	-	-	-	-	-	-
Water Systems Operations	Water Quality Section	2,338,419	-	2,338,419	-	-	-	-	2,338,419
Water Systems Operations	C&D, Eastern Unit	-	-	-	-	-	-	-	-
Water Systems Operations	C&D, Western Unit	-	-	-	-	-	-	-	-
Water Systems Operations	OSS, Manufacturing Services Unit	133,122	-	133,122	-	-	-	-	133,122
Water Systems Operations	Environmental Health & Safety Section	1,545,784	-	1,545,784	-	-	-	-	1,545,784
Water Systems Operations	OSS, Fleet Services Unit	479,511	-	479,511	-	-	-	-	479,511
Water Systems Operations	OSS, Power Support Unit	223,096	-	223,096	-	-	-	-	223,096
Water Systems Operations	Office of the Manager, Operations & Planning Secti	25,643	-	25,643	-	-	-	-	25,643
Water Systems Operations	Security Team & Security Management	757,527	-	757,527	-	-	-	-	757,527
Office of the Chief Financial O		-	-	-	-	-	-	-	-
Business Technology	Office of Manager	-	-	-	-	-	-	-	-
Engineering Services		2,604,965	-	2,604,965	-	-	-	-	2,604,965
Business Technology	Administrative Services	-	-	-	-	-	-	-	-
Business Technology	Information Technology	2,037,459	-	2,037,459	-	-	-	-	2,037,459
Water Resources Managemen	Resource Planning & Development	871	-	871	-	-	-	-	871
Water Resources Managemen	Resource Implementation	-	-	-	-	-	-	-	-
Water Resources Managemen	Office of the Group Manager	128	-	128	-	-	-	-	128
Ethics Office		-	-	-	-	-	-	-	-
Real Property		-	-	-	-	-	-	-	-
General Counsel		-	-	-	-	-	-	-	-
General Auditor		-	-	-	-	-	-	-	-
Total Departmental O&M	-	24,111,411	-	19,795,177	-	4,316,234	-	-	24,111,411
		-							-
GENERAL DISTRICT REQUIREMENTS		-	-	-	-	-	-	-	-
		-							-
State Water Project		-	-	-	-	-	-	-	-
Supply - O&M		-	-	-	-	-	-	-	-
Supply - Capital		-	-	-	-	-	-	-	-
Power - O&M & Off-Aq Capital		-	-	-	-	-	-	-	-
Power - Capital (less Off-Aq)		-	-	-	-	-	-	-	-
Transmission - Capital - Commodity, Demand, & Standby		-	-	-	-	-	-	-	-
Transmission - O&M - Commodity only		-	-	-	-	-	-	-	-
CA WaterFix - Capital		-	-	-	-	-	-	-	-
Total State Water Project		-	-	-	-	-	-	-	-
		-							-
Colorado River Aqueduct Power Costs		-	-	-	-	-	-	-	-
		-							-
Supply Programs		-	-	-	-	-	-	-	-
									-
Demand Management Programs		-	-	-	-	-	-	-	-
Local Resources Program		-	-	-	-	-	-	-	-
Future Supply Actions		-	-	-	-	-	-	-	-
Conservation Credits Program		-	-	-	-	-	-	-	-
Total Demand Management Programs		-	-	-	-	-	-	-	-
Capital Financing Program		-	-	-	-	-	-	-	-
Revenue Bond Debt Service net of BABs Interest Subsidy Payment		21,953,359	8,000,301	7,339,726	6,613,332	-	-	-	21,953,359
G.O. Bond Debt Service		1,016,736	370,522	339,928	306,286	-	-	-	1,016,736
Debt Administration & State Revolving Funds		492,105	179,334	164,527	148,244	-	-	-	492,105
Bond Defeasance		-	-	-	-	-	-	-	-
PAYGO		8,508,000	3,100,508	2,844,503	2,562,990	-	-	-	8,508,000
Total Capital Financing Program		31,970,200	11,650,665	10,688,683	9,630,852	-	-	-	31,970,200
Other Operating Costs		-	-	-	-	-	-	-	-
Operating Equipment		349,767	-	349,767	-	-	-	-	349,767
OPEB\PERS Pre-Funding		-	-	-	-	-	-	-	-
Total Other Operating Costs		349,767	-	349,767	-	-	-	-	349,767
Increase/(Decrease) in Required Reserves		-	-	-	-	-	-	-	-
Total General District Requirements		32,319,968	11,650,665	11,038,451	9,630,852	-	-	-	32,319,968
REQUIREMENTS BEFORE OFFSETS:		56,431,379	11,650,665	30,833,628	9,630,852	4,316,234	-	-	56,431,379
Revenue Offsets									
Taxes - MWD Portion of SWP GO Debt Service		-	-	-	-	-	-	-	-
Taxes - MWD GO Debt Service		1,016,736	-	-	1,016,736	-	-	-	1,016,736
Interest on Investments		563,755	205,445	188,482	169,828	-	-	-	563,755
Hydro-Power Revenue		-	-	-	-	-	-	-	-
CRA Power Revenue		-	-	-	-	-	-	-	-
Wadsworth Pumping Plant (DVL) Power Revenue (cost in dept)		-	-	-	-	-	-	-	-
Misc. allocated to A&G (Lease, Late Fees, etc.)		-	-	-	-	-	-	-	-
Misc. allocated to supply (PVID Lease, CVWD Revenues)		-	-	-	-	-	-	-	-
Taxes - additional from fixed tax rate		-	-	-	-	-	-	-	-
Revenue Reserve used for Revenue Bonds - I&P		-	-	-	-	-	-	-	-
Annexation		-	-	-	-	-	-	-	-
Total Revenue Offsets		1,580,491	205,445	188,482	1,186,564	-	-	-	1,580,491
NET REVENUE REQUIREMENTS:		54,850,888	11,445,220	30,645,146	8,444,288	4,316,234	-	-	54,850,888

Direct Labor used for A&G Allocation
Allocation of Revenue Requirements: Treatment - Skinner
Fiscal Year Ending 2020

		Functionalization	Allocation Percentages						Total
			Fixed			Variable Commodity	Other	Hydroelectric	
			Demand	Commodity	Standby				
Departmental O&M									
Group	***Item***								
Office of General Manager		224,998	-	224,998	-	-	-	-	224,998
Office of General Manager	Board of Directors	-	-	-	-	-	-	-	-
Office of General Manager	Bay Delta Initiatives	-	-	-	-	-	-	-	-
External Affairs	Legislative Services	-	-	-	-	-	-	-	-
External Affairs	Media Communications Services	-	-	-	-	-	-	-	-
External Affairs	Manager, External Affairs/Special Projects	-	-	-	-	-	-	-	-
External Affairs	Conservation & Community Services	-	-	-	-	-	-	-	-
Human Resources		491,366	-	491,366	-	-	-	-	491,366
Water Systems Operations	Office of the Manager	201,690	-	201,690	-	-	-	-	201,690
Water Systems Operations	Office of the Manager, Conveyance & Distribution Section	-	-	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Treatment Section	134,877	-	134,877	-	-	-	-	134,877
Water Systems Operations	Office of the Manager, Operations Support Services	143,724	-	143,724	-	-	-	-	143,724
Water Systems Operations	Operations Support Services	95,122	-	95,122	-	-	-	-	95,122
Water Systems Operations	Desert Region / C&D CRA	-	-	-	-	-	-	-	-
Water Systems Operations	System Operations Unit	-	-	-	-	-	-	-	-
Water Systems Operations	Power Operations and Planning	-	-	-	-	-	-	-	-
Water Systems Operations	Operations Planning & Programs Unit	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Jensen	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Diemer	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Mills	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Skinner	8,254,622	-	8,254,622	-	-	-	-	8,254,622
Water Systems Operations	Treatment Weymouth	-	-	-	-	-	-	-	-
Water Systems Operations	Water Quality Section	1,897,710	-	1,897,710	-	-	-	-	1,897,710
Water Systems Operations	C&D, Eastern Unit	-	-	-	-	-	-	-	-
Water Systems Operations	C&D, Western Unit	-	-	-	-	-	-	-	-
Water Systems Operations	OSS, Manufacturing Services Unit	120,709	-	120,709	-	-	-	-	120,709
Water Systems Operations	Environmental Health & Safety Section	1,264,835	-	1,264,835	-	-	-	-	1,264,835
Water Systems Operations	OSS, Fleet Services Unit	306,812	-	306,812	-	-	-	-	306,812
Water Systems Operations	OSS, Power Support Unit	202,506	-	202,506	-	-	-	-	202,506
Water Systems Operations	Office of the Manager, Operations & Planning Section	25,969	-	25,969	-	-	-	-	25,969
Water Systems Operations	Security Team & Security Management	150,058	-	150,058	-	-	-	-	150,058
Office of the Chief Financial Of		-	-	-	-	-	-	-	-
Business Technology	Office of Manager	-	-	-	-	-	-	-	-
Engineering Services		2,393,851	-	2,393,851	-	-	-	-	2,393,851
Business Technology	Administrative Services	-	-	-	-	-	-	-	-
Business Technology	Information Technology	1,448,895	-	1,448,895	-	-	-	-	1,448,895
Water Resources Managemen	Resource Planning & Development	799	-	799	-	-	-	-	799
Water Resources Managemen	Resource Implementation	-	-	-	-	-	-	-	-
Water Resources Managemen	Office of the Group Manager	128	-	128	-	-	-	-	128
Ethics Office		-	-	-	-	-	-	-	-
Real Property		-	-	-	-	-	-	-	-
General Counsel		-	-	-	-	-	-	-	-
General Auditor		-	-	-	-	-	-	-	-
Total Departmental O&M	-	17,358,668	-	17,358,668	-	-	-	-	17,358,668

Allocation Percentages: Distribution
Fiscal Year Ending 2020

		Functionalization	Allocation Percentages						% Total
			Fixed			Variable Commodity	Other	Hydroelectric	
			Demand	Commodity	Standby				
Departmental O&M									
Group	***Item***								
Office of General Manager		1,029,362	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Office of General Manager	Board of Directors	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Office of General Manager	Bay Delta Initiatives	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
External Affairs	Legislative Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
External Affairs	Media Communications Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
External Affairs	Manager, External Affairs/Special Projects	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
External Affairs	Conservation & Community Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Human Resources		2,538,159	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager	1,546,919	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager, Conveyance & Distribution Section	305,744	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager, Treatment Section	158,426	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager, Operations Support Services	732,184	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Operations Support Services	5,629,647	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Desert Region / C&D CRA	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	System Operations Unit	8,392,718	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Power Operations and Planning	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Operations Planning & Programs Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Jensen	2,084,601	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Diemer	2,511,213	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Mills	1,598,993	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Skinner	1,889,900	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Weymouth	2,410,903	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Water Quality Section	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	C&D, Eastern Unit	15,010,373	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	C&D, Western Unit	13,773,522	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	OSS, Manufacturing Services Unit	5,562,583	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Environmental Health & Safety Section	4,266,849	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	OSS, Fleet Services Unit	5,604,810	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	OSS, Power Support Unit	4,328,385	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager, Operations & Planning Section	116,310	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Security Team & Security Management	1,923,771	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Office of the Chief Financial Officer		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Business Technology	Office of Manager	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Engineering Services		6,615,417	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Business Technology	Administrative Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Business Technology	Information Technology	8,524,210	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Resources Management	Resource Planning & Development	1,437,534	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Resources Management	Resource Implementation	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Resources Management	Office of the Group Manager	211,076	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Ethics Office		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Real Property		2,672,397	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
General Counsel		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
General Auditor		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Total Departmental O&M		100,876,005	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
GENERAL DISTRICT REQUIREMENTS									
State Water Project									
Supply - O&M		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Supply - Capital		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Power - O&M & Off-Aq Capital		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Power - Capital (less Off-Aq)		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Transmission - Capital - Commodity, Demand, & Standby		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Transmission - O&M - Commodity only		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
CA WaterFix - Capital		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Total State Water Project		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Colorado River Aqueduct Power Costs		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Supply Programs		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Demand Management Programs		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Local Resources Program		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Future Supply Actions		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Conservation Credits Program		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Total Demand Management Programs		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Capital Financing Program		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Revenue Bond Debt Service net of BABs Interest Subsidy Payment		55,751,475	29.4%	43.9%	26.7%	0.0%	0.0%	0.0%	100.0%
G.O. Bond Debt Service		10,510,094	29.4%	43.9%	26.7%	0.0%	0.0%	0.0%	100.0%
Debt Administration & State Revolving Funds		1,249,722	29.4%	43.9%	26.7%	0.0%	0.0%	0.0%	100.0%
Bond Defeasance		-	29.4%	43.9%	26.7%	0.0%	0.0%	0.0%	100.0%
PAYGO		21,606,422	29.4%	43.9%	26.7%	0.0%	0.0%	0.0%	100.0%
Total Capital Financing Program		89,117,712	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Other Operating Costs									
Operating Equipment		1,530,306	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
OPEB\PERS Pre-Funding		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Total Other Operating Costs		1,530,306	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Increase/(Decrease) in Required Reserves		-	28.9%	44.8%	26.3%	0.0%	0.0%	0.0%	100.0%
Total General District Requirements		90,648,019	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
REQUIREMENTS BEFORE OFFSETS:		191,524,024	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Revenue Offsets									
Taxes - MWD Portion of SWP GO Debt Service		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Taxes - MWD GO Debt Service		10,510,094	29.4%	43.9%	26.7%	0.0%	0.0%	0.0%	100.0%
Interest on Investments		1,913,345	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Hydro-Power Revenue		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
CRA Power Revenue		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Wadsworth Pumping Plant (DVL) Power Revenue (cost in dept)		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Misc. allocated to A&G (Lease, Late Fees, etc.)		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Misc. allocated to supply (PVID Lease, CVWD Revenues)		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Taxes - additional from fixed tax rate		-	29.4%	43.9%	26.7%	0.0%	0.0%	0.0%	100.0%
Revenue Reserve used for Revenue Bonds - I&P		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Annexation		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Total Revenue Offsets		12,423,439	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
NET REVENUE REQUIREMENTS:	-	179,100,586	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

Allocation of Revenue Requirements: Distribution
Fiscal Year Ending 2020

		Functionalization	Allocation Percentages						Total
			Fixed			Variable Commodity	Other	Hydroelectric	
			Demand	Commodity	Standby				
Departmental O&M									
Group	***Item***								
Office of General Manager		1,029,362	-	1,029,362	-	-	-	-	1,029,362
Office of General Manager	Board of Directors	-	-	-	-	-	-	-	-
Office of General Manager	Bay Delta Initiatives	-	-	-	-	-	-	-	-
External Affairs	Legislative Services	-	-	-	-	-	-	-	-
External Affairs	Media Communications Services	-	-	-	-	-	-	-	-
External Affairs	Manager, External Affairs/Special Projects	-	-	-	-	-	-	-	-
External Affairs	Conservation & Community Services	-	-	-	-	-	-	-	-
Human Resources		2,538,159	-	2,538,159	-	-	-	-	2,538,159
Water Systems Operations	Office of the Manager	1,546,919	-	1,546,919	-	-	-	-	1,546,919
Water Systems Operations	Office of the Manager, Conveyance & Distribution S	305,744	-	305,744	-	-	-	-	305,744
Water Systems Operations	Office of the Manager, Treatment Section	158,426	-	158,426	-	-	-	-	158,426
Water Systems Operations	Office of the Manager, Operations Support Service	732,184	-	732,184	-	-	-	-	732,184
Water Systems Operations	Operations Support Services	5,629,647	-	5,629,647	-	-	-	-	5,629,647
Water Systems Operations	Desert Region / C&D CRA	-	-	-	-	-	-	-	-
Water Systems Operations	System Operations Unit	8,392,718	-	8,392,718	-	-	-	-	8,392,718
Water Systems Operations	Power Operations and Planning	-	-	-	-	-	-	-	-
Water Systems Operations	Operations Planning & Programs Unit	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Jensen	2,084,601	-	2,084,601	-	-	-	-	2,084,601
Water Systems Operations	Treatment Diemer	2,511,213	-	2,511,213	-	-	-	-	2,511,213
Water Systems Operations	Treatment Mills	1,598,993	-	1,598,993	-	-	-	-	1,598,993
Water Systems Operations	Treatment Skinner	1,889,900	-	1,889,900	-	-	-	-	1,889,900
Water Systems Operations	Treatment Weymouth	2,410,903	-	2,410,903	-	-	-	-	2,410,903
Water Systems Operations	Water Quality Section	-	-	-	-	-	-	-	-
Water Systems Operations	C&D, Eastern Unit	15,010,373	-	15,010,373	-	-	-	-	15,010,373
Water Systems Operations	C&D, Western Unit	13,773,522	-	13,773,522	-	-	-	-	13,773,522
Water Systems Operations	OSS, Manufacturing Services Unit	5,562,583	-	5,562,583	-	-	-	-	5,562,583
Water Systems Operations	Environmental Health & Safety Section	4,266,849	-	4,266,849	-	-	-	-	4,266,849
Water Systems Operations	OSS, Fleet Services Unit	5,604,810	-	5,604,810	-	-	-	-	5,604,810
Water Systems Operations	OSS, Power Support Unit	4,328,385	-	4,328,385	-	-	-	-	4,328,385
Water Systems Operations	Office of the Manager, Operations & Planning Secti	116,310	-	116,310	-	-	-	-	116,310
Water Systems Operations	Security Team & Security Management	1,923,771	-	1,923,771	-	-	-	-	1,923,771
Office of the Chief Financial O		-	-	-	-	-	-	-	-
Business Technology	Office of Manager	-	-	-	-	-	-	-	-
Engineering Services		6,615,417	-	6,615,417	-	-	-	-	6,615,417
Business Technology	Administrative Services	-	-	-	-	-	-	-	-
Business Technology	Information Technology	8,524,210	-	8,524,210	-	-	-	-	8,524,210
Water Resources Managemen	Resource Planning & Development	1,437,534	-	1,437,534	-	-	-	-	1,437,534
Water Resources Managemen	Resource Implementation	-	-	-	-	-	-	-	-
Water Resources Managemen	Office of the Group Manager	211,076	-	211,076	-	-	-	-	211,076
Ethics Office		-	-	-	-	-	-	-	-
Real Property		2,672,397	-	2,672,397	-	-	-	-	2,672,397
General Counsel		-	-	-	-	-	-	-	-
General Auditor		-	-	-	-	-	-	-	-
Total Departmental O&M	-	100,876,005	-	100,876,005	-	-	-	-	100,876,005
		-							-
GENERAL DISTRICT REQUIREMENTS		-	-	-	-	-	-	-	-
		-							-
State Water Project		-	-	-	-	-	-	-	-
Supply - O&M		-	-	-	-	-	-	-	-
Supply - Capital		-	-	-	-	-	-	-	-
Power - O&M & Off-Aq Capital		-	-	-	-	-	-	-	-
Power - Capital (less Off-Aq)		-	-	-	-	-	-	-	-
Transmission - Capital - Commodity, Demand, & Standby		-	-	-	-	-	-	-	-
Transmission - O&M - Commodity only		-	-	-	-	-	-	-	-
CA WaterFix - Capital		-	-	-	-	-	-	-	-
Total State Water Project		-	-	-	-	-	-	-	-
		-							-
Colorado River Aqueduct Power Costs		-	-	-	-	-	-	-	-
		-							-
Supply Programs		-	-	-	-	-	-	-	-
									-
Demand Management Programs		-	-	-	-	-	-	-	-
Local Resources Program		-	-	-	-	-	-	-	-
Future Supply Actions		-	-	-	-	-	-	-	-
Conservation Credits Program		-	-	-	-	-	-	-	-
Total Demand Management Programs		-	-	-	-	-	-	-	-
Capital Financing Program		-	-	-	-	-	-	-	-
Revenue Bond Debt Service net of BABs Interest Subsidy Payment		55,751,475	16,403,746	24,457,060	14,890,669	-	-	-	55,751,475
G.O. Bond Debt Service		10,510,094	3,092,383	4,610,568	2,807,142	-	-	-	10,510,094
Debt Administration & State Revolving Funds		1,249,722	367,705	548,228	333,788	-	-	-	1,249,722
Bond Defeasance		-	-	-	-	-	-	-	-
PAYGO		21,606,422	6,357,253	9,478,306	5,770,862	-	-	-	21,606,422
Total Capital Financing Program		89,117,712	26,221,088	39,094,162	23,802,462	-	-	-	89,117,712
Other Operating Costs		-	-	-	-	-	-	-	-
Operating Equipment		1,530,306	-	1,530,306	-	-	-	-	1,530,306
OPEB\PERS Pre-Funding		-	-	-	-	-	-	-	-
Total Other Operating Costs		1,530,306	-	1,530,306	-	-	-	-	1,530,306
Increase/(Decrease) in Required Reserves		-	-	-	-	-	-	-	-
Total General District Requirements		90,648,019	26,221,088	40,624,469	23,802,462	-	-	-	90,648,019
REQUIREMENTS BEFORE OFFSETS:		191,524,024	26,221,088	141,500,474	23,802,462	-	-	-	191,524,024
Revenue Offsets									
Taxes - MWD Portion of SWP GO Debt Service		-	-	-	-	-	-	-	-
Taxes - MWD GO Debt Service		10,510,094	3,092,383	4,610,568	2,807,142	-	-	-	10,510,094
Interest on Investments		1,913,345	-	1,913,345	-	-	-	-	1,913,345
Hydro-Power Revenue		-	-	-	-	-	-	-	-
CRA Power Revenue		-	-	-	-	-	-	-	-
Wadsworth Pumping Plant (DVL) Power Revenue (cost in dept)		-	-	-	-	-	-	-	-
Misc. allocated to A&G (Lease, Late Fees, etc.)		-	-	-	-	-	-	-	-
Misc. allocated to supply (PVID Lease, CVWD Revenues)		-	-	-	-	-	-	-	-
Taxes - additional from fixed tax rate		-	-	-	-	-	-	-	-
Revenue Reserve used for Revenue Bonds - I&P		-	-	-	-	-	-	-	-
Annexation		-	-	-	-	-	-	-	-
Total Revenue Offsets		12,423,439	3,092,383	6,523,913	2,807,142	-	-	-	12,423,439
NET REVENUE REQUIREMENTS:		179,100,586	23,128,705	134,976,561	20,995,320	-	-	-	179,100,586

Direct Labor used for A&G Allocation
Allocation of Revenue Requirements: Distribution
Fiscal Year Ending 2020

		Functionalization	Allocation Percentages						Total
			Fixed			Variable Commodity	Other	Hydroelectric	
			Demand	Commodity	Standby				
Departmental O&M									
Group	***Item***								
Office of General Manager		941,334	-	941,334	-	-	-	-	941,334
Office of General Manager	Board of Directors	-	-	-	-	-	-	-	-
Office of General Manager	Bay Delta Initiatives	-	-	-	-	-	-	-	-
External Affairs	Legislative Services	-	-	-	-	-	-	-	-
External Affairs	Media Communications Services	-	-	-	-	-	-	-	-
External Affairs	Manager, External Affairs/Special Projects	-	-	-	-	-	-	-	-
External Affairs	Conservation & Community Services	-	-	-	-	-	-	-	-
Human Resources		2,055,750	-	2,055,750	-	-	-	-	2,055,750
Water Systems Operations	Office of the Manager	914,818	-	914,818	-	-	-	-	914,818
Water Systems Operations	Office of the Manager, Conveyance & Distribution Section	286,674	-	286,674	-	-	-	-	286,674
Water Systems Operations	Office of the Manager, Treatment Section	114,905	-	114,905	-	-	-	-	114,905
Water Systems Operations	Office of the Manager, Operations Support Services	651,895	-	651,895	-	-	-	-	651,895
Water Systems Operations	Operations Support Services	5,155,586	-	5,155,586	-	-	-	-	5,155,586
Water Systems Operations	Desert Region / C&D CRA	-	-	-	-	-	-	-	-
Water Systems Operations	System Operations Unit	7,214,938	-	7,214,938	-	-	-	-	7,214,938
Water Systems Operations	Power Operations and Planning	-	-	-	-	-	-	-	-
Water Systems Operations	Operations Planning & Programs Unit	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Jensen	1,346,498	-	1,346,498	-	-	-	-	1,346,498
Water Systems Operations	Treatment Diemer	1,418,364	-	1,418,364	-	-	-	-	1,418,364
Water Systems Operations	Treatment Mills	1,189,007	-	1,189,007	-	-	-	-	1,189,007
Water Systems Operations	Treatment Skinner	1,266,280	-	1,266,280	-	-	-	-	1,266,280
Water Systems Operations	Treatment Weymouth	1,446,068	-	1,446,068	-	-	-	-	1,446,068
Water Systems Operations	Water Quality Section	-	-	-	-	-	-	-	-
Water Systems Operations	C&D, Eastern Unit	10,249,975	-	10,249,975	-	-	-	-	10,249,975
Water Systems Operations	C&D, Western Unit	10,247,283	-	10,247,283	-	-	-	-	10,247,283
Water Systems Operations	OSS, Manufacturing Services Unit	5,043,929	-	5,043,929	-	-	-	-	5,043,929
Water Systems Operations	Environmental Health & Safety Section	3,491,341	-	3,491,341	-	-	-	-	3,491,341
Water Systems Operations	OSS, Fleet Services Unit	3,586,204	-	3,586,204	-	-	-	-	3,586,204
Water Systems Operations	OSS, Power Support Unit	3,928,895	-	3,928,895	-	-	-	-	3,928,895
Water Systems Operations	Office of the Manager, Operations & Planning Section	117,789	-	117,789	-	-	-	-	117,789
Water Systems Operations	Security Team & Security Management	381,077	-	381,077	-	-	-	-	381,077
Office of the Chief Financial Of		-	-	-	-	-	-	-	-
Business Technology	Office of Manager	-	-	-	-	-	-	-	-
Engineering Services		6,079,285	-	6,079,285	-	-	-	-	6,079,285
Business Technology	Administrative Services	-	-	-	-	-	-	-	-
Business Technology	Information Technology	6,061,807	-	6,061,807	-	-	-	-	6,061,807
Water Resources Managemen	Resource Planning & Development	1,318,619	-	1,318,619	-	-	-	-	1,318,619
Water Resources Managemen	Resource Implementation	-	-	-	-	-	-	-	-
Water Resources Managemen	Office of the Group Manager	210,507	-	210,507	-	-	-	-	210,507
Ethics Office		-	-	-	-	-	-	-	-
Real Property		1,229,027	-	1,229,027	-	-	-	-	1,229,027
General Counsel		-	-	-	-	-	-	-	-
General Auditor		-	-	-	-	-	-	-	-
Total Departmental O&M	-	75,947,855	-	75,947,855	-	-	-	-	75,947,855

Allocation Percentages: Hydroelectric
Fiscal Year Ending 2020

		Functionalization	Allocation Percentages						% Total
			Fixed			Variable	Other	Hydroelectric	
			Demand	Commodity	Standby	Commodity			
Departmental O&M									
Group	***Item***								
Office of General Manager		55,695	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	100.0%
Office of General Manager	Board of Directors	-	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	100.0%
Office of General Manager	Bay Delta Initiatives	-	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	100.0%
External Affairs	Legislative Services	-	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	100.0%
External Affairs	Media Communications Services	-	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	100.0%
External Affairs	Manager, External Affairs/Special Projects	-	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	100.0%
External Affairs	Conservation & Community Services	-	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	100.0%
Human Resources		137,331	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	100.0%
Water Systems Operations	Office of the Manager	97,419	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	100.0%
Water Systems Operations	Office of the Manager, Conveyance & Distribution Section	16,672	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	100.0%
Water Systems Operations	Office of the Manager, Treatment Section	-	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	100.0%
Water Systems Operations	Office of the Manager, Operations Support Services	46,110	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	100.0%
Water Systems Operations	Operations Support Services	138,491	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	100.0%
Water Systems Operations	Desert Region / C&D CRA	-	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	100.0%
Water Systems Operations	System Operations Unit	-	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	100.0%
Water Systems Operations	Power Operations and Planning	40,365	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	100.0%
Water Systems Operations	Operations Planning & Programs Unit	-	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	100.0%
Water Systems Operations	Treatment Jensen	-	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	100.0%
Water Systems Operations	Treatment Diemer	-	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	100.0%
Water Systems Operations	Treatment Mills	-	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	100.0%
Water Systems Operations	Treatment Skinner	-	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	100.0%
Water Systems Operations	Treatment Weymouth	-	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	100.0%
Water Systems Operations	Water Quality Section	-	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	100.0%
Water Systems Operations	C&D, Eastern Unit	735,433	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	100.0%
Water Systems Operations	C&D, Western Unit	827,331	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	100.0%
Water Systems Operations	OSS, Manufacturing Services Unit	135,838	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	100.0%
Water Systems Operations	Environmental Health & Safety Section	121,476	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	100.0%
Water Systems Operations	OSS, Fleet Services Unit	-	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	100.0%
Water Systems Operations	OSS, Power Support Unit	2,215,253	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	100.0%
Water Systems Operations	Office of the Manager, Operations & Planning Section	7,325	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	100.0%
Water Systems Operations	Security Team & Security Management	95,092	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	100.0%
Office of the Chief Financial Officer		-	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	100.0%
Business Technology	Office of Manager	-	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	100.0%
Engineering Services		326,998	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	100.0%
Business Technology	Administrative Services	-	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	100.0%
Business Technology	Information Technology	461,215	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	100.0%
Water Resources Management	Resource Planning & Development	-	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	100.0%
Water Resources Management	Resource Implementation	-	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	100.0%
Water Resources Management	Office of the Group Manager	-	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	100.0%
Ethics Office		-	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	100.0%
Real Property		-	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	100.0%
General Counsel		-	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	100.0%
General Auditor		-	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	100.0%
Total Departmental O&M		5,458,045	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
GENERAL DISTRICT REQUIREMENTS									
State Water Project									
Supply - O&M		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Supply - Capital		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Power - O&M & Off-Aq Capital		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Power - Capital (less Off-Aq)		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Transmission - Capital - Commodity, Demand, & Standby		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Transmission - O&M - Commodity only		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
CA WaterFix - Capital		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Total State Water Project		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Colorado River Aqueduct Power Costs		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Supply Programs		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Demand Management Programs		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Local Resources Program		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Future Supply Actions		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Conservation Credits Program		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Total Demand Management Programs		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Capital Financing Program		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Revenue Bond Debt Service net of BABs Interest Subsidy Payment		2,755,781	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	100.0%
G.O. Bond Debt Service		-	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	100.0%
Debt Administration & State Revolving Funds		61,773	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	100.0%
Bond Defeasance		-	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	100.0%
PAYGO		1,068,000	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	100.0%
Total Capital Financing Program		3,885,555	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Other Operating Costs									
Operating Equipment		89,595	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	100.0%
OPEB\PERS Pre-Funding		-	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	100.0%
Total Other Operating Costs		89,595	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Increase/(Decrease) in Required Reserves		-	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	100.0%
Total General District Requirements		3,975,149	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
REQUIREMENTS BEFORE OFFSETS:		9,433,194	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Revenue Offsets									
Taxes - MWD Portion of SWP GO Debt Service		-	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	100.0%
Taxes - MWD GO Debt Service		-	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	100.0%
Interest on Investments		94,239	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	100.0%
Hydro-Power Revenue		15,295,282	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	100.0%
CRA Power Revenue		-	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	100.0%
Wadsworth Pumping Plant (DVL) Power Revenue (cost in dept)		-	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	100.0%
Misc. allocated to A&G (Lease, Late Fees, etc.)		-	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	100.0%
Misc. allocated to supply (PVID Lease, CVWD Revenues)		-	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	100.0%
Taxes - additional from fixed tax rate		-	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	100.0%
Revenue Reserve used for Revenue Bonds - I&P		-	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	100.0%
Annexation		-	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	100.0%
Total Revenue Offsets		15,389,521	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
NET REVENUE REQUIREMENTS:	-	(5,956,327)	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

Allocation of Revenue Requirements: Hydroelectric
Fiscal Year Ending 2020

		Functionalization	Allocation Percentages						Total
			Fixed			Variable Commodity	Other	Hydroelectric	
			Demand	Commodity	Standby				
Departmental O&M									
Group	***Item***								
Office of General Manager		55,695	-	-	-	-	-	55,695	55,695
Office of General Manager	Board of Directors	-	-	-	-	-	-	-	-
Office of General Manager	Bay Delta Initiatives	-	-	-	-	-	-	-	-
External Affairs	Legislative Services	-	-	-	-	-	-	-	-
External Affairs	Media Communications Services	-	-	-	-	-	-	-	-
External Affairs	Manager, External Affairs/Special Projects	-	-	-	-	-	-	-	-
External Affairs	Conservation & Community Services	-	-	-	-	-	-	-	-
Human Resources		137,331	-	-	-	-	-	137,331	137,331
Water Systems Operations	Office of the Manager	97,419	-	-	-	-	-	97,419	97,419
Water Systems Operations	Office of the Manager, Conveyance & Distribution S	16,672	-	-	-	-	-	16,672	16,672
Water Systems Operations	Office of the Manager, Treatment Section	-	-	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Operations Support Service	46,110	-	-	-	-	-	46,110	46,110
Water Systems Operations	Operations Support Services	138,491	-	-	-	-	-	138,491	138,491
Water Systems Operations	Desert Region / C&D CRA	-	-	-	-	-	-	-	-
Water Systems Operations	System Operations Unit	-	-	-	-	-	-	-	-
Water Systems Operations	Power Operations and Planning	40,365	-	-	-	-	-	40,365	40,365
Water Systems Operations	Operations Planning & Programs Unit	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Jensen	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Diemer	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Mills	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Skinner	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Weymouth	-	-	-	-	-	-	-	-
Water Systems Operations	Water Quality Section	-	-	-	-	-	-	-	-
Water Systems Operations	C&D, Eastern Unit	735,433	-	-	-	-	-	735,433	735,433
Water Systems Operations	C&D, Western Unit	827,331	-	-	-	-	-	827,331	827,331
Water Systems Operations	OSS, Manufacturing Services Unit	135,838	-	-	-	-	-	135,838	135,838
Water Systems Operations	Environmental Health & Safety Section	121,476	-	-	-	-	-	121,476	121,476
Water Systems Operations	OSS, Fleet Services Unit	-	-	-	-	-	-	-	-
Water Systems Operations	OSS, Power Support Unit	2,215,253	-	-	-	-	-	2,215,253	2,215,253
Water Systems Operations	Office of the Manager, Operations & Planning Secti	7,325	-	-	-	-	-	7,325	7,325
Water Systems Operations	Security Team & Security Management	95,092	-	-	-	-	-	95,092	95,092
Office of the Chief Financial O		-	-	-	-	-	-	-	-
Business Technology	Office of Manager	-	-	-	-	-	-	-	-
Engineering Services		326,998	-	-	-	-	-	326,998	326,998
Business Technology	Administrative Services	-	-	-	-	-	-	-	-
Business Technology	Information Technology	461,215	-	-	-	-	-	461,215	461,215
Water Resources Managemen	Resource Planning & Development	-	-	-	-	-	-	-	-
Water Resources Managemen	Resource Implementation	-	-	-	-	-	-	-	-
Water Resources Managemen	Office of the Group Manager	-	-	-	-	-	-	-	-
Ethics Office		-	-	-	-	-	-	-	-
Real Property		-	-	-	-	-	-	-	-
General Counsel		-	-	-	-	-	-	-	-
General Auditor		-	-	-	-	-	-	-	-
Total Departmental O&M	-	5,458,045	-	-	-	-	-	5,458,045	5,458,045
		-							-
GENERAL DISTRICT REQUIREMENTS		-	-	-	-	-	-	-	-
		-							-
State Water Project		-	-	-	-	-	-	-	-
Supply - O&M		-	-	-	-	-	-	-	-
Supply - Capital		-	-	-	-	-	-	-	-
Power - O&M & Off-Aq Capital		-	-	-	-	-	-	-	-
Power - Capital (less Off-Aq)		-	-	-	-	-	-	-	-
Transmission - Capital - Commodity, Demand, & Standby		-	-	-	-	-	-	-	-
Transmission - O&M - Commodity only		-	-	-	-	-	-	-	-
CA WaterFix - Capital		-	-	-	-	-	-	-	-
Total State Water Project		-	-	-	-	-	-	-	-
		-							-
Colorado River Aqueduct Power Costs		-	-	-	-	-	-	-	-
		-							-
Supply Programs		-	-	-	-	-	-	-	-
									-
Demand Management Programs		-	-	-	-	-	-	-	-
Local Resources Program		-	-	-	-	-	-	-	-
Future Supply Actions		-	-	-	-	-	-	-	-
Conservation Credits Program		-	-	-	-	-	-	-	-
Total Demand Management Programs		-	-	-	-	-	-	-	-
Capital Financing Program		-	-	-	-	-	-	-	-
Revenue Bond Debt Service net of BABs Interest Subsidy Payment		2,755,781	-	-	-	-	-	2,755,781	2,755,781
G.O. Bond Debt Service		-	-	-	-	-	-	-	-
Debt Administration & State Revolving Funds		61,773	-	-	-	-	-	61,773	61,773
Bond Defeasance		-	-	-	-	-	-	-	-
PAYGO		1,068,000	-	-	-	-	-	1,068,000	1,068,000
Total Capital Financing Program		3,885,555	-	-	-	-	-	3,885,555	3,885,555
Other Operating Costs		-	-	-	-	-	-	-	-
Operating Equipment		89,595	-	-	-	-	-	89,595	89,595
OPEB\PERS Pre-Funding		-	-	-	-	-	-	-	-
Total Other Operating Costs		89,595	-	-	-	-	-	89,595	89,595
Increase/(Decrease) in Required Reserves		-	-	-	-	-	-	-	-
Total General District Requirements		3,975,149	-	-	-	-	-	3,975,149	3,975,149
REQUIREMENTS BEFORE OFFSETS:		9,433,194	-	-	-	-	-	9,433,194	9,433,194
Revenue Offsets									
Taxes - MWD Portion of SWP GO Debt Service		-	-	-	-	-	-	-	-
Taxes - MWD GO Debt Service		-	-	-	-	-	-	-	-
Interest on Investments		94,239	-	-	-	-	-	94,239	94,239
Hydro-Power Revenue		15,295,282	-	-	-	-	-	15,295,282	15,295,282
CRA Power Revenue		-	-	-	-	-	-	-	-
Wadsworth Pumping Plant (DVL) Power Revenue (cost in dept)		-	-	-	-	-	-	-	-
Misc. allocated to A&G (Lease, Late Fees, etc.)		-	-	-	-	-	-	-	-
Misc. allocated to supply (PVID Lease, CVWD Revenues)		-	-	-	-	-	-	-	-
Taxes - additional from fixed tax rate		-	-	-	-	-	-	-	-
Revenue Reserve used for Revenue Bonds - I&P		-	-	-	-	-	-	-	-
Annexation		-	-	-	-	-	-	-	-
Total Revenue Offsets		15,389,521	-	-	-	-	-	15,389,521	15,389,521
NET REVENUE REQUIREMENTS:		(5,956,327)	-	-	-	-	-	(5,956,327)	(5,956,327)

Direct Labor used for A&G Allocation
Allocation of Revenue Requirements: Hydroelectric
Fiscal Year Ending 2020

		Functionalization	Allocation Percentages						Total
			Fixed			Variable Commodity	Other	Hydroelectric	
			Demand	Commodity	Standby				
Departmental O&M									
Group	***Item***								
Office of General Manager		50,932	-	-	-	-	-	50,932	50,932
Office of General Manager	Board of Directors	-	-	-	-	-	-	-	-
Office of General Manager	Bay Delta Initiatives	-	-	-	-	-	-	-	-
External Affairs	Legislative Services	-	-	-	-	-	-	-	-
External Affairs	Media Communications Services	-	-	-	-	-	-	-	-
External Affairs	Manager, External Affairs/Special Projects	-	-	-	-	-	-	-	-
External Affairs	Conservation & Community Services	-	-	-	-	-	-	-	-
Human Resources		111,229	-	-	-	-	-	111,229	111,229
Water Systems Operations	Office of the Manager	57,612	-	-	-	-	-	57,612	57,612
Water Systems Operations	Office of the Manager, Conveyance & Distribution Section	15,632	-	-	-	-	-	15,632	15,632
Water Systems Operations	Office of the Manager, Treatment Section	-	-	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Operations Support Services	41,054	-	-	-	-	-	41,054	41,054
Water Systems Operations	Operations Support Services	126,829	-	-	-	-	-	126,829	126,829
Water Systems Operations	Desert Region / C&D CRA	-	-	-	-	-	-	-	-
Water Systems Operations	System Operations Unit	-	-	-	-	-	-	-	-
Water Systems Operations	Power Operations and Planning	37,395	-	-	-	-	-	37,395	37,395
Water Systems Operations	Operations Planning & Programs Unit	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Jensen	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Diemer	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Mills	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Skinner	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Weymouth	-	-	-	-	-	-	-	-
Water Systems Operations	Water Quality Section	-	-	-	-	-	-	-	-
Water Systems Operations	C&D, Eastern Unit	502,197	-	-	-	-	-	502,197	502,197
Water Systems Operations	C&D, Western Unit	615,521	-	-	-	-	-	615,521	615,521
Water Systems Operations	OSS, Manufacturing Services Unit	123,173	-	-	-	-	-	123,173	123,173
Water Systems Operations	Environmental Health & Safety Section	99,398	-	-	-	-	-	99,398	99,398
Water Systems Operations	OSS, Fleet Services Unit	-	-	-	-	-	-	-	-
Water Systems Operations	OSS, Power Support Unit	2,010,796	-	-	-	-	-	2,010,796	2,010,796
Water Systems Operations	Office of the Manager, Operations & Planning Section	7,418	-	-	-	-	-	7,418	7,418
Water Systems Operations	Security Team & Security Management	18,837	-	-	-	-	-	18,837	18,837
Office of the Chief Financial O		-	-	-	-	-	-	-	-
Business Technology	Office of Manager	-	-	-	-	-	-	-	-
Engineering Services		300,498	-	-	-	-	-	300,498	300,498
Business Technology	Administrative Services	-	-	-	-	-	-	-	-
Business Technology	Information Technology	327,983	-	-	-	-	-	327,983	327,983
Water Resources Managemen	Resource Planning & Development	-	-	-	-	-	-	-	-
Water Resources Managemen	Resource Implementation	-	-	-	-	-	-	-	-
Water Resources Managemen	Office of the Group Manager	-	-	-	-	-	-	-	-
Ethics Office		-	-	-	-	-	-	-	-
Real Property		-	-	-	-	-	-	-	-
General Counsel		-	-	-	-	-	-	-	-
General Auditor		-	-	-	-	-	-	-	-
Total Departmental O&M	-	4,446,502	-	-	-	-	-	4,446,502	4,446,502

Allocation Percentages: Demand Management
Fiscal Year Ending 2020

		Functionalization	Allocation Percentages						% Total
			Fixed			Variable Commodity	Other	Hydroelectric	
			Demand	Commodity	Standby				
Departmental O&M									
Group	***Item***								
Office of General Manager		127,460	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Office of General Manager	Board of Directors	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Office of General Manager	Bay Delta Initiatives	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
External Affairs	Legislative Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
External Affairs	Media Communications Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
External Affairs	Manager, External Affairs/Special Projects	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
External Affairs	Conservation & Community Services	2,971,013	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Human Resources		314,284	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager, Conveyance & Distribution Section	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager, Treatment Section	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager, Operations Support Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Operations Support Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Desert Region / C&D CRA	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	System Operations Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Power Operations and Planning	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Operations Planning & Programs Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Jensen	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Diemer	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Mills	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Skinner	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Weymouth	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Water Quality Section	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	C&D, Eastern Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	C&D, Western Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	OSS, Manufacturing Services Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Environmental Health & Safety Section	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	OSS, Fleet Services Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	OSS, Power Support Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager, Operations & Planning Section	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Security Team & Security Management	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Office of the Chief Financial Officer		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Business Technology	Office of Manager	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Engineering Services		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Business Technology	Administrative Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Business Technology	Information Technology	1,055,500	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Resources Management	Resource Planning & Development	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Resources Management	Resource Implementation	6,995,440	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Resources Management	Office of the Group Manager	1,027,154	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Ethics Office		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Real Property		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
General Counsel		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
General Auditor		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Total Departmental O&M		12,490,852	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
GENERAL DISTRICT REQUIREMENTS									
State Water Project									
Supply - O&M		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Supply - Capital		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Power - O&M & Off-Aq Capital		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Power - Capital (less Off-Aq)		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Transmission - Capital - Commodity, Demand, & Standby		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Transmission - O&M - Commodity only		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
CA WaterFix - Capital		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Total State Water Project		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Colorado River Aqueduct Power Costs		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Supply Programs		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Demand Management Programs		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Local Resources Program		40,825,324	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Future Supply Actions		1,985,000	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Conservation Credits Program		43,000,000	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Total Demand Management Programs		85,810,324	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Capital Financing Program		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Revenue Bond Debt Service net of BABs Interest Subsidy Payment		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
G.O. Bond Debt Service		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Debt Administration & State Revolving Funds		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Bond Defeasance		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
PAYGO		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Total Capital Financing Program		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Other Operating Costs									
Operating Equipment		158,654	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
OPEB\PERS Pre-Funding		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Total Other Operating Costs		158,654	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Increase/(Decrease) in Required Reserves		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Total General District Requirements		85,968,978	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
REQUIREMENTS BEFORE OFFSETS:		98,459,830	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Revenue Offsets									
Taxes - MWD Portion of SWP GO Debt Service		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Taxes - MWD GO Debt Service		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Interest on Investments		983,624	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Hydro-Power Revenue		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
CRA Power Revenue		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Wadsworth Pumping Plant (DVL) Power Revenue (cost in dept)		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Misc. allocated to A&G (Lease, Late Fees, etc.)		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Misc. allocated to supply (PVID Lease, CVWD Revenues)		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Taxes - additional from fixed tax rate		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Revenue Reserve used for Revenue Bonds - I&P		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Annexation		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Total Revenue Offsets		983,624	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
NET REVENUE REQUIREMENTS:	-	97,476,206	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

Allocation of Revenue Requirements: Demand Management
Fiscal Year Ending 2020

		Functionalization	Allocation Percentages						Total
			Fixed			Variable Commodity	Other	Hydroelectric	
			Demand	Commodity	Standby				
Departmental O&M									
Group	***Item***								
Office of General Manager		127,460	-	127,460	-	-	-	-	127,460
Office of General Manager	Board of Directors	-	-	-	-	-	-	-	-
Office of General Manager	Bay Delta Initiatives	-	-	-	-	-	-	-	-
External Affairs	Legislative Services	-	-	-	-	-	-	-	-
External Affairs	Media Communications Services	-	-	-	-	-	-	-	-
External Affairs	Manager, External Affairs/Special Projects	-	-	-	-	-	-	-	-
External Affairs	Conservation & Community Services	2,971,013	-	2,971,013	-	-	-	-	2,971,013
Human Resources		314,284	-	314,284	-	-	-	-	314,284
Water Systems Operations	Office of the Manager	-	-	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Conveyance & Distribution S	-	-	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Treatment Section	-	-	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Operations Support Service	-	-	-	-	-	-	-	-
Water Systems Operations	Operations Support Services	-	-	-	-	-	-	-	-
Water Systems Operations	Desert Region / C&D CRA	-	-	-	-	-	-	-	-
Water Systems Operations	System Operations Unit	-	-	-	-	-	-	-	-
Water Systems Operations	Power Operations and Planning	-	-	-	-	-	-	-	-
Water Systems Operations	Operations Planning & Programs Unit	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Jensen	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Diemer	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Mills	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Skinner	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Weymouth	-	-	-	-	-	-	-	-
Water Systems Operations	Water Quality Section	-	-	-	-	-	-	-	-
Water Systems Operations	C&D, Eastern Unit	-	-	-	-	-	-	-	-
Water Systems Operations	C&D, Western Unit	-	-	-	-	-	-	-	-
Water Systems Operations	OSS, Manufacturing Services Unit	-	-	-	-	-	-	-	-
Water Systems Operations	Environmental Health & Safety Section	-	-	-	-	-	-	-	-
Water Systems Operations	OSS, Fleet Services Unit	-	-	-	-	-	-	-	-
Water Systems Operations	OSS, Power Support Unit	-	-	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Operations & Planning Secti	-	-	-	-	-	-	-	-
Water Systems Operations	Security Team & Security Management	-	-	-	-	-	-	-	-
Office of the Chief Financial O		-	-	-	-	-	-	-	-
Business Technology	Office of Manager	-	-	-	-	-	-	-	-
Engineering Services		-	-	-	-	-	-	-	-
Business Technology	Administrative Services	-	-	-	-	-	-	-	-
Business Technology	Information Technology	1,055,500	-	1,055,500	-	-	-	-	1,055,500
Water Resources Managemen	Resource Planning & Development	-	-	-	-	-	-	-	-
Water Resources Managemen	Resource Implementation	6,995,440	-	6,995,440	-	-	-	-	6,995,440
Water Resources Managemen	Office of the Group Manager	1,027,154	-	1,027,154	-	-	-	-	1,027,154
Ethics Office		-	-	-	-	-	-	-	-
Real Property		-	-	-	-	-	-	-	-
General Counsel		-	-	-	-	-	-	-	-
General Auditor		-	-	-	-	-	-	-	-
Total Departmental O&M	-	12,490,852	-	12,490,852	-	-	-	-	12,490,852
		-							-
GENERAL DISTRICT REQUIREMENTS		-	-	-	-	-	-	-	-
		-							-
State Water Project		-	-	-	-	-	-	-	-
Supply - O&M		-	-	-	-	-	-	-	-
Supply - Capital		-	-	-	-	-	-	-	-
Power - O&M & Off-Aq Capital		-	-	-	-	-	-	-	-
Power - Capital (less Off-Aq)		-	-	-	-	-	-	-	-
Transmission - Capital - Commodity, Demand, & Standby		-	-	-	-	-	-	-	-
Transmission - O&M - Commodity only		-	-	-	-	-	-	-	-
CA WaterFix - Capital		-	-	-	-	-	-	-	-
Total State Water Project		-	-	-	-	-	-	-	-
		-							-
Colorado River Aqueduct Power Costs		-	-	-	-	-	-	-	-
		-							-
Supply Programs		-	-	-	-	-	-	-	-
									-
Demand Management Programs		-	-	-	-	-	-	-	-
Local Resources Program		40,825,324	-	40,825,324	-	-	-	-	40,825,324
Future Supply Actions		1,985,000	-	1,985,000	-	-	-	-	1,985,000
Conservation Credits Program		43,000,000	-	43,000,000	-	-	-	-	43,000,000
Total Demand Management Programs		85,810,324	-	85,810,324	-	-	-	-	85,810,324
Capital Financing Program		-	-	-	-	-	-	-	-
Revenue Bond Debt Service net of BABs Interest Subsidy Payment		-	-	-	-	-	-	-	-
G.O. Bond Debt Service		-	-	-	-	-	-	-	-
Debt Administration & State Revolving Funds		-	-	-	-	-	-	-	-
Bond Defeasance		-	-	-	-	-	-	-	-
PAYGO		-	-	-	-	-	-	-	-
Total Capital Financing Program		-	-	-	-	-	-	-	-
Other Operating Costs		-	-	-	-	-	-	-	-
Operating Equipment		158,654	-	158,654	-	-	-	-	158,654
OPEB\PERS Pre-Funding		-	-	-	-	-	-	-	-
Total Other Operating Costs		158,654	-	158,654	-	-	-	-	158,654
Increase/(Decrease) in Required Reserves		-	-	-	-	-	-	-	-
Total General District Requirements		85,968,978	-	85,968,978	-	-	-	-	85,968,978
REQUIREMENTS BEFORE OFFSETS:		98,459,830	-	98,459,830	-	-	-	-	98,459,830
Revenue Offsets									
Taxes - MWD Portion of SWP GO Debt Service		-	-	-	-	-	-	-	-
Taxes - MWD GO Debt Service		-	-	-	-	-	-	-	-
Interest on Investments		983,624	-	983,624	-	-	-	-	983,624
Hydro-Power Revenue		-	-	-	-	-	-	-	-
CRA Power Revenue		-	-	-	-	-	-	-	-
Wadsworth Pumping Plant (DVL) Power Revenue (cost in dept)		-	-	-	-	-	-	-	-
Misc. allocated to A&G (Lease, Late Fees, etc.)		-	-	-	-	-	-	-	-
Misc. allocated to supply (PVID Lease, CVWD Revenues)		-	-	-	-	-	-	-	-
Taxes - additional from fixed tax rate		-	-	-	-	-	-	-	-
Revenue Reserve used for Revenue Bonds - I&P		-	-	-	-	-	-	-	-
Annexation		-	-	-	-	-	-	-	-
Total Revenue Offsets		983,624	-	983,624	-	-	-	-	983,624
NET REVENUE REQUIREMENTS:		97,476,206	-	97,476,206	-	-	-	-	97,476,206

Direct Labor used for A&G Allocation
Allocation of Revenue Requirements: Demand Management
Fiscal Year Ending 2020

		Functionalization	Allocation Percentages						Total
			Fixed			Variable Commodity	Other	Hydroelectric	
			Demand	Commodity	Standby				
Departmental O&M									
Group	***Item***								
Office of General Manager		116,560	-	116,560	-	-	-	-	116,560
Office of General Manager	Board of Directors	-	-	-	-	-	-	-	-
Office of General Manager	Bay Delta Initiatives	-	-	-	-	-	-	-	-
External Affairs	Legislative Services	-	-	-	-	-	-	-	-
External Affairs	Media Communications Services	-	-	-	-	-	-	-	-
External Affairs	Manager, External Affairs/Special Projects	-	-	-	-	-	-	-	-
External Affairs	Conservation & Community Services	1,668,617	-	1,668,617	-	-	-	-	1,668,617
Human Resources		254,551	-	254,551	-	-	-	-	254,551
Water Systems Operations	Office of the Manager	-	-	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Conveyance & Distribution Section	-	-	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Treatment Section	-	-	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Operations Support Services	-	-	-	-	-	-	-	-
Water Systems Operations	Operations Support Services	-	-	-	-	-	-	-	-
Water Systems Operations	Desert Region / C&D CRA	-	-	-	-	-	-	-	-
Water Systems Operations	System Operations Unit	-	-	-	-	-	-	-	-
Water Systems Operations	Power Operations and Planning	-	-	-	-	-	-	-	-
Water Systems Operations	Operations Planning & Programs Unit	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Jensen	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Diemer	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Mills	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Skinner	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Weymouth	-	-	-	-	-	-	-	-
Water Systems Operations	Water Quality Section	-	-	-	-	-	-	-	-
Water Systems Operations	C&D, Eastern Unit	-	-	-	-	-	-	-	-
Water Systems Operations	C&D, Western Unit	-	-	-	-	-	-	-	-
Water Systems Operations	OSS, Manufacturing Services Unit	-	-	-	-	-	-	-	-
Water Systems Operations	Environmental Health & Safety Section	-	-	-	-	-	-	-	-
Water Systems Operations	OSS, Fleet Services Unit	-	-	-	-	-	-	-	-
Water Systems Operations	OSS, Power Support Unit	-	-	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Operations & Planning Section	-	-	-	-	-	-	-	-
Water Systems Operations	Security Team & Security Management	-	-	-	-	-	-	-	-
Office of the Chief Financial O		-	-	-	-	-	-	-	-
Business Technology	Office of Manager	-	-	-	-	-	-	-	-
Engineering Services		-	-	-	-	-	-	-	-
Business Technology	Administrative Services	-	-	-	-	-	-	-	-
Business Technology	Information Technology	750,596	-	750,596	-	-	-	-	750,596
Water Resources Managemen	Resource Planning & Development	-	-	-	-	-	-	-	-
Water Resources Managemen	Resource Implementation	4,059,178	-	4,059,178	-	-	-	-	4,059,178
Water Resources Managemen	Office of the Group Manager	1,024,386	-	1,024,386	-	-	-	-	1,024,386
Ethics Office		-	-	-	-	-	-	-	-
Real Property		-	-	-	-	-	-	-	-
General Counsel		-	-	-	-	-	-	-	-
General Auditor		-	-	-	-	-	-	-	-
Total Departmental O&M	-	7,873,888	-	7,873,888	-	-	-	-	7,873,888

Allocation Percentages: Administrative & General
Fiscal Year Ending 2020

		Functionalization	Allocation Percentages						% Total
			Fixed			Variable Commodity	Other	Hydroelectric	
			Demand	Commodity	Standby				
Departmental O&M									
Group	***Item***								
Office of General Manager		1,231,251	0.0%	1.3%	0.0%	0.0%	0.0%	0.0%	1.3%
Office of General Manager	Board of Directors	1,625,482	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Office of General Manager	Bay Delta Initiatives	-	0.0%	1.9%	0.0%	0.0%	0.0%	0.0%	1.9%
External Affairs	Legislative Services	6,072,069	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
External Affairs	Media Communications Services	5,700,983	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
External Affairs	Manager, External Affairs/Special Projects	8,814,555	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
External Affairs	Conservation & Community Services	2,971,013	0.0%	0.6%	0.0%	0.0%	0.0%	0.0%	0.6%
Human Resources		3,035,966	0.0%	2.8%	0.0%	0.0%	0.0%	0.0%	2.8%
Water Systems Operations	Office of the Manager	26,165	0.0%	1.0%	0.0%	0.0%	0.0%	0.0%	1.0%
Water Systems Operations	Office of the Manager, Conveyance & Distribution Section	532	0.0%	0.2%	0.0%	0.0%	0.0%	0.0%	0.2%
Water Systems Operations	Office of the Manager, Treatment Section	-	0.0%	0.3%	0.0%	0.0%	0.0%	0.0%	0.3%
Water Systems Operations	Office of the Manager, Operations Support Services	12,384	0.0%	0.7%	0.0%	0.0%	0.0%	0.0%	0.7%
Water Systems Operations	Operations Support Services	34,623	0.0%	2.3%	0.0%	0.0%	0.0%	0.0%	2.3%
Water Systems Operations	Desert Region / C&D CRA	-	0.0%	8.5%	0.0%	0.0%	0.0%	0.0%	8.5%
Water Systems Operations	System Operations Unit	-	0.0%	2.7%	0.0%	0.0%	0.0%	0.0%	2.7%
Water Systems Operations	Power Operations and Planning	-	0.0%	1.1%	0.0%	0.0%	0.0%	0.0%	1.2%
Water Systems Operations	Operations Planning & Programs Unit	-	0.0%	1.0%	0.0%	0.0%	0.0%	0.0%	1.0%
Water Systems Operations	Treatment Jensen	-	0.0%	3.8%	0.0%	0.0%	0.0%	0.0%	3.8%
Water Systems Operations	Treatment Diemer	-	0.0%	4.0%	0.0%	0.0%	0.0%	0.0%	4.0%
Water Systems Operations	Treatment Mills	-	0.0%	3.3%	0.0%	0.0%	0.0%	0.0%	3.3%
Water Systems Operations	Treatment Skinner	-	0.0%	3.5%	0.0%	0.0%	0.0%	0.0%	3.5%
Water Systems Operations	Treatment Weymouth	-	0.0%	4.0%	0.0%	0.0%	0.0%	0.0%	4.0%
Water Systems Operations	Water Quality Section	-	0.0%	7.1%	0.0%	0.0%	0.0%	0.0%	7.1%
Water Systems Operations	C&D, Eastern Unit	18,857	0.0%	4.6%	0.0%	0.0%	0.0%	0.2%	4.8%
Water Systems Operations	C&D, Western Unit	30,642	0.0%	4.0%	0.0%	0.0%	0.0%	0.2%	4.2%
Water Systems Operations	OSS, Manufacturing Services Unit	13,584	0.0%	2.2%	0.0%	0.0%	0.0%	0.0%	2.3%
Water Systems Operations	Environmental Health & Safety Section	15,185	0.0%	4.6%	0.0%	0.0%	0.0%	0.0%	4.6%
Water Systems Operations	OSS, Fleet Services Unit	1,167,231	0.0%	2.2%	0.0%	0.0%	0.0%	0.0%	2.2%
Water Systems Operations	OSS, Power Support Unit	15,711	0.0%	1.9%	0.0%	0.0%	0.0%	0.7%	2.6%
Water Systems Operations	Office of the Manager, Operations & Planning Section	1,967	0.0%	0.1%	0.0%	0.0%	0.0%	0.0%	0.1%
Water Systems Operations	Security Team & Security Management	503,237	0.0%	0.7%	0.0%	0.0%	0.0%	0.0%	0.7%
Office of the Chief Financial Officer		24,088,017	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Business Technology	Office of Manager	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Engineering Services		1,730,520	0.0%	11.9%	0.0%	0.0%	0.0%	0.1%	12.0%
Business Technology	Administrative Services	26,984,124	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Business Technology	Information Technology	10,196,058	0.0%	8.1%	0.0%	0.0%	0.0%	0.1%	8.2%
Water Resources Management	Resource Planning & Development	17,425	0.0%	1.5%	0.0%	0.0%	0.0%	0.0%	1.5%
Water Resources Management	Resource Implementation	16,538	0.0%	3.6%	0.0%	0.0%	0.0%	0.0%	3.6%
Water Resources Management	Office of the Group Manager	4,987	0.0%	1.1%	0.0%	0.0%	0.0%	0.0%	1.1%
Ethics Office		1,384,584	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Real Property		6,729,289	0.0%	1.6%	0.0%	0.0%	0.0%	0.0%	1.6%
General Counsel		14,532,588	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
General Auditor		3,685,193	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Total Departmental O&M		120,660,757	0.0%	98.3%	0.0%	0.0%	0.0%	1.7%	100.0%
GENERAL DISTRICT REQUIREMENTS									
State Water Project									
Supply - O&M		-	0.0%	7.8%	0.0%	0.0%	0.0%	0.0%	7.8%
Supply - Capital		-	0.0%	3.1%	0.0%	0.0%	0.0%	0.0%	3.1%
Power - O&M & Off-Aq Capital		-	0.0%	0.0%	0.0%	13.8%	0.0%	0.0%	13.8%
Power - Capital (less Off-Aq)		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Transmission - Capital - Commodity, Demand, & Standby		-	1.7%	4.0%	1.8%	0.0%	0.0%	0.0%	7.5%
Transmission - O&M - Commodity only		-	0.0%	15.8%	0.0%	0.0%	0.0%	0.0%	15.8%
CA WaterFix - Capital		-	0.2%	0.6%	0.3%	0.0%	0.0%	0.0%	1.1%
Total State Water Project		-	1.9%	31.3%	2.0%	13.8%	0.0%	0.0%	49.1%
Colorado River Aqueduct Power Costs		-	0.0%	0.0%	0.0%	4.3%	0.0%	0.0%	4.3%
Supply Programs		-	0.0%	4.4%	0.0%	0.0%	0.0%	0.0%	4.4%
Demand Management Programs		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Local Resources Program		-	0.0%	3.3%	0.0%	0.0%	0.0%	0.0%	3.3%
Future Supply Actions		-	0.0%	0.2%	0.0%	0.0%	0.0%	0.0%	0.2%
Conservation Credits Program		-	0.0%	3.5%	0.0%	0.0%	0.0%	0.0%	3.5%
Total Demand Management Programs		-	0.0%	6.9%	0.0%	0.0%	0.0%	0.0%	6.9%
Capital Financing Program		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Revenue Bond Debt Service net of BABs Interest Subsidy Payment		14,583,967	5.1%	11.2%	7.4%	0.0%	0.0%	0.2%	23.9%
G.O. Bond Debt Service		-	0.4%	0.5%	0.3%	0.0%	0.0%	0.0%	1.2%
Debt Administration & State Revolving Funds		326,913	0.1%	0.3%	0.2%	0.0%	0.0%	0.0%	0.5%
Bond Defeasance		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
PAYGO		5,652,000	2.0%	4.3%	2.9%	0.0%	0.0%	0.1%	9.3%
Total Capital Financing Program		20,562,880	7.5%	16.3%	10.7%	0.0%	0.0%	0.3%	34.8%
Other Operating Costs									
Operating Equipment		1,535,962	0.0%	0.4%	0.0%	0.0%	0.0%	0.0%	0.4%
OPEB\PERS Pre-Funding		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Total Other Operating Costs		1,535,962	0.0%	0.4%	0.0%	0.0%	0.0%	0.0%	0.4%
Increase/(Decrease) in Required Reserves		41,300,000	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Total General District Requirements		63,398,842	9.4%	59.4%	12.7%	18.1%	0.0%	0.3%	100.0%
REQUIREMENTS BEFORE OFFSETS:		184,059,599	7.7%	66.4%	10.5%	14.9%	0.0%	0.6%	100.0%
Revenue Offsets									
Taxes - MWD Portion of SWP GO Debt Service		-	7.7%	66.4%	10.5%	14.9%	0.0%	0.6%	100.0%
Taxes - MWD GO Debt Service		-	7.7%	66.4%	10.5%	14.9%	0.0%	0.6%	100.0%
Interest on Investments		1,838,774	7.7%	66.4%	10.5%	14.9%	0.0%	0.6%	100.0%
Hydro-Power Revenue		-	7.7%	66.4%	10.5%	14.9%	0.0%	0.6%	100.0%
CRA Power Revenue		-	7.7%	66.4%	10.5%	14.9%	0.0%	0.6%	100.0%
Wadsworth Pumping Plant (DVL) Power Revenue (cost in dept)		-	7.7%	66.4%	10.5%	14.9%	0.0%	0.6%	100.0%
Misc. allocated to A&G (Lease, Late Fees, etc.)		2,040,000	7.7%	66.4%	10.5%	14.9%	0.0%	0.6%	100.0%
Misc. allocated to supply (PVID Lease, CVWD Revenues)		-	7.7%	66.4%	10.5%	14.9%	0.0%	0.6%	100.0%
Taxes - additional from fixed tax rate		-	7.7%	66.4%	10.5%	14.9%	0.0%	0.6%	100.0%
Revenue Reserve used for Revenue Bonds - I&P		-	7.7%	66.4%	10.5%	14.9%	0.0%	0.6%	100.0%
Annexation		-	7.7%	66.4%	10.5%	14.9%	0.0%	0.6%	100.0%
Total Revenue Offsets		3,878,774	7.7%	66.4%	10.5%	14.9%	0.0%	0.6%	100.0%
NET REVENUE REQUIREMENTS:	-	180,180,825	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

Allocation of Revenue Requirements: Administrative & General
Fiscal Year Ending 2020

		Functionalization	Allocation Percentages						Total
			Fixed			Variable	Other	Hydroelectric	
			Demand	Commodity	Standby	Commodity			
Departmental O&M									
Group	***Item***								
Office of General Manager		-	-	1,520,821	-	-	-	22,849	1,543,670
Office of General Manager	Board of Directors	-	-	-	-	-	-	-	-
Office of General Manager	Bay Delta Initiatives	-	-	2,324,670	-	-	-	-	2,324,670
External Affairs	Legislative Services	-	-	-	-	-	-	-	-
External Affairs	Media Communications Services	-	-	-	-	-	-	-	-
External Affairs	Manager, External Affairs/Special Projects	-	-	-	-	-	-	-	-
External Affairs	Conservation & Community Services	-	-	748,566	-	-	-	-	748,566
Human Resources		-	-	3,321,273	-	-	-	49,899	3,371,172
Water Systems Operations	Office of the Manager	-	-	1,217,660	-	-	-	25,845	1,243,505
Water Systems Operations	Office of the Manager, Conveyance & Distribution S	-	-	287,898	-	-	-	7,013	294,911
Water Systems Operations	Office of the Manager, Treatment Section	-	-	387,579	-	-	-	-	387,579
Water Systems Operations	Office of the Manager, Operations Support Service	-	-	867,700	-	-	-	18,417	886,117
Water Systems Operations	Operations Support Services	-	-	2,773,738	-	-	-	56,897	2,830,635
Water Systems Operations	Desert Region / C&D CRA	-	-	10,211,942	-	-	-	-	10,211,942
Water Systems Operations	System Operations Unit	-	-	3,236,726	-	-	-	-	3,236,726
Water Systems Operations	Power Operations and Planning	-	-	1,381,208	-	-	-	16,776	1,397,984
Water Systems Operations	Operations Planning & Programs Unit	-	-	1,242,554	-	-	-	-	1,242,554
Water Systems Operations	Treatment Jensen	-	-	4,541,796	-	-	-	-	4,541,796
Water Systems Operations	Treatment Diemer	-	-	4,784,202	-	-	-	-	4,784,202
Water Systems Operations	Treatment Mills	-	-	4,010,572	-	-	-	-	4,010,572
Water Systems Operations	Treatment Skinner	-	-	4,271,215	-	-	-	-	4,271,215
Water Systems Operations	Treatment Weymouth	-	-	4,877,647	-	-	-	-	4,877,647
Water Systems Operations	Water Quality Section	-	-	8,551,027	-	-	-	-	8,551,027
Water Systems Operations	C&D, Eastern Unit	-	-	5,545,674	-	-	-	225,293	5,770,967
Water Systems Operations	C&D, Western Unit	-	-	4,827,190	-	-	-	276,132	5,103,322
Water Systems Operations	OSS, Manufacturing Services Unit	-	-	2,702,074	-	-	-	55,257	2,757,331
Water Systems Operations	Environmental Health & Safety Section	-	-	5,523,737	-	-	-	44,591	5,568,329
Water Systems Operations	OSS, Fleet Services Unit	-	-	2,683,385	-	-	-	-	2,683,385
Water Systems Operations	OSS, Power Support Unit	-	-	2,290,368	-	-	-	902,072	3,192,440
Water Systems Operations	Office of the Manager, Operations & Planning Secti	-	-	156,782	-	-	-	3,328	160,110
Water Systems Operations	Security Team & Security Management	-	-	896,307	-	-	-	8,450	904,758
Office of the Chief Financial O		-	-	-	-	-	-	-	-
Business Technology	Office of Manager	-	-	-	-	-	-	-	-
Engineering Services		-	-	14,298,691	-	-	-	134,808	14,433,498
Business Technology	Administrative Services	-	-	-	-	-	-	-	-
Business Technology	Information Technology	-	-	9,793,466	-	-	-	147,138	9,940,604
Water Resources Managemen	Resource Planning & Development	-	-	1,785,411	-	-	-	-	1,785,411
Water Resources Managemen	Resource Implementation	-	-	4,300,675	-	-	-	-	4,300,675
Water Resources Managemen	Office of the Group Manager	-	-	1,370,358	-	-	-	-	1,370,358
Ethics Office		-	-	-	-	-	-	-	-
Real Property		-	-	1,933,079	-	-	-	-	1,933,079
General Counsel		-	-	-	-	-	-	-	-
General Auditor		-	-	-	-	-	-	-	-
Total Departmental O&M	-	-	-	118,665,991	-	-	-	1,994,766	120,660,757
		-							-
GENERAL DISTRICT REQUIREMENTS		-	-	-	-	-	-	-	-
		-							-
State Water Project		-	-	-	-	-	-	-	-
Supply - O&M		-	-	4,936,347	-	-	-	-	4,936,347
Supply - Capital		-	-	1,987,769	-	-	-	-	1,987,769
Power - O&M & Off-Aq Capital		-	-	-	-	8,768,898	-	-	8,768,898
Power - Capital (less Off-Aq)		-	-	-	-	-	-	-	-
Transmission - Capital - Commodity, Demand, & Standby		-	1,049,480	2,559,707	1,136,136	-	-	-	4,745,323
Transmission - O&M - Commodity only		-	-	10,025,654	-	-	-	-	10,025,654
CA WaterFix - Capital		-	147,936	360,820	160,151	-	-	-	668,908
Total State Water Project		-	1,197,416	19,870,298	1,296,287	8,768,898	-	-	31,132,899
		-							-
Colorado River Aqueduct Power Costs		-	-	-	-	2,716,357	-	-	2,716,357
		-							-
Supply Programs		-	-	2,790,558	-	-	-	-	2,790,558
									-
Demand Management Programs		-	-	-	-	-	-	-	-
Local Resources Program		-	-	2,094,468	-	-	-	-	2,094,468
Future Supply Actions		-	-	101,837	-	-	-	-	101,837
Conservation Credits Program		-	-	2,206,035	-	-	-	-	2,206,035
Total Demand Management Programs		-	-	4,402,340	-	-	-	-	4,402,340
Capital Financing Program		-	-	-	-	-	-	-	-
Revenue Bond Debt Service net of BABs Interest Subsidy Payment		-	3,221,651	7,109,989	4,664,199	-	-	141,380	15,137,218
G.O. Bond Debt Service		-	230,261	302,236	203,212	-	-	-	735,709
Debt Administration & State Revolving Funds		-	72,216	159,377	104,552	-	-	3,169	339,315
Bond Defeasance		-	-	-	-	-	-	-	-
PAYGO		-	1,248,547	2,755,468	1,807,605	-	-	54,792	5,866,412
Total Capital Financing Program		-	4,772,675	10,327,070	6,779,568	-	-	199,341	22,078,654
Other Operating Costs		-	-	-	-	-	-	-	-
Operating Equipment		-	-	267,737	5,702	-	-	4,596	278,035
OPEB\PERS Pre-Funding		-	-	-	-	-	-	-	-
Total Other Operating Costs		-	-	267,737	5,702	-	-	4,596	278,035
Increase/(Decrease) in Required Reserves		-	-	-	-	-	-	-	-
Total General District Requirements		-	5,970,091	37,658,002	8,081,557	11,485,254	-	203,938	63,398,842
REQUIREMENTS BEFORE OFFSETS:		184,059,599	5,970,091	156,323,994	8,081,557	11,485,254	-	2,198,703	184,059,599
Revenue Offsets									
Taxes - MWD Portion of SWP GO Debt Service		-	-	-	-	-	-	-	-
Taxes - MWD GO Debt Service		-	-	-	-	-	-	-	-
Interest on Investments		1,838,774	142,202	1,220,217	192,495	273,568	-	10,291	1,838,774
Hydro-Power Revenue		-	-	-	-	-	-	-	-
CRA Power Revenue		-	-	-	-	-	-	-	-
Wadsworth Pumping Plant (DVL) Power Revenue (cost in dept)		-	-	-	-	-	-	-	-
Misc. allocated to A&G (Lease, Late Fees, etc.)		2,040,000	157,764	1,353,751	213,561	303,506	-	11,417	2,040,000
Misc. allocated to supply (PVID Lease, CVWD Revenues)		-	-	-	-	-	-	-	-
Taxes - additional from fixed tax rate		-	-	-	-	-	-	-	-
Revenue Reserve used for Revenue Bonds - I&P		-	-	-	-	-	-	-	-
Annexation		-	-	-	-	-	-	-	-
Total Revenue Offsets		3,878,774	299,966	2,573,969	406,056	577,075	-	21,709	3,878,774
NET REVENUE REQUIREMENTS:		180,180,825	5,670,125	153,750,025	7,675,500	10,908,180	-	2,176,995	180,180,825

Detailed Summary of Cost Allocations (by budget line item, Includes Administrative and General Costs)
Fiscal Year Ending 2020

		Total Costs to Be Allocated	A&G Cost Redistribution	Adjusted Costs	Allocation Categories						Total
					Fixed			Variable Commodity	Other	Hydroelectric	
					Demand	Commodity	Standby				
Departmental O&M											
Group	***Item***										
Office of General Manager		1,231,251	4,075,171	5,306,422	-	5,227,878	-	-	-	78,544	5,306,422
Office of General Manager	Board of Directors	1,625,482	(1,625,482)	-	-	-	-	-	-	-	-
Office of General Manager	Bay Delta Initiatives	-	12,405,862	12,405,862	-	12,405,862	-	-	-	-	12,405,862
External Affairs	Legislative Services	6,072,069	(6,072,069)	-	-	-	-	-	-	-	-
External Affairs	Media Communications Services	5,700,983	(5,700,983)	-	-	-	-	-	-	-	-
External Affairs	Manager, External Affairs/Special Projects	8,814,555	(8,814,555)	-	-	-	-	-	-	-	-
External Affairs	Conservation & Community Services	2,971,013	748,566	3,719,579	-	3,719,579	-	-	-	-	3,719,579
Human Resources		3,035,966	9,613,242	12,649,208	-	12,461,978	-	-	-	187,230	12,649,208
Water Systems Operations	Office of the Manager	26,165	5,904,473	5,930,639	-	5,807,374	-	-	-	123,264	5,930,639
Water Systems Operations	Office of the Manager, Conveyance & Distribution Se	532	995,493	996,025	-	972,340	-	-	-	23,685	996,025
Water Systems Operations	Office of the Manager, Treatment Section	-	1,578,755	1,578,755	-	1,578,755	-	-	-	-	1,578,755
Water Systems Operations	Office of the Manager, Operations Support Services	12,384	3,092,236	3,104,620	-	3,040,093	-	-	-	64,527	3,104,620
Water Systems Operations	Operations Support Services	34,623	9,685,925	9,720,548	-	9,525,160	-	-	-	195,388	9,720,548
Water Systems Operations	Desert Region / C&D CRA	-	36,977,415	36,977,415	-	36,977,415	-	-	-	-	36,977,415
Water Systems Operations	System Operations Unit	-	11,629,444	11,629,444	-	11,629,444	-	-	-	-	11,629,444
Water Systems Operations	Power Operations and Planning	-	4,761,774	4,761,774	-	4,704,632	-	-	-	57,141	4,761,774
Water Systems Operations	Operations Planning & Programs Unit	-	4,021,163	4,021,163	-	4,021,163	-	-	-	-	4,021,163
Water Systems Operations	Treatment Jensen	-	20,215,485	20,215,485	-	15,335,962	-	4,879,523	-	-	20,215,485
Water Systems Operations	Treatment Diemer	-	23,665,499	23,665,499	-	16,386,743	-	7,278,756	-	-	23,665,499
Water Systems Operations	Treatment Mills	-	16,033,076	16,033,076	-	13,179,303	-	2,853,773	-	-	16,033,076
Water Systems Operations	Treatment Skinner	-	18,480,986	18,480,986	-	14,164,752	-	4,316,234	-	-	18,480,986
Water Systems Operations	Treatment Weymouth	-	23,004,734	23,004,734	-	16,448,480	-	6,556,254	-	-	23,004,734
Water Systems Operations	Water Quality Section	-	32,038,565	32,038,565	-	32,038,565	-	-	-	-	32,038,565
Water Systems Operations	C&D, Eastern Unit	18,857	24,590,505	24,609,362	-	23,648,636	-	-	-	960,726	24,609,362
Water Systems Operations	C&D, Western Unit	30,642	20,362,975	20,393,617	-	19,290,154	-	-	-	1,103,462	20,393,617
Water Systems Operations	OSS, Manufacturing Services Unit	13,584	9,522,084	9,535,668	-	9,344,573	-	-	-	191,096	9,535,668
Water Systems Operations	Environmental Health & Safety Section	15,185	20,722,476	20,737,660	-	20,571,593	-	-	-	166,067	20,737,660
Water Systems Operations	OSS, Fleet Services Unit	1,167,231	10,864,514	12,031,745	-	12,031,745	-	-	-	-	12,031,745
Water Systems Operations	OSS, Power Support Unit	15,711	11,016,527	11,032,238	-	7,914,912	-	-	-	3,117,326	11,032,238
Water Systems Operations	Office of the Manager, Operations & Planning Sectio	1,967	510,561	512,529	-	501,876	-	-	-	10,653	512,529
Water Systems Operations	Security Team & Security Management	503,237	10,582,725	11,085,962	-	10,982,420	-	-	-	103,542	11,085,962
Office of the Chief Financial Officer		24,088,017	(24,088,017)	-	-	-	-	-	-	-	-
Business Technology	Office of Manager	-	-	-	-	-	-	-	-	-	-
Engineering Services		1,730,520	47,713,853	49,444,373	-	48,982,567	-	-	-	461,806	49,444,373
Business Technology	Administrative Services	26,984,124	(26,984,124)	-	-	-	-	-	-	-	-
Business Technology	Information Technology	10,196,058	30,904,111	41,100,169	-	40,491,816	-	-	-	608,353	41,100,169
Water Resources Management	Resource Planning & Development	17,425	6,106,725	6,124,150	-	6,124,150	-	-	-	-	6,124,150
Water Resources Management	Resource Implementation	16,538	20,805,283	20,821,820	-	20,821,820	-	-	-	-	20,821,820
Water Resources Management	Office of the Group Manager	4,987	4,428,270	4,433,257	-	4,433,257	-	-	-	-	4,433,257
Ethics Office		1,384,584	(1,384,584)	-	-	-	-	-	-	-	-
Real Property		6,729,289	4,573,279	11,302,568	-	11,302,568	-	-	-	-	11,302,568
General Counsel		14,532,588	(14,532,588)	-	-	-	-	-	-	-	-
General Auditor		3,685,193	(3,685,193)	-	-	-	-	-	-	-	-
Total Departmental O&M	-	**120,660,757**	**368,744,157**	**489,404,914**	**-**	**456,067,564**	**-**	**25,884,540**	**-**	**7,452,810**	**489,404,914**
GENERAL DISTRICT REQUIREMENTS											
State Water Project											
Supply - O&M		96,219,185	4,936,347	101,155,532	-	101,155,532	-	-	-	-	101,155,532
Supply - Capital		38,745,558	1,987,769	40,733,327	-	40,733,327	-	-	-	-	40,733,327
Power - O&M & Off-Aq Capital		170,923,193	8,768,898	179,692,090	-	-	-	179,692,090	-	-	179,692,090
Power - Capital (less Off-Aq)		(4,292,647)	-	(4,292,647)	-	-	-	(4,292,647)	-	-	(4,292,647)
Transmission - Capital - Commodity, Demand, & Standby		92,495,751	4,745,323	97,241,074	21,505,926	52,453,477	23,281,671	-	-	-	97,241,074
Transmission - O&M - Commodity only		195,419,867	10,025,654	205,445,521	-	205,445,521	-	-	-	-	205,445,521
CA WaterFix - Capital		13,038,349	668,908	13,707,258	3,031,510	7,393,926	3,281,822	-	-	-	13,707,258
Total State Water Project		**602,549,255**	**31,132,899**	**633,682,154**	**24,537,435**	**407,181,783**	**26,563,492**	**175,399,443**	**-**	**-**	**633,682,154**
Colorado River Aqueduct Power Costs		**52,947,173**	**2,716,357**	**55,663,529**	**-**	**-**	**-**	**55,663,529**	**-**	**-**	**55,663,529**
Supply Programs		**54,393,509**	**2,790,558**	**57,184,067**	**-**	**57,184,067**	**-**	**-**	**-**	**-**	**57,184,067**
Demand Management Programs											
Local Resources Program		40,825,324	2,094,468	42,919,792	-	42,919,792	-	-	-	-	42,919,792
Future Supply Actions		1,985,000	101,837	2,086,837	-	2,086,837	-	-	-	-	2,086,837
Conservation Credits Program		43,000,000	2,206,035	45,206,035	-	45,206,035	-	-	-	-	45,206,035
Total Demand Management Programs		**85,810,324**	**4,402,340**	**90,212,664**	**-**	**90,212,664**	**-**	**-**	**-**	**-**	**90,212,664**
Capital Financing Program											
Revenue Bond Debt Service net of BABs Interest Subsidy Payment		309,638,356	553,252	310,191,608	66,018,007	145,697,765	95,578,674	-	-	2,897,162	310,191,608
G.O. Bond Debt Service		14,340,420	735,709	15,076,129	4,718,501	6,193,407	4,164,220	-	-	-	15,076,129
Debt Administration & State Revolving Funds		6,940,835	12,402	6,953,237	1,479,856	3,265,953	2,142,486	-	-	64,943	6,953,237
Bond Defeasance		-	-	-	-	-	-	-	-	-	-
PAYGO		120,000,000	214,412	120,214,412	25,585,205	56,465,007	37,041,409	-	-	1,122,792	120,214,412
Total Capital Financing Program		**450,919,612**	**1,515,774**	**452,435,386**	**97,801,569**	**211,622,132**	**138,926,788**	**-**	**-**	**4,084,896**	**452,435,386**
		-	-	-	-	-	-	-	-	-	-
Other Operating Costs											
Operating Equipment		6,955,417	(1,257,927)	5,697,489	-	5,486,461	116,837	-	-	94,191	5,697,489
OPEB/PERS Pre-Funding		-	-	-	-	-	-	-	-	-	-
Total Other Operating Costs		**6,955,417**	**(1,257,927)**	**5,697,489**	**-**	**5,486,461**	**116,837**	**-**	**-**	**94,191**	**5,697,489**
Increase/(Decrease) in Required Reserves		**41,300,000**	**(41,300,000)**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
Total General District Requirements		**1,294,875,289**	**-**	**1,294,875,289**	**122,339,005**	**771,687,107**	**165,607,117**	**231,062,972**	**-**	**4,179,087**	**1,294,875,289**
REQUIREMENTS BEFORE OFFSETS:		**1,415,536,046**	**368,744,157**	**1,784,280,203**	**122,339,005**	**1,227,754,671**	**165,607,117**	**256,947,513**	**-**	**11,631,897**	**1,784,280,203**
		-	-	-	-	-	-	-	-	-	-
Revenue Offsets		-	-	-	-	-	-	-	-	-	-
Taxes - MWD Portion of SWP GO Debt Service		10,287,780	-	10,287,780	2,275,255	5,549,402	2,463,123	-	-	-	10,287,780
Taxes - MWD GO Debt Service		14,340,420	-	14,340,420	3,092,383	4,610,568	6,637,469	-	-	-	14,340,420
Interest on Investments		17,825,143	(0)	17,825,143	2,633,640	10,090,860	2,413,221	2,582,893	-	104,530	17,825,143
Hydro-Power Revenue		15,295,282	-	15,295,282	-	-	-	-	-	15,295,282	15,295,282
CRA Power Revenue		3,283,614	-	3,283,614	-	-	-	3,283,614	-	-	3,283,614
Wadsworth Pumping Plant (DVL) Power Revenue (cost in dept)		487,984	-	487,984	-	-	-	487,984	-	-	487,984
Misc. allocated to A&G (Lease, Late Fees, etc.)		2,040,000	0	2,040,000	157,764	1,353,751	213,561	303,506	-	11,417	2,040,000
Misc. allocated to supply (PVID Lease, CVWD Revenues)		9,457,519	-	9,457,519	-	9,457,519	-	-	-	-	9,457,519
Taxes - additional from fixed tax rate		93,440,155	0	93,440,155	15,115,748	61,960,550	16,363,856	-	-	-	93,440,155
Revenue Reserve used for Revenue Bonds - I&P		-	-	-	-	-	-	-	-	-	-
Annexation		-	-	-	-	-	-	-	-	-	-
Total Revenue Offsets		**166,457,897**	**0**	**166,457,897**	**23,274,790**	**93,022,651**	**28,091,230**	**6,657,997**	**-**	**15,411,230**	**166,457,897**
	-										
NET REVENUE REQUIREMENTS:		**$ 1,617,822,306**	**$ 368,744,157**	**$ 1,617,822,306**	**$ 99,064,215**	**$ 1,134,732,020**	**$ 137,515,887**	**$ 250,289,516**	**$ -**	**$ (3,779,332)**	**$ 1,617,822,306**

Costs Used for Calculating A&G Allocation Percentages
Adjusted to exclude negative numbers
Fiscal Year Ending 2020

		Total to Be Allocated Excluding A&G and Negative Values	Line Item Costs by Allocation Category (w/o A&G)						Total Allocations
			Demand	Fixed Commodity	Standby	Variable Commodity	Other	Hydro-Electric	
Departmental O&M									
Group	***Item***								
Office of General Manager		3,440,971	-	3,390,039	-	-	-	50,932	3,440,971
Office of General Manager	Board of Directors	-	-	-	-	-	-	-	-
Office of General Manager	Bay Delta Initiatives	5,181,886	-	5,181,886	-	-	-	-	5,181,886
External Affairs	Legislative Services	-	-	-	-	-	-	-	-
External Affairs	Media Communications Services	-	-	-	-	-	-	-	-
External Affairs	Manager, External Affairs/Special Pro	-	-	-	-	-	-	-	-
External Affairs	Conservation & Community Services	1,668,617	-	1,668,617	-	-	-	-	1,668,617
Human Resources		7,514,629	-	7,403,399	-	-	-	111,229	7,514,629
Water Systems Operations	Office of the Manager	2,771,879	-	2,714,267	-	-	-	57,612	2,771,879
Water Systems Operations	Office of the Manager, Conveyance &	657,382	-	641,750	-	-	-	15,632	657,382
Water Systems Operations	Office of the Manager, Treatment Se	863,946	-	863,946	-	-	-	-	863,946
Water Systems Operations	Office of the Manager, Operations Su	1,975,230	-	1,934,177	-	-	-	41,054	1,975,230
Water Systems Operations	Operations Support Services	6,309,727	-	6,182,898	-	-	-	126,829	6,309,727
Water Systems Operations	Desert Region / C&D CRA	22,763,286	-	22,763,286	-	-	-	-	22,763,286
Water Systems Operations	System Operations Unit	7,214,938	-	7,214,938	-	-	-	-	7,214,938
Water Systems Operations	Power Operations and Planning	3,116,224	-	3,078,829	-	-	-	37,395	3,116,224
Water Systems Operations	Operations Planning & Programs Uni	2,769,759	-	2,769,759	-	-	-	-	2,769,759
Water Systems Operations	Treatment Jensen	10,124,048	-	10,124,048	-	-	-	-	10,124,048
Water Systems Operations	Treatment Diemer	10,664,392	-	10,664,392	-	-	-	-	10,664,392
Water Systems Operations	Treatment Mills	8,939,905	-	8,939,905	-	-	-	-	8,939,905
Water Systems Operations	Treatment Skinner	9,520,902	-	9,520,902	-	-	-	-	9,520,902
Water Systems Operations	Treatment Weymouth	10,872,689	-	10,872,689	-	-	-	-	10,872,689
Water Systems Operations	Water Quality Section	19,060,966	-	19,060,966	-	-	-	-	19,060,966
Water Systems Operations	C&D, Eastern Unit	12,863,976	-	12,361,778	-	-	-	502,197	12,863,976
Water Systems Operations	C&D, Western Unit	11,375,738	-	10,760,217	-	-	-	615,521	11,375,738
Water Systems Operations	OSS, Manufacturing Services Unit	6,146,326	-	6,023,153	-	-	-	123,173	6,146,326
Water Systems Operations	Environmental Health & Safety Sectio	12,412,277	-	12,312,879	-	-	-	99,398	12,412,277
Water Systems Operations	OSS, Fleet Services Unit	5,981,492	-	5,981,492	-	-	-	-	5,981,492
Water Systems Operations	OSS, Power Support Unit	7,116,220	-	5,105,425	-	-	-	2,010,796	7,116,220
Water Systems Operations	Office of the Manager, Operations &	356,899	-	349,481	-	-	-	7,418	356,899
Water Systems Operations	Security Team & Security Manageme	2,016,782	-	1,997,945	-	-	-	18,837	2,016,782
Office of the Chief Financial C		-	-	-	-	-	-	-	-
Business Technology	Office of Manager	-	-	-	-	-	-	-	-
Engineering Services		32,173,493	-	31,872,995	-	-	-	300,498	32,173,493
Business Technology	Administrative Services	-	-	-	-	-	-	-	-
Business Technology	Information Technology	22,158,449	-	21,830,466	-	-	-	327,983	22,158,449
Water Resources Manageme	Resource Planning & Development	3,979,832	-	3,979,832	-	-	-	-	3,979,832
Water Resources Manageme	Resource Implementation	9,586,569	-	9,586,569	-	-	-	-	9,586,569
Water Resources Manageme	Office of the Group Manager	3,054,644	-	3,054,644	-	-	-	-	3,054,644
Ethics Office		-	-	-	-	-	-	-	-
Real Property		4,308,998	-	4,308,998	-	-	-	-	4,308,998
General Counsel		-	-	-	-	-	-	-	-
General Auditor		-	-	-	-	-	-	-	-
Total Departmental O&M	-	**268,963,072**	**-**	**264,516,570**	**-**	**-**	**-**	**4,446,502**	**268,963,072**
GENERAL DISTRICT REQUIREMENTS									
State Water Project									
Supply - O&M		96,219,185	-	96,219,185	-	-	-	-	96,219,185
Supply - Capital		38,745,558	-	38,745,558	-	-	-	-	38,745,558
Power - O&M & Off-Aq Capital		170,923,193	-	-	-	170,923,193	-	-	170,923,193
Power - Capital (less Off-Aq)		-	-	-	-	-	-	-	-
Transmission - Capital - Commodity, Demand, & Standby		92,495,751	20,456,446	49,893,770	22,145,535	-	-	-	92,495,751
Transmission - O&M - Commodity only		195,419,867	-	195,419,867	-	-	-	-	195,419,867
CA WaterFix - Capital		13,038,349	2,883,573	7,033,106	3,121,670	-	-	-	13,038,349
Total State Water Project		**606,841,902**	**23,340,019**	**387,311,485**	**25,267,205**	**170,923,193**	**-**	**-**	**606,841,902**
Colorado River Aqueduct Power Costs		**52,947,173**	**-**	**-**	**-**	**52,947,173**	**-**	**-**	**52,947,173**
Supply Programs		**54,393,509**	**-**	**54,393,509**	**-**	**-**	**-**	**-**	**54,393,509**
Demand Management Programs									
Local Resources Program		40,825,324	-	40,825,324	-	-	-	-	40,825,324
Future Supply Actions		1,985,000	-	1,985,000	-	-	-	-	1,985,000
Conservation Credits Program		43,000,000	-	43,000,000	-	-	-	-	43,000,000
Total Demand Management Programs		**85,810,324**	**-**	**85,810,324**	**-**	**-**	**-**	**-**	**85,810,324**
Capital Financing Program									
Revenue Bond Debt Service net of BABs Interest Subsidy Payment		295,054,390	62,796,356	138,587,777	90,914,475	-	-	2,755,781	295,054,390
G.O. Bond Debt Service		14,340,420	4,488,241	5,891,172	3,961,008	-	-	-	14,340,420
Debt Administration & State Revolving Funds		6,613,922	1,407,639	3,106,576	2,037,934	-	-	61,773	6,613,922
Bond Defeasance		-	-	-	-	-	-	-	-
PAYGO		114,348,000	24,336,658	53,709,538	35,233,804	-	-	1,068,000	114,348,000
Total Capital Financing Program		**430,356,732**	**93,028,894**	**201,295,062**	**132,147,220**	**-**	**-**	**3,885,555**	**430,356,732**
Other Operating Costs									
Operating Equipment		5,419,454	-	5,218,724	111,135	-	-	89,595	5,419,454
OPEB\PERS Pre-Funding		-	-	-	-	-	-	-	-
Total Other Operating Costs		**5,419,454**	**-**	**5,218,724**	**111,135**	**-**	**-**	**89,595**	**5,419,454**
Increase/(Decrease) in Required Reserves		**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
Total General District Requirements		**1,235,769,093**	**116,368,913**	**734,029,105**	**157,525,561**	**223,870,365**	**-**	**3,975,149**	**1,235,769,093**
REQUIREMENTS BEFORE OFFSETS:		**1,504,732,165**	**116,368,913**	**998,545,674**	**157,525,561**	**223,870,365**	**-**	**8,421,652**	**1,504,732,165**
Revenue Offsets									
Taxes - MWD Portion of SWP GO Debt Service		10,287,780	2,275,255	5,549,402	2,463,123	-	-	-	10,287,780
Taxes - MWD GO Debt Service		14,340,420	3,092,383	4,610,568	6,637,469	-	-	-	14,340,420
Interest on Investments		15,986,369	2,491,438	8,870,642	2,220,726	2,309,325	-	94,239	15,986,369
Hydro-Power Revenue		15,295,282	-	-	-	-	-	15,295,282	15,295,282
CRA Power Revenue		3,283,614	-	-	-	3,283,614	-	-	3,283,614
Wadsworth Pumping Plant (DVL) Power Revenue (cost in dept)		487,984	-	-	-	487,984	-	-	487,984
Misc. allocated to A&G (Lease, Late Fees, etc.)		-	-	-	-	-	-	-	-
Misc. allocated to supply (PVID Lease, CVWD Revenues)		9,457,519	-	9,457,519	-	-	-	-	9,457,519
Taxes - additional from fixed tax rate		93,440,155	15,115,748	61,960,550	16,363,856	-	-	-	93,440,155
Revenue Reserve used for Revenue Bonds - I&P		-	-	-	-	-	-	-	-
Annexation		-	-	-	-	-	-	-	-
Total Revenue Offsets		**162,579,123**	**22,974,824**	**90,448,682**	**27,685,174**	**6,080,922**	**-**	**15,389,521**	**162,579,123**
NET REVENUE REQUIREMENTS:		**$ 1,342,153,042**	**$ 93,394,090**	**$ 908,096,992**	**$ 129,840,387**	**$ 217,789,443**	**$ -**	**$ (6,967,869)**	**$ 1,342,153,042**

A&G Cost Allocation Percentages
(Carried to COS Schedule E-a for A&G allocation)
Fiscal Year 2020

		A&G Line Item Allocators by Allocation Category						Total	
			Fixed		Variable	Demand			
		Demand	Commodity	Standby	Commodity	Management	Hydro-Electric		
Departmental O&M									
Group	***Item***								Error Check
Office of General Manager		0.00%	1.26%	0.00%	0.00%	0.00%	0.02%	1.28%	-
Office of General Manager	Board of Directors	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	-
Office of General Manager	Bay Delta Initiatives	0.00%	1.93%	0.00%	0.00%	0.00%	0.00%	1.93%	-
External Affairs	Legislative Services	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	-
External Affairs	Media Communications Services	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	-
External Affairs	Manager, External Affairs/Special Projects	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	-
External Affairs	Conservation & Community Services	0.00%	0.62%	0.00%	0.00%	0.00%	0.00%	0.62%	-
Human Resources		0.00%	2.75%	0.00%	0.00%	0.00%	0.04%	2.79%	-
Water Systems Operations	Office of the Manager	0.00%	1.01%	0.00%	0.00%	0.00%	0.02%	1.03%	-
Water Systems Operations	Office of the Manager, Conveyance & Dist	0.00%	0.24%	0.00%	0.00%	0.00%	0.01%	0.24%	-
Water Systems Operations	Office of the Manager, Treatment Section	0.00%	0.32%	0.00%	0.00%	0.00%	0.00%	0.32%	-
Water Systems Operations	Office of the Manager, Operations Support	0.00%	0.72%	0.00%	0.00%	0.00%	0.02%	0.73%	-
Water Systems Operations	Operations Support Services	0.00%	2.30%	0.00%	0.00%	0.00%	0.05%	2.35%	-
Water Systems Operations	Desert Region / C&D CRA	0.00%	8.46%	0.00%	0.00%	0.00%	0.00%	8.46%	-
Water Systems Operations	System Operations Unit	0.00%	2.68%	0.00%	0.00%	0.00%	0.00%	2.68%	-
Water Systems Operations	Power Operations and Planning	0.00%	1.14%	0.00%	0.00%	0.00%	0.01%	1.16%	-
Water Systems Operations	Operations Planning & Programs Unit	0.00%	1.03%	0.00%	0.00%	0.00%	0.00%	1.03%	-
Water Systems Operations	Treatment Jensen	0.00%	3.76%	0.00%	0.00%	0.00%	0.00%	3.76%	-
Water Systems Operations	Treatment Diemer	0.00%	3.97%	0.00%	0.00%	0.00%	0.00%	3.97%	-
Water Systems Operations	Treatment Mills	0.00%	3.32%	0.00%	0.00%	0.00%	0.00%	3.32%	-
Water Systems Operations	Treatment Skinner	0.00%	3.54%	0.00%	0.00%	0.00%	0.00%	3.54%	-
Water Systems Operations	Treatment Weymouth	0.00%	4.04%	0.00%	0.00%	0.00%	0.00%	4.04%	-
Water Systems Operations	Water Quality Section	0.00%	7.09%	0.00%	0.00%	0.00%	0.00%	7.09%	-
Water Systems Operations	C&D, Eastern Unit	0.00%	4.60%	0.00%	0.00%	0.00%	0.19%	4.78%	-
Water Systems Operations	C&D, Western Unit	0.00%	4.00%	0.00%	0.00%	0.00%	0.23%	4.23%	-
Water Systems Operations	OSS, Manufacturing Services Unit	0.00%	2.24%	0.00%	0.00%	0.00%	0.05%	2.29%	-
Water Systems Operations	Environmental Health & Safety Section	0.00%	4.58%	0.00%	0.00%	0.00%	0.04%	4.61%	-
Water Systems Operations	OSS, Fleet Services Unit	0.00%	2.22%	0.00%	0.00%	0.00%	0.00%	2.22%	-
Water Systems Operations	OSS, Power Support Unit	0.00%	1.90%	0.00%	0.00%	0.00%	0.75%	2.65%	-
Water Systems Operations	Office of the Manager, Operations & Planr	0.00%	0.13%	0.00%	0.00%	0.00%	0.00%	0.13%	-
Water Systems Operations	Security Team & Security Management	0.00%	0.74%	0.00%	0.00%	0.00%	0.01%	0.75%	-
Office of the Chief Financial Officer		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	-
Business Technology	Office of Manager	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	-
Engineering Services		0.00%	11.85%	0.00%	0.00%	0.00%	0.11%	11.96%	-
Business Technology	Administrative Services	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	-
Business Technology	Information Technology	0.00%	8.12%	0.00%	0.00%	0.00%	0.12%	8.24%	-
Water Resources Management	Resource Planning & Development	0.00%	1.48%	0.00%	0.00%	0.00%	0.00%	1.48%	-
Water Resources Management	Resource Implementation	0.00%	3.56%	0.00%	0.00%	0.00%	0.00%	3.56%	-
Water Resources Management	Office of the Group Manager	0.00%	1.14%	0.00%	0.00%	0.00%	0.00%	1.14%	-
Ethics Office		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	-
Real Property		0.00%	1.60%	0.00%	0.00%	0.00%	0.00%	1.60%	-
General Counsel		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	-
General Auditor		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	-
Total Departmental O&M	-	**0.00%**	**98.35%**	**0.00%**	**0.00%**	**0.00%**	**1.65%**	**100.00%**	**-**
									-
GENERAL DISTRICT REQUIREMENTS									-
									-
State Water Project									-
Supply - O&M		0.00%	7.79%	0.00%	0.00%	0.00%	0.00%	7.79%	-
Supply - Capital		0.00%	3.14%	0.00%	0.00%	0.00%	0.00%	3.14%	-
Power - O&M & Off-Aq Capital		0.00%	0.00%	0.00%	13.83%	0.00%	0.00%	13.83%	-
Power - Capital (less Off-Aq)		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	-
Transmission - Capital - Commodity, Demand, & Standby		1.66%	4.04%	1.79%	0.00%	0.00%	0.00%	7.48%	-
Transmission - O&M - Commodity only		0.00%	15.81%	0.00%	0.00%	0.00%	0.00%	15.81%	-
CA WaterFix - Capital		0.23%	0.57%	0.25%	0.00%	0.00%	0.00%	1.06%	-
Total State Water Project		**1.89%**	**31.34%**	**2.04%**	**13.83%**	**0.00%**	**0.00%**	**49.11%**	**-**
									-
Colorado River Aqueduct Power Costs		**0.00%**	**0.00%**	**0.00%**	**4.28%**	**0.00%**	**0.00%**	**4.28%**	**-**
									-
Supply Programs		**0.00%**	**4.40%**	**0.00%**	**0.00%**	**0.00%**	**0.00%**	**4.40%**	**-**
Demand Management Programs									-
Local Resources Program		0.00%	3.30%	0.00%	0.00%	0.00%	0.00%	3.30%	-
Future Supply Actions		0.00%	0.16%	0.00%	0.00%	0.00%	0.00%	0.16%	-
Conservation Credits Program		0.00%	3.48%	0.00%	0.00%	0.00%	0.00%	3.48%	-
Total Demand Management Programs		**0.00%**	**6.94%**	**0.00%**	**0.00%**	**0.00%**	**0.00%**	**6.94%**	**-**
Capital Financing Program									
Revenue Bond Debt Service net of BABs Interest Subsidy Payment		5.08%	11.21%	7.36%	0.00%	0.00%	0.22%	23.88%	-
G.O. Bond Debt Service		0.36%	0.48%	0.32%	0.00%	0.00%	0.00%	1.16%	-
Debt Administration & State Revolving Funds		0.11%	0.25%	0.16%	0.00%	0.00%	0.00%	0.54%	-
Bond Defeasance		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	-
PAYGO		1.97%	4.35%	2.85%	0.00%	0.00%	0.09%	9.25%	-
Total Capital Financing Program		**7.53%**	**16.29%**	**10.69%**	**0.00%**	**0.00%**	**0.31%**	**34.83%**	**-**
									-
									-
Other Operating Costs		**0.00%**	**0.00%**	**0.00%**	**0.00%**	**0.00%**	**0.00%**	**0.00%**	**-**
Operating Equipment		0.00%	0.42%	0.01%	0.00%	0.00%	0.01%	0.44%	-
OPEB\PERS Pre-Funding		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	-
Total Other Operating Costs		**0.00%**	**0.42%**	**0.01%**	**0.00%**	**0.00%**	**0.01%**	**0.44%**	**-**
									-
Increase/(Decrease) in Required Reserves		**0.00%**	**0.00%**	**0.00%**	**0.00%**	**0.00%**	**0.00%**	**0.00%**	**-**
									-
Total General District Requirements		**9.42%**	**59.40%**	**12.75%**	**18.12%**	**0.00%**	**0.32%**	**100.00%**	**-**
									-
REQUIREMENTS BEFORE OFFSETS:		**7.73%**	**66.36%**	**10.47%**	**14.88%**	**0.00%**	**0.56%**	**100.00%**	**-**

Functionalization of A&G Costs
Summary of Allocation Results before Inclusion of Administrative and General Costs
Fiscal Year Ending 2020

Functional Categories	Functional Costs Allocated for FY 2020	Allocation Categories (Costs Exclude Administrative and General)						Total Allocated Excluding A&G
		Fixed			Variable Commodity	Other	Hydro-Electric	
		Demand	Commodity	Standby				
Source of Supply								
CRA	$ 35,114,634.19	$ -	$ 35,114,634	$ -	$ -	$ -	$ -	$ 35,114,634
SWP	138,406,134	-	138,406,134	-	-	-	-	138,406,134
Other Supply	31,728,072	-	31,728,072	-	-	-	-	31,728,072
Subtotal: Source of Supply	**205,248,840**	-	205,248,840	-	-	-	-	**205,248,840**
Conveyance & Aqueduct								
CRA								
CRA Power	60,602,405	-	11,583,515	-	49,018,890	-	-	60,602,405
CRA All Other	59,833,796	3,554,841	52,430,592	3,848,364	-	-	-	59,833,796
SWP	-	-	-	-	-	-	-	-
SWP Power	164,965,889	-	-	-	164,965,889	-	-	164,965,889
SWP All Other	243,897,849	5,229,214	233,007,645	5,660,990	-	-	-	243,897,849
Other Conveyance & Aqueduct	73,585,229	13,862,332	43,912,097	15,810,800	-	-	-	73,585,229
Subtotal: Conveyance & Aqueduct	**602,885,169**	22,646,387	340,933,849	25,320,154	213,984,779	-	-	**602,885,169**
Storage								
Storage Costs Other Than Power								
Em 0	55,161,459	-	7,544,831	47,616,628	-	-	-	55,161,459
Dr 0	46,144,585	-	46,144,585	-	-	-	-	46,144,585
Re 0	18,365,189	4,623,268	9,545,103	4,196,819	-	-	-	18,365,189
Storage Power	(487,984)	-	-	-	(487,984)	-	-	(487,984)
Su 0	**119,183,250**	4,623,268	63,234,520	51,813,447	(487,984)	-	-	**119,183,250**
Water Quality								
CRA	-	-	-	-	-	-	-	-
SWP	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-
Su 0	-	-	-	-	-	-	-	-
Treatment								
Jensen	48,266,289	8,742,509	28,196,075	6,448,182	4,879,523	-	-	48,266,289
Weymouth	52,009,931	9,155,851	29,545,246	6,752,581	6,556,254	-	-	52,009,931
Diemer	57,755,310	10,826,731	31,663,740	7,986,083	7,278,756	-	-	57,755,310
Mills	26,821,338	2,825,420	19,061,812	2,080,333	2,853,773	-	-	26,821,338
Skinner	54,850,888	11,445,220	30,645,146	8,444,288	4,316,234	-	-	54,850,888
Subtotal: Treatment	**239,703,756**	42,995,730	139,112,019	31,711,467	25,884,540	-	-	**239,703,756**
Distribution	**179,100,586**	23,128,705	134,976,561	20,995,320	-	-	-	**179,100,586**
Demand Management	**97,476,206**	-	97,476,206	-	-	-	-	**97,476,206**
Hydro-Electric	**(5,956,327)**	-	-	-	-	-	(5,956,327)	**(5,956,327)**
Total Costs Allocated	**$ 1,437,641,481**	**$ 93,394,090**	**$ 980,981,995**	**$ 129,840,387**	**$ 239,381,336**	**$ -**	**$ (5,956,327)**	**$ 1,437,641,481**
A&G Costs to be Functionalized		$ 5,670,125	$ 153,750,025	$ 7,675,500.465	$ 10,908,180	$ -	$ 2,176,995	$ 180,180,825

Percentages Used for Functionalization of A&G Costs

Allocation Categories						
	Fixed		Variable	Other	Hydro-Electric	
Demand	Commodity	Standby	Commodity			Functional Categories
						Source of Supply
0.0%	3.6%	0.0%	0.0%	0.0%	0.0%	CRA
0.0%	14.1%	0.0%	0.0%	0.0%	0.0%	SWP
0.0%	3.2%	0.0%	0.0%	0.0%	0.0%	Other Supply
0.0%	20.9%	0.0%	0.0%	0.0%	0.0%	Subtotal: Source of Supply
						Conveyance & Aqueduct
						CRA
0.0%	1.2%	0.0%	20.5%	0.0%	0.0%	
3.8%	5.3%	3.0%	0.0%	0.0%	0.0%	
0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	SWP
0.0%	0.0%	0.0%	68.9%	0.0%	0.0%	
5.6%	23.8%	4.4%	0.0%	0.0%	0.0%	
14.8%	4.5%	12.2%	0.0%	0.0%	0.0%	Other Conveyance & Aqueduct
24.2%	34.8%	19.5%	89.4%	0.0%	0.0%	Subtotal: Conveyance & Aqueduc
						Storage
						Storage Costs Other Than Power
0.0%	0.8%	36.7%	0.0%	0.0%	0.0%	
0.0%	4.7%	0.0%	0.0%	0.0%	0.0%	
5.0%	1.0%	3.2%	0.0%	0.0%	0.0%	
0.0%	0.0%	0.0%	-0.2%	0.0%	0.0%	Storage Power
5.0%	6.4%	39.9%	-0.2%	0.0%	0.0%	Subtotal: Storage
						Water Quality
0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	CRA
0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	SWP
0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	Other
0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	Subtotal: Water Quality
						Treatment
9.4%	2.9%	5.0%	2.0%	0.0%	0.0%	Jensen
9.8%	3.0%	5.2%	2.7%	0.0%	0.0%	Weymouth
11.6%	3.2%	6.2%	3.0%	0.0%	0.0%	Diemer
3.0%	1.9%	1.6%	1.2%	0.0%	0.0%	Mills
12.3%	3.1%	6.5%	1.8%	0.0%	0.0%	Skinner
46.0%	14.2%	24.4%	10.8%	0.0%	0.0%	Subtotal: Treatment
24.8%	13.8%	16.2%	0.0%	0.0%	0.0%	**Distribution**
0.0%	9.9%	0.0%	0.0%	0.0%	0.0%	**Demand Management**
0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	**Hydro-Electric**
100.0%	**100.0%**	**100.0%**	**100.0%**	**0.0%**	**100.0%**	Total Costs Allocated

Administrative and General Costs Redistributed Among Functional Categories

Administrative and General Costs by Allocation Categories						Total A&G Costs Allocated	
	Fixed		Variable	Other	Hydro-Electric		
Demand	Commodity	Standby	Commodity				Functional Categories
							Source of Supply
$ -	$ 5,503,542	$ -	$ -	$ -	$ -	$ 5,503,542	CRA
-	21,692,495	-	-	-	-	21,692,495	SWP
-	4,972,764	-	-	-	-	4,972,764	Other Supply
-	32,168,801	-	-	-	-	32,168,801	Subtotal: Source of Supply
							Conveyance & Aqueduct
							CRA
-	1,815,493	-	2,233,703	-	-	4,049,196	
215,821	8,217,485	227,496	-	-	-	8,660,801	
-	-	-	-	-	-	-	SWP
-	-	-	7,517,201	-	-	7,517,201	
317,475	36,519,458	334,649	-	-	-	37,171,582	
841,607	6,882,375	934,654	-	-	-	8,658,636	Other Conveyance & Aqueduct
1,374,903	53,434,811	1,496,798	9,750,904	-	-	66,057,417	Subtotal: Conveyance & Aqueduc
							Storage
							Storage Costs Other Than Power
-	1,182,507	2,814,852	-	-	-	3,997,359	
-	7,232,275	-	-	-	-	7,232,275	
280,687	1,496,011	248,094	-	-	-	2,024,792	
-	-	-	(22,237)	-	-	(22,237)	Storage Power
280,687	9,910,792	3,062,946	(22,237)	-	-	13,232,189	Subtotal: Storage
							Water Quality
-	-	-	-	-	-	-	CRA
-	-	-	-	-	-	-	SWP
-	-	-	-	-	-	-	Other
-	-	-	-	-	-	-	Subtotal: Water Quality
							Treatment
530,774	4,419,191	381,184	222,351	-	-	5,553,500	Jensen
555,868	4,630,648	399,178	298,757	-	-	5,884,451	Weymouth
657,311	4,962,681	472,096	331,680	-	-	6,423,768	Diemer
171,536	2,987,572	122,979	130,041	-	-	3,412,128	Mills
694,860	4,803,036	499,183	196,683	-	-	6,193,763	Skinner
2,610,349	21,803,128	1,874,620	1,179,512	-	-	27,467,610	Subtotal: Treatment
1,404,186	21,154,975	1,241,136	-	-	-	23,800,297	**Distribution**
-	15,277,517	-	-	-	-	15,277,517	**Demand Management**
-	-	-	-	-	2,176,995	2,176,995	**Hydro-Electric**
$ 5,670,125	**$ 153,750,025**	**$ 7,675,500**	**$ 10,908,180**	**$ -**	**$ 2,176,995**	**$ 180,180,825**	Total Costs Allocated

Summary of Functionalization Percentages
Fiscal Year Ending 2020

	Source of Supply	Conveyance & Aqueduct	Storage	Water Quality	Treatment	Distribution	Demand Management	Hydro-Electric	Administrative & General	Total Allocated
Departmental Operations & Maintenance										
Office of General Manager	2%	65%	1%	0%	8%	6%	1%	0%	17%	100%
Water Systems Operations	6%	18%	2%	0%	40%	32%	0%	2%	1%	100%
Water Resources Management	59%	0%	0%	0%	0%	7%	33%	0%	0%	100%
Engineering Services	4%	22%	24%	0%	27%	18%	0%	1%	5%	100%
Business Technology	4%	9%	2%	0%	15%	12%	2%	1%	54%	100%
Real Property	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Human Resources	7%	15%	3%	0%	25%	21%	3%	1%	25%	100%
Office of the Chief Financial Officer										
External Affairs										
General Counsel										
General Auditor										
Ethics Office	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%
Total Departmental O&M	7%	15%	3%	0%	25%	21%	3%	1%	25%	100%
General District Requirements										
State Water Project	22%	78%	0%	0%	0%	0%	0%	0%	0%	100%
Colorado River Aqueduct Power Costs	0%	100%	0%	0%	0%	0%	0%	0%	0%	100%
Supply Programs	100%	0%	0%	0%	0%	0%	0%	0%	0%	100%
Demand Management Programs	0%	0%	0%	0%	0%	0%	100%	0%	0%	100%
Capital Financing Program	4%	21%	23%	0%	27%	20%	0%	1%	5%	100%
Blank	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Other Operating Costs	8%	16%	4%	0%	25%	22%	2%	1%	22%	100%
Increase/(Decrease) in Required Reserves	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%
Total General District Requirements	16%	48%	8%	0%	9%	7%	7%	0%	5%	100%
Revenue Offsets	22%	53%	1%	0%	4%	7%	1%	9%	2%	100%
Net Revenue Requirements	**13%**	**37%**	**7%**	**0%**	**15%**	**11%**	**6%**	**0%**	**11%**	**100%**

Cost Allocation Summary (by budget line item)
Fiscal Year Ending 2020

	Allocation Categories						Total
	Fixed			Variable	Other	Hydro-Electric	Allocated
	Demand	Commodity	Standby	Commodity			
Departmental Operations & Maintenance							
Office of General Manager	$ -	$ 17,633,740	$ -	$ -	$ -	$ 78,544	$ 17,712,284
Water Systems Operations	-	290,096,090	-	25,884,540	-	6,116,877	322,097,508
Water Resources Management	-	31,379,226	-	-	-	-	31,379,226
Engineering Services	-	48,982,567	-	-	-	461,806	49,444,373
Business Technology	-	40,491,816	-	-	-	608,353	41,100,169
Real Property	-	11,302,568	-	-	-	-	11,302,568
Human Resources	-	12,461,978	-	-	-	187,230	12,649,208
Office of the Chief Financial Officer	-	-	-	-	-	-	-
External Affairs	-	3,719,579	-	-	-	-	3,719,579
General Counsel	-	-	-	-	-	-	-
General Auditor	-	-	-	-	-	-	-
Ethics Office	-	-	-	-	-	-	-
	-	-	-	-	-	-	-
Total Departmental O&M *(including Administrative and General)*	-	456,067,564	-	25,884,540	-	7,452,810	489,404,914
General District Requirements							
State Water Project	24,537,435	407,181,783	26,563,492	175,399,443	-	-	633,682,154
Colorado River Aqueduct Power Costs	-	-	-	55,663,529	-	-	55,663,529
Supply Programs	-	57,184,067	-	-	-	-	57,184,067
Demand Management Programs	-	90,212,664	-	-	-	-	90,212,664
Capital Financing Program	97,801,569	211,622,132	138,926,788	-	-	4,084,896	452,435,386
Blank	-	-	-	-	-	-	-
Other Operating Costs	-	5,486,461	116,837	-	-	94,191	5,697,489
Increase/(Decrease) in Required Reserves	-	-	-	-	-	-	-
Total General District Requirements *(including Administrative and General)*	122,339,005	771,687,107	165,607,117	231,062,972	-	4,179,087	1,294,875,289
Revenue Offsets	(23,274,790)	(93,022,651)	(28,091,230)	(6,657,997)	-	(15,411,230)	(166,457,897)
Net Revenue Requirements	**$ 99,064,214.88**	**$ 1,134,732,019.91**	**$ 137,515,887.39**	**$ 250,289,515.72**	**$ -**	**$ (3,779,332.35)**	**$ 1,617,822,305.56**

Revenue Requirement by sub-function and budget line item
Fiscal Year Ending 2020

Fiscal Year Ending 2020	Supply			Conveyance & Aqueduct					Storage				Treatment	Distribution	Demand Mgt.	Hydro	Total
	CRA	SWP	Other	CRA power	CRA other	SWP power	SWP other	Other C&A	Emergency	Drought	Regulatory	Power					
Dept. Operations & Maintenance	10,345,663	11,754,358	12,767,080	4,947,717	43,057,379	-	18,265,930	8,166,126	7,544,831	6,462,875	2,794,634	-	123,812,664	100,876,005	12,490,852	5,458,045	368,744,157
General District Requirements																	
State Water Project																	-
Capital		38,745,558				(4,292,647)	105,534,100										139,987,010
O&M		96,219,185				170,923,193	195,419,867										462,562,245
Colorado River Aqueduct Power				52,947,173													52,947,173
Supply Programs	24,971,426	27,813,803	1,608,280														54,393,509
Demand Management															85,810,324		85,810,324
Capital Financing Program			17,463,168	6,548,688	16,677,325	-	6,358,889	66,037,320	48,062,122	40,052,208	15,713,117	-	120,440,628	89,117,712	-	3,885,555	430,356,732
Other Operating Costs	151,884	168,910	209,710	87,110	702,870	-	208,779	124,326	111,135	95,144	42,760	-	1,738,271	1,530,306	158,654	89,595	5,419,454
Revenue Offsets	(354,339)	(36,295,680)	(320,165)	(3,928,282)	(603,778)	(1,664,656)	(81,889,715)	(742,542)	(556,629)	(465,641)	(185,322)	(487,984)	(6,287,807)	(12,423,439)	(983,624)	(15,389,521)	(162,579,123)
Admin. & General	5,503,542	21,692,495	4,972,764	4,049,196	8,660,801	7,517,201	37,171,582	8,658,636	3,997,359	7,232,275	2,024,792	(22,237)	27,467,610	23,800,297	15,277,517	2,176,995	180,180,825
Net Revenue Requirement	**40,618,176**	**160,098,629**	**36,700,835**	**64,651,601**	**68,494,598**	**172,483,090**	**281,069,432**	**82,243,865**	**59,158,818**	**53,376,860**	**20,389,982**	**(510,220)**	**267,171,366**	**202,900,883**	**112,753,723**	**(3,779,332)**	**1,617,822,306**

Totals may not foot due to rounding

Fiscal Year Ending 2020	Supply			Conveyance & Aqueduct					Storage				Treatment	Distribution	Demand Mgt.	Hydro	Total
	CRA	SWP	Other	CRA power	CRA other	SWP power	SWP other	Other C&A	Emergency	Drought	Regulatory	Power					
Fixed Demand																	
engineering factors					22.1%		22.1%	22.1%			29.4%		36.4%	29.4%			
SWP Capital							23,340,019										23,340,019
Capital Financing					3,688,373		1,406,338	14,604,875			4,623,268		43,891,292	26,221,088			94,435,232
A&G less Offsets					82,289		(19,199,668)	99,065			280,687		1,714,787	(1,688,197)			(18,711,036)
Total fixed demand					3,770,661		5,546,689	14,703,940			4,903,955		45,606,079	24,532,891			99,064,215
Fixed Commodity																	
engineering factors	100%	100%	100%	100.0%	53.9%		53.9%	53.9%		100.0%	43.9%		33.4%	43.9%			
Capital Financing			17,463,168	6,548,688	8,996,031		3,430,092	35,621,645		40,052,208	6,893,031		40,267,240	39,094,162			198,366,265
SWP Capital		38,745,558					56,926,876										95,672,433
SWP O&M		96,219,185					195,419,867										291,639,052
Dept. O&M	10,345,663	11,754,358	12,767,080	4,947,717	43,057,379		18,265,930	8,166,126	7,544,831	6,462,875	2,794,634		96,098,746	100,876,005	12,490,852		335,572,195
Supply Programs	24,971,426	27,813,803	1,608,280														54,393,509
Demand Management															85,810,324		85,810,324
Other Operating Costs	151,884	168,910	209,710	87,110	702,870		208,779	124,326	111,135	95,144	42,760		1,738,271	1,530,306	158,654		5,329,860
A&G less Offsets	5,149,204	(14,603,185)	4,652,599	1,815,493	7,891,797		(4,724,440)	6,882,375	1,071,372	6,766,634	1,310,689		22,810,890	14,631,062	14,293,893		67,948,382
Total fixed commodity	40,618,176	160,098,629	36,700,835	13,399,008	60,648,077		269,527,103	50,794,472	8,727,338	53,376,860	11,041,114		160,915,147	156,131,536	112,753,723		1,134,732,020
Fixed Standby																	
engineering factors					23.9%		23.9%	23.9%	100.0%		26.7%		30.1%	26.7%			
SWP Capital							25,267,205										25,267,205
Capital Financing					3,992,922		1,522,459	15,810,800	48,062,122		4,196,819		36,282,096	23,802,462			133,669,679
A&G less Offsets					82,938		(20,794,025)	934,654	2,369,358		248,094		(2,696,009)	(1,566,006)			(21,420,997)
Total fixed standby					4,075,860	-	5,995,639	16,745,453	50,431,480		4,444,913		33,586,087	22,236,456			137,515,887
Variable Commodity																	
SWP Power						166,630,545											166,630,545
CRA Power				52,947,173													52,947,173
Variable Treatment													27,713,918				27,713,918
A&G less Offsets				(1,694,579)		5,852,544						(510,220)	(649,865)				2,997,880
Total variable commodity				51,252,593		172,483,090						(510,220)	27,064,053				250,289,516
Hydroelectric																9,433,194	9,433,194
A&G less Offsets																(13,212,526)	(13,212,526)
Total hydroelectric																(3,779,332)	(3,779,332)
Total Costs	40,618,176	160,098,629	36,700,835	64,651,601	68,494,598	172,483,090	281,069,432	82,243,865	59,158,818	53,376,860	20,389,982	(510,220)	267,171,366	202,900,883	112,753,723	(3,779,332)	1,617,822,306

Totals may not foot due to rounding