



The GENERAL MANAGER Monthly Report

**Activities for the Month of
June 2020**

This report identifies the actions and activities taking place during the month that support the objectives of the General Manager's Fiscal Year 2019/20 Strategic Priorities and the Core Business of the GM's work groups.

JULY 14, 2020



Diamond Valley Lake Sunset

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ADMINISTRATIVE SERVICES SECTION/CAO

CORE BUSINESS: Business Processes

Advance value-added business process improvements to increase effectiveness and efficiency while striving for innovation, flexibility, and integration with technology.

Objective #1 Use technology and best practices to implement innovative solutions in business processes to improve the customer's and end-user's experience.

Approximately 5.3 million paper documents have been converted to electronic documents. These documents include the engineering library, official personnel files, benefits files, deferred compensation files, the video media library, deeds, engineering substructures, environmental planning, and smaller collections of project files.

Objective #2 Develop, promote and support sustainable business practices.

The fourth quarter Employee Newsletter article, "My Warehouse, Your Warehouse," was distributed to Metropolitan employees alongside the Water Talk newsletter. This segment on Metropolitan's Warehouse featured topics that included:

- Operations amid COVID-19
- Success through perseverance
- The Warehouse's optimistic future



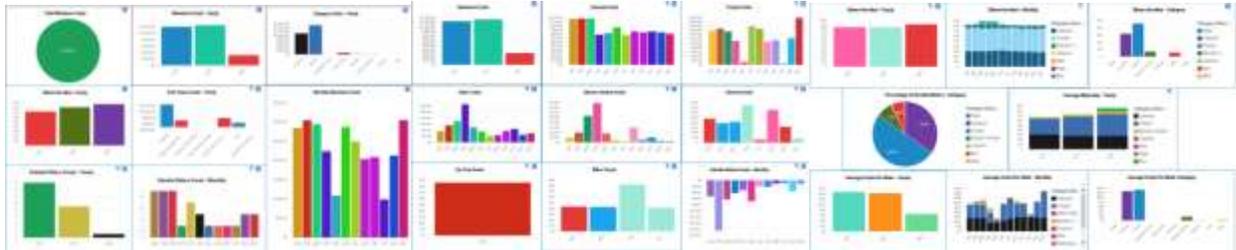
ADMINISTRATIVE SERVICES SECTION/CAO *continued*

ACCOMPLISHMENTS

Action(s):

Rideshare Dashboard

The Administrative Services Rideshare team collaborated with Information Technology (IT) to develop a dashboard for costs and other pertinent Rideshare Program information. IT finalized the development of Phase I of the dashboard, with the intent to develop additional content in the upcoming fiscal year.



Rideshare IntraMet

The Administrative Services Rideshare team collaborated with External Affairs to revamp the Rideshare IntraMet page with easy to read, updated information and access to important announcements. The revamped IntraMet page will assist the Rideshare Team with the design and development of the Rideshare Mobile Application used in SharePoint. The Mobile Application will allow employees who participate in the Rideshare Program to easily access program e-forms or pertinent Rideshare information from any mobile device.



METROPOLITAN WATER DISTRICT
Rideshare
PROGRAM

Administrative Services
US 5.347 x77920
Contact Rideshare
Tina Smith, Manager, ext. 77881

[Bicycle](#) [Carpool](#) [Electric Vehicle](#) [Transit](#) [Vanpool](#) [Walk](#) [FAQs](#)

Rideshare New Hire Video

The Administrative Services Rideshare team collaborated with Human Resources (HR) to develop a New Employee Orientation (NEO) video. HR will utilize the video during NEO to promote and brand the Rideshare Program. A link will be available on the IntraMet and Rideshare Mobile Application for employees to view.

Administrative Services Section-Wide Cross-Training Program

The Administrative Services Business Management Team collaborated with management to develop a section-wide Cross-Training Program designed to provide opportunities for professional development, career advancement, and skillset enhancement. The Cross-Training Program offers increased exposure in specialized work within the section, promotes increased skills, and furthers operational knowledge valuable to Metropolitan. The focus is on training, leadership development, and other efforts to support succession planning.

BAY-DELTA INITIATIVES

GM STRATEGIC PRIORITY #3: Ensure Imported Supply Reliability

Objective #1 Collaborate with the state and other state and federal water agencies in pursuing a new environmental review and planning process for the new Delta Conveyance Project.

Delta Conveyance

On June 15, Department of Water Resources (DWR) submitted a revised Department of the Army permit application pursuant to Section 404 of the Clean Water Act and Section 10 of the Rivers and Harbors Act (Section 404 permit application) to the U.S. Army Corps of Engineers (USACE) to request authorization for the proposed Delta Conveyance project activities in the waters of the United States. DWR is submitting the Section 404 permit application now in order to formally engage USACE in early coordination with DWR's California Environmental Quality Act process regarding environmental review under USACE's process for compliance with the National Environmental Policy Act, as well as Clean Water Act and Rivers and Harbors Act. The USACE permit process will not be concluded until National Environmental Policy Act and all other relevant environmental compliance efforts are complete.

The California DWR is reviewing comments received during the public scoping period for the proposed Delta Conveyance project, which started with the release of the Notice of Preparation on January 15, 2020. DWR is using the information received to formulate alternatives to the proposed project and identify methods to assess potential environmental impacts. DWR is drafting a Scoping Summary Report to document the comments received.

Joint Powers Authorities

To comply with public health recommendations regarding public meetings and social distancing efforts, the Delta Conveyance Design and Construction Authority's (DCA) regularly scheduled meeting on June 18 was held online via conference line and video. The DCA Board considered adoption of the budget for Fiscal Year 2020/21 and a resolution to adopt the Allowable Travel Expense Policy. The results of the Independent Technical Review Report of the Intakes were also presented. The June 18 Delta Conveyance Finance Authority Board Meeting was cancelled. The June 24 Stakeholder Engagement Committee (SEC) meeting will focus on soils transportation and balance, a follow-up on the SEC comments, and an update on the tribal outreach efforts by DWR.

Objective #2 Pursue environmental restoration project opportunities that meet the goals of California EcoRestore and identify land use opportunities for Metropolitan's Delta Islands.

Habitat Restoration

The Tule Red Tidal Restoration Project is a joint effort by the State and Federal Contractors Water Agency and DWR to open more than 400 acres of wetlands to daily tides in the southern Suisun Marsh to benefit native fish species. The project construction and levee breach were completed in fall 2019. In June, monitoring crews reported finding dozens of the state-listed juvenile longfin smelt inside and outside the 420-acre tidal wetland restoration site in Grizzly Bay. This is a promising start for the Tule Red project. The State Water Contractors Science Program is funding a study to continue to monitor and evaluate the effectiveness of the restoration.

BAY-DELTA INITIATIVES *continued*

CORE BUSINESS: Bay-Delta Solutions

Develop and pursue near- and long-term solutions that will ensure improved water quality and water supply reliability. Efforts include providing leadership for proposed Delta improvements, participating in on-going federal and state Bay-Delta regulatory processes, effectively managing studies and research activities that promote collaborative science, identifying opportunities for Delta Islands land management, and monitoring Delta levees performance to ensure long-term levees integrity.

Objective #2 NEAR-TERM DELTA ACTIONS—Develop and implement near-term measures, compatible with long-term Delta solutions to support regulatory processes that improve water quality and water supply reliability. Near-term actions include important efforts such as Regulatory, Planning, and Legislative Support; Science Development, and Emergency Preparedness Planning and Implementation.

Staff continued participating in the Collaborative Science and Adaptive Management Program (CSAMP), including participation on the Collaborative Adaptive Management Team (CAMT). The June 16 CAMT meeting included a brain-storming discussion of CSAMP priorities for 2021/22, a status update on the Interagency Ecological Program monitoring survey design review, and discussion of next steps for Delta Smelt Science Plan implementation. Staff participated in a survey that will inform the development of the Coordinated Salmonid Science Plan (CSSP) for the Sacramento-San Joaquin Delta, an initiative of the CAMT Salmonid Scoping Team. The objective of the CSSP is to use the best available information to integrate and logically prioritize applied science, monitoring, and management activities in the Delta region dedicated to salmonid conservation and recovery for all runs of Chinook salmon and steelhead. This work differs from past efforts in its focus on integrative synthesis and a commitment to distill the diverse list of previously proposed activities into a set of clear, actionable priorities for decision makers. The focus of the survey was to sort a list of activities that are to be prioritized. Preliminary results of the survey will be shared next month and included in a final report due at the end of the year.

Delta Flood Emergency Management Plan

In May, the Sacramento Joint Flood Operations Center conducted a flood emergency exercise addressing flood effects to San Joaquin River levees both within and outside the Delta region. Flood flows and response measures of the exercise provided informative data beneficial to development of the emergency freshwater pathway. The exercise included the use of a Flood Emergency Response Information Exchange (FERIX) online data sharing system developed by DWR to improve flood emergency preparedness, response, and recovery through a real-time GIS interface.

In April, DWR awarded a contract to Nucor Skyline for the acquisition of large pipe pile and sheet pile used in combination for closure of deep levee breaches for development of the freshwater pathway.

CHIEF FINANCIAL OFFICER

CFO STRATEGIC PRIORITY: Maintain Strong Financial Position.

Provide timely and discerning financial analyses, planning, and management to ensure that forecasted revenues are sufficient to meet planned expenses and provide a prudent level of reserves consistent with Board policy.

Objective #2 Manage risk to protect Metropolitan's assets against exposure to loss.

The Risk Management Unit completed 57 incident reports communicating instances of Metropolitan property damage, liability, workplace injuries, regulatory visits, and spills.

Risk Management completed 59 risk assessments on contracts, including professional service agreements, construction contracts, entry permits, special events, and film permits.

CORE PRIORITY: Business Continuity

Facilitate district-wide planning and training to prepare employees and managers to effectively carry out critical roles and recover mission essential functions thus ensuring continuity of operations and resiliency in the event of a disaster.

Objective #1 Manage the Business Continuity Management Program in accordance with Operating Policy A-06 policy.

- Continued to participate in the Business Transition Team planning effort, with a special focus on employees returning to work and communications. Plans have been completed and are under review by executive management.
- Participated in the Emergency Operations Center (EOC) briefings, sharing updates about business continuity and recovery.
- Drafted a memo summarizing the Fiscal Year 2019/2020 business plan impacts across Metropolitan due to COVID-19.
- Set up MetAlert access and notification templates for WSO Safety & Regulatory Services, so they can send Wildfire Alert Notifications in accordance with Cal/OSHA regulations. In addition, training was delivered to staff responsible for sending the notifications via Zoom web conferencing.
- Performed maintenance on the Fusion Risk Management software and scoped out areas in need of enhancements.

CORE BUSINESS: Financial Management

Manage Metropolitan's finances in an ethical and transparent manner and provide consistent, clear, and timely financial reporting. Update Metropolitan's capital financing plans and work with rating agencies and investors to communicate Metropolitan's financial needs, strategies, and capabilities thus ensuring Metropolitan has cost effective access to capital markets and the ability to finance ongoing future needs. In addition, actively manage Metropolitan's short-term investment portfolio to meet ongoing liquidity needs and changing economic environments.

Objective #1 Record and report the financial activities of Metropolitan in a timely, accurate, and transparent manner to the Board, executive management, member agencies, and the financial community.

- Water transactions for May 2020 totaled 116.8 thousand acre-feet (TAF), which was 41.1 TAF lower than the budget of 157.9 TAF. This translates to \$102.1 million in revenues for May 2020.
- Year-to-date water transactions through May 2020 were 1.26 million acre-feet (MAF), which was 305.4 TAF lower than the budget of 1.57 MAF. Year to date revenues through May 2020 were \$1.07 billion, which were \$294.7 million lower than the budget of \$1.36 billion.
- In May 2020, Accounts Payable processed approximately 3,000 vendor invoices for payment and took advantage of about \$10,400 in discounts.

CHIEF FINANCIAL OFFICER *continued*

Objective #4 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.

On May 20, 2020, Metropolitan remarketed three series of SIFMA Index Mode Bonds: \$80,000,000 of Water Revenue Bonds, 2017 Series C; \$95,630,000 of Water Revenue Refunding Bonds, 2017 Series D; and \$95,625,000 of Water Revenue Refunding Bonds, 2017 Series E. The three series of SIFMA Index Mode Bonds were remarketed at a rate equal to the weekly SIFMA Municipal Swap Index Rate, plus 25 basis points (0.25 percent). The Securities Industry and Financial Markets Association (SIFMA) Municipal Swap Index Rate is a 7-day high-grade market index comprised of weekly-reset, tax-exempt Variable Rate Demand Obligations (VRDOs). On May 20, 2020, the effective SIFMA Index Rate was 0.16 percent. As of June 16, the rate was 0.11 percent.

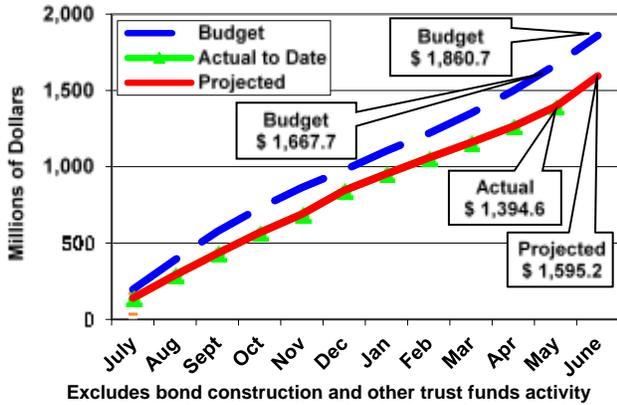
Objective #5 Prudently manage the investment of Metropolitan's funds in accordance with policy guidelines and liquidity considerations.

- As of May 31, 2020, the balance in Metropolitan's investment portfolio was \$1,168.4 million; for the month of April 2020, Metropolitan's portfolio managers executed 15 trades.
- During the month of May 2020, Treasury staff processed 1,105 disbursements by check, 25 disbursements by Automated Clearing House (ACH), and 64 disbursements by wire transfer. Treasury staff also processed 65 receipts by check, 39 receipts by ACH, and 49 receipts by incoming wires and bank transfers.

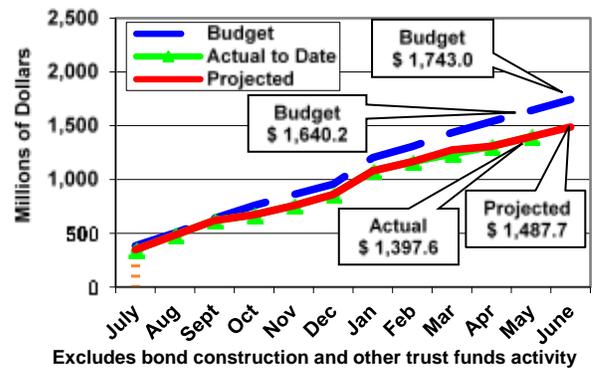
Financial Summary - Charts & Graphics	
Receipts	Expenditures
O&M Expenditures	Construction Costs
Cash and Investments	Summary of Financial Statistics

CHIEF FINANCIAL OFFICER *continued*

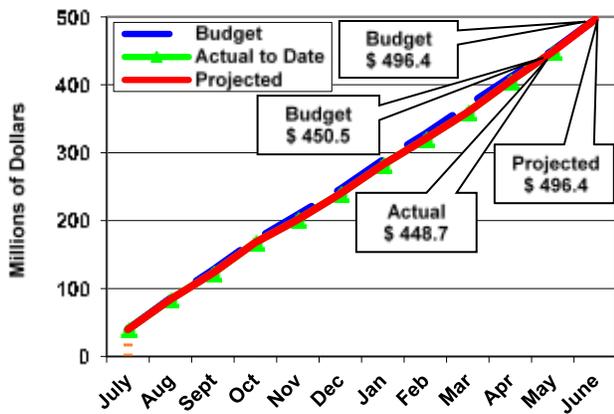
Revenues are expected to be \$265.5M under budget at year end primarily due to 269.9 TAF of lower water transactions.



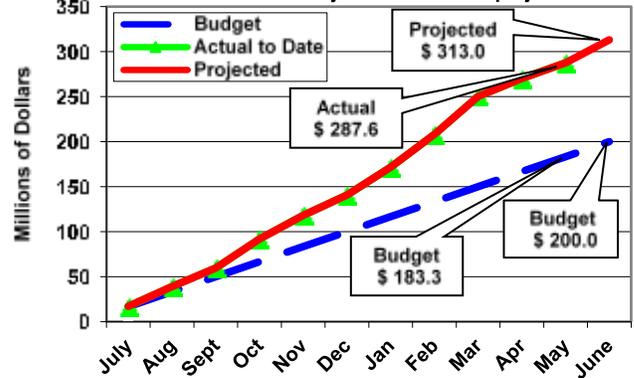
Expenses are expected to be \$255.3M under budget which includes \$90M lower Pay-Go spending as capital costs are financed by bond proceeds, \$71.6M lower SWP costs, \$47.5M lower debt service costs and \$38.6M lower demand management costs.



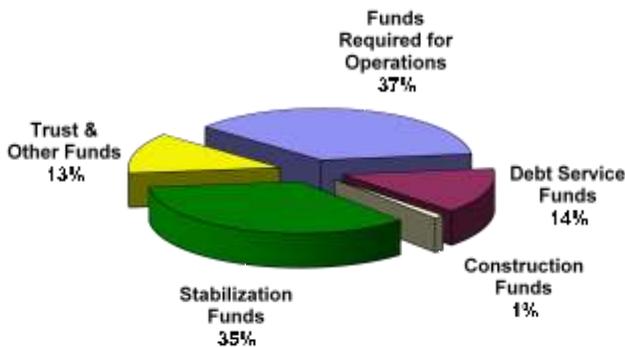
O&M expenses are expected to be on budget at year end.



Capital Program expenses are expected to be \$113.0M over budget at year end due to better than anticipated progress to complete design and award construction contracts for several major refurbishment projects.



Cash and Investments at Fair Value \$ 1,168.4 million



Summary Financial Statistics

	Target	Year-End Projected
Fixed Charge Coverage	≥ 1.20 x	1.52 x
Revenue Bond Coverage	> 2.00 x	1.55 x
Revenue Bond Debt / Equity Ratio	< 100.0%	57.6%

Senior Lien Revenue Bond Credit Ratings

	Target	Current
- Moody's Investors Service	Aa2	Aa1
- Fitch Ratings	AA	AA+
- Standard & Poor's	AA	AAA

ENGINEERING SERVICES

GM STRATEGIC PRIORITY #1: Enhance Infrastructure Safety, Security, and Resiliency

Objective #1: Manage and execute Board-authorized projects within the Capital Investment Plan (CIP) to ensure the reliable delivery of water to Metropolitan's member agencies.

Distribution System Reliability Program

This program maintains reliable water deliveries through specific repair and rehabilitation projects on Metropolitan's pipelines, reservoirs, and control structures. Recent activities include the following:

- **Wadsworth Pumping Plant Control and Electrical Protection Upgrade** – This project replaces the obsolete turbine/pumping unit controls and electrical protection systems for the Wadsworth Pumping Plant and Pressure Control Structure. Installation of an uninterruptible power supply (UPS) and preparation of documentation materials is underway. Overall, the project is 98 percent complete and is scheduled to be complete by end of November 2020.
- **Yorba Linda Hydroelectric Power Plant Completion Project** – This project fabricates and installs an enclosure to provide rain protection for the plant generator. Construction of the enclosure is complete. Installation of the interior electrical lighting and exhaust fans by Metropolitan staff is scheduled to be complete by December 2020.
- **Orange County Region Service Center** – This project constructs a new 12,000 sq. ft. permanent service center for the Orange County operating region. Construction is 95 percent complete and is scheduled to be complete by July 2020.
- **Greg Avenue Pump Station Rehabilitation** – This project improves reliability of the Greg Avenue Pump Station by replacing the existing pumps and by upgrading the electrical and control systems. Construction is 50 percent complete and is scheduled to be complete by January 2021.
- **Casa Loma Siphon Upgrades** – This project replaces Casa Loma Siphon Barrel No. 1 at a fault crossing utilizing earthquake resistant ductile iron pipe. Pipe fabrication is 30 percent complete and is scheduled to be complete by November 2020. Final design of the construction package to install the pipe is 96 percent complete and is scheduled to be complete by July 2020.
- **Service Connection A-06 Meter Replacement** – This project rehabilitates a service connection on the East Orange County Feeder No. 2. Construction is 90 percent complete and is scheduled to be complete by July 2020.
- **Lake Perris Bypass Pipeline Relining** – This project will reline approximately 1,500 feet of the Lake Perris Bypass Pipeline. Final design is complete. Board award of a construction contract is scheduled for July 2020.



Yorba Linda Hydroelectric Power Plant Completion Project – Completed generator enclosure

Prestressed Concrete Cylinder Pipe (PCCP) Reliability Program

This program was established to enhance the reliability of Metropolitan’s water distribution system and to reduce the risk of costly emergency repairs of PCCP. The priority pipelines included in the program are the Second Lower Feeder, Sepulveda Feeder, Calabasas Feeder, Rialto Pipeline, and the Allen-McColloch Pipeline. Recent activities include the following:

- **Second Lower Feeder PCCP Rehabilitation** – This project rehabilitates the remaining 28 miles of PCCP segments within the Second Lower Feeder. Long-term rehabilitation of the Second Lower Feeder will be staged over a period of eight to ten years, with multiple construction and procurement contracts. A total of 8.4 miles of PCCP on the Second Lower Feeder has been relined. Currently, construction of the 4.5-mile-long Reach 2 is 90 percent complete and is scheduled to be complete by August 2020. Final design of Reach 3 is 90 percent complete and is scheduled to be complete by November 2020. Final design of a portion of Reach 8 is complete and a board action for construction is scheduled for June 2020.
- **Second Lower Feeder Isolation Valve Procurement** – This contract provides 13 conical plug isolation valves for the Second Lower Feeder rehabilitation. These valves range in diameter from 48 inches to 54 inches and provide primary isolation for maintenance activities, inspections, and repairs required to maintain reliable water.

deliveries with Metropolitan's distribution system. Fabrication of the first three 48-inch conical plug valves is 65 percent complete, and the valves are scheduled to be delivered by December 2020.

Colorado River Aqueduct (CRA) Reliability Program

This program maintains the reliability of Metropolitan's CRA conveyance system. Recent activities include the following:

- **CRA Discharge Isolation Couplings** – This project fabricates and installs 44 isolation coupling assemblies at the five Colorado River Aqueduct pumping plants. Approximately one half of the couplings have been installed. Construction is 50 percent complete and is scheduled to be complete by June 2021.
- **CRA Overhead Cranes** – This project consists of replacing five overhead bridge cranes and retrofitting the support structures within the pump bays located at all five of Metropolitan's Colorado River Aqueduct Pumping Plants. Final design is complete and a board action for award of construction contract is scheduled for August 2020.
- **CRA Radial Gate Replacement** – This project replaces eight deteriorated radial gates along the aqueduct in two stages. Construction of Stage 1 to replace a radial gate at Eagle Mountain Pumping Plant is complete. In August 2019, Metropolitan's Board awarded a construction contract for the Stage 2 work, which includes replacement of seven radial gates at seven facilities along the CRA. Construction of Stage 2 is 38 percent complete and is scheduled to be complete by March 2021.
- **CRA Domestic Water Treatment System** – This project replaces the membrane filtration system and associated water treatment equipment at the five Colorado River Aqueduct pumping plants. The Board awarded a procurement contract for the water treatment equipment in April 2020, a notice to proceed was issued to the contractor in May 2020. Design of the installation contract package is 50 percent complete and is scheduled to be complete by January 2021.
- **CRA Gene Wash and Copper Basin Discharge Valve Rehabilitation** – This project replaces the existing deteriorated cone valves at Copper Basin and Gene Wash Reservoirs on the Colorado River Aqueduct. The project will be completed in two stages. Stage 1 will replace the valve at Gene Wash Reservoir, while Stage 2 will replace the valve at Copper Basin Reservoir. Construction of Stage 1 is four percent complete and is scheduled to be complete by July 2021. Final design for Stage 2 is 35 percent complete and is scheduled to be complete by October 2021.

Treatment Plant Reliability Program

This program was initiated to maintain reliability and improve the operating efficiency of Metropolitan's water treatment plants through specific improvement projects. Recent activities include the following:

Weymouth Plant

- **Weymouth Chlorination System Upgrades** – This project expands the existing chlorine building to house additional chlorination feed equipment and instrumentation at the Weymouth plant. Construction was suspended for six weeks due to COVID-19 and resumed in May. The contractor's work is 77 percent complete. The anticipated project completion date is currently being reassessed.

Diemer Plant

- **West Basin and Filter Building Rehabilitation** – This project rehabilitates the west flocculation/sedimentation basins and filter building at the Diemer plant, including replacement of treatment

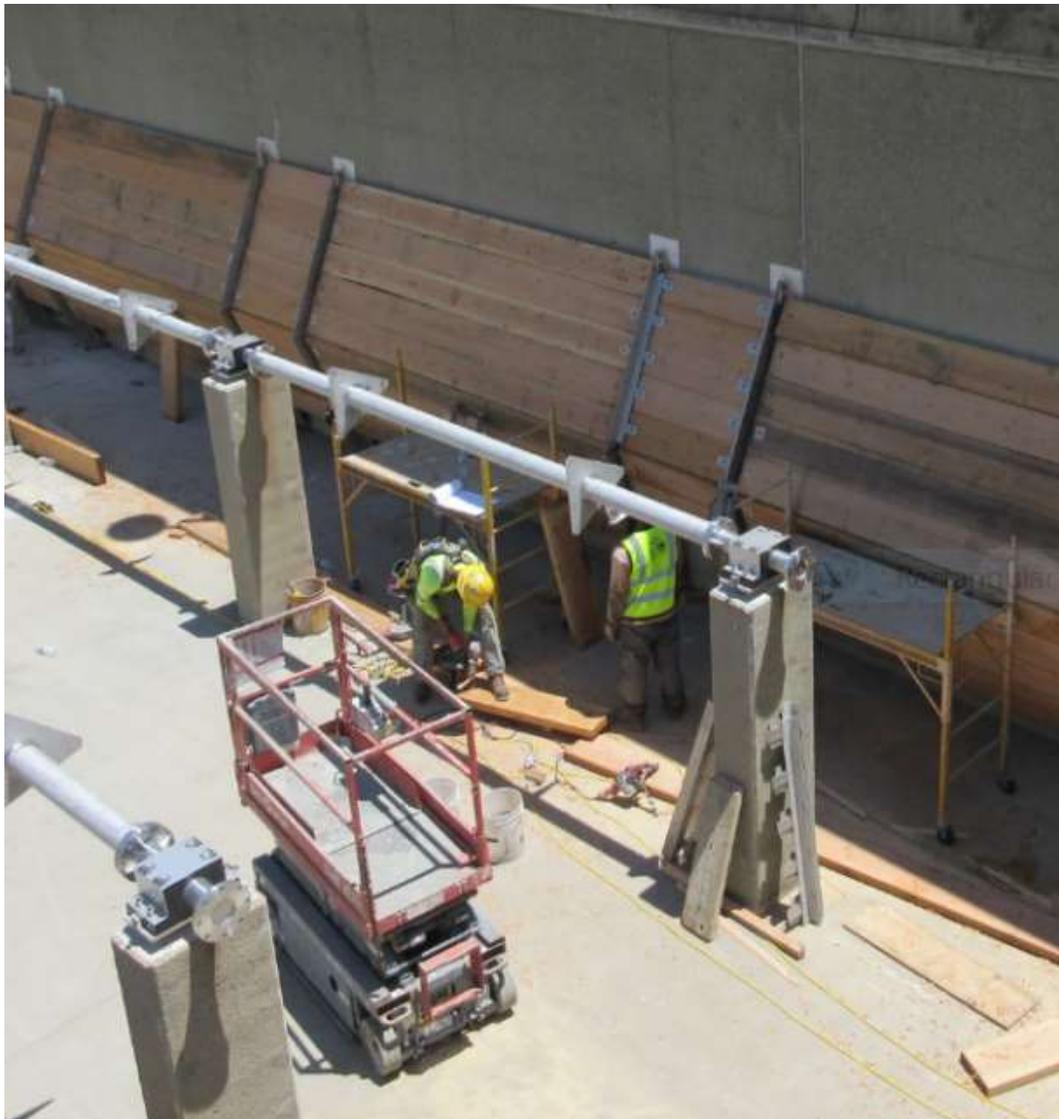
ENGINEERING SERVICES *continued*

basin equipment and filter valves, abatement of hazardous materials, and seismic strengthening of the filter building. Construction was suspended for six weeks due to COVID-19 and restarted in May. Construction is 68 percent complete and is scheduled to be complete by April 2021.

- **Diemer Water Sampling System Improvements** – This project upgrades the existing Diemer water sampling system, comprised of 13 sample locations. At each location, the sample pump, piping, and field analyzers will be upgraded. Construction is 68 percent complete by Metropolitan staff. Due to the COVID-19 pandemic, staff will reassess the anticipated completion date for this project.

Jensen Plant

- **Jensen Module 2 and 3 Flocculator Rehabilitation** – This project rehabilitates the Modules 2 and 3 flocculators at the Jensen plant. Construction is 25 percent complete and is scheduled to be complete by March 2021.



Jensen Module 2 and 3 Flocculator Rehabilitation – Installing inlet baffle boards in Basin 12

System Reliability Program

The System Reliability Program consists of projects to improve or modify facilities located throughout Metropolitan's service area in order to utilize new processes and/or technologies and improve facility safety and overall reliability. Recent activities include the following:

- **Headquarters Building Improvements** – This project provides seismic upgrades and other needed improvements to Metropolitan's Union Station Headquarters Building. Construction is 62 percent complete. Staff is working with the contractor to advance additional work while the building remains lightly occupied. Construction is anticipated to be complete ahead of the original schedule of July 2022.
- **Board and Committee Room Upgrade** – This project upgrades the audio/visual (A/V) and lighting systems at Metropolitan's Headquarters building. Engineering Services is working collaboratively with IT and Facilities on this technology/construction project to replace the end-of-life A/V equipment in the board and committee rooms. Design is 99 percent complete. The procurement contract award is planned for July and the construction contract award is planned for August.
- **Headquarter Physical Security Upgrades** – The comprehensive security upgrades for Metropolitan's Union Station Headquarters have been prioritized and staged to minimize rework and impacts to day-to-day operations within the building. The Stage 1 work, currently in construction, enhances the security of perimeter windows and doors. Stage 2 improvements will provide security system upgrades inside the building with entry validation, surveillance, and intrusion protection, and additional security features in the board room, executive dining lounge, and security control room. Stage 3 improvements will provide security system upgrades outside the building with bollards and gates. Construction of Stage 1 is 90 percent complete and is scheduled to be complete by July 2020. Design of Stage 2 is complete and an August board action is planned to award a construction contract.
- **Headquarter Building Fire Alarm/ Smoke Control System Upgrades** – This project upgrades Metropolitan's Union Station Headquarters fire life safety systems, which includes replacement of the fire detection and alarm system and HVAC system improvements for smoke control. Design is complete and an August 2020 board action is planned to award a construction contract.

ENGINEERING SERVICES *continued*



Headquarters Building Improvements – Installation of security enhanced storefront windows

ENVIRONMENTAL PLANNING SECTION/CAO

GM STRATEGIC PRIORITY #1: Enhance Infrastructure Safety, Security, and Resiliency

Objective #1 Provide planning, CEQA/NEPA (National Environmental Policy Act), and regulatory permitting support for enhancement of infrastructure, safety, security, and resiliency.

CEQA/NEPA

- Prepared responses to comments and Final Program Environmental Impact Report (EIR) for the Western San Bernardino Right-of-Way and Infrastructure Protection Program (RWIPP).
- Completed technical studies for the Colorado River Aqueduct (CRA) Conduit Structural Protection Project Mitigated Negative Declaration (MND).

Regulatory Permitting

- Received the U.S. Fish and Wildlife Service Biological Opinion for the Orange County RWIPP in compliance with Section 7 of the Endangered Species Act.
- Prepared project completion reports in compliance with regulatory permits for the Whitewater Erosion Protection Structure Rehabilitation.
- Prepared third amendment for two-year extension of U.S. Army Corps of Engineers Water Resources Development Act (WRDA) Memorandum of Agreement to September 2022.

GM STRATEGIC PRIORITY #3: Ensure Imported Supply Reliability

Objective #1 Provide environmental planning, technical, and regulatory services to protect water supplies.

- Participated in value engineering workshop with DWR staff for the Lake Perris Seepage Recovery Project.

GM STRATEGIC PRIORITY #4: Maximize Local Resources

Objective #1 Provide planning, CEQA/NEPA, and regulatory permitting support for supplemental water supplies and water conservation measures.

- Completed CEQA analysis in support of Local Resources Program (LRP) funding for the City of Escondido's Membrane Filtration Reverse Osmosis Facility Project and Padre Dam Municipal Water District's East County Advanced Water Purification Project.
- Reviewed Feasibility-Level Design Report for Backbone Alignment and coordinated with Project Management regarding Program EIR data needs, budget, and schedule for the Regional Recycled Water Program.

GM STRATEGIC PRIORITY #5: Promote Environmental Stewardship and Sustainability

Objective #1 Continue to actively manage Metropolitan's conservation lands through cooperative relationships with public agencies and non-governmental conservation organizations.

Lake Mathews Multiple Species Reserve

- Conducted habitat maintenance mowing of Stephens' kangaroo rat habitat.

Southwestern Riverside County Multi-Species Reserve

- Initiated a two-year extension of agreement with Riverside County Regional Parks and Open-Space District for reserve management services.
- Coordinated with WSO and the Reserve Manager regarding routine maintenance of the Lake Skinner Equestrian Trail in preparation for the trail's opening in late spring.
- Participated in Reserve Management Committee (RMC) meeting on June 3, 2020.
- Coordinated with external agencies and Metropolitan staff regarding prescribed burn of approximately 146 acres (see photos) to enhance native habitat.
- Reserve management activities included mowing of land management units; conducting weed abatement; planting of Tocalota Creek restoration site; collecting native grass seed for future restoration efforts; and trapping and management of brown-headed cowbirds.



Prescribed burn at Southwest Riverside County Multi-Species Reserve

Objective #3 Integrate principles and practices of resource and habitat protection into capital projects, operations and maintenance activities, and management and maintenance of Metropolitan's lands.

- Performed surveys for nesting birds and provided guidance on state and federal laws to protect active bird nests during construction of the West Basin and Filter Rehabilitation Project at Diemer Treatment Plant.
- Collected turtles from the Duck Pond at Palos Verdes Reservoir and brought them to a pet animal donation facility in an effort to stop the spread of invasive red-eared slider turtles.



Removal and relocation of red-eared slider turtles at Palos Verdes Reservoir

Objective #7 Continue cultural resources planning and education to protect and preserve the historic legacy of Metropolitan.

- Drafted Tribal Cultural Resources Treatment Plan in compliance with mitigation measures for the CRA Siphon Scour Protection Project MND.
- Prepared Tribal Cultural Resource consultation letters in support of the CAP Program EIR.

GM STRATEGIC PRIORITY #6: Foster Leadership and Strengthen Workforce Capabilities

Objective #1 Emphasize employee development, recruitment, knowledge capture, cross-training, management training and succession planning.

CORE BUSINESS: Business Processes

Objective #1 Provide timely and professional planning services and CEQA and regulatory support to Engineering Services, Water System Operations, Water Resource Management, External Affairs, and Real Property Groups.

CEQA Clearances

- Provided environmental planning clearances for 14 WSO projects, 3 Real Property actions, and 16 board letters.

Engineering Services

- Supported Dam Safety maintenance projects by conducting surveys and providing CEQA/regulatory clearance.
- Reviewed and edited the ESG Design Deliverables and Checklist with the Technical Control Team to promote effective environmental coordination and support to Engineering Services.
- Updated specification language for Sections 01065 (Environmental Requirements) and 01565 (Noise Control) and coordinated with other technical experts to ensure Contractors comply with current state and federal regulations during construction.
- Continued environmental support to PCCP Rehabilitation Program Second Lower Feeder and Sepulveda Feeder.
- Conducted design review and environmental specifications preparation/review for the following projects: Weymouth Plant Hazardous Waste Storage Preliminary Design Report, Perris Valley Pipeline, DVL Wave Attenuator, Eagle Rock Lateral (LA-17), Orange County Feeder Blowoff Structure Rehabilitation, San Jacinto Valley Raw Water Conveyance Facilities (EM-25 Service Connection), Lake Mathews Wastewater Replacement, Mile 12 Monitoring Facility Flow Monitoring Station Upgrades, Eagle Mountain Water Distribution System Replacement, CRA Freda Siphon Repairs, Gene Communication System Reliability Improvement Project, and Santa Monica Feeder-Hollywood Tunnel Project.

Water Systems Operations

- Prepared environmental compliance documentation for submittal to AQMD for operation of portable abrasive blasters at Hinds and Eagle pump plants.
- Completed environmental clearance and coordinated environmental surveys and monitoring efforts for the Fan Hill and East Deception CRA patrol roads maintenance, East Portal Cabazon Erosion Repair, Lake Mathews Dike 1 Erosion Repair, Dos Ninos vegetation maintenance project, Yorba Linda Feeder patrol road maintenance, Foothill Feeder five-year maintenance, and Lake Mathews dam erosion control.

Construction/Mitigation Monitoring

Continued construction and mitigation monitoring for Weymouth Plant Chlorine System and Water Quality Instrumentation Upgrades, Orange County C&D Building Construction, Diemer Filter Basins, Gene Wash Reservoir Discharge Valve Replacement, CRA V-Dike Repairs, and CRA Pumping Plants Overhead Crane Replacement projects.

Real Property

- Initiated environmental support activities for the CRA Housing Fencing Replacement Project
- Conducted kick-off meeting and site visit for the San Diego Canal Trail project.

External Review

- Reviewed 13 CEQA notices for external projects and prepared comment letters for those that may affect Metropolitan facilities and/or operations.

External Affairs

- Continued to monitor status of pending state legislation and potential upcoming federal legislation.
- Provided legislative analysis on AB 1657, AB 1839, AB 2441, AB 2621, AB 2800, AB 2954, AB 3030, and SB 1296.

EXTERNAL AFFAIRS

EXTERNAL AFFAIRS PRIORITY: Advance Initiatives to Educate and Inform the Public, Elected Officials and Stakeholders on Water Supply Conditions and Important Water Management Decisions.

External Affairs will develop and maintain relationships with the public, legislative leaders, government officials, non-governmental organizations, and other stakeholders, and implement effective and diverse communication and outreach strategies on the value of water, current water supply conditions, innovative strategies to address current and future challenges, and the importance of Metropolitan actions and leadership to promote stewardship, planning and investments to benefit the region.

Objective #1 Recognizing there is a new normal that is directly impacting California water conditions driven, in part, by more volatile supply conditions due to climate change, and informing key stakeholders, news media, businesses and the public on the need for sustained conservation actions, support for new water supply projects and continued investment in imported water systems to maintain water supply reliability and protect the environment.

Comments made by Chairwoman Gray on the national movement for greater racial justice were posted on social media and Metropolitan's website, generating positive feedback and more than 3,600 views on Twitter and Facebook. The comments were part of a broader communication plan to highlight issues of equity and Metropolitan's commitment to leadership practices and values that promote diversity, inclusion, and tolerance. (see image below)



"MAKE NO MISTAKE, BLACK LIVES MATTER; ALL LIVES SHOULD MATTER! BUILDING A MORE EQUAL, INCLUSIVE AND JUST NATION CANNOT BE DONE BY ONE GROUP, RACE OR GENERATION ALONE. WITHIN THE METROPOLITAN COMMUNITY, WE ARE COMMITTED TO THE CALL FOR EQUALITY AND WELCOME OUR MEMBER AGENCIES AND CITIES TO JOIN US. THE CHALLENGING PATH AHEAD WILL TAKE HARD WORK FROM EVERYONE WHO CONDEMNS THESE INJUSTICES TO MAKE THIS A NATION THAT IS TOLERANT, JUST, ACCESSIBLE, KIND AND EQUAL TO ALL."

- METROPOLITAN CHAIRWOMAN
GLORIA D. GRAY

EXTERNAL AFFAIRS *continued*

CORE BUSINESS: Legislative, Communications, Community Relations, Public and Business Outreach

Engage the public, labor, business community, agriculture, government leaders, non-governmental organizations and other stakeholders in California's water issues, communicating Metropolitan's interests and Board-adopted policies through federal and state legislative strategies, multimedia and multi-cultural communications, and educational and other outreach programs. Inform the public about Metropolitan projects, facilities, operations and initiatives to gather input and support, foster competitive and diverse business opportunities, and facilitate innovation and technology sharing.

Objective #1 LEGISLATIVE SERVICES - Develop and implement local, state and federal legislative and regulatory strategies consistent with Board-adopted policies. Promote interaction between Metropolitan leadership and various stakeholders, including elected officials, to facilitate support for and garner greater understanding of water policy issues.

Federal

As Congressional leadership considers the next round of COVID-19 relief bills, Metropolitan staff is working to secure federal assistance for water agencies. Metropolitan, working with member agencies, developed a list of 400 'ready-to-go' water infrastructure projects totaling \$8 billion. These projects are located in every congressional district in Southern California and could be completed within two years to drive investment, help restart the economy, and create jobs.

Metropolitan staff is working with the California Special District Association to seek financial assistance for special districts experiencing revenue loss due to COVID-19. HR 7073, the Special Districts Provide Essential Services Act is authored by Congressman Garamendi (D-Walnut Grove) and co-sponsored by Representatives Lowenthal (D-Long Beach), Napolitano (D-El Monte), Rouda (D-Laguna Beach), and Takano (D-Riverside).

State

Since returning in mid-May from an extended recess due to COVID-19, the Legislature has held policy committee hearings on a compressed schedule. Metropolitan staff are monitoring priority bills, including measures on drinking water quality, consolidations, and regulatory oversight for emergency backup generators during public safety power shutoffs. These bills will be taken up when the Legislature returns from summer recess in mid-July.

A letter was sent in support of AB 3256 (E. Garcia, D-Coachella), an economic recovery and climate resilience bond, with suggested amendments. Staff is also monitoring SB 625 (Bradford, D-Gardena) that would put Central Basin Municipal Water District in receivership.

On June 15, the Legislature passed and sent to Governor Newsom SB 74 (Mitchell, D-Los Angeles), the California State Budget Act of 2020, and three budget trailer bills. Budget negotiations have focused on funding for schools, health care, and other safety net programs if the federal government does not come through with more relief funding.

Local

Metropolitan staff participated in the Valley Industry and Commerce Association virtual Advocacy Day to discuss business issues, including AB 3256, the economic recovery and climate resilience bond proposal. The delegation met with Secretary of State Padilla; Treasurer Ma; Senate President Pro Tem Atkins (D-San Diego); Senators Allen (D-Redondo Beach), Leyva (D-San Bernardino) and Weiner (D-San Francisco); and Assembly members Chen (R-Walnut), Friedman (D-Burbank), Lackey (R-Palmdale), Nielson (D-Chino), Quirk-Silva (D-Fullerton), L. Rivas (D-Arleta), R. Rivas (D-Hollister); and Salas (D-Bakersfield). (June 10)

Metropolitan staff attended a town hall meeting on The Future of Race Relations. Representatives from University of California Irvine, the Orange County Black Chamber of Commerce, 100 Black Men of Orange County, and the Young Democratic Club gave presentations. (June 11)

EXTERNAL AFFAIRS *continued*

Metropolitan staff attended a town hall meeting hosted by Congressman Levin (D-San Clemente) providing a COVID- 19 update, the HEROES Act, and the social injustice behind the killing of George Floyd. (June 15)

Objective #2 MEDIA AND COMMUNICATIONS - Communicate Metropolitan’s policy priorities, actions and initiatives through various means to raise public awareness, enhance Metropolitan’s visibility and cultivate support for Metropolitan priorities. Update and develop new communications tools, materials and platforms to ensure Metropolitan information reaches diverse audiences throughout its service area in a cost-effective, timely, relevant manner that reflects current communications trends.

Media Interviews

- Arranged interview between David Abel of The Planning Report and GM Kightlinger regarding Southern California water reliability.
- Coordinated comments from Bay Delta Initiatives Engineer Ryan to Estuary Magazine reporter Emily Underwood for story on carbon credits in the Sacramento-San Joaquin Delta.
- Arranged interview with AGM Patterson and reporter Natalie Kilmer, KPFA Radio, on a story about California water and the future of Delta conveyance.

Press Releases/Statements

- Issued a press release on Glendale City Councilmember Kassakhian joining Metropolitan’s Board of Directors.

Websites

- Developed signage, memos, and rebuilt Intranet site to communicate return-to-work protocols and policies – working at the direction of the business transition team.
- Updated Climate Action Plan web page to reflect informational presentation at June board meeting.
- Conceptualized, created, developed, and rolled out a new homepage messaging and social media posting series called “We Do More than Deliver Water.” **(see image below)**
- Generated more than 56,000 page views on bewaterwise.com, with posts of California native plans, garden assets, and the turf replacement program among the most popular destinations.



EXTERNAL AFFAIRS *continued*

Social Media

- Launched new postings and resources on Metropolitan’s primary website, mwdh2o.com, including the 2020 Water Quality Report in English and Spanish, and Integrated Water Resources Plan workshop updates.
- Received nearly one million impressions on Facebook, with the animal guzzlers slideshow generating the best organic engagement.
- Reached more than 300,000 users through Garden Wellness creative assets on various social media platforms.
- Expanded the reach of COVID-19 assets, including a new employee series and the completion of the METitiation video series.
- Promoted the IRP public workshops on social media and tweets receiving nearly 9,000 impressions and, for the first time, posted a blog on GM Kightlinger’s individual LinkedIn account, which was seen by more than 1,000 users.
- Metropolitan celebrated Father’s Day with a new California Friendly® gardening-themed social media GIF. The post honors Father’s Day traditions like handmade cards and encourages a new gardening tradition. Member agencies received assets to post and share on their respective social media accounts. (see image below)



Objective #3 PUBLIC OUTREACH AND MEMBER SERVICES - Conduct public outreach to increase awareness and input on Metropolitan projects and initiatives and ensure impacted communities are aware of Metropolitan construction and maintenance activities. Enhance public awareness of Metropolitan’s systems and facilities and the role they play in regional supply reliability while protecting environmental resources. Serve as liaison to Metropolitan’s member agencies and facilitate their engagement with Metropolitan.

Metropolitan staff provided the first virtual tour of the Regional Recycled Water Advanced Purification Center. More than 100 participants joined, representing a diverse audience ranging from school-age children to technical experts. (June 4)

Staff presented on outreach efforts for the Regional Recycled Water Program at the WateReuse California Virtual Conference. (June 24-25)

EXTERNAL AFFAIRS *continued*

Construction Project Updates

- Distributed approximately 1,000 notices in Placentia to remind residents of the upcoming urgent relining construction of the Second Lower Feeder – Reach 8. (June 12)
- Notified residences near the Palos Verdes Reservoir about upcoming reservoir draining and flushing activities. (June 22)

Objective #4 EDUCATION AND COMMUNITY RELATIONS - Facilitate public engagement in and understanding of water resource issues through community relations activities and education projects. Build awareness of and appreciation among Southern California for the value of clean, reliable water supplies and the importance of good water stewardship.

General Education

In response to statewide school closures, Metropolitan increased the frequency of online meetings with teachers, students, partners, and member agencies. Bi-weekly webinars with member agency education coordinators this month provided information on Solar Cup activities and the digital Calendar Art program, as well as an overview of water education activities by the Department of Water Resources and online teaching strategies.

An expanded offering of Metropolitan's curriculum and customized webinars is being promoted through social media. Online resources reached more than 3,400 teachers, students, and parents this month.

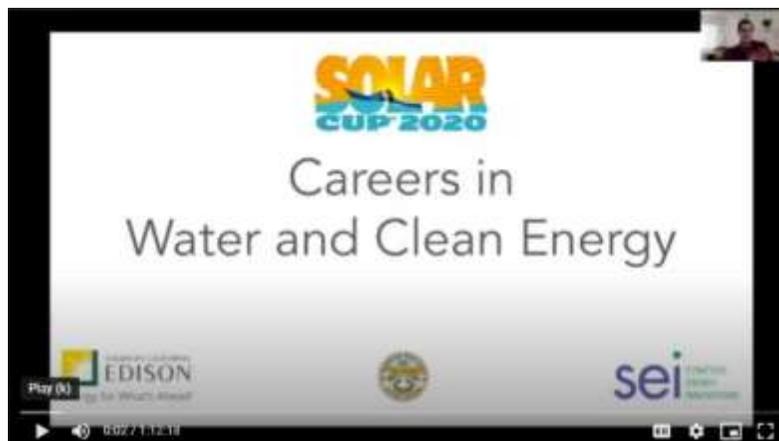
Community Partnering and Sponsorship Programs

Metropolitan sponsored the following events and staff participated in presentations and exhibits to promote water education, conservation, and sustainability initiatives:

- HOPE Latina Action Day Virtual Conference (June 10-12)
- Virtual WaterReuse Annual Conference (June 24-25)
- California Latino Leadership Institute Webinar (June 24)

Solar Cup

A Careers in Water and Clean Energy webinar concluded the 2020 Solar Cup program, in which more than 100 students completed the online program (**see image below**). New partnerships with Strategic Energy Innovations and Southern California Edison offered unique challenges on watersheds, electric vehicles, stewardship, sustainability, and green careers to allow for continued learning opportunities following the cancelation of the traditional competition weekend events. (June 4)



EXTERNAL AFFAIRS *continued*

CRA and SWP Virtual Reality Tour Promotion and Partnership

Metropolitan partnered with Central Basin Municipal Water District to provide Virtual Reality cardboard goggles and water information for Central Basin's Girl Scout Water Protector Program. More than 450 Girl Scouts learned about their water sources by going on VR tours of the Colorado River Aqueduct and the State Water Project.

Objective #5 BUSINESS OUTREACH AND INNOVATION - Facilitate opportunities for small businesses to work with Metropolitan. Help position Metropolitan as a leader in water innovation.

Metropolitan supported small businesses and entrepreneurs throughout the region through its online participation and, in some cases, sponsorship of the following programs, conferences, and events:

- Workshop for Metropolitan staff and the Booky Oren Group to identify strengths and challenges and collect data for potential inclusion in future global stage events. (June 1)
- "Returning to the Workplace Amidst COVID-19" webinar sponsored by the San Fernando Valley Economic Alliance. (June 3)
- California Black Chamber of Commerce Small Business Webinar Series featuring Senator Steven Bradford (D-Los Angeles) and Assemblymember Weber (D-San Diego). (June 3)
- Regional Agency Innovation Council (RAIC) meeting to provide water utilities information on topics surrounding innovation and technology, including the current COVID-19 pandemic and its impact on water utility operations. (June 4)
- Pacific Coast Regional Small Business Development Center's "PPP Forgiveness" meeting. (June 4)
- Orange County Small Business Development Center's "How to Use LinkedIn as a Business Development Tool" meeting. (June 5)
- National Association of Woman Business Owners – Los Angeles Chapter's "LA Business and Employment Considerations in a COVID-19 World" meeting. (June 9)
- L.A. Chamber of Commerce Webinar featuring Economist Dr. Christopher Thornberg on "The Economy Post COVID-19." (June 10)
- National Association of Minority Contractors Webinar Series on Joint Venture Guidelines. (June 10)
- San Diego Contracting Opportunities Center's "Are You Ready for Government Contracting?" meeting. (June 11)
- Water Services Association of Australia's The Inaugural W-Lab Ideation Summit. Isle and ThinkPlace who have partnered to establish W-Lab, to unite the water industry in problem solving and foster cross-sector collaboration on new technologies. (June 11)
- Los Angeles City Council Fifth District "Accessing City Contracting Opportunities Webinar." (June 12)
- Asian Business Chamber of Los Angeles' "Contract Opportunities with Public Agencies" webinar. (June 16)
- American Association of Blacks in Energy's "Pandemic Economics: How Companies and Individuals Retain Financial Stability during a Pandemic." (June 17)
- "Managing The Moment" webinar with FivePoint Chairman and CEO Emile Haddad on leading a company in times of crisis: the mindset, resilience and resources to navigate the challenge. (June 18)
- Technology Approval Group (TAG) virtual workshop to technologies that addressed leak detection, pipe condition monitoring, and water quality. (June 24)
- American Association of Blacks in Energy's "Energy Infrastructure and Economic Development" meeting. (June 24)

HUMAN RESOURCES

GM STRATEGIC PRIORITY #6: Foster Leadership and Strengthen Workforce Capabilities

Objective #1 Partner with Metropolitan leadership to support learning, development, and workforce planning initiatives.

To support Metropolitan teleworking, 69 employees attended an online training on “Running the Perfect Zoom Meeting.” The webinar covered the ins and outs of effectively using this online platform, including creating online meetings, using interactive breakout groups, and incorporating whiteboarding and polling functions.

Staff is researching and working with vendors to transition Metropolitan’s normal curriculum to virtual and/or webinars due to the majority of staff teleworking due to the “stay at home” order.

The Human Resources Group Manager is working directly with the OP&T Committee and Board on the General Manager recruitment process. Two discussions have occurred with the Board and proposals have been requested from qualified Executive Search firms.

Objective #2 Seek diverse, high-quality talent, and establish partnerships to discover additional outreach opportunities that aid in staffing positions.

Recruitment successfully filled nine positions in the month of June. We received six new staffing requisitions, resulting in 142 positions currently in recruitment. Recruitment has created a process which allows virtual interviewing using Zoom. We have completed 13 Zoom interviews, with eight additional interviews currently scheduled.

HR PRIORITY: Ensure Effective People Management

Partner with management to ensure that employees are appropriately managed, evaluated, engaged, motivated, developed, and recognized. Provide opportunities for career development, skills training, and knowledge capture in order to prepare for the future.

Objective #1 Ensure Metropolitan managers have foundational knowledge, on-going support to effectively manage employees, and the tools to prepare for a changing workforce.

Human Resources (HR) staff continued to provide one-on-one coaching for managers and employees in the developmental areas of communication, providing feedback, building trust with your virtual teams, and managing stress.

Due to the COVID-19 pandemic, the Human Resources Group Manager organizes a weekly check-in meeting with all Group Managers focused on sharing the latest information on employee illness or potential exposure, issues raised by the bargaining units, and strategies for working through the complexities of the “stay at home” order

HR PRIORITY: Strengthen Partnerships with HR Customers

Collaborate and partner with customers at all levels to support strategic decisions on workforce planning, hiring strategies, advancement and learning opportunities, disciplinary issues, and other challenges as they arise.

Objective #1 Establish partnerships focused on strategic solutions to various Human Resource management challenges.

HR has taken the lead in developing a collaborative plan for Business Transition, working with a team of managers from each of the departments and groups. The Business Transition Team is examining a wide range of legal, safety, health, and logistical issues associated with resuming normal business activities during different phases of the COVID-19 pandemic.

HUMAN RESOURCES *continued*

Since the onset of the COVID-19 crisis, the Director of Human Resources and Employee Relations staff have been in weekly communication with the bargaining units. Operational issues such as employee safety, teleworking, availability of protective equipment, and addressing potential employee exposures to the COVID-19 virus are among the many topics of dialogue.

HR PRIORITY: Provide Excellent Human Resources Services

Human Resources provides a wide range of services and support from pre-hire to post-retirement care. HR policies, procedures, and practices will be reviewed and revised as appropriate. HR will continually improve service and better utilize technologies.

Objective #1 Continue to upgrade HR's technological capabilities and continue to seek out improved technologies to better serve HR's customers.

HR worked with Information Technology to implement LinkedIn Learning through the MyLearning platform. LinkedIn Learning offers employee access to almost 9,000 online training modules on a wide variety of job and career-related topics. More than 190 employees are already registered for access to LinkedIn Learning.

Objective #2 Administer all HR services with efficiency and a focus on customer service excellence, consistency, and flexibility.

HR also worked with the Business Transition Team on implementing the Families First Coronavirus Response Act (FFCRA), which includes provisions for (1) Emergency Paid Sick Leave Act (ESPLA), and (2) Emergency Family & Medical Leave Expansion Act (EFMLEA).

In addition to the training for conducting online meetings, over 250 Metropolitan employees attended other online classes such as:

- Project Management
- OneNote
- SharePoint
- Resume Writing
- Speed of Trust
- Principles of Effective E-mails

CORE BUSINESS: Prepare to Meet Challenges of Future Workforce Changes

Human Resources can provide a wide range of services and support to ensure that Metropolitan positions itself for future workforce changes, by maintaining a collaborative and inclusive work environment, as well as a diverse workforce.

Objective #1 Promote an inclusive and collaborative workplace, maintain robust policies and procedures to ensure diversity, and prevent harassment and discrimination.

HUMAN RESOURCES *continued*

CORE BUSINESS: Comply with Employment Laws and Regulations

Ensure all policies, programs, and practices comply with ever-changing laws and regulations. Compliance with applicable laws and policies requires monitoring and analyzing changing requirements, determining impact on Metropolitan management and staff, and implementing any changes necessary to maintain compliance. In addition, these changes must be clearly communicated to all customers as necessary, with any needed training provided, as appropriate.

Objective #1 Effectively administer all Human Resources policies, programs, and practices in compliance with applicable federal and state laws and Metropolitan’s Administrative Code, Operating Policies, and Memorandum of Understanding.

In June, two new workers’ compensation claims were received and eight were resolved. Five employees remain off work due to an industrial injury or illness. This reflects Metropolitan’s effort to accommodate injured workers, while enabling them to be productive and on the job.

Activities of the Workers’ Compensation/Medical Screening Unit are summarized as follows for June:

- Submitted two new claims to Metropolitan’s Workers’ Compensation Claim Administrator
- Closed eight Workers’ Compensation Claim Files
- Currently five employees remain off work due to industrial injury or illness
- Coordinated medical surveillance exams at two facilities (Jensen and Diemer). The exams included Respirator Exams, Department of Motor Vehicle Exams, and Hearing Tests.
- Initiated and completed ten Medical Questionnaires in lieu of medical exams.
- Addressed one Accommodation issue.
- Coordinated two Random Drug Screening Site Visits for Diemer and La Verne.

HR Metrics	June 2019	June 2020	Prior Month (May)
Headcount			
Regular Employees	1,774	1,799	1,793
Temporary Employees	29	29	31
Interns	20	9	8
Recurrents	22	21	21
Annuitants	14	17	17

HUMAN RESOURCES *continued*

	June 2020	May 2020
Number of Recruitments in Progress (Includes Temps and Intern positions)	142	145
Number of New Staffing Requisitions	6	10
	June 2020	May 2020
Number of Job Audit Requests in Progress	12	12
Number of Completed/Closed Job Audits	2	2
Number of New Job Audit Requests	0	0

Transactions Current Month and Fiscal YTD (includes current month)			
External Hires	FY 18/19 Totals	June 2020	FISCAL YTD
Regular Employees	125	1	127
Temporary Employees	40	0	29
Interns	38	1	18
Internal Promotions	98	1	91
Management Requested Promotions	130	5	109
Retirements/Separations (regular employees)	118	0	124
Employee Requested Transfers	19	1	15

INFORMATION TECHNOLOGY

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

CORE BUSINESS: Information Technology

Collaboratively work with customers to deliver information technology options, services, and solutions in the areas of enterprise and business applications, Engineering Services and Water System Operations applications, data analytics, mobile/wireless computing, telecommunications, network services, information security, and personal computing.

Objective #1 Strengthen Metropolitan’s cybersecurity capabilities by deploying new and emerging technologies and implementing enhanced security countermeasures.

IT cybersecurity staff continued teleworking to move forward with on-going operations and capital projects to support Metropolitan’s highest cybersecurity priorities.

- Maintained leadership – IT Cybersecurity Unit Manager Jake Margolis participated as a webinar panelist on “Strengthening OT/ICS Security”. The event was sponsored by InfraGard, which is a partnership between the FBI and members of the private sector. The InfraGard program provides a vehicle for seamless public-private collaboration with government that expedites the timely exchange of information and promotes mutual learning opportunities relevant to the protection of critical infrastructure.
- Continued planning and execution of the Cybersecurity Capital Project to improve Metropolitan’s security posture and collaborated with stakeholders to further enhance network security capabilities for Metropolitan’s computing environments. As part of this project, staff continued cybersecurity initiatives, including implementing a new Endpoint Security Enterprise Solution that addresses all of Metropolitan’s endpoint network security needs.

Objective #2 Provide IT services in support of the Headquarters Improvements Program.

Continued to support the Engineering Services Group (ESG) on activities related to the Headquarters Improvement Program. With the prior completion of the network and Wi-Fi infrastructure within the five-floor wing portion (before Covid-19), the current phase of IT service focuses on relocation and corresponding network configuration changes, while maintaining the new network infrastructure established for the Wing. Key activities include:

- Continued to provide IT support and planning (move sequences) on high-rise floors impacted by upcoming construction activities.
- IT Management met with ESG and consultants on relocation requirements to support planning and to explore expediting construction on the sixth floor.

Objective #3 Manage Information Technology Projects within the Capital Investment Plan to ensure reliability of IT Systems and Infrastructure.

- Board and Committee Room Upgrade - Staff continued to move forward efforts to upgrade the audiovisual (A/V) systems at Metropolitan’s Headquarters Building. IT is working collaboratively with ESG and Facilities on this technology/construction project to replace the end-of-life A/V equipment in the Board and Committee rooms. Currently, the focus includes evaluating and streamlining the project timeline by analyzing critical dependencies with other construction activities at Headquarters for seismic and security upgrades.
- Continued Datacenter Modernization. Staff continued efforts to relocate Metropolitan’s data centers to improve the reliability and uptime of data center processing as part of the Data Center co-location strategy. The scope of this project includes moving the existing Primary and Disaster Recovery data centers to new facilities. Work by IT

INFORMATION TECHNOLOGY *continued*

Staff is proceeding according to plan, with a focus towards the highest priority items within the current disaster recovery data-center facility.

Objective #4 Modernize Operational Technology and Control System Upgrades as part of the Capital Investment Plan.

Objective #5 Improve Metropolitan's IT Disaster Recovery and Response Capability.

Maintained Metropolitan's IT Disaster Recovery and response capability by maintaining and ensuring sufficient capacity to run critical systems in a High Availability architecture mode in the event of a disaster. This includes monitoring and upgrades to servers, storage capacity, and backup devices at the IT Disaster Recovery (IT-DR) facility data center. With the successful completion of the IT DR Project, IT staff continues to work on expanding and enhancing capabilities for select applications by working collaboratively with Metropolitan's Business Continuity staff.

IT worked in collaboration with Water System Operations to design and prepare for testing a new national emergency communication service. This new system is a public safety grade network built for disaster communications, with ground stations throughout the country to create redundant radio coverage when primary modes of communication are not available in the event of a disaster. Activities for this period include:

- Completed site communication surveys at four Metropolitan locations selected for testing. Staff is in the process of completing site construction deliverables in anticipation of equipment delivery in July.
- Pilot testing is planned for August/October to validate and ensure the communication system operates effectively, given Metropolitan's large geographical coverage area. Upon successful completion of the test phase, staff is scheduled to begin full deployment in Q2 of next fiscal year.

Objective #6 Provide leadership, planning, and solutions in support of Metropolitan's Strategic Priorities.

- IT collaborated with multiple groups and business units to streamline the off-boarding process, which involved a significant number of tasks. These efforts resulted in a cloud solution application to manage and track employee separation notices. The application allows Human Resources (HR) greater visibility by seeing the status at any point in the process. A key benefit of the Metropolitan off-boarding effort is to replace manual off-boarding ("Employee Separation") processes with automation. The new application tracks each step within the process and issues notification and tasks on required actions. The Employee off-boarding application was a cross-organization project with participation from IT, Legal, HR, Cyber Security, and Records Management.

Objective #7 Deploy innovative solutions to improve operations, promote collaboration, and provide business value.

- Upgraded Fax Server – The Fenestrae fax server is used by the procurement team to fax purchase orders to vendors directly from the Oracle Financial System. This fax server is also used by other Metropolitan business users to send and receive an efax.
- Supported WINS billing system and process – The Business Applications Team continued to successfully support water billing in collaboration with Finance and WSO to produce accurate and timely billing. During the COVID-19 period with staff working remotely, IT ensured business continuity by supporting member agencies who must submit water certifications and process water invoices.
- Continued Virtual Private Network (VPN) Enhancements – Continued to enhance Metropolitan's VPN architecture to eliminate a single point of failure and provide high availability and redundancy. In addition, IT implemented a VPN License Server to leverage our existing VPN servers and consolidate licenses from Metropolitan's main and disaster recovery sites. Due to COVID-19, there is a greater demand for connection capacity to support all teleworkers. Deploying a license server helped to increase the VPN capacity to support teleworkers, without having to acquire additional concurrent user licenses.

INFORMATION TECHNOLOGY *continued*

- Conducted Unmanned Aerial Vehicle (UAV) Mission - Utilizing UAV, IT staff provided aerial footage of erosion damage to structures known as v-dikes that protect the Colorado River Aqueduct from debris flow. The mission involved flying 19 miles of v-dikes with the UAV and capturing the required video footage in less than a day.



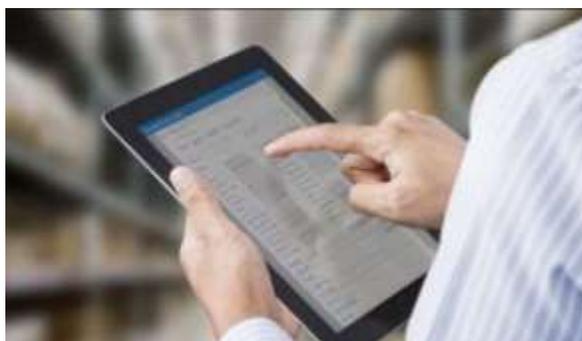
Harvesting Vital Data from the Sky

Objective #8 Enhance workforce productivity by simplifying access to business information and deploy technologies to support our customers in business decisions.

Deployed Interim Enhanced Surface Water Treatment Rule (IESWTR) Dashboard – IESWTR is a tool used by the Water Quality Section’s Operations Compliance managers. It is used to view important water quality constituents essential to compliance reporting. During the period, the IT OAS Team and Business Intelligence Team worked in collaboration with the Water Quality customer to develop and deploy a new KPI/Dashboard. This new tool supports compliance reporting based on operational parameters necessary to optimize treatment plant operations and provide users with visual triggers for troubleshooting anomalies quickly to support IESWTR monthly compliance reporting.

Water Ordering System – The scope of this project is to implement a system that allows member agencies to submit flow change requests via a secure web application. As a part of this project, in-house IT staff developed a cloud-based web application and cloud databases for this new system, allowing member agencies to request flow changes easily, as compared to the prior manual method of a phone call to Eagle Rock Facility operators. By using the new system, operators get to see these requests on a dashboard, automatically log actions taken, and notify the member agencies by sending them a confirmation. Currently in the testing phase, the system was recently pilot tested with Long Beach. This application integrates with Metropolitan’s Water Information System (WINS) and leverages cloud technology.

iPads for Water Quality – Continued efforts to upgrade existing tablets to iPads to support Water Quality Operations to record data collected from field water samples. The Water Quality Lab is currently using a Sample Collection app installed on an HP Datalogger device. The new iPads will provide users with faster performance, ease-of-use, upgraded software (native iOS App developed in-house), and improved security while providing greater access to other Metropolitan-approved mobile applications.



iPad for WQ Sample Collection

REAL PROPERTY

GM STRATEGIC PRIORITY #1: Enhance Infrastructure Safety, Security and Resiliency

Objective #1 Provide right-of-way planning and real property acquisition services for infrastructure.

Staff acquired an Encroachment Permit from the county of Orange in support of the Right of Way and Infrastructure Protection Program. The permit will allow Metropolitan to clear the overgrown vegetation, stake the area, and rehabilitate the blow-off structure on the Orange County Feeder Pipeline off Bayview Way in Newport Beach.

CORE BUSINESS: Real Property Acquisition, Management and Revenue Enhancement

Manage Metropolitan's real property assets with a focus on enhancement of returns while ensuring that Metropolitan's core operations are protected. Acquire real property rights for future operational business needs.

Objective #1 Manage Metropolitan's real property assets to support water system operations and water supply needs and seek maximum revenue and reduce costs where possible.

An Entry Permit was issued to the California Department of Water Resources to install and operate groundwater monitoring wells within the Colorado River Aqueduct right-of-way in the city of Perris for up to five years. The monitoring wells are related to the Perris Seepage Recovery site.

A private entity was issued an Entry Permit to construct a protective slab over the Colorado River Aqueduct in the city of Perris until November 30, 2020. The Entry Permit will help facilitate the construction of new public roads in connection with a new industrial business park.

The United States Geological Services was issued a one-year Entry Permit for fish and invertebrate research on Chipps Island. The permit will terminate upon transfer of the property from Metropolitan to the State of California.

Objective #2 Pursue development and improvement of the Diamond Valley Lake (DVL) area, including the DVL Visitor Center and marina facilities, in support of recreation, additional leasing and revenue opportunities.

No major events are being held at Diamond Valley Lake due to COVID-19. DVL remains open for fishing and hiking.

Objective #3 Efficiently maintain and operate Metropolitan's Headquarters Building, Diamond Valley Lake Visitor Center, and District Housing.

With the increased awareness of the potential spread of viruses and bacteria, staff completed a retrofit of all urinal and water closet manual flush valves within the Headquarters building. The new touchless auto-flush valves help eliminate a common touch point within restrooms. The new valves, combined with the existing touchless faucets, will decrease the spread of germs and reduce the risk of infection.

Objective #1 Improve Security and Emergency Response

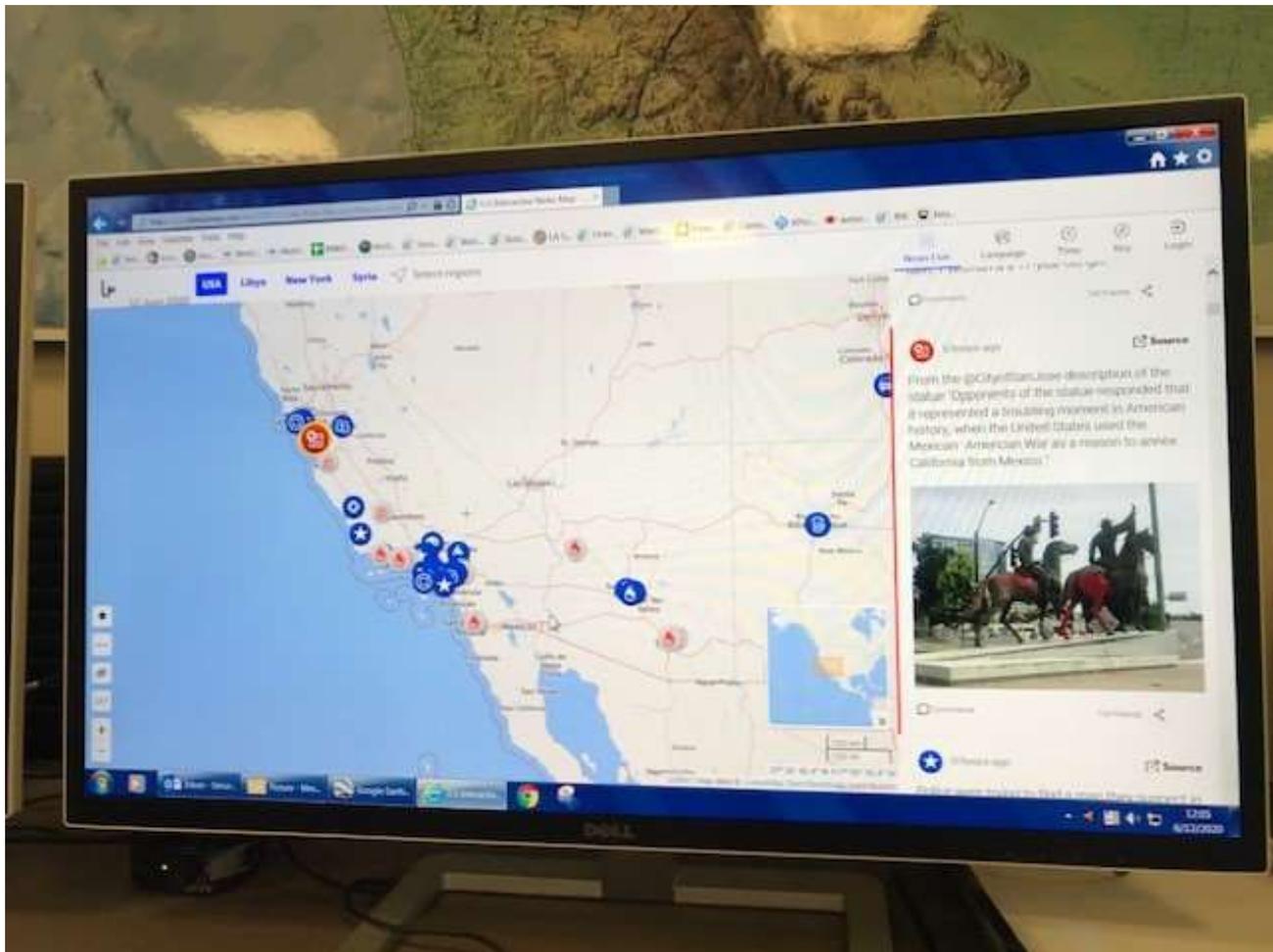
- Metropolitan’s Security Management Unit has anticipated, planned, and continues to support impacts of the extended COVID-19 “stay-at-home” orders. Each special agent serves as an on-duty Chief Security Officer, working directly with the Emergency Operations Center and various regional law enforcement agencies on a continuous basis. This collaboration allows them to monitor and promptly respond to issues that may impact Metropolitan’s facilities and personnel. To assess and address Metropolitan’s readiness to various threats, the unit has developed a Risk Assessment Matrix, which evaluates threats and their countermeasures and illustrates the effectiveness and resource allocation for threat mitigation.

 MWD SECURITY RISK ASSESSMENT <small>(SENSITIVE/PCII - EXEMPT FOIA)</small>	
Template Name	MWD Security Risk Assessment
Section 1 – Activity Description	
Date of Assessment:	5/19/2020
Description of Activity/Hazard/Risk:	COVID19-SECOND ORDER AND CASCADING THREATS IN MWD AREAS OF OPERATION
Work Site/Location:	MWD UNION STATION HEADQUARTERS, LOS ANGELES, CA 90012
Assessment Conducted by:	MWD SECURITY TEAM MANAGER DAVID COLE
BACKGROUND INFORMATION	
Reason for Assessment:	REQUESTED BY MWD SECURITY UNIT MANAGER TOMER BENITO
Other Relevant Information:	SOURCES: MWD SECURITY INCIDENT REPORTS/SECURITY SITE SURVEYS 2019 CAP INDEX FBI CRIME STATISTICS FOR USHQ 3-MILE RADIUS LA CITY COVID-19 DAILY UPDATE 2019 AMERICA'S WATERS INFRASTRUCTURE ACT (AWIA) ASSESSMENT FINDINGS FOR MWD CAL OSHA GUIDANCE ON COVID-19 PREVENTION IN THE WORKPLACE
PHOTOS/DIAGRAMS	
	
<small>Trespassers escorted off USHQ property 3:36 am</small> <small>2019 CAP Index FBI Crime Statistics for USHQ</small> <small>LA City Daily COVID-19 Crime Briefing Slides</small>	
<small>Uncontrolled if Printed</small> <small>Page 1 of 4</small>	

Risk Assessment cover page for Metropolitan headquarters building

Objective #2 Strengthen Internal and External Partnerships

- May was National Wildfire Awareness month. Security staff participated in fire-related exercises with the Los Angeles County Fire Department last month. The exercises were put into action in the first week of June, when several wildfires broke out in the region. A monitor dedicated to live updates on fire and other regional hazards has been added to the 24/7 Security Watch Center. This addition allows them to monitor issues and quickly alert staff or first responders in Metropolitan’s service area.



Live fire monitoring at the Security Watch Center

WATER RESOURCE MANAGEMENT

GM STRATEGIC PRIORITY #2: Prepare for More Extreme Hydrology

Objective #1 Identify storage policies to improve response to extreme hydrology.

Metropolitan staff continues to engage with member agencies to develop drivers of change for scenario planning through the Member Agency Technical Workgroup Meeting and the Member Agency Managers Meeting, held on June 10 and 12, respectively. A survey on the importance of the drivers of change that will help construct scenarios of plausible futures was sent to member agencies, stakeholders, and to the board.

Objective #6 Implement Conservation Program.

Staff held two on-line Model Water Efficient Landscape Ordinance (MWELo) Workshops, which provided information on irrigation design and MWELo requirements to landscape contractors and local government personnel. Each workshop had approximately 100 people attend.

All 12 projects for the 2018 Innovative Conservation Program (ICP) grant program are now complete; a total of \$570,000 was awarded in grants. Project reports are posted on the BeWaterWise website at <http://bewaterwise.com/icp-projects.html>.

Eleven newly designed, on-line regional Turf Removal and California Native Landscape Classes are scheduled through the end of July. Staff partnered with External Affairs to promote the classes using social media.

GM STRATEGIC PRIORITY #3: Ensure Imported Supply Reliability

Objective #1 Ensure a cost-effective and reliable State Water Project.

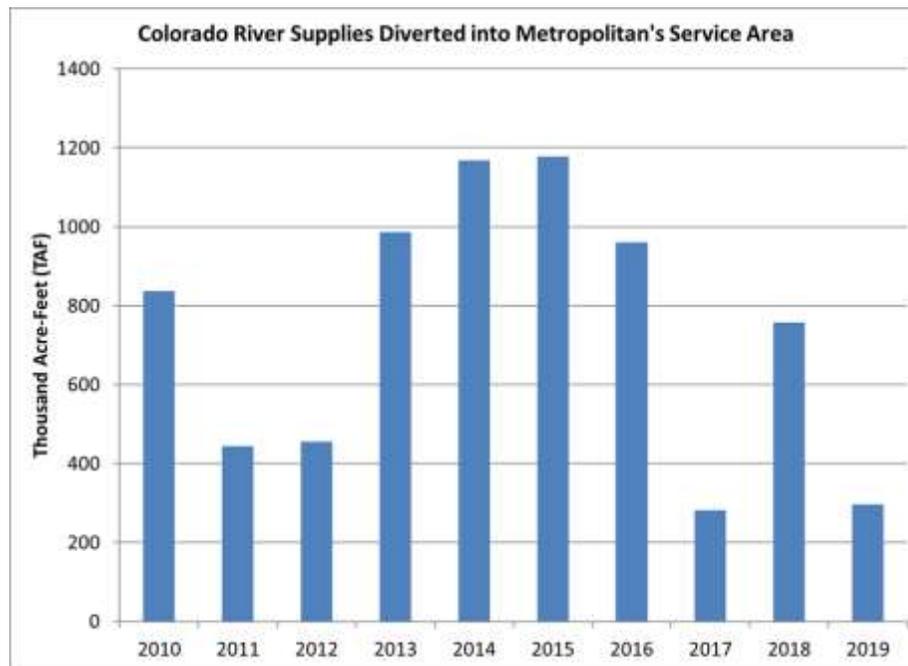
Staff provided comments to DWR on six Groundwater Sustainability Plans (GSPs) for agencies in the Central Valley. Comments focused on how the GSPs address subsidence of the California Aqueduct and protect Metropolitan's investments in groundwater banking.

Objective #2 Ensure access to sufficient water supplies to operate a full Colorado River Aqueduct in times of drought.

Metropolitan staff coordinated with other study funders to finalize the Colorado River Basin Climate and Hydrology: State of the Science [Report](#). The report creates a shared understanding of the physical settings, latest data, tools, and research underpinning the management of Colorado River resources. By serving as a common knowledge base, the report helps stakeholders improve short- and long-term forecasting of supplies from the Colorado River Basin.

Colorado River Accounting— Metropolitan staff coordinated with the U.S. Bureau of Reclamation (USBR) to finalize the 2019 Decree Accounting of diversions, return flows, and consumptive use for all users in the Lower Colorado Region. Metropolitan's net consumptive use of Colorado River water was approximately 538 TAF in 2019. Of that amount, 241 TAF was delivered to DWCV, and the remaining 297 TAF was delivered to Metropolitan's Service Area.

WATER RESOURCE MANAGEMENT *continued*



Colorado River Basin Salinity Control Forum Meetings:

In early June, Metropolitan staff participated in biannual Colorado River Basin Salinity Control Forum (Forum) meetings. The meetings included two key topics. First, USBR gave a progress report on a six-month injection test initiated in late April of 2020 on the Paradox Valley Unit (PVU), indicating that the test had been halted on May 29 to allow for an independent review of the test plan by a USBR consultant. Second, the Forum received a draft of the 2020 Triennial Review of Water Quality Standards for Salinity in the Colorado River System.

GM STRATEGIC PRIORITY #4: Maximize Local Resources

Objective #1 Support development of Regional Recycled Water Program (RRWP).

Staff worked with the Water Quality team and USBR to provide budget and other information for a \$750,000 USBR Title XVI Water Reuse Research Grant being awarded to Metropolitan. Staff anticipates finalizing the data request in June and receiving a draft funding agreement by September.

Staff provided comments to the SWRCB on the FY20-21 Clean Water and Drinking Water State Revolving Fund Intended Use Plans to help reduce program backlogs and streamline the application and agreement processes utilized to provide low interest loans for water projects. Comments requested that the SWRCB consider additional state and stakeholder actions to increase the number of recycled water projects funded in FY20-21.

Objective #2 Implement Future Supply Actions Funding Program.

Staff worked with member agencies experiencing study delays and funding constraints as a result of the COVID-19 pandemic. At least three studies are delayed due to travel restrictions or inability to access study sites. A fourth study has been impacted by a funding issue with one of the study partners. Staff is working with the member agencies to adjust schedules and amend agreements as needed. Staff also participated in a Water Research Foundation (WRF) meeting with State Water Resources Control Board staff on two of the Potable Reuse Studies under WRF's Advancing Potable Reuse Initiative. To support the initiative, Metropolitan is funding six potable reuse studies and one study of agricultural reuse under the FSA Funding Program.

WATER RESOURCE MANAGEMENT *continued*

Objective #4 Collaborate with member agencies, water agencies and associations, and provide leadership for policy development, advocacy, outreach and education.

Staff worked with the WaterReuse National Legislative and Regulatory Policy Committee on development of their long-term strategy. The committee discussed impact of COVID-19 on water operations, future infrastructure funding requests, and local agency actions.

Staff provided a recycled water legislation and regulation update via an on-line meeting to approximately 80 members of the Los Angeles WaterReuse Chapter. Staff highlighted draft federal WRDA legislation and potential future funding.

Staff participated in the National Alliance for Water Innovation's (NAWI) first road mapping meeting to plan and outline priorities for their first year as a functioning organization. This organization was selected in 2019 to support the U.S. Department of Energy's Energy-Water Desalination Hub. NAWI brings together a world-class team of industry and academic partners to examine the critical technical barriers and research needed to lower the cost and energy of desalination.

Staff participated in an USBR study to update of the Salinity Economic Impact Model (SEIM). The SEIM model is used by USBR and Metropolitan to estimate the impacts of elevated salinities on urban and agricultural communities. USBR and Metropolitan also use the model to estimate the benefits of salinity management actions. Metropolitan has helped develop the model over time, including during the 1999 Salinity Management Plan. USBR's two-year study updated cost data and many of the economic functions in the model. Metropolitan staff served on the project advisory committee along with representatives from the Southern California Salinity Coalition and Colorado River Salinity Control Forum. USBR sponsored training for the model this month. Several Metropolitan and member agency staff participated in the training. Next steps include additional training and assisting member agencies in implementing the model.

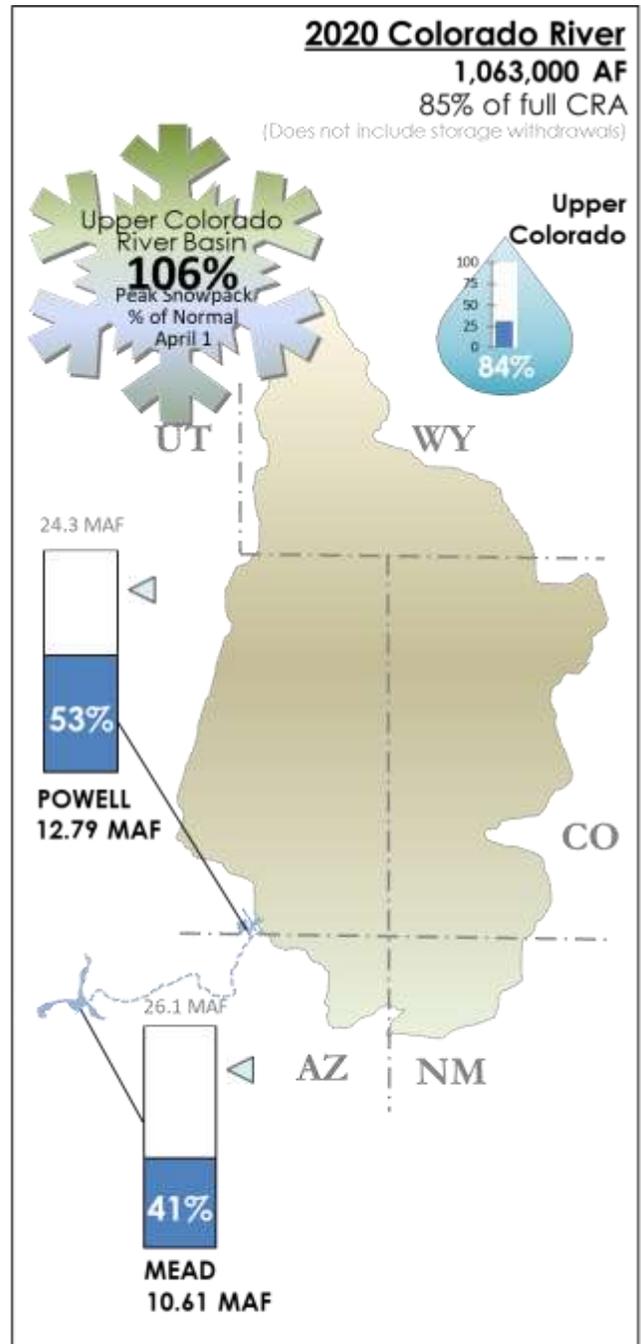
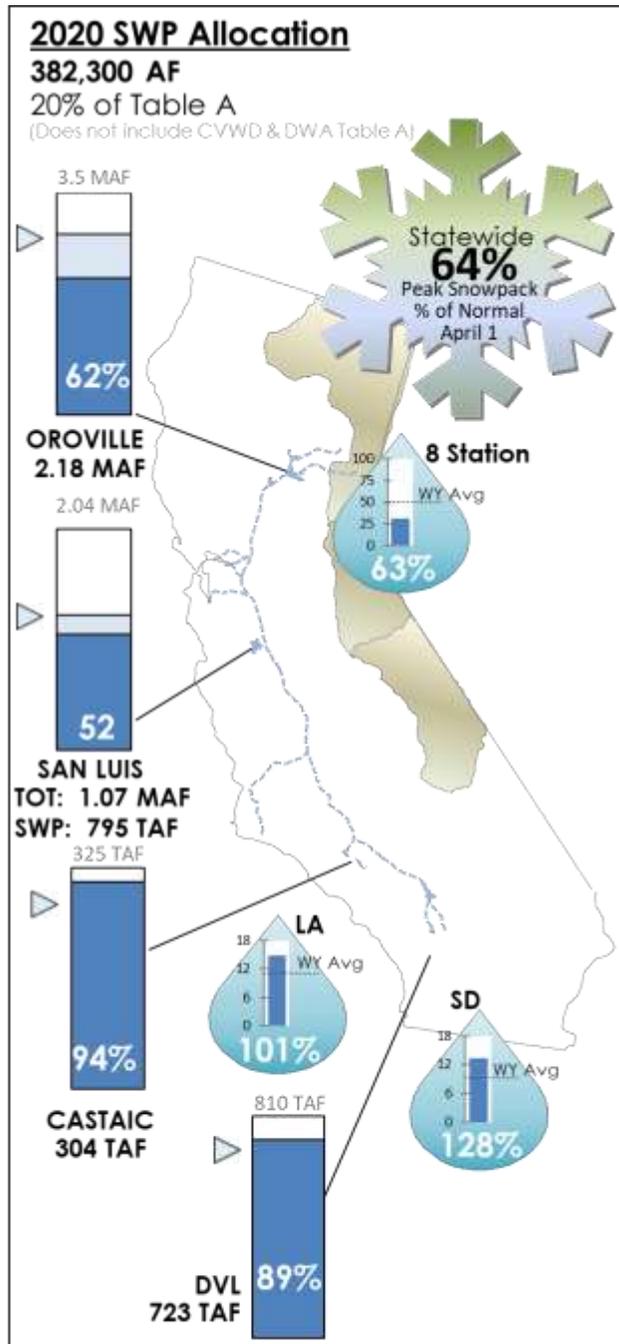
GM STRATEGIC PRIORITY #5: Promote Environmental Stewardship & Sustainability

Objective #1 Support Integrated Water Resources Plan Implementation.

Metropolitan is a founding member of the California Water Data Consortium, and over the past few months has been instrumental in hiring the new Chief Executive Officer, Tara Moran, and developing strategic and financial priorities for the organization. This month staff participated in two Consortium Board meetings, which involved establishing the Consortium's budget and developing an action plan for the upcoming year.

Metropolitan staff closely consulted with the Board to develop and update the Consortium's [website](#) ahead of their new CEO announcement in early June. Dr. Tara Moran will serve as the Consortium's first President and CEO, and a public meeting introducing her to AB 1755 stakeholders will be jointly hosted by the Consortium and the AB 1755 Partner Agency Team on June 26th. Dr. Moran previously led Stanford's Water in the West Sustainable Groundwater program and will join the Consortium officially on August 3, 2020. The press release announcing Dr. Moran as CEO and a calendar of upcoming Consortium events can be found on their [website](#).

WATER RESOURCE MANAGEMENT *continued*



As of June 30, 2020

WATER SYSTEM OPERATIONS

GM STRATEGIC PRIORITY #1: Enhance Infrastructure Safety, Security and Resiliency

Objective #1 Provide Reliable Water Deliveries.

Metropolitan delivered approximately 121,500 acre-feet (AF) of water to member agencies in June. June deliveries averaged approximately 4,050 AF per day, which was 210 AF per day higher than May deliveries. Treated water deliveries for June totaled 70,500 AF, or 58 percent of total deliveries for the month. This was a decrease of about 5,500 AF from May treated water deliveries. The Colorado River Aqueduct was at a 7-pump flow, or 3,150 AF per day in June. A total of 94,500 AF was pumped on the Colorado River Aqueduct for the month. State Water Project imports averaged 1,585 AF per day, totaling 47,550 AF for the month. The target SWP blends were zero percent at the Weymouth, Diemer, and Skinner plants. Operations Control Center staff continued to maintain social distancing by working in separate control rooms at the Eagle Rock facility, as well as utilizing a backup control room at an offsite location.

Objective #2 Ensure Water Quality Compliance, Worker Safety, and Environmental Protection.

Metropolitan complied with all water quality regulations and primary drinking water standards during May 2020.

Staff at the Weymouth plant prepared temporary reporting locations for micro-teams in preparation for safe return-to-work schedules. Staff utilized existing electrical equipment and water connections from trailers previously used by contractors, and repurposed them for Metropolitan needs. These trailers will provide two, fully-functional reporting locations for operational staff while maintaining social distancing.



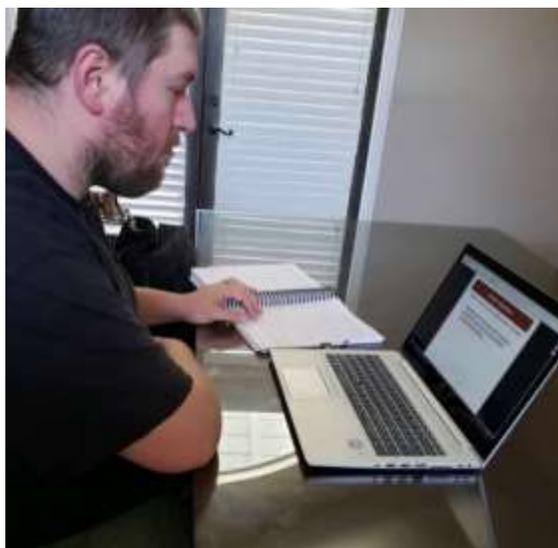
Staff installing additional 120V circuit breakers for micro-team facilities at the Weymouth plant

WATER SYSTEM OPERATIONS *continued*



Staff using existing electrical equipment to power two temporary micro-team facilities at the Weymouth plant

With the restrictions and precautions COVID-19 has placed on Metropolitan, creativity within normal business has blossomed. Staff participated in vendor-provided webinar training classes. Staff took a four-day 2020 National Electric Code/National Fire Protection Association course and a three-day Low-Voltage Circuit Breaker course virtually. Employees were able to take the classes while teleworking, ensuring social distancing while interacting with some of the industry's top subject matter experts. Nearly all of Metropolitan's safety and technical training classes are now available online.



Staff participating in online learning while teleworking

WATER SYSTEM OPERATIONS *continued*

Staff installed bipolar ionization systems on select air conditioning units throughout the La Verne facility to further reduce potential impacts of airborne pathogens such as the COVID-19 virus and improve indoor air quality. Each compact unit attaches to the air handler fan housing and creates an electrical energy field in the airflow that neutralizes mold, bacteria, and virus particles.



Staff installing bipolar ionization units on an air handler at the La Verne facility

Objective #3 Actively Engage in Capital Project Planning and Execution.

Work resumed on the Weymouth Domestic Water System Improvements capital project following a temporary construction contract suspension due to the COVID-19 pandemic. This month, staff worked to verify the new Remote Terminal Unit (RTU) signal termination wiring. Construction of this \$6.9 million capital project is scheduled to be completed this year.



Staff testing a new remote terminal unit (RTU) as part of a capital project at the Weymouth plant

WATER SYSTEM OPERATIONS *continued*

Objective #4 Optimize Maintenance.

Staff continued the system-wide coatings program aimed at preventing corrosion, extending the life of pipelines and infrastructure, and maintaining reliable operations. Staff rebuilt two plug valve assemblies, and then sandblasted and applied exterior protective coatings, at the Sunset Pressure Relief Structure located along the Santa Monica Feeder in the city of Beverly Hills.



Before (left) and after (right) coating application of valves on the Santa Monica Feeder

Staff prepared for a shutdown in late June to reinforce a small section of the Second Lower Feeder (SLF) in the city of Placentia. The work was accelerated due to an inspection conducted as part of the ongoing prestressed concrete cylinder pipe (PCCP) rehabilitation program. Staff is preparing access points needed for dewatering and pipeline entry.



Staff entering a structure to prepare access points for an upcoming shutdown on the Second Lower Feeder

WATER SYSTEM OPERATIONS *continued*



Traffic control setup in the city of Placentia to conduct pre-shutdown work for the Second Lower Feeder



Staff preparing access locations in advance of the Second Lower Feeder shutdown in the city of Placentia

WATER SYSTEM OPERATIONS *continued*



Blind flange on Second Lower Feeder before (left) and after (right) shutdown preparation work

Staff replaced a failed flood pump at the Corona Hydroelectric Plant (HEP). The pump provides protection of the HEP mechanical and electrical equipment in the event of a leak from seals or other system components in the unmanned facility. While the pump was being rebuilt, staff installed a temporary portable pump to provide flood protection and keep the HEP operating and generating revenue.



Staff placing rebuilt flood pump in the Corona HEP sump structure

WATER SYSTEM OPERATIONS *continued*

Due to heavy rainfall in 2019, considerable erosion developed along the Colorado River Aqueduct patrol roads and caused damage to drainage channels. The drainage channels direct water from the patrol roads into riverbeds. Staff restored the drainage channels to ensure protection of the patrol roads during heavy rainstorms. The project costs qualify for FEMA reimbursement.



Storm damage caused by heavy rains (left) and a repaired drainage channel (right)

Staff removed and disassembled a faulty actuator from the Temescal Tower, which is used to control flow on the Lower Feeder. The La Verne Shops refurbished and reassembled the actuator. Staff is also repairing the throttling gate and guide. The gate and actuator will be installed during a shutdown tentatively scheduled for late July 2020.



Staff refurbishing throttling gate actuator from Temescal Tower on the Lower Feeder

The La Verne Shops refurbished a check valve to be used in the distribution system. Staff removed the valve from service when it failed to operate. The La Verne Shops assess these valves and perform repairs and refurbishment for those that are salvageable. Once refurbished, staff returns the valves for stock inventory.

WATER SYSTEM OPERATIONS *continued*



Staff rebuilding a check valve used in the distribution system

Staff replaced balance lines at the Temescal HEP. The purpose of these stainless-steel lines is to balance the differential pressure within the turbine's scroll case. The lines had reached the end of their service life and showed evidence of leakage.



Staff installed balance lines (left) and welded stainless steel piping (right) at Temescal HEP

As part of Metropolitan's COVID-19 prevention efforts, staff removed an inoperable multi-zone air conditioning system in the old La Verne Coatings Shop office and installed a new energy-efficient unit in its place. The repurposed office will be used by micro-teams to ensure social distancing. This new air conditioning unit will help maintain adequate temperature and reduce maintenance costs by using washable filters and variable speed fans.



New air conditioning units installed for a micro-team office in the La Verne Coatings Shop

WATER SYSTEM OPERATIONS *continued*

An outside vendor completed repairs of a transformer from Intake pumping plant. Staff worked with the vendor to transport the transformer to Intake pumping plant for installation and final assembly. The transformer was originally manufactured in 1959 and transforms high-voltage electricity from the 230kV transmission lines to a lower voltage used to operate the pumps. The repairs included new core insulation, new bushings, and installation of an online dissolved gas analyzer. The analyzer will continuously monitor and trend the condition of the transformer to ensure reliable operation of the power system.



Staff unloading transformer at Intake pumping plant

Staff took delivery of a 2019 heavy-haul tractor equipped with a 550-hp, Tier 4 environmentally-friendly engine and additional axle to increase load capacity. Staff brought the new unit to the Weymouth plant for inspection by a certified vendor to meet state compliance requirements. The tractor will support specialized transport of heavy equipment traveling to assigned fieldwork locations throughout the region. This unit replaced an 18-year old truck and is 95 percent cleaner, more fuel-efficient, and environmentally friendly.

WATER SYSTEM OPERATIONS *continued*



New heavy-haul tractor equipped with an environmentally-friendly engine

Staff recently reinstalled a refurbished exciter on a pump motor at the Eagle Mountain pumping plant. This pump, along with the other 44 Colorado River Aqueduct pumping units, uses 6.9 kV to power the large pump motors.



Electrical arcing of pump motor prior to adjustment at Eagle Mountain pumping plant

WATER SYSTEM OPERATIONS *continued*

During routine testing of an Intake pumping plant transformer, a repair need was identified to prevent degradation of the transformer. Transformers are used to step down voltage to power the large Colorado River Aqueduct pumps. Staff removed the transformer from service and transported it to a vendor for inspection and repair. The vendor identified the cause, repaired the unit, and shipped it back to Intake pumping plant for installation.



Staff unloading repaired transformer for Intake pumping plant

This month, staff replaced the direct current (DC) power system for one of three high-voltage switchgear rooms at the Jensen plant. DC power is used to control high-voltage protective equipment and emergency generator programmable logic. In the event of a power loss, this battery bank is used to safely transfer power to the emergency generators to ensure operational reliability.

WATER SYSTEM OPERATIONS *continued*



Staff removing old batteries at the Jensen plant



Staff installing new DC charger at the Jensen plant

Staff is repairing a compressed air line leak that supports the Coatings Shop located at the La Verne facility. The compromised pipe developed a pinhole leak just below the asphalt grade. After removing the corroded section, staff re-tapped the threads and reinstalled the piping. This leak repair reduces the run-time on the air compressor, which will maintain safety and reliability while reducing maintenance.

WATER SYSTEM OPERATIONS *continued*



Staff repairing an underground compressed air leak at the La Verne facility

Staff removed a damaged valve actuator and gearbox from the Jensen plant. The La Verne Shops refurbished and coated the actuator and gearbox, which will be stored as spare parts inventory for use when needed.



Valve actuator and gearbox before (left) and after (center and right) refurbishment and coating at the La Verne Shops

WATER SYSTEM OPERATIONS *continued*

Objective #6 Improve Security and Emergency Response

The Emergency Operations Center (EOC) has been activated since early March to coordinate Metropolitan’s emergency response to COVID-19. EOC staff have been coordinating on a number of activities including enhanced cleaning and disinfection of facilities, establishing alternate work areas, and tracking supply chain issues such as ensuring necessary PPE and supplies are available to support Metropolitan’s critical and essential operations. The EOC was run virtually, allowing staff to safely work and maintain social distancing protocols. On June 19, the EOC was deactivated and transitioned to a duty officer status, as Metropolitan shifts from emergency response to a business transition phase. Staff will continue to closely monitor the effects of the pandemic on Metropolitan’s operations, maintain regular contact with local and state emergency management and public health officials, and be prepared to re-activate the EOC as necessary. In addition, staff will be conducting a “hot wash” to capture the lessons learned from the response to the pandemic and prepare an after-action report that will be incorporated into Metropolitan’s emergency response planning efforts.

The perimeter fencing around the Jensen plant site provides security for the facility, staff, and equipment. The fencing is inspected daily by Metropolitan-contracted security personnel as well as Metropolitan’s security staff. This month, a compromised location along the fence was repaired. Staff immediately made temporary repairs to the fence to secure the facility, while the vendor-provided permanent repairs were completed in three days. There was no impact to plant operations or staff.



Compromised fence with temporary repair at the Jensen plant

Objective #7 Optimize Water Treatment and Distribution.

The State Water Project (SWP) target blend entering the Weymouth and Diemer plants was 0 percent in June 2020. The SWP target entering Lake Skinner was 30 percent in June 2020.

Flow-weighted running annual averages for total dissolved solids from April 2019 through March 2020 for Metropolitan's treatment plants that can receive a blend of SWP and CRA water were 339, 342, and 338 mg/L for the Weymouth, Diemer, and Skinner plants, respectively.

Metropolitan divers removed plates from the filter beds at the Diemer plant effluent channel, restoring service to six filters. The plates were previously installed to facilitate replacement of filter valves as part of a capital project.

WATER SYSTEM OPERATIONS *continued*



Divers removing plates from filter beds in the effluent channel at the Diemer plant

Staff replaced a pipe spool at the Lake Skinner Outlet Conduit chlorine ejector cabinet. During an inspection, the spool showed signs of wear. This equipment is part of the chlorine feed system to control the spread of quagga mussels in the raw water delivered to member agencies from Lake Skinner. In order for staff to make these repairs, the chlorine feed was transferred to the Lake Skinner Tower ejector cabinet. Staff shut off the flow to the outlet conduit and replaced the spool. With the addition of the spacer flanges, the spool was able to be purchased as a stock item, which reduced the cost by 75 percent and prevented a delay in delivery.



Old worn pipe spool in need of replacement at the Skinner plant

WATER SYSTEM OPERATIONS *continued*



Newly installed replacement pipe spool at the Skinner plant

During a routine check at the Mills plant, staff detected a slight ozone odor in the ozone generator room. Staff verified a leak using a handheld ozone detector and traced the leak to the generator access hatch. The unit was isolated while staff, wearing appropriate personal protective equipment (PPE), opened the access hatch and found the leak to be coming from an O-ring seal. The O-ring was replaced and the unit was returned to service, ensuring safe and reliable operations.



Staff in PPE troubleshooting a small ozone leak at the Mills plant

WATER SYSTEM OPERATIONS *continued*



Staff removing ozone generator hatch for repairs at the Mills plant

Staff cleaned and performed maintenance on two ozone cooling water heat exchangers at the Diemer plant. Heat exchangers are used to cool the equipment associated with the ozone process. In the past month, staff observed an increase in material accumulation on the heat exchangers. A microscopic examination of the clogging material matched organisms originating in Lake Mathews. Staff will continue to monitor the raw water quality and performance of the equipment.

Objective #8 Provide Technical Support to Member Agencies.

The La Verne Shops procured and coated a motor that operates the actuator of a hollow jet valve at the San Gabriel Dam, which is owned and operated by the Los Angeles County Flood Control District. Metropolitan staff witnessed installation of the motor and performed operational testing of the valve once the motor was installed. Staff provided these services under an existing reimbursable contract between Metropolitan and the Flood Control District.



Removed hollow jet valve before (left) and after (right) installation and testing of new actuator motor at San Gabriel Dam

WATER SYSTEM OPERATIONS *continued*

Metropolitan responded to Central Basin Municipal Water District's request to assess the operational condition of service connection CenB-22, located on the Middle Feeder, and facilitate its activation after several years of the connection's being idle. Metropolitan closely coordinated with the agency on return-to-service activities, including providing historical representative water quality data for CenB-22 per the member agency's request. On May 22, Central Basin successfully began taking water at CenB-22.

Objective #9 Prepare for Future Legislation and Regulation.

On May 28, Metropolitan sent a comment letter to the California Air Resources Board (CARB) regarding a proposed Advanced Clean Trucks (ACT) Regulation. As a public agency, Metropolitan would be subject to ACT reporting requirements, such as providing fleet composition, average usage patterns (e.g., miles driven per day/year) and existing fueling infrastructure (e.g., gas, diesel, natural gas). Metropolitan's comments focused on clarifying/simplifying CARB's data request to better capture the diverse operating characteristics of Metropolitan's medium-to-heavy duty fleet.

On June 2, Cal/OSHA released revised guidance clarifying that employers must report work-related COVID-19 fatalities, injuries, or illnesses as they would for any other reportable injury or illness (e.g., results in death, missed days from work, medical treatment beyond first aid). This new guidance is more stringent than current Federal OSHA guidelines released in March 2020. Staff are reviewing the differences between the state and federal guidelines for any potential impacts on Metropolitan's reporting practices.

On June 6, DWR submitted its final recommendations to the Legislature for Urban Wholesale Distribution Systems Water-Loss Audit Reporting. The recommendations, which staff supports, include requiring urban wholesale water suppliers to complete annual water loss reporting and submit a meter inventory. The report also directs DWR to conduct a study on large-meter accuracy testing protocols and provide training to wholesalers on the new audit requirements. Staff will continue to work with DWR on any future wholesale water loss developments.

On June 9, the Association of Metropolitan Water Agencies (AMWA) submitted comments on USEPA's regulatory determination for PFOS and PFOA-- two of the most commonly detected per- and polyfluoroalkyl substances (PFAS). Staff worked with AMWA to support regulating PFOA and PFOS in drinking water, as well as provided comments on possible regulatory approaches for other PFAS, whether that be on an individual, group, or class basis. The letter urged USEPA to focus any future PFAS regulations on those constituents included in the third Unregulated Contaminant Monitoring Rule (UCMR3), thereby ensuring the most relevant occurrence and health effects data are used. Lastly, the letter requested USEPA to develop risk communication tools and engage stakeholders throughout the regulatory process. Staff will continue to monitor and engage in future PFAS regulatory actions

On June 19, Metropolitan sent a comment letter to DWR on its draft report to the Legislature on small water suppliers and rural communities at risk of drought and water shortage vulnerability. The report provides recommendations and guidance to address planning needs of these communities, including preparing an emergency response plan and drought supply evaluation to submit to the state. As state-designated community water systems, Metropolitan's Gene, Iron Mountain, and Eagle Mountain pumping plants are included in the draft report. Staff supports the overall goal of the report to decrease the vulnerabilities of small water systems from the effects of drought and water shortage. However, small systems that are connected to larger water systems, such as Metropolitan's desert domestic water systems that are tied to the Colorado River Aqueduct system, do not have the same vulnerabilities as other smaller water suppliers and rural communities. Therefore, Metropolitan believes these systems should be excluded from the draft report's recommendations. Staff will continue to coordinate with DWR on its preparation of the final report.

WATER SYSTEM OPERATIONS *continued*

GM STRATEGIC PRIORITY #2: Prepare for More Extreme Hydrology

Objective #1 Manage Water Reserves.

State Water Project imports into the service area in June accounted for about 39 percent of Metropolitan's deliveries. Storage at Diamond Valley Lake ended the month at about 722,000 AF, or 89 percent full. Water reserves continued to be managed according to Water Surplus and Drought Management principles, the Annual Operating Plan, operational objectives, and the current 20 percent 2020 SWP allocation. This month, Banking Program deliveries from Semitropic and Kern Delta were stopped due to last month's increase in the SWP supply and the resulting decrease in need to pull from storage reserves. No additional deliveries from banking programs are planned for this year. Withdrawals from DVL continued this month to help meet demands under the current low supply condition. Yuba Transfer supplies of about 7,000 AF to Metropolitan have also been acquired to help preserve storage reserves and prepare for the potential of a multi-year drought. Metropolitan's record high storage levels at the end of 2019 provide significant water supply reliability in 2020.

GM STRATEGIC PRIORITY #3: Ensure Imported Supply Reliability

Objective #1 Support Imported Supply Reliability.

The La Verne Shops manufactured two large stoplog gates, weighing 7,000 pounds each, for the Department of Water Resources (DWR) Alamo Power Plant. The newly manufactured stoplog gates will replace the existing ones that were heavily corroded and had exceeded their service life. These new stoplog gates, in conjunction with two slide gates, allow DWR to safely dewater the Alamo Power Plant generating units for inspection and any needed repairs.



Corroded stoplog gate from DWR's Alamo Power Plant

WATER SYSTEM OPERATIONS *continued*



Newly manufactured and coated stoplog gates for DWR's Alamo Power Plant by the La Verne Shops

GM STRATEGIC PRIORITY #4: *Maximize Local Resources*

Objective #1 Support the Regional Recycled Water Program

During the month of June, operations and maintenance activities continued at the Regional Recycled Water Advanced Purification Center demonstration facility in Carson. Staff transitioned the membrane bioreactor (MBR) biological processes to a nitrification-only mode of operation through the use of piping improvements completed during a four-day shutdown of the MBR return activated sludge system at the end of May. Staff continued to work with the Sanitation Districts of Los Angeles County and project consultants to monitor MBR system performance. The baseline testing phase at the demonstration facility is expected to begin in July 2020.

This month, staff assembled a new filtration apparatus to process large volumes of MBR filtrate. Staff also installed new piping to reduce detention time from the reverse osmosis (RO) process to the ultraviolet light/advanced oxidation process (UV/AOP) reactor. In addition, staff continued to provide onsite assistance to support corrective maintenance work under the demonstration facility's warranty, including troubleshooting instrumentation, mechanical equipment, and other major process equipment.



Staff installing new piping from the RO process to the UV/AOP reactor at the demonstration facility

WATER SYSTEM OPERATIONS *continued*



Staff preparing for installation of an isolation valve on the return activated sludge line at the demonstration facility

GM STRATEGIC PRIORITY #5: Promote Environmental Stewardship and Sustainability

Objective #1 Manage Power Resources and Energy Use in a Sustainable Manner.

Metropolitan's hydroelectric plants generated an average of 23.5 megawatts, or approximately 16,890 megawatt-hours and \$813,890 in revenue, for the month of May 2020. Metropolitan's solar facilities, totaling 5.4 megawatts of capacity, generated approximately 1,190 megawatt-hours in May 2020.

Objective #2 Protect Source Water Quality.

With the onset of increased sunlight and heat in summer months, cyanobacterial activity increase in source water lakes within Metropolitan's region. An extensive bloom in Diamond Valley Lake resulted in greenish water but no cyanotoxins were detected. A Geosmin-producing cyanobacterial bloom in Silverwood Lake developed early in June. Geosmin is harmless but it can cause an unpleasant taste and odor in water, particularly for sensitive individuals. Staff coordinated with the Department of Water Resources to treat the lake with copper sulfate during the week of June 15 to mitigate this taste-and-odor event. Staff continues to monitor the lakes for cyanobacterial activity and take the appropriate management actions when needed to protect water quality.

GM STRATEGIC PRIORITY #6: Foster Leadership and Strengthen Workforce Capabilities

Objective #1 Manage Vacancies.

WSO filled 6 vacant positions in May 2020.

WATER SYSTEM OPERATIONS *continued*

GM STRATEGIC PRIORITY #6: Foster Leadership and Strengthen Workforce Capabilities

Objective #1 Manage Vacancies.

WSO filled 6 vacant positions in May 2020.

Objective #2 Prepare Employees for New Opportunities.

The Water System Operations Apprentice and Technical Training Programs develop and train personnel to become qualified mechanics and electricians responsible for maintaining Metropolitan's water treatment and distribution systems. Instructors continued to lecture online, allowing students to interact freely and learn remotely. Practical portions of classes resumed in-person in small groups of three to four. During the practical sessions, apprentices completed mid-term and final practical exams while wearing face coverings and practicing social distancing.



Mechanical apprentices during a practical session at the DVL training center

While performing maintenance work at the Skinner plant, staff recognized an opportunity to rebuild the service water pressure relief valve near the Lake Skinner Outlet Conduit ejector cabinet. A mechanical apprentice who was studying these types of valves was assigned to rebuild the relief valve. This work, most commonly referred to as on-the-job training, allowed the apprentice to directly apply what was recently learned through his online and practical training.



Apprentice rebuilding a pressure relief valve at the Skinner plant

WATER SYSTEM OPERATIONS *continued*

GM STRATEGIC PRIORITY #7: Maintain Sound Business Practices and Fiscal Integrity

Objective #1 Ensure Accurate Billing Infrastructure.

Staff responded to a vehicle colliding with the Anaheim A-05 Service Connection meter cabinet and air vent pipe in the city of Anaheim. The vehicle impact damaged the venturi meter lines and vent stacks and sheared off the electrical cabinet at the base. Crews responded quickly to stop the leakage from the meter lines, secured the site, and made temporary repairs to ensure treated water service at the connection would continue. By the following week, staff rebuilt and reinstalled the equipment, and then restored the service connection to normal operation.



Damaged A-05 service connection meter structure in the city of Anaheim



Staff saw cutting sidewalk to repair underground conduits (left) and the completed restoration (right)

WATER SYSTEM OPERATIONS *continued*

Monthly Update as of:

6/30/2020

<u>Reservoir</u>	<u>Current Storage</u>	<u>Percent of Capacity</u>
<i>Colorado River Basin</i>		
Lake Powell	12,805,000	53%
Lake Mead	10,605,000	41%
<i>DWR</i>		
Lake Oroville	2,179,583	61%
Shasta Lake	3,147,174	69%
San Luis Total	1,069,908	53%
San Luis CDWR	794,939	75%
Castaic Lake	304,229	94%
Silverwood Lake	68,224	91%
Lake Perris	123,374	94%
<i>MWD</i>		
DVL	722,979	89%
Lake Mathews	144,841	80%
Lake Skinner	38,962	89%



Hoover Dam

EOM Reservoir Report



Metropolitan’s Mission is to provide its service area with adequate and reliable supplies of high-quality water to meet present and future needs in an environmentally and economically responsible way.

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