



THE METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA

GENERAL MANAGER'S MONTHLY ACTIVITY REPORT JANUARY 2015

January 31, 2015

This report identifies the actions and activities taking place during the month that support the objectives of the General Manager's Fiscal Year 2014/15 Business Plan.

Content by Group:

BAY-DELTA INITIATIVES	2
BUSINESS TECHNOLOGY	3-5
CHIEF FINANCIAL OFFICER	5-6
ENGINEERING SERVICES	7-9
EXTERNAL AFFAIRS	10-12
HUMAN RESOURCES	13
REAL PROPERTY DEVELOPMENT & MANAGEMENT	14
WATER RESOURCE MANAGEMENT	15
WATER SUPPLY CONDITIONS	16
WATER SYSTEM OPERATIONS	17-21

Midyear Update General Manager's Business Plan

An update was provided to the Board of Directors' Executive Committee on January 27. Below is a summary of some accomplishments for the first half of Fiscal Year 2014/15. Individual activities may be found in these monthly written reports.

Strategic Priority: Complete BDCP and Associated EIR/EIS

Complete EIR and necessary financing agreements

- Draft EIR/EIS comment period concluded, July 2014
- Bay Delta Conveyance Facility; Affordability and Financing Considerations study released, November 2014.

Early action habitat projects / modeling

- New methodology to calculate Delta Smelt Incidental Take Level accepted by U.S. Fish and Wildlife Service for 2015

Delta Flood Emergency Preparedness, Response and Recovery Plan

- Comments on draft submitted, July 2014

Strategic Priority: Develop Water Supplies and Manage Water Reserves

- Use of 1.1 million acre-feet of storage in Calendar Year 2014
- Colorado River Aqueduct operated 8-pump flow
- Modified system to deliver Colorado River water further west.
- Approved adjustments to Water Supply Allocation Plan, December 2014
- Authorized \$40 million increase for conservation incentives, December 2014

Strategic Priority: Educate Public and Stakeholders on Water Supply Issues

- Completed advertising campaign with targeted outreach on drought, Bay Delta Conservation Plan, State Water Bond, and Colorado River.

Strategic Priority: Employee Development

Prepare workforce for future and manage expected increase in retirements with following:

- Held Management Forum, July 2014
- Aligned training to the needs of each Group
- Customized employee training for future promotional opportunities
- Hired employee will cross-train with current employee before he/she retires

Strategic Priority: Local Projects and Integrated Resources Plan Updates

Adopt improvements to LRP and Conservation Programs

- Authorized refinements to LRP, October 2014
- Record numbers for participation in conservation program

BAY DELTA INITIATIVES

CORE: BAY DELTA SOLUTIONS

Develop near- and long-term solutions that enhance the Delta ecosystem, improve water supply reliability, and protect water quality.

Develop near-term measures, compatible with a long-term Delta solution, to improve water supply reliability and water quality, and facilitate protection and enhancement of Delta ecosystems and associated species.

Delta Independent Science Board—The Delta Independent Science Board (ISB) is required under the Delta Reform Act to conduct program reviews every four years, and they are currently conducting reviews on the following thematic areas: (1) fish, flows and other stressors; (2) adaptive management; (3) Delta levees and Delta as place; (4) water quality; and (5) water supply reliability. The ISB met on January 15, and one of the items discussed was an outline for the ISB program review report addressing fish, flows and other stressors. The primary objective of this report is to improve understanding, scientific collaboration, and communication about the relationships among fishes, flows and stressors. The ISB's initial recommendations include less reliance on correlation studies alone and more reliance on the development of mechanistic models that focus on essential fish production processes (e.g., growth, reproduction, mortality and migrations). The ISB also recommended less emphasis on large-scale flow experiments, and a broadened species focus beyond salmon and smelt. The ISB is expecting to have a draft report available in March 2015. Staff will continue to participate in this process and will review and prepare comments on the report once it is available.

Science Activities—On January 7, the journal *Estuaries and Coasts* published a paper coauthored by David Fullerton of the Bay Delta Initiatives staff on technical work undertaken by Metropolitan. The article is titled, *Comments on Feyrer et al. Modeling the Effects of Future Outflow on the Abiotic Habitat of an Imperiled Estuarine Fish* and concludes that Delta smelt distribution can be described by geographical location as well as or better than by salinity.

The U.S. Fish and Wildlife Service and DWR are proposing to develop a Delta research station as a two-facility complex that would be built in a central location in northern California to consolidate ongoing federal and state scientific

research throughout the Bay-Delta region. Staff provided input to the initial environmental planning stages of the proposed Delta Research Station. The USFWS and DWR are responsible for evaluating the environmental impacts from the construction of the proposed facility. A letter of support for the proposal was sent on January 9, 2015, which also included Metropolitan's policies on relying on the best available science in furthering the co-equal goals.

Ensure that Delta emergency response measures are implemented, including actions to develop a fresh water pathway after a major emergency event in the Delta.

Delta Flood Emergency Management Plan—A DWR department-wide exercise will be conducted in April 2015 to evaluate response to Delta levee failures resulting from a major earthquake on the Hayward fault. The exercise will complement recent exercises focusing on flood-initiated emergencies. DWR has advised that interagency review comments to the Delta Flood Emergency Management Plan (Flood Plan), along with results of the April 2015 Delta emergency exercises, will be incorporated into the Flood Plan by mid-2015.

In 2015, a construction contract will be awarded by DWR at the Stockton storage site to augment rock stockpiles, build all-weather access and a major warehouse, and recondition two existing warehouses. A temporary barge loading and off-loading facility is available at the Stockton storage site, but will be replaced by a permanent facility in 2016. At the Rio Vista storage site, a contract will be awarded in 2015 to augment rock stockpiles, and build loading ramps and all-weather access. Grant programs to local and county emergency response agencies are focusing on emergency planning, communications, and training.

BUSINESS TECHNOLOGY

CORE: BUSINESS PROCESSES AND INFORMATION TECHNOLOGY

Advance continuous business process improvements to improve effectiveness and efficiency while striving for innovation, flexibility, and integration with technology.

Implement innovative solutions for customers that will positively impact their business operations through improved quality, speed, simplicity, and cost improvements.

Digital Signature Application—The pilot program for the use of digital signatures will continue into March 2015. Staff has begun developing a plan to expand the use of digital signatures to other areas throughout Metropolitan.

Mobile Device Management—Staff continues to test the application to connect to and approve EForms on mobile devices.

Upgrade and refurbish Information Technology applications and infrastructure to ensure system reliability and performance levels that meet customer needs.

Oracle 12 eBusiness Suite—IT staff is working with consultants to perform an analysis for the current and proposed states of the Oracle Financial Suite.

Hiram Wadsworth Pumping Plant—Staff reviewed the consultant's design submittal for replacement and upgrade of the control and electrical protection systems at the Hiram Wadsworth Pumping Plant and provided comments to ensure that Metropolitan standards are met.

Maximo Upgrade—IT staff is working with Water System Operations to upgrade the Maximo System. The successful upgrade has the following benefits: software currency, vendor support and platform for cross application integration.

Efficiently maintain and operate Metropolitan's Headquarters building, the Diamond Valley Lake Visitor Center, and the Diamond Valley Lake Education Center.

Metropolitan Headquarters Central Plant Controls—Staff is developing an installation schedule to upgrade the controls of the building's heating, ventilating and air-conditioning system to the new BacNet protocol, allowing more reliable and faster communication between building systems. The project is scheduled to be complete in June 2015.

Foster a culture of innovation.

H2O TechConnect Community

On January 12, staff partnered with The Energy Network and presented an overview of the Energy Nexus Pilot Program and a preliminary embedded energy data analysis review to staff. The pilot program included the following topics:

- *Opportunity Cost Analysis: Embedded Energy Initiative*—Evaluation of energy savings potential of Metropolitan's 2010-2012 water rebates utilizing energy intensity of regional water supplies.
- *Opportunity Cost Analysis: Ten Comprehensive Water and Energy Efficiency Retrofit Projects*—Participants included ten schools in Ventura and Conejo Valley Unified School Districts.
- *Individual-level Targeted Marketing*—Predictive analytics to increase customer participation in high efficiency clothes washers and turf removal rebate programs.

The final results of the Water Energy Nexus Pilot Program will be submitted to the California Public Utilities Commission mid-February.

Staff hosted user group meetings on PlanetBids and NETConnect Systems and developed new shared platforms for Business 2 Business (B2B) resources through social networking. Recent user group meetings included:

- Port of Long Beach, city of Long Beach, MetroLink and PlanetBids to adopt uniform small business certification procedures and processes.
- California B2B Alliance, where staff introduced the group to a shared platform B2B ConnectR which is similar to Metropolitan's H2O TechConnect that would help vendors find bidding partners; resources; and access a network of small businesses, government agencies, public-private partnerships, foundations, and corporations using a social networking platform.

BUSINESS TECHNOLOGY

CORE: BUSINESS PROCESSES AND INFORMATION TECHNOLOGY continued....

Continue innovative sustainability efforts in business practices, including Spring Green, Our Legacy Newsletter, the rideshare program, energy conservation and recycling efforts.

Our Legacy E-Newsletter—A “Green Smarts Quiz” was distributed to all employees as the Our Legacy newsletter for the third quarter of the current fiscal year. The electronic quiz is a review of water, energy and recycling facts that were covered in the 2013 and 2014 issues.

Spring Green Expo 2015—Preparations for the Spring Green Expo, scheduled for April 30, 2015, are in full swing. January activities included:

- Staff redesigned the Expo website for full compatibility from mobile devices (smart phones, tablets, etc.). The website went “live” on January 9, 2015.
- Staff completed a video for student recruitment that features many of the student exhibits Metropolitan has showcased at prior events; interviews with the General Manager, Chief Administrative Officer and past student participants; and information on how to register for the event.
- Vendor registration opened on January 9, 2015, and more than a third of the available exhibit spaces were requested within the first 48 hours.
- Student registration for the Eco Innovators’ Showcase opened on January 12, 2015, and early response from professors has been positive.

Metropolitan’s Rideshare Program—Rideshare participation for the second quarter averaged 37.1 percent, which equals approximately 681 employees actively participating in the program. This level of participation is a strong indicator that Metropolitan will meet the Average Vehicle Ridership, mandated under Rule 2202 by the South Coast Air Quality Management District for the Los Angeles and La Verne facilities.

Seek fair and equitable contract agreements with Member Agencies, federal, and state governments to maintain a long term sustainable wholesale water resource to Southern California.

Annexations

- On January 13, Metropolitan’s Board adopted a resolution granting approval for the 104th Fringe Area Annexation to Eastern Municipal Water District.
- Staff met with Local Agency Formation Commission, San Bernardino to coordinate the multi-agency processes to align the boundary of the City of Fontana, Inland Empire Utilities Agency and Metropolitan.
- The Board approved the Campus Park West Annexation concurrently with San Diego County Water Authority establishing Metropolitan’s terms and conditions for the annexation, and conditioned upon:
 - * Approval by San Diego County’s Local Agency Formation Commission;
 - * Receipt of annexation fee of \$454,530.12; and
 - * Approval of San Diego County Water Authority’s Statement of Compliance with the current Water Use Efficiency Guidelines and imposition of Metropolitan’s water standby charge and ad valorem tax.

Implement Business Technology’s comprehensive workforce succession planning and employee development programs.

Business Technology Group’s Workforce Skills Assessment

- Administrative Services staff have completed more than 40 percent of the training identified for FY2014/15 intended to close workforce skill gaps.
- Business Technology Group sponsored its last forum in January 2015 for the Administrative Assistant and Analyst Development Program. The program has transitioned to the Human Resources Group, who will continue to develop the program and expand to other areas of the organization.

BUSINESS TECHNOLOGY

CORE: BUSINESS PROCESSES AND INFORMATION TECHNOLOGY *continued...*

Maintain an effective Business Outreach Program for regional, small businesses and veterans to ensure broad participation and competitive costs.

Metropolitan conducted workshops, participated in conferences, expos, and panel discussions, and introduced over 1,200 businesses to opportunities at Metropolitan. Some of the events covered were:

- Metropolitan Board members, member agency board members, executive and business outreach staff supported San Diego County at their *Regional Chamber of Commerce 144th Anniversary Celebration*.
- Southwest Water and Energy Consortium, Los Angeles
- The Energy Network, Los Angeles – *Public Agencies Taking Action to Save Energy – Water-Energy Nexus* in partnership with the county of Los Angeles and the California Public Utilities Commission.
- Regional Black Chamber San Fernando Valley Networking Mixer.
- Orange County Venture Capital Association Networking.
- National Association of Women Business Owners San Diego.
- National Association of Women Business Owners Ventura County.

On January 22, staff represented Metropolitan on a panel of judges at the 15th Annual State Agency Recognition Awards hosted by the Department of General Services. The SARA Awards honor state departments for outstanding achievement in advocating for and contracting with small business and Disabled Veteran Business Enterprises.

Metropolitan also participated in the Connecting Point Expo and Conference sponsored by the California Small Business Association and the California Disabled Veteran Business Enterprises Alliance. The purpose of the expo was to introduce small and DVBE businesses to procurement officials.

CHIEF FINANCIAL OFFICER

CFO PRIORITY: SUCCESSION PLANNING

Focus on planning, management, and employee development to ensure continuity of duties and services. Work to ensure that employees and managers are prepared to effectively carry out their roles as a result of changes in workplace business needs, technologies and increased retirements.

Manage succession in preparation for anticipated retirements.

The Finance Training Program continued in January with a Business Writing class.

CFO PRIORITY: BUSINESS CONTINUITY

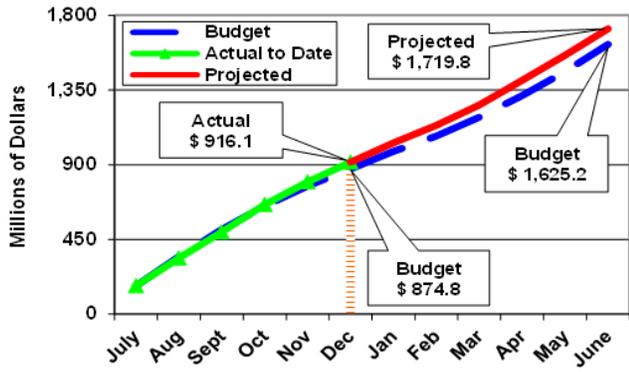
Facilitate district-wide planning and training to prepare employees and managers to effectively carry out critical roles and functions thus ensuring continuity of operations in the event of a disaster.

Staff completed evaluation of responses to an initial set of questions from potential suppliers of a Business Continuity Management tool to guide development and maintenance of the Business Continuity Plan. Finalists have been invited to demonstrate their BC Management tool for further consideration and final selection in February. The BC Plan template was revised to conform to Federal Emergency Management Agency standards. The revised template will be used in the upcoming BC Plan update effort scheduled for completion by August.

CHIEF FINANCIAL OFFICER

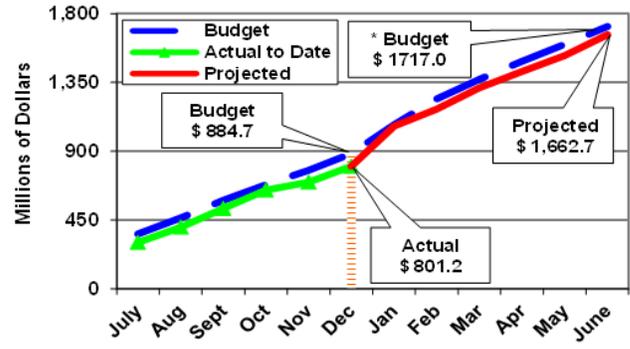
FINANCIAL SUMMARY AS OF DECEMBER 31, 2014

Revenues are expected to be \$95 million over budget at year end, mainly due to higher water sales.



Excludes bond construction and other trust funds activity

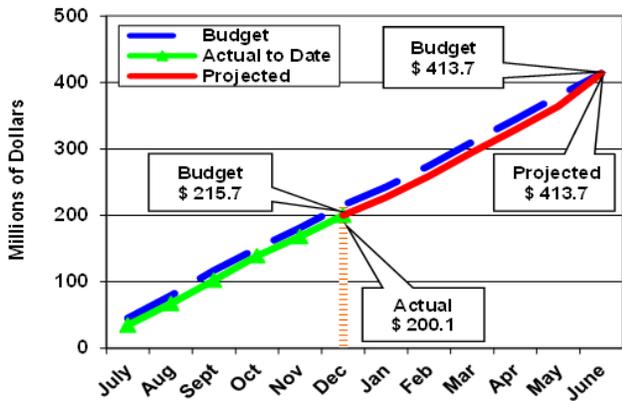
Expenses are expected to be \$54 million lower than budget by year end, mainly due to lower SWC and debt service costs, partially offset by higher demand management and CRA power costs.



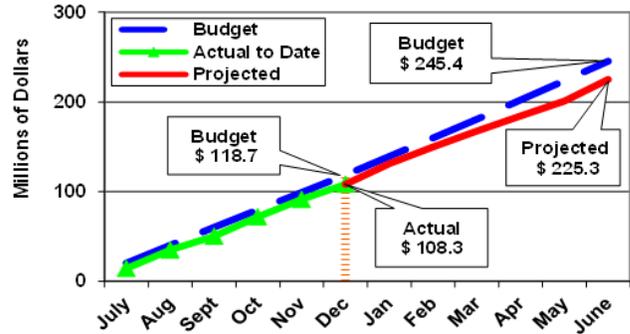
Excludes bond construction and other trust funds activity

* Includes \$17.6M and \$61.8M Board-approved increase for Water Supply Programs and Conservation, respectively.

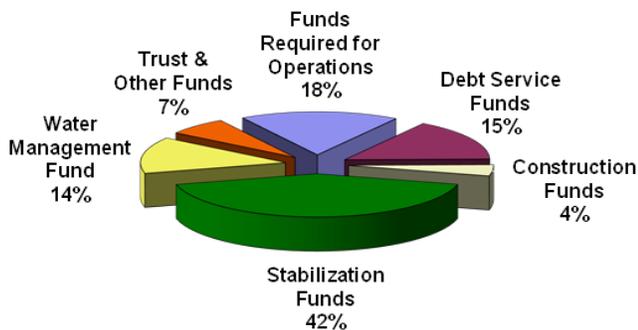
O&M expenses are expected to be on budget at year end.



The YTD construction variance is primarily due to slow responses from DSOD on the plans for refurbishing the Palos Verdes Reservoir cover, liner, and outlet tower; and lower than planned progress payments on several construction contracts.



Cash and Investments at Fair Value \$ 1,585.0 million



Summary Financial Statistics

	Target	Year-End Projected
Fixed Charge Coverage	≥ 1.20 x	2.14 x
Revenue Debt Service Coverage	> 2.00 x	2.62 x
Revenue Bond Debt / Equity Ratio	< 100.0%	57.9%

Credit Ratings

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

ENGINEERING SERVICES

CORE: INFRASTRUCTURE RELIABILITY

Manage Board-authorized projects in the Capital Investment Plan and collaborate with the Water System Operations Group to identify and address system vulnerabilities to ensure reliability of the region's water treatment and delivery infrastructure. In addition, coordinate closely with WSO to integrate project planning and facility assessment efforts with near-term actions and planned shutdowns.

Manage and complete Board-authorized projects within the 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:

- Orange County Feeder Relining—This project replaces the deteriorated internal lining along an 11-mile portion of the Orange County Feeder within the cities of Santa Ana, Costa Mesa, and Newport Beach. Final design for Phases 1 and 2 is 15 percent complete and is scheduled to be complete by June 2015. Final Design for Phase 3 is scheduled to be complete by June 2016.
- Etiwanda Hydroelectric Plant Rehabilitation—This project rehabilitates two deteriorated needle valves and coats the internal components of the turbine at the Etiwanda Hydroelectric plant. Construction was completed in January 2015.
- Lakeview Pipeline/Inland Feeder Intertie—This drought-response project constructs an intertie from the Inland Feeder to the Lakeview Pipeline so that water stored in Diamond Valley Lake can serve as a backup supply for the Mills plant. The work is being completed in two phases. Phase 1, which included construction of the intertie at the PC-1 pressure control structure and installation of a surge protection system at the Perris Pumpback Facility, is complete. Phase 2 includes installation of a steel liner for a one-mile length of the Bernasconi Tunnel. Phase 2 is 70 percent complete and is scheduled to be complete by March 2015, three months ahead of schedule.
- Greg Avenue Pump Station Rehabilitation—This drought-response project will improve reliability of the Greg Avenue Pump Station by replacing the existing pump and pump/turbine and by upgrading the electrical and control systems. Final design is 45 percent complete and is scheduled to be complete by September 2015.

Water Quality/Oxidation Retrofit Program

This program adds ozonation facilities which reduce disinfection by-products and improve water quality at Metropolitan's five water treatment plants. Recent activities include the following:

Weymouth Oxidation Retrofit Project

- Main ORP Facilities—The Weymouth plant is the final facility to be upgraded under the ORP. Construction of the ozonation system is 68 percent complete and is scheduled to be complete by late 2016.
- Weymouth ORP Chemical Facilities—These chemical systems are needed for integration of the upcoming ozonation system into the Weymouth plant's treatment process. Final design of the sulfuric acid system is complete. Final design of the hypochlorite facilities is 95 percent complete and is scheduled to be complete by April 2015.

Diemer Oxidation Retrofit Project

- Diemer ORP—The final Board action for the Diemer ORP is scheduled for March 2015. Staff will request award of a construction contract for re-vegetation of the Diemer plant's south-facing slope. Additionally, authorization will be requested for Metropolitan workforce to complete the ORP activities.



Weymouth ORP – Ozone generator cooling water piping

ENGINEERING SERVICES

CORE: INFRASTRUCTURE RELIABILITY continued.....

Right of Way and Infrastructure Protection Program

This program performs needed site improvements within the distribution system such as erosion protection for pipelines and access roads. It also addresses right-of-way issues such as access easements and third-party encroachments, and obtains long-term programmatic environmental permits to cover the entire conveyance and distribution system. Recent activity includes:

- Orange County and Western San Bernardino County Operating Regions—Final design of improvements is 20 percent complete and is scheduled to be complete by December 2015. Identification and final determination of additional right of way in support of the design improvements is 70 percent complete and is scheduled to be complete by April 2015. The draft Environmental Impact Report for the Orange County operating region is 85 percent complete and is scheduled to be released for public review and comment by March 2015.
- Los Angeles County Operating Region—Preliminary design of improvements is 15 percent complete and is scheduled to be complete by August 2015.
- Riverside/San Diego County Operating Region—Preliminary design of improvements is scheduled to begin in March 2015.

Treatment Plant Reliability Program

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

Weymouth Plant

- Washwater Reclamation Plant Upgrades—This project replaces deteriorated equipment in the Weymouth plant's washwater reclamation plant. Construction is 92 percent complete and is scheduled to be complete by June 2015.
- Filter Building Seismic Upgrades—This project strengthens Filter Building Nos. 1 and 2 in order to withstand a major seismic event. Construction was completed in January 2015.
- East Washwater Tank Seismic Upgrades—This project upgrades the Weymouth plant's east washwater tank to improve its ability to withstand a major seismic event. Construction is three percent complete and is scheduled to be complete by October 2015.

Colorado River Aqueduct (CRA) Reliability Program

This program maintains the reliability of Metropolitan's Colorado River Aqueduct delivery system. Recent activities include the following:

- CRA Over-Current Relay Replacement—This project replaces over-current relays at Intake and Gene Pumping Plants. These relays protect transmission lines and pump equipment from fault currents. Final design is complete.
- Mile 12 Flow and Chlorine Monitoring Station Upgrades—This project replaces the existing flow meters with new ultrasonic meters from an underground manhole structure to a new above-ground building at Mile 12 along the CRA. Construction is 10 percent complete and is scheduled to be complete by September 2015.
- Whitewater Siphon Protection—This project improves control structures that protect the CRA's Whitewater Siphons from erosion by the Whitewater River. Final design is 75 percent complete and is scheduled to be complete by April 2015.

Diemer Plant

- Electrical Upgrades, Stage 2—This project replaces electrical equipment, improves backup capability, and upgrades the Diemer plant's electrical system to be consistent with current codes and industry practices. Construction is 45 percent complete and is scheduled to be complete by March 2016. *(see photo page 9)*
- Yorba Linda Power Plant Turbine Replacement—This project at the Diemer plant replaces the existing Pelton wheel turbine with a Francis turbine capable of operating under post-ORP hydraulic conditions. Manufacture of the turbine generator is complete and the equipment has been delivered to the site. Construction is 60 percent complete and is scheduled to be complete by August 2015. *(see photo page 9)*

Mills Plant

- Electrical Upgrades, Stage 1—This project replaces electrical equipment, provides backup in the event of component failures, and upgrades the electrical system to be consistent with current codes and industry practices. Final design is 95 percent complete and is scheduled to be complete by May 2015.

ENGINEERING SERVICES

CORE: INFRASTRUCTURE RELIABILITY continued....

Treatment Plant Reliability Program continued....

Jensen Plant

- Electrical Upgrades, Stage 1—This project replaces electrical equipment, provides backup in the event of component failures, and upgrades the electrical system to be consistent with current codes and industry practices. Final design is 78 percent complete and is scheduled to be complete by October 2015. Replacement of the UPC-7 Reliability Upgrade is 90 percent complete and is scheduled to be complete by February 2015.
- Module No. 1 Filter Surface Wash Upgrades—This project replaces the existing surface wash system with a new fixed nozzle system. During filter backwashing, the top surface of a filter bed is sprayed with water to break the solids that build up during the filtration process. Construction is 92 percent complete and is scheduled to be complete by March 2015.
- Washwater Tank Seismic Upgrades—This project upgrades two washwater tanks to increase their capability to withstand a major earthquake. Construction is 45 percent complete and is scheduled to be complete by April 2015.
- Jensen Solids Transfer System—This project enables Metropolitan to use four solids lagoons on the grounds of the Los Angeles Aqueduct Filtration Plant. The initial construction contract is installing 7,600 feet of solids transfer piping and a utility crossing structure across Bull Creek Channel. Construction is 45 percent complete and is scheduled to be complete by May 2015.
- LADWP Lagoon Refurbishment—This project rehabilitates four Los Angeles Department of Water and Power lagoons that will be used by Metropolitan. Final design is complete, and a construction contract was awarded by the Board in January 2015.

Skinner Plant

- Solids Handling Area Improvements—This project replaces an existing bridge crane, constructs a concrete containment pad, replaces existing asphalt pavement around the belt press building, and improves drainage. Construction is 25 percent complete and is scheduled to be complete by May 2015.



Diemer Electrical Upgrades, Stage 2: Formwork and conduits for new electrical switchgear



Yorba Linda Power Plant Turbine Replacement: Generator stator

EXTERNAL AFFAIRS

STRATEGIC PRIORITY: EDUCATE THE PUBLIC AND STAKEHOLDERS ON CRITICAL WATER SUPPLY CONDITIONS AND CRITICAL WATER MANAGEMENT DECISIONS

External Affairs efforts will focus on educating the public, legislative leaders, government officials, non-governmental organizations, and other stakeholders on critical water supply conditions and critical water management decisions.

Expand and enhance Metropolitan's outreach to key stakeholder groups in Southern California, statewide, nationally and internationally in support of strategic priorities.

- On January 15, Metropolitan's Chief Operating Officer Man addressed more than 200 attendees at the Building Industry Association of Southern California Los Angeles and Ventura Counties Chapters' annual Water and Energy Summit, held at the Sportsmen's Lodge in Studio City. Man provided an update on the historic statewide drought and current water supply conditions. Later, Bill McDonnell, Water Use Efficiency Manager for Metropolitan, spoke about Metropolitan's rebates and programs.
- On January 20, staff presented a water supply update and an overview of Metropolitan's innovation and technology partnerships to the Cleantech San Diego Board of Directors.
- On January 21, staff presented a water supply update and overview of Metropolitan and regional water issues to the Coronado Rotary Club, which is the second largest rotary club in San Diego County.

Inform Southern Californians about the drought/water supply conditions and how they can help improve water supply reliability through conservation actions and support for water supply projects.

- Metropolitan tweets daily about conservation tips and resources using the @Bewaterwise2o Twitter handle. The Bewaterwise.com® website had nearly 16,000 unique visitors in December.
- On January 19, staff presented a water supply update and overview of Metropolitan and regional water issues for the Democratic Club of La Mirada/Whittier.
- On January 22, staff briefed the Building Industry Association of Southern California Government Affairs Committee on the statewide drought and water supply conditions for 2015.
- On January 28, staff presented a water supply update and overview of Metropolitan and regional water issues for the Fullerton Rotary Club.

EXTERNAL AFFAIRS

CORE: LEGISLATIVE, COMMUNICATIONS AND COMMUNITY RELATIONS

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.

Develop and implement local, state, and federal water policy and legislative strategies consistent with Board-adopted policies.

FEDERAL

On January 20-22, Chairman Record, Vice Chair Ackerman, General Manager Kightlinger and staff, met in Washington, D.C. to discuss legislative and regulatory issues related to Metropolitan's water supply program with key Members of Congress and Administration officials, including Senators Dianne Feinstein, Lisa Murkowski, and Jeff Flake; and Representatives Mimi Walters, Rob Bishop, Don Young, Adam Schiff, Kevin McCarthy, Grace Napolitano, and Ken Calvert; and Deputy Secretary of the U.S. Department of Interior Mike Connor. *(see photo below)*

STATE

On January 5, Governor Jerry Brown was sworn into office for his fourth and final term. His 23-minute inaugural address called for sweeping changes to fight climate change and renewed spending on the state's aging infrastructure. He thanked voters for passing Propositions 1 and 2, the 2014 Water Bond and Rainy Day Fund measure approved by 70 percent of Californians who cast their vote last November.

On January 9, Governor Brown released his 2015/16 state budget plan to the Legislature. The plan includes \$1.7 billion, including funding from Props. 1 and 1E, to implement California's Water Action Plan released in January 2014. The Plan is an articulation of actions Administration is committed to completing. At the core of the Plan are ten actions and associated sub-actions designed to support three overarching goals: restoration, resilience and reliability.

The Governor has recommended that the first \$532 million of Prop. 1 funds be used to advance his five-year roadmap towards sustainable water management. He has also proposed that \$115 million be available for drought relief if dry conditions persist. Funding could be available to expedite water transfers, continue enforcement of drought-related water rights and water curtailment actions and to carry out critical state operations such as fish rescues, hatchery options and fish and wildlife monitoring.

The budget release is the initial step in state budget process, a process that will culminate on June 15, the date the Legislature is required to pass and submit a budget bill to the Governor for his signature or veto. Between now and June, Senate and Assembly budget committees will conduct weekly hearings to discuss items in the Governor's budget plan.

Chairman Randy Record and GM Jeffrey Kightlinger meet with Senate Energy Committee Chair, U.S. Senator Lisa Murkowski (R-Alaska) in the Capitol to discuss solutions to drought in California and the Colorado River Basin states



EXTERNAL AFFAIRS

CORE: LEGISLATIVE, COMMUNICATIONS AND COMMUNITY RELATIONS continue....

Support board member and executive management communications and working relationships with elected officials, other government leaders, business, agriculture, non-governmental organizations, community leaders and other stakeholders to improve awareness and understanding of water policy issues.

- On January 26, Chairman Record, General Manager Kightlinger and staff attended the San Diego Regional Chamber of Commerce's 144th Anniversary Celebration at the San Diego Hilton Bayfront. In attendance were approximately 1,000 local elected officials and business executives from San Diego's leading companies.
- On January 29, members of the Agriculture and Business Outreach Committee, other directors and staff visited Coca Cola's bottling plant in Downey to learn about their sustainability initiatives and state of the art water efficiency equipment.
- On January 29, Directors, General Manager Kightlinger and staff attended the Los Angeles Area Chamber of Commerce's Annual Inaugural Dinner held in Los Angeles. Over 700 business leaders, Congressional Representatives, State Legislators and Local Councilmembers attended the event.

Provide a suite of educational products and programs to educate students about water and foster water stewardship in younger generations.

- There were nearly 3,000 unique visits to the Education website from December 16 – January 15, 2015. The website was updated and includes new video links to YouTube educational videos as well as downloadable curriculum.
- Facilitated school workshops and tours for more than 230 students from the Western Science Center, Harmony, Lisa Mails, and Vail Elementary Schools.
- Staff supported various events/activities providing outreach materials for student events at Wickman Elementary, Hamilton High School, and Bald Mesa Elementary.
- Distributed water curriculum to 130 teachers (including 90 new teachers).

Provide public outreach in coordination with member agencies to increase awareness of water issues and communicate Metropolitan's interests and Board-adopted policies.

MEDIA

- Arranged on-camera interview of Metropolitan's Colorado River Resources Manager Hasencamp with Denver-based Fox National News reporter for a story about how Metropolitan is dealing with prolonged drought in the Colorado River Basin.
- Arranged interview with Hasencamp and Arizona Daily Star reporter for a story about cooperation among the lower basin states to increase conservation and storage.
- Set up interview with Metropolitan's Water System Operations Manager Green and Whittier Daily News reporter to talk about Metropolitan's agreement with Central Basin to deliver replenishment water supplies from the State Water Project.
- Issued press release about new director representing city of Burbank joining Metropolitan's Board of Directors.

ADVERTISING

Radio traffic messages ran until January 11 throughout the Los Angeles-Riverside/ San Bernardino-Oxnard/Ventura and San Diego counties. In addition to English, radio traffic messages were featured in Spanish and Asian languages.

Online search on Google Search and the Google Content Network continued in January. Links to bewaterwise.com appear when keywords such as "water," "California weather," and "water rebates" are searched for by Southern California users.

Support Metropolitan's operations through communication and outreach to various stakeholders (including local government agencies and utilities) regarding water resources; water supply system operations and maintenance; water quality protection and water treatment; infrastructure replacement, refurbishment and development; and emergency management.

Staff provided outreach to communities affected by capital improvement, repair and maintenance projects in Lomita, Rolling Hills Estates, and Los Angeles.

HUMAN RESOURCES

STRATEGIC PRIORITY: EMPLOYEE DEVELOPMENT

Increase cross-training and employee development efforts to meet the challenges of increased retirements due to an aging workforce. Expand recruitment and retention initiatives to keep pace with retirements and to ensure a diverse workforce who is prepared for the future needs of Metropolitan. Define competencies critical to future needs of the organization.

Acquire talent.

Finalized two short-term contracts with supplemental labor vendors to ensure adequate support for operational needs as recruitments are in process, or as additional resources are needed.

Foster learning and organizational development to support development of internal talent pipelines.

- Designed and coordinated a third session of the Water System Operations Management Academy that focused on providing learning opportunities for potential managers.
- Delivered a class on Everyday Business Writing to 12 employees.

Foster management excellence.

- Facilitated a teambuilding workshop for the Controller's Section management team.
- Continuing to support management development through consultations and coaching for three managers.
- New Manager Orientation curriculum was rolled out on January 28 for a new cohort of 10 managers.

CORE: HUMAN RESOURCES EXCELLENCE

Foster Human Resources excellence with innovative and efficient processes that attract, hire and develop the right people with the right skills at the right time; provide management with the tools to swiftly and proactively address employee issues and poor performance; enable cost-effective workforce management together with the tools to continually improve workforce skills, competencies, productivity and customer support.

Ensure Metropolitan is a high-performance workplace with excellent leadership and management practices that engage and empower employees; foster alignment with Metropolitan's business goals; provide the right talent and skills for future business needs; and foster a workplace where employees implement cost-effective processes and programs to deliver outstanding value and customer support.

Control Workers' Compensation Costs.

- Conducted initial investigations on 5 injury incidents.
- Submitted 4 new claims to Metropolitan's workers' compensation claim administrator.
- Settlements were negotiated in 1 claim, finalized in 1 claim, and 8 claim files were closed.
- Conducted MedVan evaluations at Jensen and Diemer facilities.
- Arranged 8 medical evaluations (DMV, medical surveillance, hearing conservation, etc.).
- Coordinated random drug/alcohol tests at 1 facility.
- Addressed 3 accommodation issues.

Maintain compliance and effectiveness in benefit programs.

Continued with the RFP process for the Deferred Compensation plans.

Identify, assess and manage risk.

- The Risk Management Unit completed 45 incident reports communicating instances of Metropolitan property damage, liability, workplace injuries, regulatory visits and spills.
- Risk Management completed 92 risk assessments on contracts, including professional service agreements, construction contracts, entry permits, special events and film permits.

REAL PROPERTY DEVELOPMENT & MANAGEMENT

CORE: REAL PROPERTY ACQUISITION, MANAGEMENT AND REVENUE ENHANCEMENT

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

Implement strategies for right-of-way planning and acquisition support of Bay-Delta Initiatives and infrastructure reliability and protection programs.

- A permanent access easement was acquired in exchange for granting the property owner an encroachment and removal agreement to construct and maintain certain facilities on Metropolitan's existing pipeline easement within West Valley Feeder No. 1.
- An existing entry permit was extended to allow access on the property to Metropolitan's existing adjacent property to perform seismic retrofit repairs for the Upper Feeder.
- Staff completed review of appraisals prepared by an independent appraiser for 11 temporary construction easements needed as part of the Etiwanda Pipeline North Liner Repair project.
- Staff completed review of appraisals prepared by an independent appraiser for properties that may be utilized for increased efficiency of operations at the F. E. Weymouth Water Treatment Plant.

Evaluate additional use and rental of Metropolitan's Headquarters Building.

- Parsons Brinckerhoff, Inc., was granted an eight-month office lease on the third floor low rise at the Metropolitan Headquarters Building.
- A one-day entry permit was issued to Naleo Educational Fund for the use of 200 parking spaces at the Metropolitan Headquarters Building for an event being held at the Union Station train terminal.

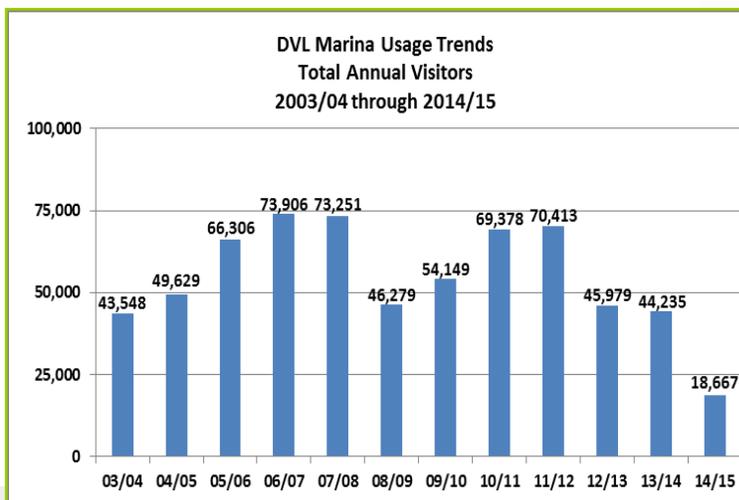
Seek revenue-generating opportunities for real estate assets in several market segments — telecommunications, solar development, film production, and sustainable technology and research.

Turner Broadcasting Systems was issued a four-day permit to film scenes for the television series *The Last Ship*. Filming took place in various areas of the Joseph P. Jensen Water Treatment Plant for use of the Module 2 pipe gallery 7-8 and ozone cooling water strainer room. A gravel lot was also used for the film company's parking, catering and base camp.

Pursue development of the Diamond Valley Lake area, including the DVL Visitor Center and marina facilities, to support recreation, develop additional leasing and revenue opportunities for Metropolitan, and benefit the surrounding community.

- An entry permit was granted to Team Halprin, Inc., to photograph scenes in various areas at the DVL Visitor Center in conjunction with a commercial project.
- A Letter of Consent was issued to the United States Forestry Service to allow intermittent access to Searl Parkway and the DVL Training Center to perform physical and classroom training sessions.
- Staff assisted External Affairs with an on-water tour of Diamond Valley Lake in conjunction with filming for a San Diego television station. The group was researching sources of water for Southern California and effects of the drought for an upcoming report.

In Fiscal Year 2014/15, Metropolitan received \$10,142 through December on the percentage lease with Urban Park Concessionaires for the operation of the DVL Marina, Lakeview Trail, and North Hills Trail. The rent received represents seven percent of the gross receipts. Diamond Valley Lake has hosted 656,000 visitors at its marina facilities, and 154,000 private boats have launched since the 2003 public opening.



Note: Actuals are thru January 2015;
Project 45,000 visitors for FY2014/15

WATER RESOURCE MANAGEMENT

STRATEGIC PRIORITY: LOCAL PROJECTS AND INTEGRATED RESOURCES PLAN UPDATES

Review Local Resources Program and conservation rebate programs during this drought period to review what new actions might be appropriate, learn from this experience as to how to improve Metropolitan programs and work with the public and member agencies on expanding conservation efforts. Metropolitan's IRP was adopted in 2010 and will be updated in 2015 along with the state-required Regional Urban Water Management Plan.

Implement the Local Resources Program.

Local Resource Program Application—Staff posted the revised LRP Application Package on the Metropolitan website. The Application Package provides details on the new program criteria and administration.

Implement the Conservation Program effectively.

IRROMETER Workshop—In January, staff worked to increase awareness and adoption of Metropolitan's conservation programs by presenting at an IRROMETER workshop designed primarily for agricultural interests in the southern and eastern portions of Metropolitan's service area. IRROMETER is an irrigation products manufacturer. Most attendees were owners or growers of avocados and grapes, and the workshop stressed soil moisture monitoring and how to pursue available incentives, including Metropolitan's SoCal Water\$mart rebates and Water Savings Incentive Program funding.

Vintage Report Conference—Staff presented Metropolitan's approaches to water use efficiency at the annual Vintage Report Conference. The conference provided discussions on the latest innovations and scientific advances in viticulture and enology, and climatic and physiological impacts on plants and fruit. One of the conference partners, Fruition Sciences, is currently receiving grant funding from Metropolitan's Innovative Conservation Program to explore plant moisture monitoring as an indicator of plant health and water need.

Ensure cost-effective and reliable imported water supplies.

Colorado River Diversion—The Bureau of Reclamation has approved Metropolitan's diversion of 771,000 acre-feet of Colorado River water in calendar year 2015, and any water unused by other holders of California's apportionment of Colorado River water. If Metropolitan anticipates creating or taking delivery of Intentionally Created Surplus later this year, Metropolitan would submit a revised diversion estimate to Reclamation for approval reflecting such anticipated action.

Water Surplus and Drought Management—Staff provided the Board with a report with detailed accounting of 2014 ending storage reserve conditions, as well as supply/demand balance scenarios for 2015. Staff discussed DWR's latest operations study released on January 2015. This study forms the basis for selecting the State Water Project Allocation. DWR announced an increase to the SWP Allocation to 15 percent consistent with the latest operations study update.

Storage	As of 1/31/15	% of Capacity
DVL	393,913 AF	49
Lake Mathews	78,370 AF	43
Lake Skinner	30,272 AF	69

Useful information:

AF = acre-foot, the volume of water to cover an acre of land, one-foot deep.

Approximately 326,000 gallons of water, serves annual needs of two typical California families.

TAF=thousand acre-feet

MAF=million acre-feet

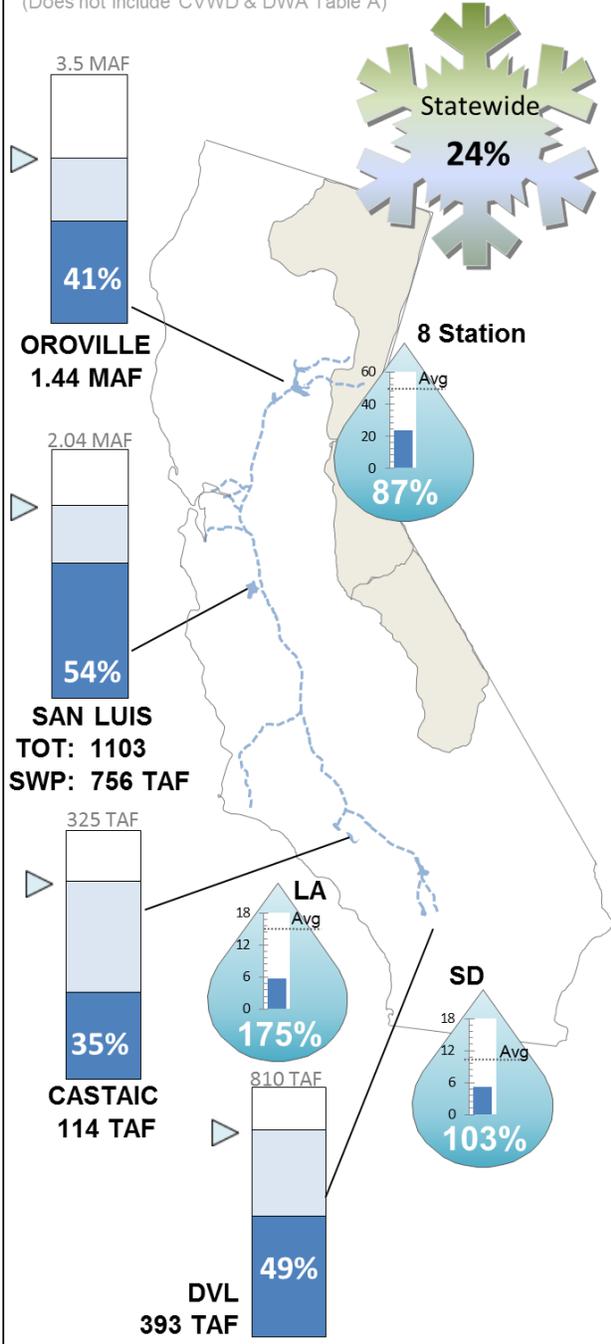
WATER SUPPLY CONDITIONS as of Jan. 31, 2015

2015 SWP Allocation

286,725 AF

15% of Table A

(Does not include CVWD & DWA Table A)

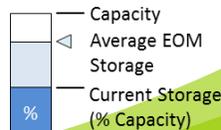
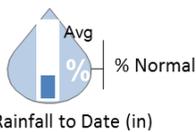
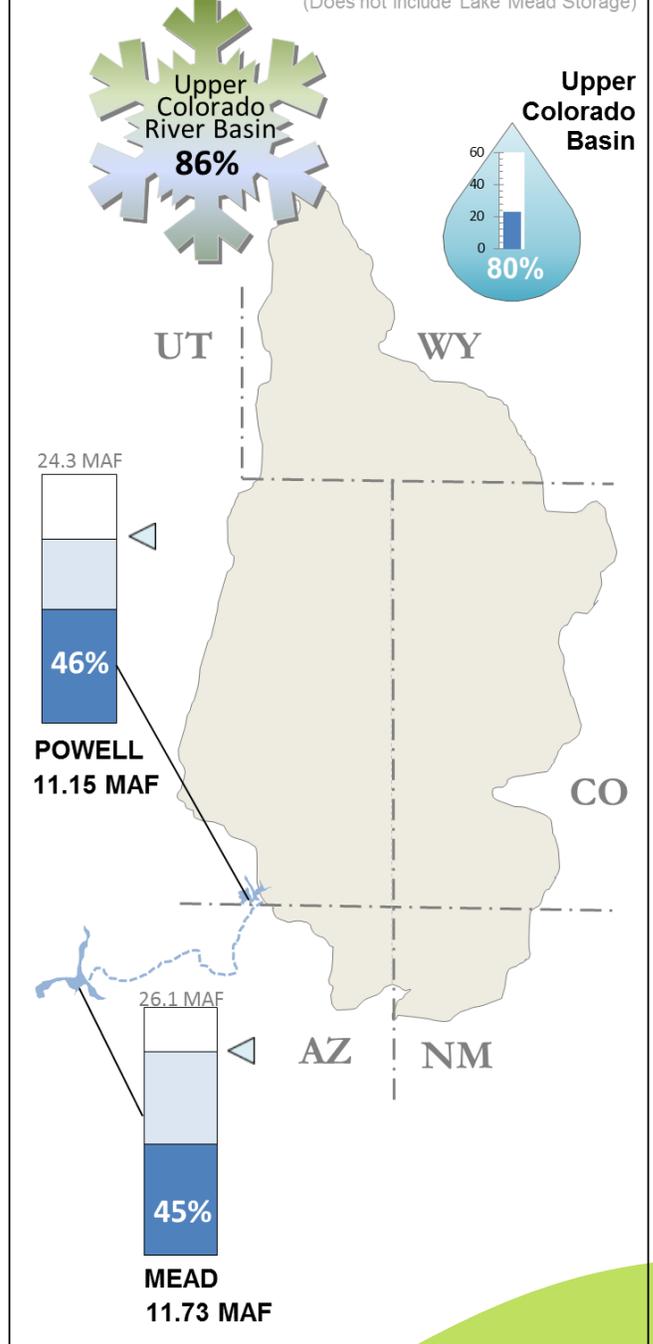


2015 Colorado River

925,000 AF

74% of full CRA

(Does not include Lake Mead Storage)



WATER SYSTEM OPERATIONS

CORE: PROVIDE RELIABLE WATER SUPPLIES

System Operations delivered approximately 126,000 acre-feet of water to meet member agency demands in January, which averaged approximately 4,050 AF per day. This was an increase of about 500 AF per day versus December's deliveries. Treated water deliveries for January totaled 58,500 AF, or 46 percent of total deliveries for the month. In January, 102,200 AF of Colorado River water was pumped as the Colorado River Aqueduct remained on an eight-pump flow. State Water Project imports averaged 1,430 AF per day for 44,300 AF for the month. This was an increase of 4,000 AF from December. System Operations continued the strategy of minimizing the use of SWP water wherever possible. For the month of January, the use of SWP water accounted for 35 percent of Metropolitan's deliveries.

Storage at Diamond Valley Lake held steady at 393,000 AF or 48 percent full. There were no withdrawals from Diamond Valley Lake in January. Inland Feeder deliveries remained suspended in January. SWP blends to the Weymouth, Diemer, and Skinner plants remained at zero percent due to the low initial SWP allocation of 15 percent. The Greg Avenue Pump Station was restarted on January 5 and remained online for the rest of the month. Since March 19, 2014, the pumps at Greg Avenue delivered 30,800 AF of CRA water to the western side of Metropolitan's distribution system. For the month of January, a total of 2,650 AF was pumped from Lake Perris to the Mills plant to meet member agency demands. The Mills plant used Lake Perris water exclusively in January.

System Operations continued to maximize power generation throughout the month. In January, Metropolitan's hydroelectric plants generated an average of 12 megawatts per hour for 9,000 megawatt-hours for the month.

CORE: OPTIMIZE MAINTENANCE

Staff completed three shutdowns in the Western Region of the distribution system in January. The shutdowns included inspection of a section of prestressed concrete cylinder pipe on the Rialto Feeder; removal of obsolete equipment and minor repairs to protect the Palos Verdes Feeder from future corrosion; and removal of a bulkhead on the Santa Monica Feeder to place a relocated portion of the pipeline back into service. In the Eastern Region of Metropolitan's distribution system, staff began the third phase of work on San Diego Pipeline No. 4 that involved inspection of just over eight miles of welded steel pipeline. The inspection was coordinated with the San Diego County Water Authority. The pipeline will be out of service for 10 days at the end of January to allow SDCWA to remove a temporary bulkhead related to a CalTrans project to widen Highway 76.

Staff continued the system-wide coatings program aimed at preventing corrosion and extending the life of pipelines and infrastructure. Projects completed this month included the Greg Ave Pressure Control Structure surge tanks, the slide gates at Live Oak Reservoir, sodium hydroxide feed lines at the Diemer plant, and several substructures on San Diego Pipelines, Nos. 4 and 5. (*see photos below*)



WATER SYSTEM OPERATIONS

CORE: OPTIMIZE MAINTENANCE *continued...*

Staff continued the application of low dosages of sodium hypochlorite for quagga mussel control on the San Diego Canal. Tankers are connected to a mobile chlorinator to inject a prescribed dosage into the canal. This 14-day treatment will eradicate and prevent mussels from attaching to the walls of canal and siphon sections that might otherwise impact the flows. *(see photo right)*



Sodium hypochlorite being delivered to a mobile chemical feed system for aqueduct chlorination

Two-year maintenance was completed at Valley View hydroelectric plant. This work included testing of the electrical protection systems, as well as rebuilding the turbine's air cooler as a result of quagga contamination. Additionally, the La Verne Shops rehabilitated several mechanical components.

Staff continued work on a new unit power center (UPC) at the Jensen plant, which will increase reliability of the electrical system servicing the plant. This month, concrete and paving work were completed for the new UPC, and electrical connections were made. The final tie-in requires an electrical outage which is scheduled for next month, after which time the new unit will be placed into service.

Silt and debris from Live Oak Reservoir were removed and cleanup has been completed. Precautions were taken during the work to protect the reservoir lining from damage. Final cleaning of the reservoir floor and slopes was performed using a mechanical sweeper prior to the reservoir being placed back into service. *(see photos below)*



Staff removing silt and organic material



WATER SYSTEM OPERATIONS

CORE: MANAGE THE POWER SYSTEM

During December, Metropolitan made forward energy purchases to support Colorado River Aqueduct pumping requirements in January 2015. A total of 32,800 megawatt-hours of off-peak energy was purchased for approximately \$1.02 million. Payment for the energy is made after confirmation of delivery.

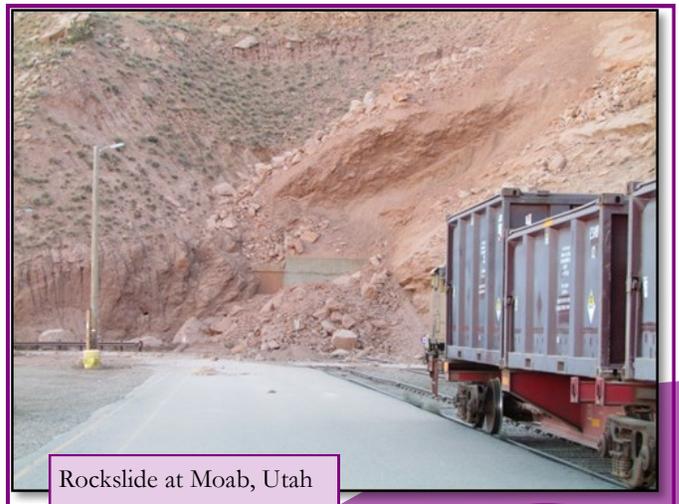
In January, Metropolitan, Southern California Edison, and the Western Area Power Administration, installed and tested new communication and relay equipment on or near the CRA transmission system. The multi-agency work has been in the planning and construction stages for several months and includes a complex high-voltage switching program and coordination with the California Independent System Operator to ensure that the power needs of the agencies and customers are met during the project. The new equipment will provide faster protective actions during faults on the three utilities' transmission circuits that are interconnected to the CRA electric circuits. Metropolitan supported the work by conducting high-voltage switching at its 230kV switch yards located at Camino, Iron Mountain, and Gene. This will increase CRA electrical reliability and assure compliance with regional electric reliability requirements. When complete, the new protection scheme will allow an existing interconnection between Metropolitan and Western to be placed back in service.

CORE: IMPROVE SECURITY AND EMERGENCY RESPONSE

On December 17, staff attended the California Utilities Emergency Association's (CUEA) annual meeting in Sacramento. CUEA members include representatives from private and public utilities throughout the state that collaborate before, during, and after disasters. During emergencies, CUEA provides a direct link for member agencies to the State Operations Center in Sacramento. This type of direct connection is vital to Metropolitan because the process of moving water often requires the use of other electrical and telecommunications utilities. Metropolitan is a founding member of the CUEA and sits on its Board of Directors.

CORE: PROTECT SOURCE WATER QUALITY

Tailings removal resumed at the Moab, Utah uranium mill tailings site in mid-January after a two-month interruption resulting from a major rockslide at the site on November 18, 2014. The rockslide occurred above a rail bench where trucks haul tailings onto railcars for offsite transport and disposal. The rock material has been removed and the U.S. Department of Energy (DOE) is currently evaluating risks of future rockslides and potential mitigation measures. Tailings removal has resumed at a reduced capacity, with full-scale operations anticipated in April 2015. DOE removed over 900,000 tons of tailings in 2014. To date, over 45 percent of the 16-million ton pile has been removed and safely disposed. In January, Metropolitan, through the Lower Colorado River Water Quality Partnership, sent a letter to the Secretary of Energy and Congressional delegation to support continued federal funding for the project in fiscal year 2016.



Rockslide at Moab, Utah

WATER SYSTEM OPERATIONS

CORE: OPTIMIZE WATER TREATMENT AND DISTRIBUTION

State Water Project target blends at the Weymouth, Diemer and Skinner water treatment plants remained at zero percent for January. Flow-weighted running annual averages for total dissolved solids for December 2013 through November 2014 were 601, 601, and 528 mg/L for Weymouth, Diemer and Skinner plants, respectively.

In May 2014, Metropolitan's Board appropriated \$9.4 million and authorized the award of an agreement with Advanced Electronics for an Emergency Radio Communication System. This action authorized an agreement to furnish equipment, conduct pilot tests, and deploy a new radio system that will cover Metropolitan's entire service area. The Weymouth plant was selected as the pilot test site. In September 2014, plant staff began installation of the radio equipment to conduct the pilot test. The project involved pulling a new electrical service, core-drilling concrete, mounting a bi-directional amplifier and backup power supply, and installing 4,500 feet of distributed antenna system (cable), new antennas, and cable couplers. The

installation of this equipment was completed in January and is scheduled to be tested as part of the pilot phase towards the end of the month.

Jensen plant staff completed a project that increased polymer chemical storage by relocating existing equipment and using two abandoned aluminum storage tanks. Liquid cationic polymer is a fundamental water treatment chemical used as part of the conventional filtration process to coagulate suspended solids for removal through settling and filtration. The project included new chemical unloading equipment, piping, pumps and controls along with insulating one of the two 25,000-gallon stainless steel chemical storage tanks. Previously, the Jensen plant had insufficient polymer storage capacity to provide for 14 days of expected use. In addition, the new polymer system provides improved seismic safety.

CORE: ENSURE WATER QUALITY COMPLIANCE, WORKER SAFETY AND ENVIRONMENTAL PROTECTION

Metropolitan complied with all water quality regulations and primary drinking water standards during the month of January 2015.

On January 12, State Water Resources Control Board released the final version of the General Permit for Drinking Water System Discharges (DWS Permits) that was approved on November 18, 2014. The DWS Permit requires drinking water system dischargers/water purveyors to enroll by September 1, 2015. The DWS Permit will replace existing regional board permits and the Los Angeles Municipal Separate Storm Sewer System for drinking water discharges (e.g., dewatering for shutdowns). Staff worked closely with Association of California Water Agencies and American Water Works Association to provide input to the Control Board during the development of this permit to ensure that the requirements could be implemented and would not impede operational and maintenance activities that result in discharges. Staff is reviewing the final permit, preparing a summary for internal distribution, and starting to work on the enrollment submittal.

California Office of Administrative Law approved Cap and Trade (C&T) regulatory amendments on December 31, 2014, and they became effective on January 1, 2015. These amendments provide a limited number of free allowances from the California Air Resources Board (CARB) to Metropolitan as a public wholesale water agency. Metropolitan will be allocated approximately 500,000 allowances in total starting this year and through 2020. Based on recent market prices, these allowances would represent a value of \$6.5 million. Staff submitted numerous comments to CARB on the C&T regulations and also had extensive discussions with CARB staff and their Board members regarding the allocation of these allowances.

WATER SYSTEM OPERATIONS

CORE: DEVELOP WORKFORCE

The Water System Operations Apprentice and Technical Training Programs help develop and train personnel to become qualified electricians and mechanics responsible for maintaining Metropolitan's water treatment and distribution systems. The Class of 2018 Mechanical and Electrical Apprentices began their first period of instruction this month. The primary topics covered were related to health and safety while working in their trades.



Class of 2018 Apprentices
(above)



Tools and safety training class
(left)

CORE: PROVIDE TECHNICAL SUPPORT TO MEMBER AGENCIES

Staff continued meeting with member agencies and retail water agencies to conduct long-range planning for future shutdowns to reline sections of the Second Lower Feeder. These shutdowns are expected to be many months in duration to allow the future lining of miles of the prestressed concrete cylinder pipe portions of the feeder. These meetings feature detailed discussions about Metropolitan's operations and the operations of the member agency and retail agency systems to balance multiple goals, including completing the pipe lining work cost effectively, using operational flexibility to maintain reliability, and tapping into a variety of local resources, such as groundwater and interagency connections, to maintain retail deliveries during the shutdowns. These meetings are essential to support the work needed to allow continued reliable operation of the Second Lower Feeder well into the future, while ensuring that sufficient planning is performed to help meet agency needs during these long shutdowns.

The agreement for Service Connection LB-01D, a new one cubic feet per second service connection on Long Beach Lateral, was executed in December.

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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