

THE METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA



General Manager's Monthly Activity Report for June 2018

June 30, 2018

This report identifies the actions and activities taking place during the month that support the objectives of the General Manager's Fiscal Year 2017/18 Strategic Priorities and the Core Business of the GM's work groups.

Human Resources Employee Development

Cohort 6 of Metropolitan Management University completed its Capstone Course Management Challenge that included an online simulation on management decision-making, coaching, and recognition. Eleven of the 18 attendees completed all the required modules and graduated with their MMU Certificate. *(see photo below)*



MMU – Cohort 6 graduating class with certificates earned for completing all requirements of the six-month program

WSO Management Academy Cohort 3 at Jensen plant learning about the water quality function from Manager Mic Stewart.



Content by Work Group

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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.

ADMINISTRATIVE SERVICES SECTION

CORE BUSINESS: BUSINESS PROCESSES

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

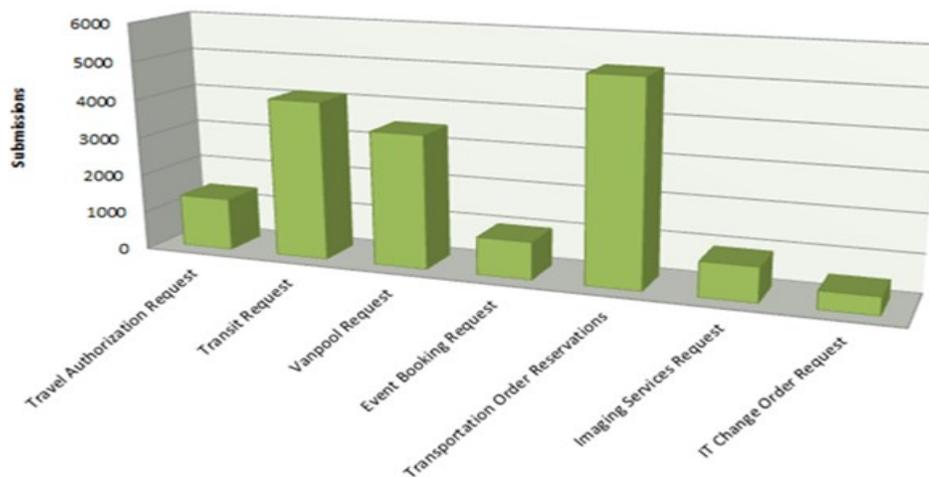
Continue innovative sustainability efforts in business practices including, Spring Green Expo, Our Legacy Newsletter, the rideshare program, energy conservation, and recycling efforts.

The fourth quarter newsletter distributed to employees highlights environmentally friendly tips that can be incorporated into recreational activities this summer. This includes beach and hiking cleanups, eco-friendly outdoor cooking, and environmentally sensitive vacations. The newsletter also shared the effects of plastic and debris pollution in our water and wilderness environments.

Implement innovative solutions that will benefit customers using technology and best business practices that will positively increase collaboration, productivity, and operational efficiency.

- The Procurement Team partnered with key stakeholders to develop an online procurement training guide. This innovative solution will provide convenient online access to instructional information on processing purchase requisitions and releases.
- The Technical Writing Team collaborated with SharePoint developers in the IT Business Applications Team to create Operating Policy Central (OPC). OPC is a SharePoint site that provides a web-based collaborative workspace to develop and revise Metropolitan operating policies. OPC, will provide a central location for policies, enforce version control, track and manage all workflows, and track approvals. Staff will continue to test the new process throughout the next fiscal year to ensure a smooth rollout.
- The Records Management and Imaging Services Team partnered with the Chief Financial Officer’s office to move 70 boxes of records to off-site storage and to destroy of 13 boxes that were past their retention dates. The next phase transitioning agreements from the CFO’s office to Administrative Services will continue in the next fiscal year.
- Analysis on the Power of E-forms. In a one-year span from June 2017 – May 2018, 14,000+ submissions was attributable to just seven E-forms. The graph below is a small sample of the over 200+ electronic forms being accessed.

**E-Form Yearly Usage
June 2017 - May 2018**



	Travel Authorization Request	Transit Request	Vanpool Request	Event Booking Request	Transportation Order Reservations	Imaging Services Request	IT Change Order Request
Series1	1368	4133	3478	977	5246	903	466

ADMINISTRATIVE SERVICES SECTION

CORE BUSINESS: BUSINESS PROCESSES continued...

The Inventory Management Team is responsible for verification of Metropolitan assets, including operating equipment. Verification of Metropolitan assets includes planning, scheduling, and confirming the number of assets through cycle counting. Over the last seven months, the Team performed a cycle count across 18 facilities, resulting in the verification of approximately 4,700 assets with an estimated value of \$13.4 million.

The Procurement Team co-hosted The Industry Day event to connect small businesses with pre-qualified prime contractors for the upcoming Headquarters building retrofit project. Our principal buyers provided valuable information to small business attendees on goods, services, and minor construction.

BAY DELTA INITIATIVES

CORE BUSINESS: BAY DELTA SOLUTIONS

Science Regulatory—Pursue the best scientific research to protect and restore fish, wildlife, and the Delta's ecosystem while ensuring water supply reliability.

Science/Regulatory

Staff continued participating in the Collaborative Science and Adaptive Management Program (CSAMP), including participation on the Collaborative Adaptive Management Team (CAMT). On May 22, staff participated in the CAMT Delta Salmonid Research Workshop. The workshop revolved around a set of management questions that reflect management needs for information. Staff is participating in the CAMT salmon subcommittee, which is currently summarizing information learned at the workshop to present to CAMT and CSAMP. Outcomes from the workshop will be used to prioritize future funding investments in salmon studies and actions.

Emergency Response—Ensure that Delta emergency response measures are implemented, including actions to develop a freshwater pathway after a major emergency event in the Delta.

Emergency Response

DWR continues to develop and refine the Emergency Response Tool (ERT), which is a modeling tool to facilitate the analysis of proposed emergency actions to respond to catastrophic levee failures in the Delta. The ERT now includes a water quality component, which is integral to determining water quality conditions for export resumption following levee failure emergencies. The ERT has the capability to evaluate freshwater conveyance independent of other levee repairs. The ERT analysis shows that short-term Sacramento River and San Joaquin River reservoir releases in conjunction with emergency freshwater pathway development and channel diversions provide limited but early export resumption and increased exports associated with pathway restoration.

DWR and Metropolitan management met in June to discuss the scope and completion schedule for the Delta Flood Emergency Management Plan. DWR Flood Management staff stated that the report will be completed in Fall 2018.

BAY DELTA INITIATIVES

GM STRATEGIC PRIORITY: PURSUE DECISION ON THE STATE'S PROPOSED DELTA IMPROVEMENTS INCLUDING THE CALIFORNIA WATERFIX AND ECORESTORE

Continue providing a leadership role toward completion of financing agreements and associated permits necessary to implement California WaterFix and EcoRestore.

Develop and support collaboration efforts toward the approval of the Proposed Delta Improvements.

California WaterFix

On June 12, the California Department of Water Resources and U.S. Bureau of Reclamation released the Administrative Draft Supplemental Environmental Impact Report/Environmental Impact Statement for the California WaterFix project. The updated environmental document covers the footprint changes resulting from proposed water conveyance facility design modifications that minimize the impacts of the project on local communities and the environment. DWR and USBR are making the administrative draft available on the California WaterFix website. The public Draft Supplemental EIR/EIS is expected to be released in July 2018 for public review and comment. The Final Supplemental EIR/EIS is planned for fall 2018.

The SWRCB proceedings for the California WaterFix Petition for additional point of diversion are ongoing. The evidentiary portion of Part 2 of the hearings, which consider the effects of the proposed project on fish and wildlife, concluded on April 25, 2018. On June 18, the SWRCB issued a notice regarding the schedule for the Part 2 rebuttal phase. The deadline for parties to submit rebuttal testimony and exhibits is July 10, 2018, and the presentation of rebuttal testimony will commence on August 2, 2018. Staff is coordinating with other State Water Project contractor agencies to prepare rebuttal testimony and prepare for the hearings.

CHIEF FINANCIAL OFFICER

CFO PRIORITY: MAINTAIN STRONG FINANCIAL POSITION

Provide innovative and proactive financial analyses, planning, and management services to ensure that forecasted revenues are sufficient to cover planned expenditures and provide a prudent level of reserves consistent with Board policy.

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

The Risk Management Unit completed 53 incident reports communicating instances of Metropolitan property damage, liability, workplace injuries, regulatory visits and spills.

Risk Management completed 66 risk assessments on contracts, including professional service agreements, construction contracts, entry permits, special events and film permits.

CHIEF FINANCIAL OFFICER

CORE BUSINESS: FINANCIAL MANAGEMENT

Manage Metropolitan's finances in an ethical and transparent manner and provide consistent, clear, and timely financial reporting.

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

In June 2018, the Chief Financial Officer's Office issued its report on the effectiveness of internal controls over financial reporting, including information technology controls and security for the fiscal year ended June 30, 2017. This report is the basis for the annual reporting to the Executive Committee on the effectiveness of internal controls pursuant to Administrative Code §2700(b)(2). The Controller reported that no material weaknesses were noted and concluded that the internal controls over financial reporting and information technology security were effective for the fiscal year ended June 30, 2017.

One control deficiency carried over from fiscal year 2015 was noted with corrective action taken in June 2017 as described below:

Deficiency	Risk	Remediation	Completion Date
Periodic reviews of user access to systems are not performed (Oracle, PeopleSoft, and Water Information System).	Users may be granted inappropriate access to data without the data owner's knowledge.	IT security will generate reports on roles of users in the subsystems to be reviewed and updated by data owners on an annual basis.	06-30-2017

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.

In June, Metropolitan priced two competitive bond sales. A refunding sale resulting in an average cost of debt of 1.63 %; a new money sale resulted in an average cost of debt of 2.16%. Both results were much lower than comparable AAA-rated tax exempt debt, and reflected strong investor demand for California tax-exempt bonds. For these transactions, S&P Global Ratings affirmed their highest AAA rating for Metropolitan's senior lien bonds, with a stable outlook. Fitch Ratings affirmed their AA+ rating for Metropolitan's senior lien bonds, with a stable outlook. In addition, Metropolitan closed on two series of senior lien daily reset variable rate bonds and three series of one-year term, SIFMA Index variable rate bonds.

CHIEF FINANCIAL OFFICER

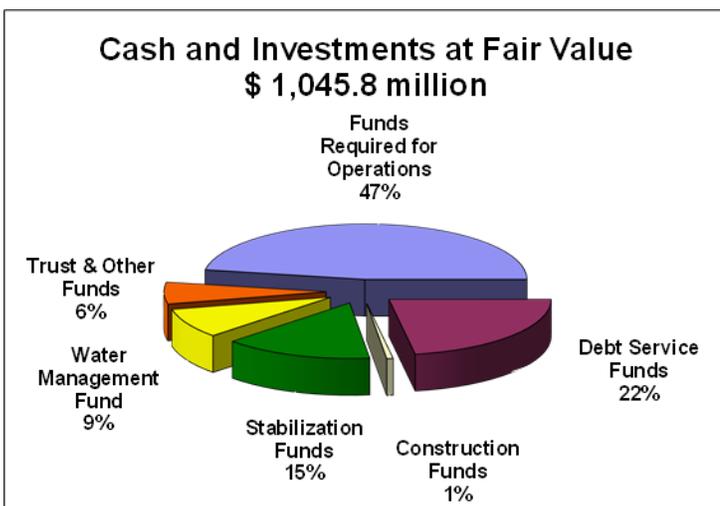
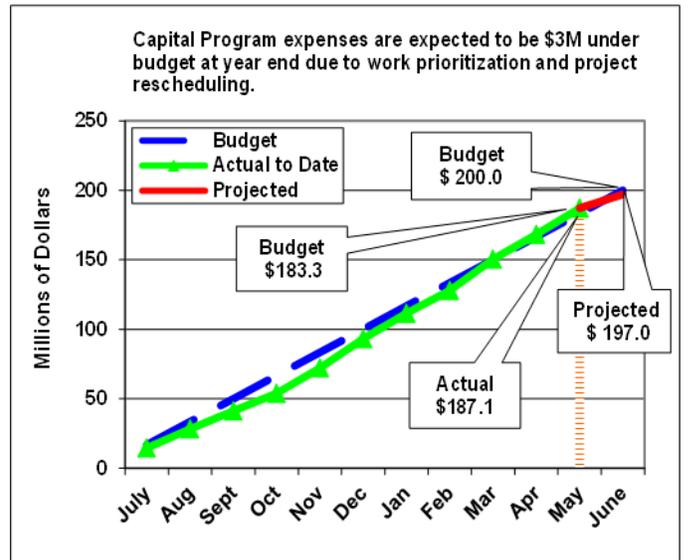
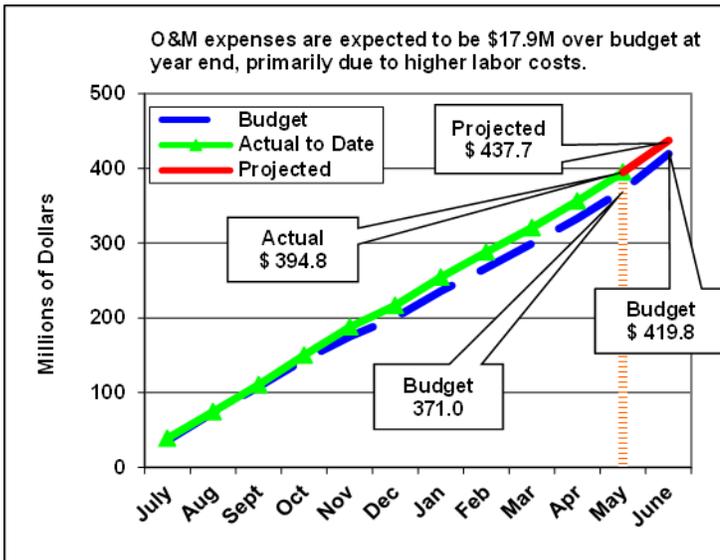
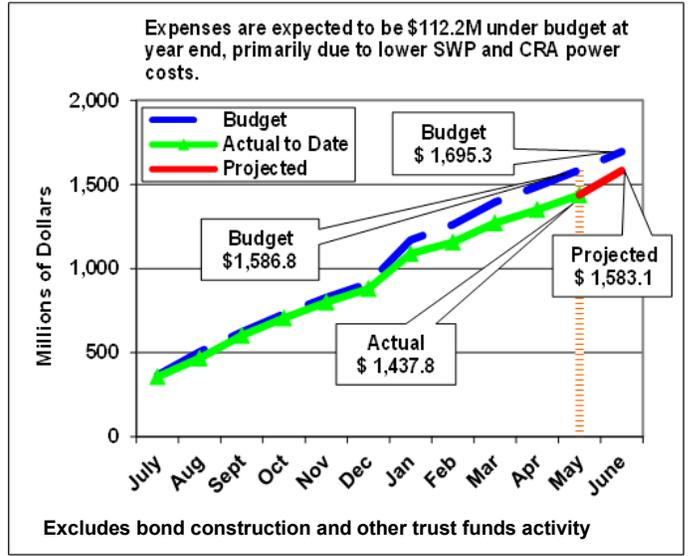
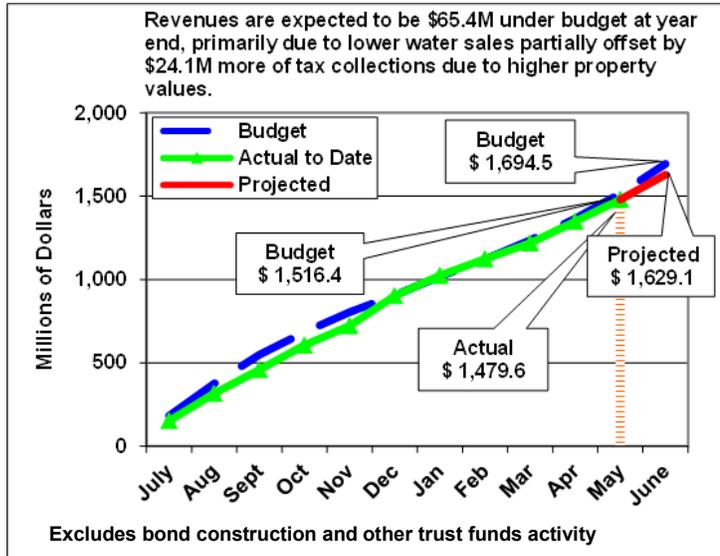
CFO PRIORITY: BUSINESS CONTINUITY

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.

Manage Business Continuity Program in accordance with Operating Policy A-06.

- Completed the remaining Business Impact Analyses for critical business processes.
- Updated Business Continuity Plans were distributed for review and approvals.

FINANCIAL SUMMARY AS OF MAY 31, 2018



Summary Financial Statistics

	Target	Year-End Projected
Fixed Charge Coverage	≥ 1.20 x	1.44 x
Revenue Bond Coverage	> 2.00 x	1.56 x
Revenue Bond Debt / Equity Ratio	< 100.0%	59.2 %

Credit Ratings

	Target	Year-End Projected
- Moody's Investors Service	Aa2	Aa1
- Fitch Ratings	AA	AA+
- Standard & Poor's Global	AA	AAA

ENGINEERING SERVICES

GM STRATEGIC PRIORITY: DEVELOP WATER SUPPLIES AND MANAGE WATER RESERVES

Provide reliable water supplies to meet demands throughout Metropolitan's service area during extreme hydrological conditions.

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

Advanced Water Treatment Demonstration Plant – This project constructs a 0.5 mgd demonstration facility on the grounds of the Los Angeles County Sanitation District's Joint Water Pollution Control Plant. The demonstration facility will collect data for regulatory acceptance of the proposed process train for a full-scale recycling plant, and will enable testing that will optimize the treatment process. Construction is 38 percent complete and is scheduled to be complete by the end of 2018.

(see photos below)



Installation of membrane bioreactor units



Installation of primary and secondary lines

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.

Water Quality/Oxidation Retrofit Program (ORP)

This program adds ozonation facilities that perform primary disinfection at Metropolitan's five water treatment plants while reducing disinfection by-products. Recent activities include the following:

Weymouth ORP

- Main Ozonation Facilities – On October 1, 2017, the Weymouth plant began using ozone as the primary disinfectant. Post-construction activities include control system integration, start-up and testing, permitting with the State Division of Drinking Water, preparation of Operations and Maintenance manuals, and record drawings and other ozone facility improvements. These activities are 97 percent complete and are scheduled to be complete by December 2018.
- ORP Bromate Control Upgrades – Chemical system upgrades are needed for integration of the new ozone system into the Weymouth plant's treatment process. Construction is 99 percent complete and is planned to be complete by July 2018.

ENGINEERING SERVICES

CORE BUSINESS: INFRASTRUCTURE RELIABILITY *continued...*

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:

- 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. Final design is 99 percent complete and is scheduled to be complete by July 2018.
- Jensen Finished Water Reservoir No. 2 Cover Replacement – This project replaces the floating cover and liner at the Jensen plant's Reservoir No. 2, and improves the existing inlet configuration for the reservoir. Preliminary design is 70 percent complete and is scheduled to be complete by October 2018.
- Mills Finished Water Reservoir Rehabilitation – This project rehabilitates the Mills plant's two finished water reservoirs, including replacement of the floating covers and liners, refurbishment or replacement of existing shutoff gates, installation of a new drop gate, and installation of enhanced security features. Preliminary design is 70 percent complete and is scheduled to be complete by October 2018.
- DVL Inlet/Outlet Tower Fish Screen Replacement – This project replaces the corroded fish screens mounted on the Inlet/Outlet Tower at Diamond Valley Lake. Construction was completed in June 2018.
- AMP OC-76 Turnout Relocation – This project relocates the OC-76 turnout on the Allen-McColloch Pipeline to eliminate a stream crossing. The scope includes installation of a new butterfly valve, relocation of air release/vacuum valves, and abandonment of 6,850 feet of pipeline. Construction was completed in June 2018.
- Lakeview Pipeline/Inland Feeder Intertie Valve Installation – This project installs three large-diameter butterfly valves at the Lakeview Pipeline/Inland Feeder Intertie, which enables backup supply deliveries from Diamond Valley Lake to the Mills plant. These valves are needed to isolate reaches of the intertie system piping for maintenance, and to control the flowrate. Construction is 70 percent complete and is scheduled to be complete by September 2018.

Right-of-Way and Infrastructure Protection Program

This program performs needed site improvements throughout the distribution system, including 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 enable system-wide improvements.

- Orange County Operating Region – Final design of improvements is divided into two specification packages. One design package was completed in December 2017, while the second was completed in May 2018. Preparation of environmental documentation is complete, and permit applications for both packages have been submitted to the California Department of Fish and Wildlife and the U.S. Army Corps of Engineers for review. Staff received a draft permit from CDFW, which is under review. Permit applications are expected to be issued by the permitting agencies by August 2018.
- Western San Bernardino County Operating Region – Final design of improvements is 80 percent complete and is scheduled to be complete in late 2018. The draft programmatic environmental impact report for this region is planned to be released for public review by January 2019.
- Riverside/San Diego County Operating Region – Preliminary design of improvements is 99 percent complete and is scheduled to be complete by July 2018.
- Los Angeles County Operating Region – Preliminary design of improvements is 99 percent complete and is scheduled to be complete by July 2018.

ENGINEERING SERVICES

CORE: INFRASTRUCTURE RELIABILITY continued...

Colorado River Aqueduct (CRA) Reliability Program

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

- 6.9 kV Switch House Building Seismic Upgrades – This project performs structural upgrades to the 6.9 kV switch houses at each CRA pumping plant. Construction is 85 percent complete and is scheduled to be complete by September 2018.
- CRA Domestic Water Distribution System Replacement – This project replaces the potable water distribution systems at all five pumping plants in order to maintain reliable delivery of high-quality drinking water to the CRA pumping plants. The project will replace 8.5 miles of main line piping and building laterals, and will add new backflow prevention devices, valves, meters, and remote water quality analyzers. Final design will be completed in three stages. Final design for the Hinds and Eagle Mountain Pumping Plants is 85 percent complete and is scheduled to be complete in December 2018. Final design for the Gene and Iron Mountain Pumping Plants is 55 percent complete and is scheduled to be complete in June 2019. Final design for Intake Pumping Plant is 13 percent complete and scheduled to be complete in December 2019.
- CRA Whitewater Siphons - This project provides erosion control improvements at the Whitewater Siphons on the CRA. The project reduces the risk of damage to the siphons from erosion caused by storm flows. Construction was completed in June 2018.
- CRA and Iron Mountain Concrete Panel Repairs – This project replaces distressed and cracked concrete canal panels at Iron Mountain Reservoir and along several reaches of the canal between Mile Markers 22 to 122. Final design is 98 percent complete and is scheduled to be complete by July 2018.
- Employee Housing Rehabilitation – This program performs comprehensive improvements to Metropolitan-provided employee housing and short-term accommodations at the CRA pumping plants. Project No. 1 will construct 10 new houses: two each at Hinds, Eagle Mountain, and Gene; and four houses at Iron Mountain. All 10 houses were completed in June 2018. Project No. 2 refurbishes 89 houses that require minor or moderate levels of renovation. The initial construction is focusing on 20 houses under a pilot program. That work is 33 percent complete and is scheduled to be complete by March 2019.

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:

Jensen Plant

- Electrical Upgrades, Stage 1 – This project replaces electrical equipment, provides backup in the event of individual component failures, and upgrades the Jensen electrical system to be consistent with current codes and industry practices. The work will be completed in three stages. Construction of Stage 1 is 99 percent complete and is scheduled to be complete by September 2018. Final design of Stage 2 is 87 percent complete and is scheduled to be complete by December 2018

Diemer Plant

- Administration Building Seismic Upgrades – This project performs seismic and fire safety upgrades on the Administration Building at the Diemer plant. Construction is 92 percent complete and is scheduled to be complete by August 2018.

ENGINEERING SERVICES

CORE: INFRASTRUCTURE RELIABILITY continued...

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 pipelines. 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. The scope of the initial construction contract for Reach 1 includes lining approximately 4.4 miles of existing PCCP segments with a steel liner. Construction is 65 percent complete and is scheduled to be complete by August 2018. Final design of the second, third and fourth reaches is 72 percent complete and is planned to be complete by October 2018.
- Second Lower Feeder Pipe Fabrication - Fabrication of steel liner pipe for Reach 1, which was included in the initial procurement contract, is complete. Delivery of the pipe to the repair sites was completed in June 2018. The second procurement contract was awarded in May 2018. It will provide approximately 21,100 feet of 75-inch-diameter welded steel liner pipe for the next two reaches of the feeder.
- Second Lower Feeder Shutoff Valve Procurement - This contract provides 216 shutoff valves that will replace deteriorated valves along the length of the Second Lower Feeder. These valves range in diameter from 4 inches to 16 inches, and are used to control and isolate flow at air release/vacuum valve locations, dewatering vaults, and blowoff structures. Delivery of the 150 valves is scheduled for September 2018. The remaining 66 valves will be delivered by September 2019.

ENVIRONMENTAL PLANNING SECTION

GM STRATEGIC PRIORITY: DEVELOP WATER SUPPLIES AND MANAGE WATER RESERVES

Provide reliable water supplies to meet demands throughout Metropolitan's service area during extreme hydrological conditions.

Provide planning, California Environmental Quality Act/National Environmental Policy Act, and regulatory support for supplemental water supplies and water conservation measures.

Completed CEQA analysis in support of a Mutual Assistance Agreement between Metropolitan, San Bernardino Valley MWD, and San Gorgonio Pass Water Agency. This agreement allowed for temporary use of facilities during future emergencies or significant system outages.

ENVIRONMENTAL PLANNING SECTION

GM STRATEGIC PRIORITY: EMBARK ON STRATEGIC REVIEW OF METROPOLITAN'S MISSION AND PROGRAM

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

Staff is preparing an Addendum to address the proposed project modifications for the Weymouth Administration Building Seismic Upgrades Project. Implementation of a Historic American Engineering Record Documentation Plan will protect the historic integrity of Weymouth plant buildings by implementing the developed cultural resource mitigation measures to all proposed character-defining spaces identified in this proposed project.

ENVIRONMENTAL PLANNING SECTION

CORE BUSINESS: REGULATORY COMPLIANCE

Responsible for providing planning, CEQA, and regulatory support for all discretionary actions undertaken by Metropolitan. The Environmental Planning Section is also responsible for reviewing and commenting on federal rulemaking and state and federal legislation; implementing multi-agency habitat management agreements; reviewing and commenting on all external projects that may impact Metropolitan; and providing technical support for public outreach and education activities.

Provide timely and professional planning services and California Environmental Quality Act (CEQA) and regulatory support in an environmentally responsible manner for Engineering Services, Water System Operations, Water Resource Management, External Affairs, and Real Property.

Construction Monitoring

- Continued construction monitoring activities for the Diemer Filter Outlet Conduit Seismic Upgrades Project, Whitewater Colorado River Aqueduct Erosion Protection Project, Palos Verdes Reservoir Upgrades Project, Garvey Reservoir Permanent Drainage and Erosion Control Project, Orange County Conveyance and Distribution Team Maintenance Building, and the PCCP Second Lower Feeder Relining Project - Package 1.
- Completed construction monitoring for the DVL Inlet/Outlet Tower Fish Screens Replacement Project. An active bird nest was identified on the construction site, but construction was able to continue in compliance with the Migratory Bird Treaty Act through monitoring and implementation of impact avoidance measures

CEQA Environmental Clearances

- Provided environmental planning clearances for 14 WSO projects, 6 Real Property actions, and 9 board letters.
- Reviewed draft project description and field map in preparation of CEQA document for the West Valley Feeder #1 Stage 3 Improvements Project.
- Reviewed the draft traffic report, draft construction noise technical report, and 50 percent design for the PCCP Second Lower Feeder Relining Project Package 4. Also prepared the draft Specification Section for 50 percent design.
- Reviewed the draft Addendum to the EIR for the Palos Verdes Reservoir Project and participated in meetings.
- Reviewed the final design phase of the Project Management Plan for the Lake Mathews Wastewater System Replacement Project.
- Conducted biological surveys and vegetation mapping for the San Gabriel Tower Improvements Project.

Regulatory Permitting and Compliance

- Participated in negotiations with California Department of Fish and Wildlife on the Orange County Right of Way and Infrastructure Protection Program regarding low-water crossing measures and continued to support U.S. Fish and Wildlife Service in the preparation of the Biological Opinion for the program.
- Conducted biological surveys at Diemer plant, Lake Mathews, Southwestern Riverside County Multi-Species Reserve, Lakeview Pipeline, Lake Perris, Santiago Lateral, Fish Canyon Trail in Azusa, and Weymouth plant.
- Finalized the 2018 Weymouth Tree Health Assessment Report. This is the second report of the five year post-construction requirement, which tracks the health of the trees planted as mitigation for the Oxidation Retrofit Program.

ENVIRONMENTAL PLANNING SECTION

CORE BUSINESS: REGULATORY COMPLIANCE *continued...*

WSO Support

- Continued coordination with regulatory agencies to secure an incidental take permit and a Streambed Alteration Agreement for a planned January 2019 shutdown of the Foothill Feeder.
- Surveyed an area for grading a pad near the Colorado River Aqueduct for chemical tanker trucks to facilitate interim sodium hypochlorite injection while the tanks at Copper Basin Reservoir are being replaced.

External Project Review

- Commented on 20 CEQA notices for various external projects that may impact Metropolitan facilities and/or operations.
- Reviewed and coordinated with Water Resource Management Group on the West Basin Desalination Project Draft EIR.

ENVIRONMENTAL PLANNING SECTION

CORE BUSINESS: RESERVE MANAGEMENT

Manages more than 30,000 acres of ecological reserves and partners with other organizations to preserve and support native species and their habitat while ensuring the proper operation and maintenance of Metropolitan's facilities.

Continue to actively manage reserve lands to ensure compliance with state and federal permits and multi-agency cooperative management agreements including the Memorandum of Intent (MOI) between Metropolitan, Riverside County Parks, and other members of the Diamond Valley Lake Ad Hoc Committee.

Lake Mathews Reserve

Staff coordinated with Real Property, Water Quality, Water System Operations, Security, and External Affairs regarding a prescribed burn that was conducted on May 24 on Reserve lands. This area of the Reserve had not been burned in 15 years.

Southwestern Riverside County Multi-Species Reserve

The Patterson Fire burned over 1,200 acres north of Rawson Road on May 17. The northern flank of the fire burned right up to the Lakeview Trail and over most of the Goldrich Trail. Staff will meet with the Reserve Manager and the Riverside County Habitat Conservation Agency to review the fire's effect on the reserve, make recommendations for restoring fire breaks created by CalFire during the event, and discuss CalFire firefighting techniques within the Reserve to determine if there should be any changes.

EXTERNAL AFFAIRS

GM STRATEGIC PRIORITY: EDUCATE THE PUBLIC AND STAKEHOLDERS ON CRITICAL WATER SUPPLY CONDITIONS AND CRITICAL 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 and the importance of Metropolitan actions to promote stewardship, planning and investments to benefit the region.

Recognizing there is a new normal that is directly impacting California water conditions, inform key stakeholders, 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.

- Chairman Record met with current and former board members of the Federal Reserve San Francisco District, Los Angeles Branch, to talk about Metropolitan's investments in California WaterFix and other major initiatives to ensure water supply reliability and support a strong economy. The board includes representatives from the banking, agriculture, entertainment, and other leading sectors. (June 6)
- Media interest remained high on California WaterFix, including the announcement that Metropolitan's Board would vote again at its July 10 meeting on whether to authorize increased funding of the project. Articles appeared in the *Sacramento Bee*, *Los Angeles Times*, *San Jose Mercury News*, *Voice of San Diego*, KPCC 89.3 FM radio, and several other local media outlets.
- General Manager Kightlinger met with representatives from the Urban Water Institute and the Mountain Counties Water Association at Metropolitan's Diemer water treatment plant to discuss state and regional water management challenges, investments in water supply reliability, California WaterFix, climate change, and the importance of urban and rural partnerships to address statewide water challenges. (June 7)

EXTERNAL AFFAIRS

CORE BUSINESS: LEGISLATIVE, COMMUNICATIONS, COMMUNITY RELATIONS, PUBLIC AND BUSINESS OUTREACH

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

Staff participated in the monthly National Water Resources Association Federal Affairs Committee meeting to promote Metropolitan's federal legislative policy agenda. (June 1)

Assistant General Manager Zinke spoke to the Western Coalition of Arid States on maintaining water supply reliability under extreme hydrological conditions

State

- The State Legislature passed and Governor Brown signed into law legislation to make 'Conservation a California Way of Life.' Metropolitan supported the legislation and was actively involved in negotiating amendments to address concerns by water agencies for the two bills, SB 606 by Senator Hertzberg (D-Van Nuys) and AB 1668 by Assembly member Friedman (D-Glendale).
- California's Fiscal Year 2018/19 budget did not include the Governor's proposed trailer bill language to authorize a "water tax" but did include General Fund authorizations of \$23.5 million for safe drinking water actions and \$5 million to provide lead testing, remediation, and technical assistance for child care centers.

EXTERNAL AFFAIRS

CORE BUSINESS: LEGISLATIVE, COMMUNICATIONS, COMMUNITY RELATIONS, PUBLIC AND BUSINESS OUTREACH continued...

Legislative Services continued...

- AB 2050 (Caballero, D-Salinas) is awaiting action in the Senate. The bill, co-sponsored by Eastern Municipal Water District and California Municipal Utilities Association, and supported by Metropolitan, would address chronically non-compliant water systems.
- Legislative informational hearings were held on the November water bond, the Business Roundtable's proposed initiative related to increase the vote threshold for new revenue and the State Water Project contract extension.
- The State Legislature summer recess will be July 1 to August 6.
- Metropolitan hosted a water issues briefing for 26 private and public sector members of the Inland Empire Economic Partnership Leadership Academy as part of the group's two-day Sacramento advocacy trip. (June 12)
- Metropolitan staff participated in a Valley Industry and Commerce Association advocacy trip to Sacramento and met with San Fernando Valley area legislators to discuss issues of concern to the region, including water. (June 26)

Local

- Chief Operating Officer Upadhyay spoke to the Business Industry Association of Riverside County Legislative Affairs Committee about current water conditions, California WaterFix, local water supply projects, and water storage. More than 80 builders, engineers, and local elected officials and staff members attended the event. (June 6)
- Metropolitan sponsored the Santa Monica Chamber of Commerce annual Installation Dinner to honor the incoming board of directors. (June 13)
- Metropolitan staff attended a gubernatorial forum featuring candidate Gavin Newsom. The event was sponsored by the Los Angeles Area Chamber of Commerce and the Central City Association of Los Angeles. (June 18)
- Metropolitan sponsored and participated in the Annual General Assembly of the Western Riverside Council of Governments. More than 500 public and private sector attendees learned about important regional issues, including water conservation and infrastructure investments. (June 21)

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.

Water Conservation Campaign

Metropolitan's own spring campaign and a partnership with Save Our Water continued this month with radio, social media, and digital ads promoting rebates and water conservation tips. The activities generated more than 1.5 million impressions.

Online, Website and Social Media

The June Garden of the Month features a residential sustainable landscape transformation. The video highlights grading, rain garden water features and native plant gardening. The video is available on bewaterwise.com, YouTube, Twitter, Instagram, and Facebook.

EXTERNAL AFFAIRS

CORE BUSINESS: LEGISLATIVE, COMMUNICATIONS, COMMUNITY RELATIONS, PUBLIC AND BUSINESS OUTREACH

Media and Communications continued...

Awards

Metropolitan was honored with 13 top awards, including Best of Show recognition, from the National Association of Government Communicators. The awards were for excellence in communication and outreach materials that included projects to increase public and media awareness of California WaterFix, the H2Love advertising campaign, Solar Cup, community events, and videos. (June 19-20)

Media Activities and Interviews

- Worked with reporters, including the *Riverside Press-Enterprise* and KABC-7, to provide updated information about the algal bloom at Diamond Valley Lake, including suspension of recreational activities that began on June 21. Assisted with public outreach, including distribution of English and Spanish-language fliers and information-based social media content.
- Arranged interview between General Manager Kightlinger and Debbie Sklar of *Coast News* regarding the multiple benefits of California WaterFix for North San Diego County.
- Arranged taped radio interview with General Manager Kightlinger and Luke Runyon of KUNC, a Fort Collins-based National Public Radio affiliate, on the Colorado River Compact.
- Set up interview with General Manager Kightlinger and *Sacramento Bee's* Dale Kasler on water-related impacts of the November 2018 ballot initiative to split California into three states.
- Arranged interview for General Manager Kightlinger with California Municipal Utilities Association's Mike Williams for a Question and Answer feature in the summer 2018 issue of the *California Water and Power* magazine.
- Responded to questions from Romy Varghese of Bloomberg News on Metropolitan's consideration of issuing 2018 subordinate bonds.

Press Releases

Issued joint press release with the Bureau of Reclamation, Western Resource Advocates, Southern Nevada Water Authority, Central Arizona Project, and Southern California Gas Company to announce Innovative Conservation Program grant recipients.

Issued press release regarding the cyanotoxin algal bloom at Diamond Valley Lake and closure of the lake and surrounding recreation areas to protect public health and safety.

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.

Public Outreach for Metropolitan Projects

- Continued outreach to residents and businesses for the Second Lower Feeder Relining Project in Long Beach and provided project updates via web and social media.
- Met with staff of Los Angeles City Councilmember Buscaino (15th District) to discuss the Second Lower Feeder relining project and potential future work locations in their district.
- Met with Los Angeles County Public Works Department staff to discuss the Second Lower Feeder Relining Project, potential work locations, and permitting.
- Provided the city of Rolling Hills Estates Planning Department staff with a tour of Palo Verdes Reservoir and briefing on the status of the relining project and future activities.

EXTERNAL AFFAIRS

CORE BUSINESS: LEGISLATIVE, COMMUNICATIONS, COMMUNITY RELATIONS, PUBLIC AND BUSINESS OUTREACH continued...

Public Outreach and Member Services - continued...

Member Agency Support

Provided two director-led inspection trips to Diamond Valley Lake and the State Water Project. The DVL trip was hosted with Three Valleys MWD for 75 first-generation, underserved high school students in the REACH program, which provides exposure to business education topics.

Chairman Record; Directors Ackerman, Ballin, Blois, Cordero, Dick, Galleano, Martinez, Morris, Murray, Peterson, Pressman, Trevino, and Vasquez-Wilson; and Metropolitan staff participated in a tour of the Port of Long Beach, hosted by Director Cordero and Long Beach Water. The tour showcased sustainable practices and water conservation initiatives. (June 19)

Sponsorships and Community Outreach

- MWDOC Orange County Water Summit (June 1)
- American Public Garden Association National Annual Conference (June 4-6)
- Westminster Gardens Retirement Community (June 14)
- International Black Women's Public Policy Institute (June 16)
- USA City Games (June 17)
- UC Irvine Civil and Environmental Education Water Symposium (June 21)

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 youth for the value of clean, reliable water supplies and the importance of good water stewardship.

Diamond Valley Lake Education Program

The Visitor Center hosted more than 540 visitors and guided nearly 410 visitors to the Viewpoint.

General Education

- Girl Scouts from the Park La Brea Unit participated in an education event at Metropolitan on water sustainability as part of the requirements for the "It's Your Planet—Love It" curriculum. (June 2) *(see photo below)*
- Nearly 100 students from Camino Nuevo Academy's sixth grade classes visited Metropolitan to participate in sessions on water quality, the Colorado River, and the water distribution model. (June 8)
- STEAMing through Summer is an eight-week series at the KidSpace Museum in Pasadena that creates learning opportunities exploring Science, Technology, Engineering, Art, and Math. Metropolitan presented information to program participants on the importance of water conservation. (June 18)



EXTERNAL AFFAIRS

CORE BUSINESS: LEGISLATIVE, COMMUNICATIONS, COMMUNITY RELATIONS, PUBLIC AND BUSINESS OUTREACH

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 throughout the region through its presentations, participation and sponsorship of the following programs, conferences and events:

- Corporate and Capability Statement review panel with 20 small businesses. (June 1)
- Los Angeles World Airports Business Connections and Matchmaking Forum held matchmaking sessions and exhibitor booths. More than 250 businesses were in attendance. (June 14)
- Annual State Legislative California Small Business Day Conference and Awards Program with more than 400 attendees. (June 19)
- Los Angeles Area Chamber of Commerce BIZCON with more than 150 businesses. (June 20)
- Connect 2 Met event in Lake Havasu, in partnership with Lake Havasu Chamber of Commerce, Colorado River Building Industry Association, and Parker Regional Chamber of Commerce and Tourism. Approximately 50 businesses were in attendance to learn more about contracting, purchasing, and procurement opportunities with Metropolitan. (June 26)
- Caltrans Local Small Business Council Meeting in San Diego County with representatives from 40 companies. (June 27)
- EDGE program – Best Practices in Business Development workshop, in partnership with the Veterans in Business Network. Approximately 30 businesses were in attendance. (June 28)
- Annual National Latina Business Women Business Association Awards Program with 300 attendees. (June 28)

Metropolitan's leadership in innovation was showcased during the opening session of American Water Works Association's Annual Conference and Exposition, which introduced the audience of 2,000 attendees to the Colorado River Aqueduct virtual reality project. The theme of this year's conference was *Innovating the Future of Water*. ([see photo below](#))

AWWA attendees experiencing Metropolitan's Colorado River Aqueduct virtual reality project.



HUMAN RESOURCES

GM STRATEGIC PRIORITY: EMPLOYEE DEVELOPMENT

The proposed budget calls for Metropolitan to cease its managed attrition that has shrunk Metropolitan from 2,400 full-time employee positions to a current workforce of approximately 1,750. Recruitment activity will be expanded to fully replace all retirements and add some positions to bring the work force to approximately 1,800 positions over the next two years. Increased cross-training and employee development efforts will be needed to meet the challenge of increased retirements brought about by an aging workforce.

Partner with Metropolitan and group leadership to support learning, development and workforce planning initiatives.

Classes delivered at Headquarters this month include:

- *Customer Service Skills*
- *Resume Writing*

Classes delivered at Weymouth plant include:

- *Success Signals – Communication Styles*

Two-hour computer skills modules delivered at Weymouth plant and Headquarters include:

- *Excel: Pivot Tables, Charts & Graphs, Lookups, Macros, and Formulas and Functions*
- *WORD: Tables*
- *Outlook: Calendar and Tasks*
- *PowerPoint: Compelling and Engaging Presentations*
- *Visio: Organization Charts*

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

Recruitment filled 50 positions for the month of April, bringing the total number of filled positions to 222 for fiscal year-to-date. Received 29 new staffing requisitions, resulting in 174 positions currently in recruitment.

The announcement of the upcoming Desert Pre-Apprentice Recruitment has been posted. Recognizing that this will require some creativity, staff created a brochure for additional outreach and External Affairs is putting together supporting social media, including video shorts to demonstrate life as a mechanic / electrician at the desert facilities.

Implement employee engagement programs to ensure Metropolitan is a competitive organization.

Thirty-three employees participated in a two-day Colorado River Aqueduct Employee Inspection Tour that was kicked-off on June 5 at Headquarters by Assistant General Manager Zinke.

Four partner universities participated in an Education Fair tour to all the Colorado River Aqueduct facilities on June 26 and 27.

HUMAN RESOURCES

HR PRIORITY: PREPARE FOR FUTURE WORKFORCE AND CHANGING ROLES

Partner with groups to develop programs for skill development, knowledge capture, change management, and employee engagement to ensure Metropolitan's capability as an agile organization preparing for future changes and challenges.

Implement strategies to prepare management and employees for change, unknown challenges, and future retirements.

Session 8 of the Water System Operations Management Academy held at the Jensen plant focused on coaching skills, goal development, recruitment practices, and an overview of the water quality function. Participants also received a tour of the water treatment facilities at the plant.

HUMAN RESOURCES

HR PRIORITY: ENSURE EFFECTIVE PEOPLE MANAGEMENT

Provide consultation, guidance, standards, policies, procedures and learning opportunities to ensure that employee experience is enhanced as they are appropriately managed, evaluated, engaged, motivated, developed, recognized and valued.

Ensure Metropolitan managers have the foundational knowledge and on-going support to effectively manage employees.

- Metropolitan Management University-Graduate Cohort 2 continued to work on Career Development Pathways on Degreed.com and with Jhana.com – technology solutions for creating specified learning opportunities for managers and ability to share with others.
- Conducted session 3 of MMU-G for unit managers on The Art of Influence and Motivation, facilitated by the College for Executive Coaching on June 27.
- Six managers and staff attended a one-day external seminar at the Institute for Management Studies on *Coaching for Results* presented by Dr. Marcia Reynolds.
- Staff attended the Institute for Management Studies Annual Advisory Board Meeting in San Francisco to provide input into the selection of topics and presenters for the 2019 schedule and made a presentation to the attendees on Metropolitan's Learning and Development Strategy.
- Staff continued to meet with managers to provide feedback on Korn Ferry Voices 360° feedback surveys for the cohort of 15 Unit Managers participating in the Metropolitan Management University Graduate program.
- Seven managers were provided coaching by internal staff and seven external coaching agreements were administered by staff.

HUMAN RESOURCES

CORE BUSINESS: COMPLY WITH EMPLOYMENT LAWS AND REGULATIONS

Effectively administer all Human Resources policies, programs, and practices in compliance with applicable federal and state laws and Metropolitan Administrative Code, Operating Polices, and Memorandum of Understanding.

Activities for the Workers' Compensation/Medical Unit are summarized below:

- Submitted 7 new claims to Metropolitan's workers' compensation claim administrator
- Negotiated settlements in 2 claims; and closed 10 claim files
- Conducted MedVan evaluations at Jensen facility
- Arranged 14 medical evaluations (DMV, medical surveillance, hearing conservation, etc.)
- Addressed 4 accommodation issues.

HUMAN RESOURCES

HR PRIORITY: PARTNER WITH CUSTOMERS ON HR SOLUTIONS

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.

Establish partnerships focused on strategic solutions to various human resource management challenges.

Staff continued engagement in a conflict mediation intervention with a team at the Weymouth treatment plant.

On May 31, General Manager Kightlinger, Human Resources Director Diane Pitman, and Employee Relations Officer Stephen Lem met with the leadership of the Supervisors Association to sign the new 2017-21 Memorandum of Understanding. This marks the official end to a successful round of contract negotiations with Metropolitan's four bargaining units that began in late 2016. *(see photo right)*



GM Kightlinger with Association President Charles Smith, and Association negotiators Ernest Zimmerman, Chris Gabelich, Nan Cargile, Teresa Mazurek, and Tom Vladovich

HUMAN RESOURCES

Employee Resource Groups

Metropolitan's Hispanic Employees Association supports a merit-based scholarship named after HEA's founding father. The Henry Lozano Memorial Scholarship is open to deserving students who are sponsored by HEA members. This year HEA awarded eight \$1,000 scholarships. A luncheon was held on June 21 to meet the students and their families. A couple of the deserving students are shown in pictures below.



INFORMATION TECHNOLOGY

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, mobile/wireless computing, telecommunications, network services, information security, and personal computing.

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

- IT staff processed video captures and aerial imagery from recent Unmanned Aerial Vehicles missions (i.e., Solar Cup 2018, Eagle Valley and Potrero). In addition, conducted planning for upcoming mission for aerial video shoot of historic trail on Metropolitan's property in Azusa and drone presentation for the Real Property Group. *(see aerial photos below)*



- The Information Technology Group worked in collaboration with the Digital Asset Optimization project team and completed the planned IT workshops. The workshops assisted staff in identifying redundant, obsolete, and trivial files currently stored on the network file share and in reengineering existing folder structures. The next step is to migrate the optimized files from the network to the newly developed folder structure (taxonomy), which is scheduled to begin in July.
- Continued design work for the district-wide taxonomy as part of the Enterprise Content Management project. Key activities include:
 - Continued efforts with Record Retention Schedule / Classification / Metadata / Thesaurus
 - Real Property taxonomy currently in review
 - Initiated development of taxonomy for Administrative Services and IT Group
- Deployed innovative technology solutions
 - Previously completed datamarts for MAXIMO and LIMS are currently in production and providing useful data and information to support planning and business decision making.
 - Continued Cognos upgrades as a prerequisite for supporting the PCRS project. In addition to maintaining software currency and vendor support, the upgrade provides improved dashboard reporting and ease-of-use. This upgrade is scheduled to complete by first quarter of fiscal year 2018/19.
 - Gathered requirements to streamline tasks/operations by automating manual processes to consolidate data for reporting. Working with Water System Operations and Administrative Services to evaluate business requirements to automate the manual process of compiling data from different sources (various systems, excel worksheets, etc.) to produce monthly recurring reporting.
- As part of upgrades to enhance infrastructure reliability at the Disaster Recovery Facility, installed temporary Uninterruptible Power Supply (UPS) in preparation for cut-over to a new UPS unit scheduled for July.

INFORMATION TECHNOLOGY

CORE BUSINESS: INFORMATION TECHNOLOGY continued...

Implement innovative solutions continued....

- Gathered requirements and continued evaluating technology solutions for a self-service ticketing system. Next steps are to complete requirements gathering; initiate competitive RFP process; and seek Board approval to appropriate funding and authority to proceed.
- Developed metric goals as part of implementing an IT Monthly Operations Report to continually assess IT performance and operational effectiveness.

Deploy security technologies to properly balance and enhance Metropolitan's cyber security position.

- Continued cyber security countermeasures
 - On-going efforts to enhance Metropolitan's cyber security position. Current activities include network access control, firewall enhancements, and upgrading network monitoring capabilities.
 - Cyber security staff continued on-going system monitoring of Metropolitan's computing environment and IT Networks to identify suspicious activities and initiate appropriate remediation actions (i.e., assessed and blocked selected traffic).
- Enhanced Information Technology security infrastructure
 - Continued pilot testing of software / IT infrastructure to allow secure remote access to Metropolitan's networks for purposes of mobile devices connectivity.
 - The pilot testing phase is scheduled to complete in June. The findings of the pilot will be presented to IT Executive Management to determine next steps (i.e., tool selection, purchase and implementation schedule). Draft Mobile Technology Policy in development. Dependency with mobile pilot testing activities currently underway.

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

- Enhanced operational reliability:
 - Conducting final preparations for major shutdown commencing in July. Major installation activities will begin as part of replacing and upgrading the control and electrical equipment.
- Implement short-term improvements to SCADA (Supervisory Control and Data Acquisition) equipment to improve reliability while working on the long-term plan.
 - The project team previously installed selected pre-deployment Remote Terminal Units (RTU) computer test units in the field to identify any unforeseen technical issues arising from the replacement units. Staff continues to monitor performance of prior installations.
 - With recent deliveries (bringing the total to approx. 95 units), staff continued set-up and configuration of RTU computer units in preparation for field installation. Rollout commenced in June.
- The project team continued to prepare control system architecture alternatives analysis, including relative cost estimates with draft documentation received in June.
- IT worked in collaboration with Engineering Services on the technology upgrades for the Board and Committee rooms. Conducted workshops with the project manager to review scope and coordinate planning efforts. Preliminary design phase underway.
- Developed internal roadmap as part of the strategy to relocate Metropolitan's datacenter. Next step is to conduct an independent validation by outside consultant, which is scheduled to begin in July.
- Implemented Oracle Recovery Manager Software streamlining the back-up process and reduced operational disruption.
- Continued on-going support (planning and coordination) for the Headquarters Improvement Program as it relates to services required to relocate PCs, VoIP phones, and other IT equipment.

INFORMATION TECHNOLOGY

CORE BUSINESS: INFORMATION TECHNOLOGY continued...

Upgrade and refurbish Information Technology continued...

- Completed Jensen deployment as part of Metropolitan's Voice over Internet Protocol project.
- Continued work on PeopleSoft upgrade to bring the system current with the latest software release. User Acceptance Testing is underway and scheduled to complete by July.
- Completed a Proof of Concept microwave radio project at Diamond Valley Lake. In June, conducted job-walk as part of the competitive RFP process to select Owners Engineer (consultant). Selection process underway.
- Completed key project milestones (preliminary design and procurement) as part of the upgrades for Metropolitan's disaster recovery data center approved by the Board in December 2017. Current efforts underway include hardware configuration and software install in preparation for initial testing. The project is proceeding according to plan, with initial implementation beginning in quarter two of fiscal year 2018/19.

Simplify access to business information.

- Continued IT support to External Affairs related to Metropolitan's bewaterwise.com website. Services include launching new ad-campaigns and redesigned website to ensure ease-of-use for mobile platforms (iPad).
- Continued to expand the usage of Office 365 collaboration suite.
 - Developed approximately 20 new SharePoint sites to support Metropolitan business units.
 - IT Staff continued to work with Administrative Services Technical Writing Team on Operating Policy SharePoint site comprised of multiple phases. Testing was completed and Phase 1 has been successfully delivered. Work on Phase II is underway to assist with workflow automation and electronic approval.

Update Information Technology Strategic Plan to support Metropolitan's Mission and Programs.

Conducted IT Executive Council meeting (an advisory council to the General Manager) to ensure alignment of IT priorities with Metropolitan's business goals.

Implement Information Technology's comprehensive workforce succession planning and employee development programs.

Continued Metropolitan's student internship program to provide college students hands-on work experience

- 2 student interns scheduled to started in June
- Developed plan for additional internship opportunities in fiscal year 2018/19

REAL PROPERTY

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.

Seek incremental revenue-generating opportunities for real estate assets in traditional and alternative market segments such as telecommunications, solar/wind generation, agriculture, and sustainable technology and research.

- A license was granted to the Coachella Valley Mountains Conservancy to use and maintain a portion of Metropolitan's existing Colorado River Aqueduct patrol road as a mixed-use trail to provide public access to existing trails located in the southern region of the Joshua Tree National Park.
- An entry permit was granted to U.S. Geological Survey to allow collecting two soil cores in each site for a research project to determine whether invasive aquatic vegetation in the Delta channels is interfering with processes that help marshes keep pace with sea-level rise.
- An entry permit was granted to California Department of Forestry and Fire Protection to allow prescribed burns to reduce the intensity, severity, and the resistance for control of human-caused and naturally occurring wildfires within Lake Mathews Reserve.
- Metropolitan entered into a two-year agreement to allow agricultural activities on approximately 1,923 acres on the south and west portions of Bouldin Island.
- Metropolitan entered into a two-year agreement to allow agricultural activities and cattle grazing on approximately 3,094 acres on the north and western portions of Bouldin Island.
- An agricultural lease was amended to extend the term for two years. The lease allows agricultural activities on Bacon Island.

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

Staff completed the revamp of the high-rise safety training video. The annual training is mandatory for all employees at Headquarters. The video was updated to include new fire codes and guidelines. The project required new scenes that were recorded and incorporated into the final video. The new video has been tested and officially launched.

Staff performed a Facility Condition Assessment of the DVL Visitor Center. The assessment is an in-depth analysis of the condition and expected useful life of all facilities assets such as HVAC (Heat, Ventilating, and Air Conditioning), fire life safety, furnishings, and other pertinent building systems. This analysis will aid the Facility Management team in planning and budgeting for short- (5 years) and long-(10+years) term operation and maintenance and Capital Investment Program projects.

Foster staff training and development

- Staff attended Metropolitan-sponsored courses: *Reasonable Suspicion Training for Managers* and *Defensive Driver Training*, *Excel Lookups Workshop*, and *Excel Pivot Tables Advanced Workshop*.
- Staff attended the International Right of Way Association-sponsored courses: *SR/WA Study Session & Exam*, *Ethics and the Right of Way Profession*, *Standards of Practice for the Right of Way Professional*, *Environmental Awareness*, *Principles of Real Estate Negotiation*, and *Principles of Real Estate Engineering*.

REAL PROPERTY

CORE BUSINESS: REAL PROPERTY ACQUISITION, MANAGEMENT AND REVENUE ENHANCEMENT
continued...

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

- A permanent easement was acquired from the Irvine Community Development Company, LLC, for access over a private roadway to the Allen-McColloch Pipeline in Portola Springs. Metropolitan currently has an annual entry permit and as portions of the owner's property are subdivided, permanent easements will be granted to Metropolitan as needed to replace the entry permit.
- Staff acquired a 25-day Right of Entry Agreement from March Joint Powers Authority to perform potholing and geotechnical inspections in support of the Perris Valley Pipeline.
- A permanent easement was acquired from MS Alessandro, LLC, for the operation, maintenance, construction staging, and access to the Perris Valley Pipeline. Metropolitan required this additional easement as a condition to sign off on the owner's development plans of the property.

Pursue development and improvement 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.

- Urban Park Concessionaires hosted an American Bass Association Fishing Tournament (June 9) and Anglers Marine Fishing Tournament (June 16) at DVL. At the Anglers Marine Fishing Tournament, the heaviest fish caught was 8.23 pounds. The heaviest fish caught weighed in at 7.58 pounds at the American Bass Association Fishing Tournament.
- On June 21, all recreational activities at Diamond Valley Lake were temporarily suspended because of a bloom of cyanobacteria (blue-green algae) covering the lake. Metropolitan's treated drinking water has not been affected. Recreational activities will be reinstated once conditions improve.
- Valley-Wide Park and Recreation District hosted a Southern California Senior Softball Association Tournament at the Diamond Valley Community Park location.
- Made-To-Be-Fit, a non-profit cross country organization, held its annual fundraising event at the Diamond Valley Community Park. All proceeds raised were donated to local veteran and military programs.
- The largest girls' fast pitch softball tournament on the west coast was held at multiple Valley-Wide Park and Recreation District locations, including Diamond Valley Community Park.
- A three-day Premier Girls Fastpitch Softball tournament was held at the Diamond Valley Community Park and over 50 teams participated.
- The Western Science Center held its annual Ice Age Soiree. This event included science demonstrations, an opportunity to meet local scientists and educators, and after-hours access to the museum.

WATER RESOURCE MANAGEMENT

CORE BUSINESS: WATER SUPPLY

Develop and execute water resource strategies that achieve the long-term reliability envisioned in the Integrated Resources Plan (IRP). Efforts include the negotiation and management of supply, storage, and water use efficiency programs, administration of imported supply contracts, development of new water resource policy recommendations in support of the IRP, collaborative planning with member agencies, and forecasting resource and facility needs.

Participate and lead, where appropriate, in statewide and regional planning efforts.

Second Funding Call—On June 21, Imperial Irrigation District/Metropolitan Water Conservation's Program Coordinating Committee approved the Second Funding Call for the conservation program. The Second Funding Call is approximately \$5.9 million. This amount is the balance of the 2018 annual budget totaling \$9.49 million.

State Water Resource Control Board's Constituents of Emerging Concern (CEC) Bioanalytical Screening—Staff participated in State Water Resource Control Board's Constituents of Emerging Concern Bioanalytical Screening of Recycled Workshop. Stakeholders shared concerns about some of the proposed changes and requested clarification from Control Board representatives. The primary concerns identified included the difference between the Science Advisory Panel recommendations and the proposed CEC monitoring in the Recycled Water Policy amendment. Additional information is available at https://www.waterboards.ca.gov/water_issues/programs/water_recycling_policy/recycledwater_cec.shtml

WaterReuse Los Angeles Chapter—Staff led the June WaterReuse Los Angeles Chapter meeting hosted by the City of Burbank's Department of Water and Power. Staff coordinated with the State Water Resource Control Board to provide an update on the monitoring requirements and proposed amendments. Approximately 75 local agency, consultants, and regulatory staff participated.

The Climate Registry—Metropolitan hosted and participated in a workshop for The Climate Registry (TCR) on June 14. The Climate Registry is a non-profit organization that designs and operates voluntary Greenhouse Gas (GHG) reporting programs and assists organizations in measuring, reporting, and verifying their GHG emissions. Metropolitan is a member of TCR and has been voluntarily submitting verified GHG emission reports to TCR since 2009. The purpose of the workshop was to continue a pilot test of TCR's new Water-Energy reporting protocol as well as to add wastewater and recycled water plants to the protocol. The workshop included staff from Metropolitan, member agencies, local water and wastewater utilities, universities, and other stakeholders interested in participating in the pilot test.

Southern California Salinity Coalition—Metropolitan staff participated in a board meeting of the Southern California Salinity Coalition (SCSC). Staff provided an update of Metropolitan's supplies and salinity levels in Metropolitan's distribution system. The SCSC is a coalition of water and wastewater agencies in Southern California dedicated to addressing regional salinity issues. Metropolitan is a founding member of the SCSC and holds a position on the Board.

Implement the Local Resources Program.

Local Resource Program Refinements—To help further local supply development, staff is working with member agency staff and managers to develop refinements to the Local Resources and On-Site Retrofit Programs. A presentation was provided and feedback solicited during the Member Agency Manager's Meeting on June 15. Staff will be gathering information and reporting back to the Board on the progress and potential modifications to the program.

WATER RESOURCE MANAGEMENT

CORE BUSINESS: WATER SUPPLY continued...

Ensure cost-effective and reliable imported water supplies.

California WaterFix Contract Amendment—Since February, Public Water Agencies contracting for State Water Project water have met with the Department of Water Resources (Department) to amend the Contract. The negotiations focused on two areas. The first includes changes to contract provisions that will provide the contracting Public Water Agencies much greater flexibility to manage water allocated to them each year or stored on their behalf in San Luis Reservoir. The other area includes the development of an allocation methodology for the State’s recovery of the proposed Cal WaterFix facility capital and operating costs from participating Public Water Agencies. The Department and the Public Water Agencies have made steady progress. Only a few items remain to be negotiated. The parties have commenced drafting the Agreements in Principle.

Implement the Conservation Program effectively.

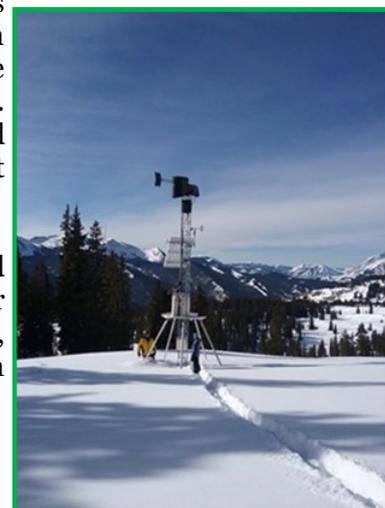
Industry Advisory Council—Metropolitan staff attended a joint meeting of the Los Angeles County Sanitation District’s Industry Advisory Council Meeting and the City of Los Angeles Bureau of Sanitation at the Los Angeles Environmental Learning Center on the site of Los Angeles’ Hyperion Water Reclamation Plant. Staff attended and provided information to other attendees about Metropolitan’s water use efficiency incentive programs.

California Water Efficiency Partnership’s Annual Peer-to-Peer—Staff attended the California Water Efficiency Partnership’s Annual Peer-to-Peer Event in the City of San Francisco. The Peer-to-Peer event is a gathering of water conservation and efficiency professionals designed to be an interactive experience. Metropolitan staff also participated in three panel presentation/discussion sessions covering implementation of Commercial, Industrial, and Institutional Programs, the recently enacted conservation legislation (Assembly Bill 1668 and Senate Bill 606), and issues around the Water-Energy Nexus.

Ensure reliable and cost-effective water management programs.

Water Research Foundation—Metropolitan staff executed a \$975,000 funding agreement with the Water Research Foundation (WRF) under the Future Supply Actions Funding Program (FSA). The agreement funds six potable reuse studies under WRF’s Advancing Potable Reuse Initiative and one study to remove barriers to agricultural use of recycled water. Two of the studies will advance the potential for the State Water Resources Control Board to develop regulations for direct potable reuse. WRF has received \$4.5 million in funding from the Control Board and expects to raise an additional \$3 million from other water agencies and stakeholders. WRF will be issuing Request for Proposals for the seven studies over the next six months. The tentative schedule will be to issue the RFP on July 6 and hold a pre-bid webinar on July 26. The RFP will close on August 31 with the expectation that agreements will be signed and studies initiated by the end of the year.

Weather Modification—Staff met with the Colorado River Basin States and determined which Water Year 2019 weather modification activities the Lower Basin would fund. Over \$900,000 will be provided to modernize operations, and operate 11 wintertime cloud seeding programs to augment snowpack in Colorado, Utah, and Wyoming. *(see photo right of cloud seeding generator)*



WATER SYSTEM OPERATIONS

GM STRATEGIC PRIORITY: DEVELOP WATER SUPPLIES AND MANAGE WATER RESERVES

Staff will work closely with the Board to manage Metropolitan's water supply reserves in the face of the unprecedented drought conditions in California and throughout the Southwest. Should El Niño conditions create more supply, staff is prepared to maximize storage opportunities. The actions will include implementation of storage withdrawals, coordination of deliveries with the member agencies, close monitoring of drought conditions and possible allocation actions as part of the Water Surplus and Drought Management plan, and targeted outreach on conversation efforts.

Develop Water Supplies

Staff continued work on the demonstration project at the Regional Recycled Water Advanced Purification Center in Carson. Metropolitan recently commissioned the National Water Research Institute to convene an independent advisory panel for the demonstration project. The panel is comprised of academics and industry professionals who will provide independent review of the scientific, regulatory, environmental, and policy issues associated with testing. On June 20, staff participated in a kickoff planning meeting with NWRI and the Sanitation Districts of Los Angeles County for the first panel workshop, scheduled for August 8 and 9. The workshop will include presentations by Metropolitan and Sanitation Districts staff and consultants, which will facilitate the panel's review of the testing and monitoring plan for the Center's first year of operation. Demonstration testing is expected to begin in early 2019.

Manage Water Reserves

State Water Project imports into the service area in June accounted for about 35 percent of Metropolitan's deliveries. Storage at Diamond Valley Lake decreased from 718,300 acre-feet to 716,500 AF or 88 percent full. Water reserves continued to be managed according to Water Surplus and Drought Management principles and the 2018 Annual Operating Plan, while considering the current 35 percent 2018 SWP allocation. The only deliveries made to storage accounts in June were to the Advanced Delivery Account with Desert Water Agency and Coachella Valley Water District (17,000 AF). Staff continues to manage storage in 2018 to meet anticipated demands and end-of-year operational targets.

WATER SYSTEM OPERATIONS

CORE BUSINESS: PROVIDE RELIABLE WATER SUPPLIES

Metropolitan delivered approximately 150,660 AF of water to member agencies in June. June deliveries averaged approximately 5,030 AF per day, an increase of 405 AF per day from May deliveries. Treated water deliveries for June totaled 69,750 AF, or 47 percent of total deliveries for the month. This was an increase of about 6,750 AF from May treated water deliveries. The Colorado River Aqueduct operated at a 6-pump flow from June 1 through June 13, and increased to a 7-pump flow on June 14 for the remainder of the month. A total of 89,420 AF of Colorado River water was pumped in June, averaging 2,980 AF per day. SWP imports averaged 1,750 AF per day, totaling 52,520 AF for June. This was an increase of 6,320 AF from May SWP imports. The target blend for the Weymouth and Diemer plants was increased from zero to 35 percent on June 11. Due to Department of Water Resources and Metropolitan maintenance activities, the Skinner plant transitioned to a 35 percent blend target on June 29.

Staff continued to maximize power generation throughout the month. Metropolitan's hydroelectric plants generated an average of 15 megawatts per hour for 10,640 megawatt-hours in June.

Storage	As of 6/30/18	% of Capacity
DVL	714,887 AF	88
Lake Mathews	134,282 AF	44
Lake Skinner	31,609 AF	72

WATER SYSTEM OPERATIONS

CORE BUSINESS: OPTIMIZE MAINTENANCE

Managing quagga mussels is key to the reliable delivery of Colorado River water. These organisms can clog water intake structures and conveyance systems that can significantly increase maintenance costs. A primary quagga mussel control strategy for the CRA is chlorination, which is performed by applying sodium hypochlorite (bleach) at the outlet of Copper Basin. This chlorination facility consists of two 15,000-gallon sodium hypochlorite tanks, both of which had reached the end of their useful lives and required replacement. During tank replacement, staff set up a temporary chlorination system that was staffed 24 hours a day. Both tanks were successfully replaced and placed back into service without interruption.



Transportation of new sodium hypochlorite storage tanks for Copper Basin



Crane lifting new sodium hypochlorite storage tank at Copper Basin

Staff continued coatings of various equipment, structures, and pipelines throughout Metropolitan's system. In June, staff performed coating work at Lake Mathews, Skinner plant, Orange County flow control structures, San Diego Pipeline Nos. 1 and 2, and the Lake Perris Pumpback facility.

Staff cleaned accumulated sediment and dried algae within the 34-acre Diamond Valley Lake Forebay. Two street sweepers were used to efficiently complete this work. The forebay cleaning is conducted periodically based on its condition and availability for maintenance. *(see photo right)*

Street sweepers cleaning the Diamond Valley Lake Forebay



WATER SYSTEM OPERATIONS

CORE BUSINESS: OPTIMIZE MAINTENANCE continued...

Staff continued repairs and refurbishment at Valley View Hydroelectric Plant in Yorba Linda. In June, staff removed the generator rotor, performed electrical testing, and transported the rotor to a repair facility. This project is expected to be complete in fall 2018.



Removal of rotor at Valley View Hydroelectric Plant



Rotor from Valley View Hydroelectric Plant being transported for refurbishment

Staff continued Metropolitan's system-wide preventive and corrective maintenance program. During maintenance work at the Ramona Pressure Control Structure, staff discovered a leak at a coupling on a 30-inch control line. After isolating the control line, staff determined that the coupling could not be repaired and needed to be replaced. A new 30-inch coupling was procured and installed to mechanically join two pipe segments, which allowed the control line to be returned to service. *(see photos below)*



Left: Removal of leaking coupling on 30-inch control line
Right: Installed 30-inch control line with new coupling



The La Verne Shops completed refurbishment of the Corona Tower throttling gate. The throttling gate regulates flow for the Lower Feeder and the Corona Hydroelectric Plant. Staff refurbished failed components of the gate, including a 36-foot-long shaft. 3D scans of the shaft were performed, before and after refurbishment, to ensure the gate was within required tolerances and ready for installation. The gate will be installed and the hydroelectric plant is expected to return to service in July 2018.

WATER SYSTEM OPERATIONS

CORE BUSINESS: PROTECT SOURCE WATER QUALITY

The California Department of Water Resources treated Silverwood Lake on June 1 and Castaic Lake on June 14 with copper sulfate to control blooms of cyanobacteria that were producing elevated levels of the taste-and-odor compound geosmin. Although there are no health impacts from geosmin in drinking water, sensitive consumers can detect its musty odor at concentrations higher than 10 ng/L in treated drinking water. Silverwood Lake was treated again on June 22, because the bloom was not fully controlled by the earlier treatment and elevated geosmin levels were detected at the influent to the Mills plant (33 ng/L). These copper sulfate applications required extensive cooperation and coordination between Metropolitan and DWR staff to ensure that sufficient copper sulfate and helicopter services were available to expedite the treatments. *(see photos below)*

In early June, an extensive cyanobacterial bloom in Diamond Valley Lake began producing high concentrations of geosmin. The bloom also produced microcystin (a cyanotoxin), which prompted the posting of a precautionary advisory notice at DVL on June 15. Cyanotoxins are not regulated in either drinking water or recreational water; the advisory notice was posted based on State Water Resource Control Board guidelines for voluntary recreation action. The advisory notice cautioned lake users to stay away from green scum, to gut and clean fish with tap or bottled water, and to avoid touching or drinking lake water. The results of additional monitoring prompted the complete closure of the lake to all recreation on June 21, as microcystin concentrations exceeded the Control Board recommended target level of 20 µg/L. Closing the lake was a non-regulatory voluntary action intended to minimize the risk to public health. Advisory and subsequent closure notices to lake users were developed and distributed. The bloom covered most of the lake's surface, so treatment was not a practical option. This bloom event was a recreational water concern with no impact on Metropolitan's treated water as the lake was not being used to supply treatment plants. The lake will be reopened when ongoing monitoring demonstrates that the concentration of cyanotoxins has decreased below the state's target level guideline. Caution or warning notices may still be posted, depending on results of continued monitoring.



1. DWR loading copper sulfate into hopper at Silverwood Lake
2. Helicopter taking copper sulfate to treat Silverwood Lake
3. Copper sulfate treatment at Silverwood Lake

WATER SYSTEM OPERATIONS

CORE BUSINESS: MANAGE THE POWER SYSTEM

In June, Metropolitan initiated a planning process with the California Independent System Operator (CAISO) for the Colorado River Aqueduct transmission system in 2019. The main purpose of the CAISO transmission plan is to maintain or improve reliability of the transmission system. A transmission plan is required every year; however, this is the first transmission plan Metropolitan has been involved with as the registered Transmission and Resource Planner for the CRA transmission system. In prior years, the transmission plan was completed by Southern California Edison under a Service and Interchange Agreement, which expired at the end of September 2017. The transmission plan describes how the CRA transmission system would respond under adverse conditions to ensure stable and reliable operations. The plan considers changes to the regional transmission grid over the next 10 years. The transmission plan is expected to be complete in July 2018.

WATER SYSTEM OPERATIONS

CORE BUSINESS: IMPROVE SECURITY AND EMERGENCY RESPONSE

On May 23, staff participated in a half-day tabletop training exercise on responding to an active shooter incident at a Metropolitan facility. Security staff led the exercise that included information on past active shooter incidents in other jurisdictions, emergency first-aid treatment, and recommended response actions.

On June 3, Water Quality Incident Command Center staff held a tabletop exercise for responding to an unknown contamination threat. This discussion-based exercise gave staff the opportunity to review emergency procedures and work through the process of identifying an unknown contaminant, coordinating with outside agencies, and responding to a contamination event.

WATER SYSTEM OPERATIONS

CORE BUSINESS: PROVIDE TECHNICAL SUPPORT TO MEMBER AGENCIES

Staff continued construction support for Castaic Lake Water Agency's service connection CLWA-01, located in Santa Clarita. Construction is approximately 70 percent complete, with a tentative shutdown for final tie-in to the Foothill Feeder in early 2019.

WATER SYSTEM OPERATIONS

CORE BUSINESS: 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 May 2018.

WATER SYSTEM OPERATIONS

CORE BUSINESS: OPTIMIZE WATER TREATMENT AND DISTRIBUTION

Staff completed the first upgrades to remote terminal units (RTUs) at the Skinner plant. An RTU provides remote monitoring and control of process equipment such as valves, meters, and pumps at the treatment plants and within the distribution system through a computerized supervisory control and data acquisition (SCADA) system. Staff developed an RTU installation layout that will be a template for other facility installations. These upgrades keep Metropolitan’s SCADA system online and secure until a complete SCADA replacement system can be designed and procured. Metropolitan is in the planning phase for a comprehensive replacement of its entire SCADA system. *(see photo right)*



Upgraded wall-mounted remote terminal unit (RTU) at the Skinner plant

Staff upgraded an RTU to support the installation of a new butterfly valve at the Inland Feeder Pressure Control Structure. Staff created new SCADA points, installed communication hardware, and connected control lines to ensure proper functioning of the new butterfly valve.

Staff worked on startup of a new sodium hypochlorite system at the Weymouth plant *(see photo right)*. This system will be used to control biological growth within the filters, considering the Weymouth plant’s switch to ozone as its primary disinfectant and use of biofiltration. Staff worked on troubleshooting equipment, including verifying chemical compatibility, equipment condition, and operational reliability. Staff is continuing to test the equipment and the sodium hypochlorite system is expected to be fully operational in August 2018.



Staff replaced dam monitoring equipment at Diamond Valley Lake. This equipment is used to provide routine monitoring and early warning of changes in dam integrity. Staff installed a new wireless network on all three dams at Diamond Valley Lake (East, West, and Saddle), as well as a new optical tracking system, data collection hardware, and solar power capability. This work is part of the Diamond Valley Lake Dam Monitoring System capital project.

“Laser Gun” survey measuring equipment at Diamond Valley Lake

WATER SYSTEM OPERATIONS

CORE BUSINESS: OPTIMIZE WATER TREATMENT AND DISTRIBUTION *continued...*

Staff removed inefficient T12 fluorescent light fixtures in the basement of the administration building at the Jensen plant and replaced them with more efficient LED fixtures. These new fixtures will save money on power consumption and require less maintenance given the extended lifecycle of the lamps and ballasts. The new LED fixtures also provide more lumens to the work area, which improves safety and productivity. *(see photos below)*



Previous lighting in the basement of the Jensen plant administration building



New lighting in the basement of the Jensen plant administration building

Staff installed ultrasonic level sensors in two new sodium hypochlorite tanks at the Jensen plant. Sodium hypochlorite is used during the filter backwash process to manage biological growth within the filters. The new sensors indicate the level of the chemical within the tanks, both locally and remotely, to ensure proper storage and operation. In the event of a high level alarm during filling of the tanks, the sensors will close a valve to prevent the tank from overflowing, thereby improving operational safety and reliability. *(see photos below)*



New sodium hypochlorite tanks at the Jensen plant



Level indicator displays on sodium hypochlorite tanks at the Jensen plant

WATER SYSTEM OPERATIONS

CORE BUSINESS: SUPPORT EDUCATION AND OUTREACH INITIATIVES

Staff provided two tours of Diamond Valley Lake to guests from Three Valleys Municipal Water District and students from the University of La Verne. Participants toured the West Dam, Inlet/Outlet Tower, and Wadsworth Pumping Plant, and received a presentation on Metropolitan's operational activities. University of La Verne students also toured the Skinner plant ozone facilities.

Staff provided a tour of the Weymouth plant and Water Quality Laboratory for HIRE LA's Youth. This is an employment program in which inner-city youth can receive workforce readiness training that emphasizes basic business practices such as time management, workplace courtesy, and financial management. Staff also provided a tour of the Diemer plant to the Urban Water Institute/Mountain Counties Water Resources Association. This Association is a non-profit organization that provides education and legislative advocacy for water agencies in the Sierra Nevada foothills. Presentations on water treatment facilities, water quality and treatment issues, and plant operations and maintenance activities were provided.

Staff assisted with one, two-day CRA employee inspection trip in June. A total of 30 Metropolitan employees participated in a boat trip on Copper Basin and a walking tour of the Whitsett Intake Pumping Plant at Lake Havasu.

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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WATER SUPPLY CONDITIONS as of JUNE 30, 2018

