



THE METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA

GENERAL MANAGER'S MONTHLY ACTIVITY REPORT JULY 2014

July 31, 2014

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

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GENERAL MANAGER'S BUSINESS PLAN FISCAL YEAR 2014/15.

There are five key strategic priorities that the Office of the General Manager will be focused on for the period covered by the biennial budget (FY 2014/15 and 2015/16). Additionally, Groups continue to work on core business.

STRATEGIC PRIORITY #1

Complete the Bay Delta Conservation Plan and the Associated Environmental Impact Report / Environmental Impact Statement

STRATEGIC PRIORITY #2

Develop Water Supplies and Manage Water Resources

STRATEGIC PRIORITY #3

Educate the Public and Stakeholders on Critical Water Supply and Critical Water Management Decisions

STRATEGIC PRIORITY #4

Employee Development

STRATEGIC PRIORITY #5

Local Projects and Integrated Plan Updates

BAY DELTA INITIATIVES

GM STRATEGIC PRIORITY: COMPLETE BAY DELTA CONSERVATION PLAN

Continue to provide leadership in the process to restore the reliability of the State Water Project with the goal of completing the Environmental Impact Report/Environmental Impact Statement within the upcoming fiscal year reaching decisions on the project.

Complete the final Bay Delta Conservation Plan and the associated Environmental Impact Report/ Environmental Impact Statement.

Bay Delta Conservation Plan—The public comment period for the Draft Bay Delta Conservation Plan and the accompanying Draft Environmental Impact Report/Environmental Impact Statement (DEIR/EIS) concluded on July 29. Metropolitan staff completed several months of DEIR/EIS review, coordination with other public water agencies, and development of detailed comments, and submitted a comprehensive set of comments on July 29.

CORE: BAY DELTA SOLUTIONS

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

Develop long-term Delta improvements through the Bay Delta Conservation Plan, including measures that implement conveyance and species conservation improvements.

Delta Stewardship Council—The Delta Stewardship Council (Council) met on July 25, and the meeting focused on activities of the Delta Science Program. The Delta Science Program organized two independent science expert panels to review scientific reports, receive presentations, and identify the best available science regarding Delta outflows and interior Delta flows to assist the State Water Resources Control Board in revising and updating the Bay-Delta Water Quality Control Plan. Representatives from the two expert panels and the Control Board presented the findings. The Council also received updates on implementing the performance measures in the Delta Plan and on progress of getting the Delta Levee Investment Strategy underway.

The Council also has started their recruitment process for the Lead Scientist position of the Delta Science Program. The Lead Scientist is the principal liaison between the Delta Science Program, Independent Science Board, and the Council.

Compton Mayor Aja Brown was appointed to the Delta Stewardship Council by Speaker Atkins on July 30. Mayor Brown will be taking the seat held by Metropolitan Vice Chair Gloria Gray whose term expired.

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

Bay Delta Emergency Preparedness—Metropolitan completed review of California Department of Water Resource's interagency draft Delta Flood Emergency Management Plan and coordinated with the State Water Contractors to submit comments to DWR. DWR expects to release the final document by late 2014. DWR's Working Group of federal, state and local emergency response agencies continue to provide input.

DWR also continues to develop emergency rock stockpile sites in the Delta, with the goal of doubling rock stockpiles at their Stockton and Rio Vista storage sites. At Stockton, DWR will complete site development, build at least two permanent water-land access load-out facilities, and add a warehouse for a total of three major warehouses by 2015. This will allow stockpiling of fabric-lined wire cages and plastic muscle wall (similar in appearance to freeway k-rails), filled with soil and water respectively in actual emergencies, along with sand bags and visqueen plastic sheeting to rapidly restore levee freeboard. In West Sacramento, the U.S. Army Corps of Engineers (Corps) has stockpiled fabric lined wire cages, large super sacks, and rapid deployment flood walls for closure of breaches and restoration of freeboard. A DWR contract will be issued to purchase large sheeppile as a (continued on page 3)

BAY DELTA INITIATIVES

CORE: BAY DELTA SOLUTIONS

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

Complete the final Bay Delta Conservation Plan and the associated Environmental Impact Report/ Environmental Impact Statement...continued.....

construction measure for rock in order to close deep levee breaches. Combined, these stockpiles could close several deep breaches and restore several miles of levee slumping from a major earthquake to facilitate development of an emergency freshwater pathway.

DWR and the Corps are updating and integrating their internal procedures, including coordinating their emergency response tactics and field data collection modeling to assess and guide resources in actual emergencies.

BUSINESS TECHNOLOGY

CORE: BUSINESS PROCESSES AND INFORMATION TECHNOLOGY

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

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

Information Technology Strategic Plan Update (ITSP)—The ITSP, which provides a roadmap to guide the investment and deployment of information technology at Metropolitan, is currently being updated. Staff and the consultant have completed a draft of the assessment report, and will begin the development of the architectural document that will guide a review of the current information systems, databases and applications.

Digital Signature Application—Staff completed an evaluation and prepared the RFP to pilot an electronic signature application that will allow Metropolitan to reduce paper usage and increase efficiency in retaining electronic data.

Request for Proposals and Request for Qualifications—Staff is reviewing an electronic evaluation tool for processing RFPs and RFQs to determine how an online evaluation tool will expedite and streamline the review of submittals for professional services contracts and provide uniformity in the evaluation process.

2014 Achievement of Excellence in Procurement Award—Metropolitan's purchasing staff earned the 19th Annual

Achievement of Excellence in Procurement for 2014. Metropolitan is one of only 46 government agencies in California and one of only 31 special districts in the United States to receive the award. This is the eighth consecutive award for Metropolitan and the tenth AEP award.

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

Voice over Internet Phone Project—Staff conducted vendor interviews and made a selection for the design and implementation of Voice over Internet Protocol (VoIP) Technology as part of the competitive Request for Proposal.

Emergency Radio Communications System—Staff and vendor conducted a kick-off meeting for system upgrades to ensure the reliability of Metropolitan's emergency response capabilities.

Oracle 12 eBusiness Suite—Staff has reviewed the RFPs to upgrade Oracle 12 eBusiness Suite, with plans to interview potential vendors next month and develop a short list of candidates. The upgrade is required to enhance functionality and maintain currency and support.

(Continue on page 4)

BUSINESS TECHNOLOGY

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

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

IT Disaster Recovery—Staff has initiated planning for an upcoming disaster recovery test next month. This exercise is part of an ongoing effort to refine Metropolitan’s ability to recover critical business processes in the event of a disaster. The exercise’s major objectives include test of recovery procedures for business systems and network infrastructure; set-up of a Disaster Recovery Facility from Union Station; validate recovery times and objectives; and identify areas requiring enhancements.

Bay Delta Conservation Project/IT Support—Staff interviewed stakeholders to determine requirements for connectivity and availability of IT applications, infrastructure, and support for a construction office.

Laboratory Information Management System—The Water Quality LIMS databases and application have been tested. Upgrade of the database and deployment of the application are scheduled to be completed in August 2014.

Foster a culture of innovation.

H2O TechTalk—Business Outreach and IT staff conducted the third in an ongoing series of lunchtime technology forums presenting the top ten tips to help users navigate Windows 7 and Office and demonstrated quick access tools for commonly used programs and actions.

Water Innovation and Technology—Metropolitan hosted the sixth U.S. Water Technology Approval Group where innovators present emerging technology to our member agencies, staff, and consultants specializing in cleantech.

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

Headquarters Building Energy Audit—Staff has contracted with a vendor for a comprehensive energy audit that aims to secure the lowest life-cycle operating costs in concert with effective and sustainable facility management.

Our Legacy E-Newsletter Issue 91, *Green is Great for Pets*, encourages readers to incorporate green practices into their pets’ daily routine to improve their health and well-being.

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

Small Business Enterprise Certification—Business Outreach staff partnered with the Port of Long Beach, City of Long Beach, Metrolink and Planet Bids to hold three Users Group meetings regarding adopting uniform Small Business Certification Procedures, streamlining processes, solving SBE Certification issues, and applying best practices in SBE Certification.

2014 California Construction Expo—On July 31, Metropolitan, the Los Angeles Unified School District, L.A. World Airports, Port of Long Beach, Metropolitan Transportation Authority, and California’s Department of General Services hosted the California Construction Expo 2014. The theme for this year’s Expo was *Planes, Trains, Cranes, & Cargo: Constructing California*. The Expo provided an opportunity for small and large businesses to learn about construction contracting opportunities offered by numerous government agencies throughout the region. This was the ninth year that Metropolitan has co-hosted the Expo. Over 2,000 people attended the Expo.

Metropolitan’s Business Outreach staff supported:

- Southern California Minority Development Council at their annual Supplier of the Year Awards.
- American Indian Chamber of Commerce EXPO 2014.
- Southwest Water and Energy Consortium, Los Angeles
- American Indian Chamber Annual Luncheon, Los Angeles
- National Center for American Indian Enterprise Development, San Diego



BUSINESS TECHNOLOGY

CORE: BUSINESS PROCESSES AND INFORMATION TECHNOLOGY continued...

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

Three annexation requests are in the process of either conditional or final board letter processing. Among these requests is San Diego County Water Authority's request for conditional annexation with Metropolitan's standby charge levy of Campus Park West. Another annexation has received Board approval and is currently in the LAFCO (Local Agency Formation Commission) process for completion.

Annexation staff has begun an effort to combine the Board actions for annexations in GIS (Geographic Information System). Documents, links and data pertaining to each Board-approved annexation will be stored in spatial format to minimize storage requirements and to facilitate document access.

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

Administrative Assistant and Analyst Development Program—Managing Stress Effectively – Construct the Life you Desire was the topic for this month, which emphasized balancing career aspirations and personal goals. This development program is a partnership between the Business Technology Group and Human Resources.

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 functions thus ensuring continuity of operations in the event of a disaster.

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

Completed the draft report of the Business Impact Analysis for presentation to the Emergency Management Working Group. Analysis of the findings will continue and recommendations will be modified in accordance with the analysis.

CORE: FINANCIAL MANAGEMENT

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

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

Staff continues to provide the necessary liquidity for Metropolitan's operational and capital expenditures with no loss of principal, and no policy violations, while generating a portfolio return that exceeded the benchmark.

ENGINEERING SERVICES

CORE: INFRASTRUCTURE RELIABILITY

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

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

Distribution System Reliability Program

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

- Lake Mathews Forebay Valve Replacement and Repairs—This project replaces the Howell-Bunger valves at the Lake Mathews forebay and repairs concrete on the forebay lining and outlet tower. Preliminary design is seven percent complete and is scheduled to be complete by July 2015.
- Lake Mathews Hydroelectric Plant Structural Repairs—This project repairs spalled concrete and corroded reinforcing steel at the Lake Mathews hydroelectric plant. Final design is 10 percent complete and is scheduled to be complete by January 2015.
- Carbon Creek Pressure Control Structure Seismic Assessment—This project performs needed seismic upgrades to the pressure control structure. The seismic assessment is 90 percent complete and is scheduled to be complete by August 2014. A request to the Board for authorization of preliminary design is planned for September 2014.
- Lakeview Pipeline/Inland Feeder Intertie—This drought-response project constructs an intertie from the Inland Feeder to the Lakeview Pipeline to enable water stored in Diamond Valley Lake to serve as a backup supply for the Mills plant. The work will be completed in two phases. Phase 1 includes construction of the intertie at the PC-1 pressure control structure, and installation of a surge protection system at the Perris Pumpback Facility. The second phase includes lining of a one-mile-long portion of the Lakeview Pipeline known as the Bernasconi Tunnel. The construction contract for Phase I was awarded in June 2014 and the intertie is scheduled to be complete by October 2014. *(see photo right)*

- Cathodic Protection—This program installs cathodic protection systems to inhibit corrosion of buried metallic pipes.
 - * Second Lower Feeder Cathodic Protection—This project is installing 30 stray current drain stations along a 14-mile portion of the Second Lower Feeder. Construction is 99 percent complete and is scheduled to be complete by August 2014.
 - * Sepulveda Feeder North Cathodic Protection—This project is installing 23 stray current drain stations along a 15-mile portion of the Sepulveda Feeder. Construction was completed in June 2014.
 - * Sepulveda Feeder South Cathodic Protection—This project is installing 22 stray current drain stations along an 8-mile portion of the Sepulveda Feeder. Construction is 40 percent complete and is scheduled to be complete by August 2014.



Lakeview Pipeline/Inland Feeder Intertie—Pipe Excavation

ENGINEERING SERVICES

CORE: INFRASTRUCTURE RELIABILITY (continued...)

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

Right of Way and Infrastructure Protection Program

This program performs needed site improvements within the distribution system such as erosion protection, and addresses right-of-way issues such as access easements and third-party encroachments. Programmatic environmental permits will be pursued to cover the entire conveyance and distribution system. The current status is as follows:

- Orange County and Western San Bernardino County operating regions—Preliminary design of improvements has been completed.
- Los Angeles County operating region—Field investigations have been completed.
- Riverside/San Diego County operating region—Field investigations are scheduled to be complete by September 2014.

Colorado River Aqueduct (CRA) Reliability Program

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

- 6.9 kV Switch House Building Seismic Upgrades—This project performs seismic upgrades to the 6.9 kV switch houses at all five CRA pumping plants. The switch houses contain electrical equipment that is used to stop and start the main pumping plant motors. Preliminary design is complete.
- CRA Radial Gates—This project replaces eight corroded radial gates located along the CRA. The gates are needed to dewater and isolate various reaches of the aqueduct. Final design is five percent complete and is scheduled to be complete by December 2015.
- CRA Power Cable Replacement—This project replaces leaky oil-filled power cables from the pump house to the switch house at all five CRA pumping plants. Preliminary design is ten percent complete and is scheduled to be complete by October 2014.
- CRA Over-Current Relay Replacement—This project replaces over-current relays at Intake and Gene Pumping Plants. These relays protect transmission lines and pump house equipment from fault currents. Final design is 20 percent complete and is scheduled to be complete by November 2014.

Prestressed Concrete Cylinder Pipe (PCCP) Rehabilitation Program

This program enhances the reliability of Metropolitan's water distribution system and reduces the risk of costly emergency repairs of PCCP lines. Recent activities include the following:

- Second Lower Feeder Near-Term Repairs at Sites 1 and 2—This project is lining 1,400 feet of existing PCCP segments with a steel liner. The Site 1 construction was completed in February 2014. The Site 2 construction was completed in July 2014.
- Second Lower Feeder PCCP Rehabilitation—This project is lining 28 miles of PCCP on the Second Lower Feeder with a steel liner. Preliminary design and preparation of an environmental impact report are underway. Preliminary design is approximately 35 percent complete and is scheduled to be complete by July 2015. The draft environmental impact report is scheduled to be released for public review in March 2015. (*see photo below*)



Second Lower Feeder PCCP Repairs—Transporting Collapsible Steel Liner Inside Existing PCCP Liner

ENGINEERING SERVICES

CORE: INFRASTRUCTURE RELIABILITY (continued...)

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

Water Quality/Oxidation Retrofit Program

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

Weymouth Oxidation Retrofit Project

- Main ORP Facilities—Construction of the Stage 1 ORP facilities is 59 percent complete and is scheduled to be complete by late 2016. Design of the Stage 2 facilities is 98 percent complete and construction is scheduled to be complete by late 2016.
- Weymouth ORP Chemical Facilities—These chemical systems are needed for integration of the upcoming ozonation system into the Weymouth plant's treatment process. Final design of the sulfuric acid system is complete. Final design of the hypochlorite facilities is 60 percent complete and is scheduled to be complete by March 2015. A constructability review was held in July 2014.

Treatment Plant Reliability Program

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

Diemer Plant

- Electrical Upgrades, Stage 2—This project replaces electrical equipment, improves backup capability, and upgrades the electrical system to be consistent with current codes and industry practices. Construction is 20 percent complete and is scheduled to be complete by March 2016. *(see photo upper right)*
- Yorba Linda Power Plant Turbine Replacement—This project at the Diemer plant replaces the existing Pelton wheel hydraulic turbine with a Francis turbine capable of operating under post-ORP hydraulic conditions, and modifies the electrical configuration to use the power on-site to meet energy demands of the Diemer plant. Manufacture of the turbine generator is complete and the equipment has been delivered to the site. Construction is 25 percent complete and is scheduled to be complete by August 2015. *(see photo lower right)*



Diemer Electrical Upgrades, Stage 2—Installation of Electrical Duct Bank



Yorba Linda Power Plant Turbine Replacement—Formwork for the Turbine Spiral Case

ENGINEERING SERVICES

CORE: INFRASTRUCTURE RELIABILITY (continued...)

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

Treatment Plant Reliability Program (continued)

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

Jensen Plant

- Electrical Upgrades, Stage 1—This project replaces electrical equipment, provides backup in the event of component failures, and upgrades the electrical system to be consistent with current codes and industry practices. Final design is 59 percent complete and is scheduled to be complete by February 2015.
- Jensen Module No. 1 Filter Surface Wash Upgrades—This project replaces the existing surface wash system with a new fixed nozzle system. During filter backwashing, the top surface of a filter bed is sprayed with water to break the solids that build up during the filtration process. Construction is 70 percent complete and is scheduled to be complete by December 2014. *(see photo lower right)*
- Jensen Filter Valve Replacement—This project replaces the existing Module No. 1 filter valves with AWWA-type rubber-lined butterfly valves, and upgrades the valve electrical panels. Fabrication of the equipment was completed in March 2014. Final inspection of 90 percent of the valves has been completed, and those valves have been delivered and stored. Delivery of the remaining valves is scheduled for August 2014. Final design of the installation contract has been completed.

- Jensen Solids Transfer System—This project enables Metropolitan to use four solids lagoons on the site of the Los Angeles Aqueduct Filtration Plant. The initial contract is for installation of 7,600 feet of solids transfer piping and a utility crossing structure across Bull Creek Channel. Metropolitan's Board awarded a construction contract in July 2014 and the construction is scheduled to be complete in May 2015.

Mills Plant

- Electrical Upgrades, Stage 1—This project replaces electrical equipment, provides backup in the event of component failures, and upgrades the electrical system to be consistent with current codes and industry practices. Final design is 34 percent complete and is scheduled to be complete by December 2014.

Jensen Module No. 1 Filter Surface Wash Upgrades—High Performance Butterfly Valve



ENGINEERING SERVICES

Engineering Services Group Cooperative Education Program

For Fiscal Year 2014/15, Engineering Services recruited six student interns for its Summer Program and nine student interns for its Year-Round Program. The summer and year-round intern programs are designed to provide college students an opportunity to augment their studies with practical work experience in the water industry. *(Photos below)*



Engineering Services Group Summer and Year-Round Interns Joined by Interns from the City of Los Angeles' Hire LA Youth Program



Engineering Services and Water System Operations Interns

EXTERNAL AFFAIRS

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

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

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

As part of Metropolitan's outreach to high volume water use customers, executive management met with the City of Anaheim and representatives from the Disneyland Resort to discuss Southern California's water issues and opportunities for collaboration. Staff also continued discussions with the beverage industry.

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

- Metropolitan's multi-pronged public outreach and advertising campaign themed "Be California Friendly® / Show California Love" continued to air in July on television, radio, radio traffic and online digital throughout Metropolitan's six-county service area. The tagline "Don't waste another minute wasting water" is also used throughout the campaign to reinforce the urgent need for conservation. Radio traffic reports were also conducted on Spanish, Mandarin, Cantonese, Vietnamese and Korean stations.
- Expanded the drought information on Bewaterwise.com and developed new outreach materials: "Keep the Needle in the Blue" and "5 Things to Know about the Drought."
- Coordinated KNX Radio taping of water awareness vignette with Metropolitan's Brandon Goshi as part of Metropolitan's drought public outreach campaign.
- Coordinated taping of Spanish-language Telemundo TV's community affairs program "Enfoque Los Angeles" with Metropolitan's Luis Cetina to discuss the drought as part of Metropolitan's drought-related public outreach effort.
- Made arrangements to conduct live radio interview with Group Manager/Water Resources Management Deven Upadhyay and radio station KFRG to talk about the drought and conservation tips as part of Metropolitan's drought-related public outreach campaign.
- Set up pre-recorded interviews with Upadhyay and radio stations KDAY and KKGO for later broadcast on community affairs programs discussing the drought and water supply issues. Interviews were part of Metropolitan's water awareness and drought-related public outreach efforts.
- Provided information to KNBC-TV reporter about drought and storage conditions in Southern California.
- Arranged interview with Metropolitan's Bill McDonnell and Los Angeles Business Journal reporter for a story about turf removal and California Friendly landscaping.
- Coordinated on-camera interview with Upadhyay and KABC-TV Channel 7 News reporter for story about record low rainfall in Los Angeles and the need to conserve water to save water reserves.
- Set up recorded two-minute interview with KNX radio and host Rene Fraser and Upadhyay for a "Water is Serious Business" segment about the drought as part of Metropolitan's drought-related public outreach effort.
- Arranged interview with McDonnell and also provided extensive background information to KPCC reporter for a story about turf removal.
- Made arrangements for McDonnell to talk on camera about water-saving devices on KTLA's "Water Wise Wednesdays" segment as part of Metropolitan's drought-related water awareness public outreach campaign.
- Issued press release highlighting Metropolitan's new television advertising promoting water conservation and water awareness during the drought.

EXTERNAL AFFAIRS

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

Secure support for the Bay Delta Conservation Plan (BDCP) to maintain State Water Project supplies, including any regulatory and/or legislative policies and funding needed to facilitate its implementation.

- In coordination with member agencies, staff helped secure more than 100 comment letters on the draft BDCP Environmental Impact Report/ Environmental Impact Statement prior to the July 29 deadline.
- In July, Metropolitan staff coordinated with multiple organizations to distribute action alerts and newsletter features on the BDCP prior to the July 29 deadline of the BDCP public comment period. These alerts were distributed by the Los Angeles County Business Federation (BizFed), the Los Angeles Chamber of Commerce, the Southwest California Legislative Council, and others.
- On July 21, Metropolitan staff gave a presentation on the BDCP and Water Bond to the Oxnard Chamber of Commerce's Water Committee. This presentation addressed an audience which included district staffers from the office of U.S. Representative Julia Brownley (CA D-26, Westlake Village) CA State Senator Hanna Beth Jackson (D-Santa Barbara), and CA Assembly Member Jeff Gorrell (R-Camarillo).
- On the weekend of July 11-13, Metropolitan staff along with Paul Helliker of the California Department of Water Resources presented on the BDCP at the Independent Cities Association Conference before 300 attendees in San Diego.

CORE: LEGISLATIVE, COMMUNICATIONS AND COMMUNITY RELATIONS

Engage the public, labor, business community, agriculture, government leaders, non-governmental organizations, and other stakeholders in California's water issues, communicating Metropolitan's interests and Board-adopted policies through federal and state legislative strategies, multimedia and multi-cultural communications, and educational and other outreach programs.

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

FEDERAL

On July 15, staff attended a House Transportation and Infrastructure Subcommittee hearing on legislation relevant to the Administration's proposed federal rulemaking regarding definition of "waters of the United States" under the Clean Water Act.

On July 28-31, staff attended the National Water Resources Association's annual Western Water Conference in Flagstaff, Arizona. The conference covered a broad range of topics that have potential impacts to the delivery and use of water throughout the western United States. Staff worked with Metropolitan Directors Griset and Ackerman in connection with developing a Municipal Caucus program during the conference.

Groundwater Sustainability

SB 1168 (Pavley, D-Agoura Hills) and AB 1739 (Dickinson, D-Sacramento) were heard in their respective Assembly and Senate water policy committees on June 24. Both Senator Pavley and Assembly Member Dickinson expressed their intent.

STATE

2014 Water Bond (reporting on July activity)

The number of water bond measures has narrowed from 11 to four, those being: SB 848 by Senator Lois Wolk (D-Davis); AB 1331 by Assembly Member Anthony Rendon (D-Lakewood); AB 2043 by Assembly Members Connie Conway (R-Tulare) and Frank Bigelow (R-O'Neals); and AB 2686 by Assembly Member Henry Perea (D-Fresno). Discussions and negotiations on the Water Bond(s) continued through July and into August..

EXTERNAL AFFAIRS

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

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

- On July 2, Director Evans and staff from Metropolitan, Western MWD and Eastern MWD met with U.S. Representative Mark Takano (CA D-41, Riverside) at his local district office to brief him on the California drought conditions and to also brief him on the Bay Delta Conservation Plan and the negotiations on a 2014 Water Bond.
- On July 16, Director Glen Peterson and Metropolitan staff met with Assembly Member Matt Dababneh (D-Encino) in his local district office to provide an overview of Metropolitan, the historic California drought, the importance of the BDCP and status of negotiations of a 2014 Water Bond. Also discussed the actions that Metropolitan is taking to educate the public regarding the importance of conservation and rebates available for the public that will help conserve water.
- July 25, Metropolitan Directors and staff met with Assembly Member Muratsuchi to brief him on Metropolitan's 2014 legislative positions and priorities. Included in the briefing was an update on the current statewide drought, planning for future water supply reliability with the BDCP and an overview of Metropolitan's Board-adopted priorities for the proposed 2014 Water Bond.

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

- Made arrangements for General Manager Kightlinger to discuss BDCP, Water Bond, Colorado River and related issues with Los Angeles Times editorial page editor, KQED, KPCC, and others.
- Arranged interviews for Group Manager Upadhyay and radio reporters regarding the State Water Resources Control Board adoption of water restrictions.
- Set up on-camera interview with Group Manager Green and Fox 11 TV News Los Angeles reporter for a story about a taste and odor problem at Silverwood Lake that affected parts of Metropolitan's service area.
- Provided information to Ag Alert reporter about Metropolitan's Central Valley groundwater banking program.
- Issued press release about Metropolitan increasing the goal for small business participation in its projects and programs to 25 percent.
- Issued separate press releases about two new members from the city of Fullerton and the Central Basin Municipal Water District seated on Metropolitan's Board of Directors.
- Over 73,000 people visited bewaterwise.com® in June 2014.
- Online search on Google Search and the Google Content Network continues this month. Links to bewaterwise.com appear when keywords such as "water," "California weather," and "water rebates" are searched for by Southern California users.

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

- Conducted tours of the Western Science Center for about 25 K-12 students; conducted workshop for high school students for Boys Republic of Monrovia; and conducted Perris Aquatic Club tour for 100 students.
- Over 4,200 unique visits to the Education website were logged from June 16 – July 15, 2014.

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

- Distributed 300 notices to residents in the communities of San Jacinto and Nuevo in preparation for the Lakeview Pipeline/Inland Feeder Intertie project.

HUMAN RESOURCES

STRATEGIC PRIORITY: EMPLOYEE DEVELOPMENT

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

Acquire talent.

- Hired 10 youths in support of the Hire LA Youth program.
- Reviewed options for utilizing LinkedIn for advertising Metropolitan positions.
- Successfully processed and provided orientation to the new class of apprentices.

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

- Continued development of the Water System Operations Management Academy to prepare employees for future management opportunities.
- Developed materials to implement the Administrative Assistant/Administrative Analyst Development program to the rest of Metropolitan after a successful pilot in the Business Technology Group.

Partner with senior leadership to address future business, organizational, cultural and people challenges.

General Manager Kightlinger, Chairman Record and members of the senior leadership team led a series of presentations at the 2014 all-manager Management Forum. Topics included Metropolitan's future direction, preparing for a multi-generational workforce, and a nationally recognized expert spoke about engaging and motivating employees. *(see photos page 15)*

Foster management excellence.

Participated in a weeklong Leadership Summit and Workshop to evaluate comprehensive leadership development process and 360 degree feedback tool to improve leader effectiveness and to foster business-focused employee development.

CORE: HUMAN RESOURCES EXCELLENCE

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

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

Ensure a high-performance culture.

Presented the findings from the Voices 2014 Employee Survey at the 2014 Management Forum and prepared a narrated presentation that was sent by the General Manager to Metropolitan's workforce. This year, two-thirds of employees (67 percent) participated in the survey and the overall feedback was 62 percent favorable on the 48 topics assessing Metropolitan as a high performance workplace. Senior management has met to discuss the survey and will be developing recommendations based on the feedback.

Manage classification and compensation.

- Created new job descriptions for Water System Operations based on business need and updated various job descriptions.
- Completed market salary analysis for the Department Head Compensation review process.

Maintain compliance and effectiveness in benefit programs.

- Continued with the Request for Proposal process for the Deferred Compensation programs.
- Participated in CalPERS Focus Group meeting to share comments and issues regarding medical benefit program provided by CalPERS.

HUMAN RESOURCES

CORE: HUMAN RESOURCES EXCELLENCE continued.....

Identify, assess and manage risk.

- The Risk Management Unit completed 46 incident reports communicating instances of Metropolitan property damage, liability, workplace injuries, regulatory visits and spills.
- Risk Management completed 85 risk assessments on contracts, including professional service agreements, construction contracts, entry permits, special events and film permits.

Continue to implement technology solutions that support various Human Resources functions, processes and procedures.

Processed over 500 performance evaluations and merit increases with no errors, within established deadlines, to prevent retroactive pay calculations for payroll staff.

Working with a consultant, staff reviewed Benefits set-up in PeopleSoft to revise structure. This revision will be implemented in the next few months and will reduce workload of payroll, benefits, and HR Information System staff.

Control Workers' Compensation Costs.

- Conducted initial investigations on 20 injury incidents.
- Submitted 13 new claims to Metropolitan's workers' compensation claim administrator.
- Completed workers' compensation claim transition process, moving 133 open claim files to the new workers' compensation claim administrator.
- Conducted MedVan evaluations at Jensen and Diemer facilities.
- Arranged 9 medical evaluations (DMV, medical surveillance, hearing conservation, etc.).
- Coordinated 1 random drug/alcohol tests.
- Addressed 3 accommodation issues.
- Conducted a blood drive for the American Red Cross.

Management Forum—GM Jeff Kightlinger, Guest Speaker Joseph Folkman



REAL PROPERTY DEVELOPMENT & MANAGEMENT

CORE: Real Property Acquisition, Management and Revenue Enhancement

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

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

- A license agreement between Metropolitan and Southern California Edison Company regarding the communications equipment at Johnstone Peak was renewed. It also amended the rent and use fees and updated the list of equipment.
- An entry permit was acquired allowing Metropolitan access onto property for construction repairs to the Lakeview Pipeline Intertie Project.
- Staff provided property research, valuation, and planning support to Bay Delta Initiatives related to potential near- and long-term projects in the Delta.
- Staff continues to work with Legal and Engineering Services to assure that Metropolitan has appropriate access for repair projects within the Right of Way and Infrastructure Protection Program for Orange County.

Pursue development of the Diamond Valley Lake area, including the Visitor Center and marina, into the creation of an area that supports recreation, provides leasing and revenue opportunities, and provides benefits to Metropolitan and the surrounding community.

In Fiscal Year 2013/14, Metropolitan received \$46,732 through June on the percentage lease with Urban Park Concessionaires for the operation of the DVL Marina, Lakeview Trail, and North Hills Trail. The rent received represents seven percent of the gross receipts. Diamond Valley Lake has hosted approximately 640,000 visitors at its marina facilities and 151,000 private boats have launched since the 2003 public opening.

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

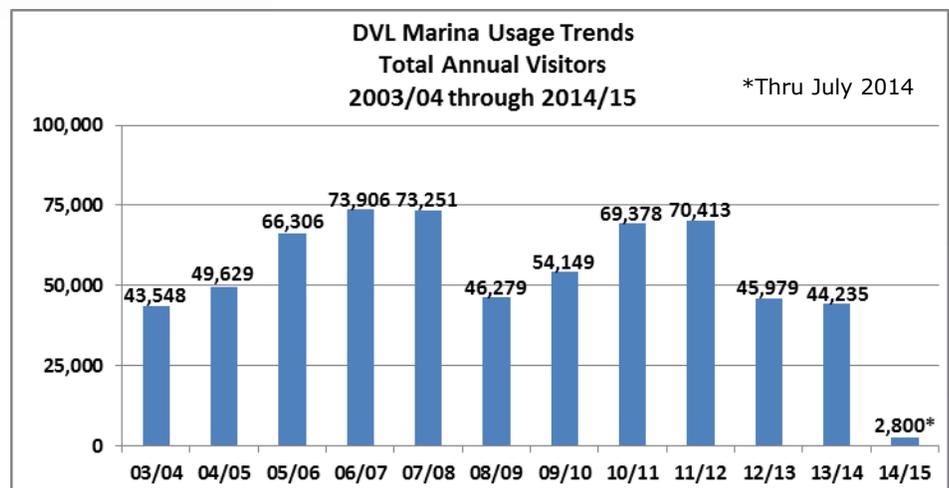
- An existing lease with the California Institute of Technology was amended to allow for the removal of existing equipment and the installation of a vault with a GPS (Global Positioning System) and solar structure near the Julian Hinds Pumping Plant.
- FVS Partners, LLC was issued an entry permit allowing potholing in conjunction with a project near the San Diego Canal in Riverside County.
- An entry permit previously issued to Riverside County allowing environmental studies for a proposed public road project near Lake Mathews was amended to extend the term for an additional year.

Foster staff training and development.

Staff attended the 7-hour National Uniform Standards of Professional Appraisal Practice Update Course.

Evaluate additional use and rental of Metropolitan Headquarters building space.

An entry permit was issued for use of parking spaces at Metropolitan's Headquarters Building for an event being held at Union Station. The entry permit also allowed for use of Metropolitan's courtyard area in conjunction with the event.



WATER RESOURCE MANAGEMENT

STRATEGIC PRIORITY: LOCAL PROJECTS AND INTEGRATED RESOURCES PLAN UPDATES

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

Implement the Local Resources Program.

On-site Retrofit Pilot Program—On July 1, 2014, the Program was successfully launched with 10 applications submitted in the first two weeks requesting approximately \$1 million for a recycled water conversion of approximately 1,100 acre-feet per year. The Program provides public and private property owners financial incentives of up to \$195 per acre-foot for five years of estimated water use to convert potable water irrigation or industrial water systems to recycled water.

Implement the Conservation Program effectively.

Water Savings Incentive Program—The Water Savings Incentive Program has reached the 100 application milestone in less than two years of existence. The program provides non-residential customers incentives for water efficiency devices or process improvements not covered by Metropolitan's other rebate programs (<http://www.socalwatersmart.com>). While still in its early stages, the program has 61 fully executed agreements with an estimated lifetime water savings of over 11,000 acre-feet. Projects include Home Owner Association landscape improvements, treatment and re-use of water in hotel and commercial laundries, process improvements in cooling towers, and water management services.

CORE: 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.

MWDOC/IRWD Wheeling Agreement—Metropolitan entered into an agreement with Irvine Ranch Water District (IRWD) to provide 1,000 AF of supplies stored in Kern County to IRWD, which is in Municipal Water District of Orange County's service area.

IRWD Exchange Agreement—Metropolitan entered into a one-for-one balanced water quality exchange with Irvine Ranch Water District for IRWD to provide up to 4,000 AF of new supplies to Metropolitan in Kern County during 2014 and Metropolitan will return up to 4,000 AF to IRWD in Kern County at a later time. Metropolitan's costs include actual extraction, transportation, and administrative costs. Under the agreement, these costs may also be reimbursed to Metropolitan under some circumstances.

East Branch Enlargement—Metropolitan, California Department of Water Resources and southern State Water Project contractors met to discuss the administrative draft Environmental Impact Report and studies related to the proposed East Branch Enlargement project. DWR is

compiling all studies and information related to the project, which has been deferred for future implementation. DWR has identified staff who will pick up the project at some future date to provide continuity in knowledge of the project.

Ensure cost-effective and reliable imported water supplies.

SWP Statement of Charges—As reported by the Chief Financial Officer at July's Finance and Insurance Committee meeting, Metropolitan has received from the California Department of Water Resources the Calendar Year 2015 State Water Project charges. DWR anticipates issuing a revision to the initial State Water Project charges in the fall.

Palo Verde Irrigation District Following Program—Metropolitan issued a following call notice to the participating landowners of the PVID/MWD Following Program. Starting August 1, 2015, landowners will be following at the 100 percent level of their commitment to the program. The water saved at the 100 percent level is projected to be more than 120 thousand acre-feet.

WATER RESOURCE MANAGEMENT

CORE: WATER SUPPLY continued...

Collaborate with member agencies to coordinate planning efforts, develop policy recommendations, and promote consistent public communications in water resource management issues.

Water Supply Allocation Plan—Staff held the first two meetings in a series of Member Agency workgroups to review Metropolitan’s WSAP. The meetings provided an overview of the existing plan, as well as the history and principles behind the plan. The review process will focus on three specific areas of the WSAP: baseline calculations, allocation formula, and enforcement issues. Workgroup meetings are scheduled to take place on a regular basis from now through October. Staff will provide the Board with an oral update on the process in August. Following completion of the review process, staff will bring forth any recommended revisions to the WSAP for Board consideration.

Updates—Staff provided presentations related to the State Water Project and drought conditions to the West Basin MWD caucus luncheon and the Southern California Water Dialogue held at Metropolitan’s Headquarters.



Rebates, Incentives and Grant Programs

 **SoCalWater\$mart Rebates**

For Homes:
High-efficiency toilets and clotheswashers

For Businesses:
High-efficiency plumbing fixtures, HVAC, commercial kitchen equipment, and more

Storage	As of 7/31/14	% of Capacity
DVL	451, 453 AF	56
L. Mathews	84,983 AF	47
L. Skinner	36,585 AF	83

Useful information:
AF = acre-foot, the volume of water to cover an acre of land, one-foot deep.
 Approximately 326,000 gallons of water, serves annual needs of two typical California families.
TAF=thousand acre-feet
MAF=million acre-feet

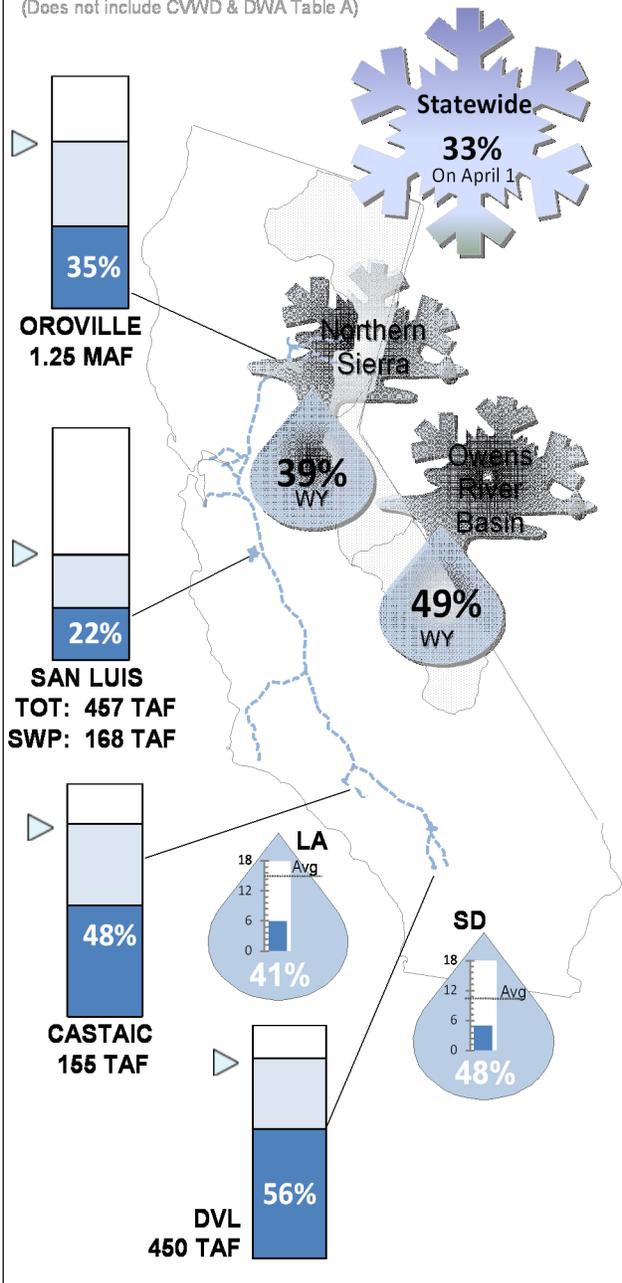
WATER SUPPLY CONDITIONS as of July 31, 2014

2014 SWP Allocation

95,575 AF

5% of Table A

(Does not include CVWD & DWA Table A)

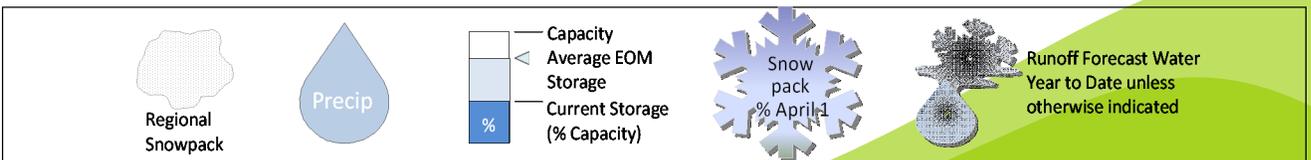
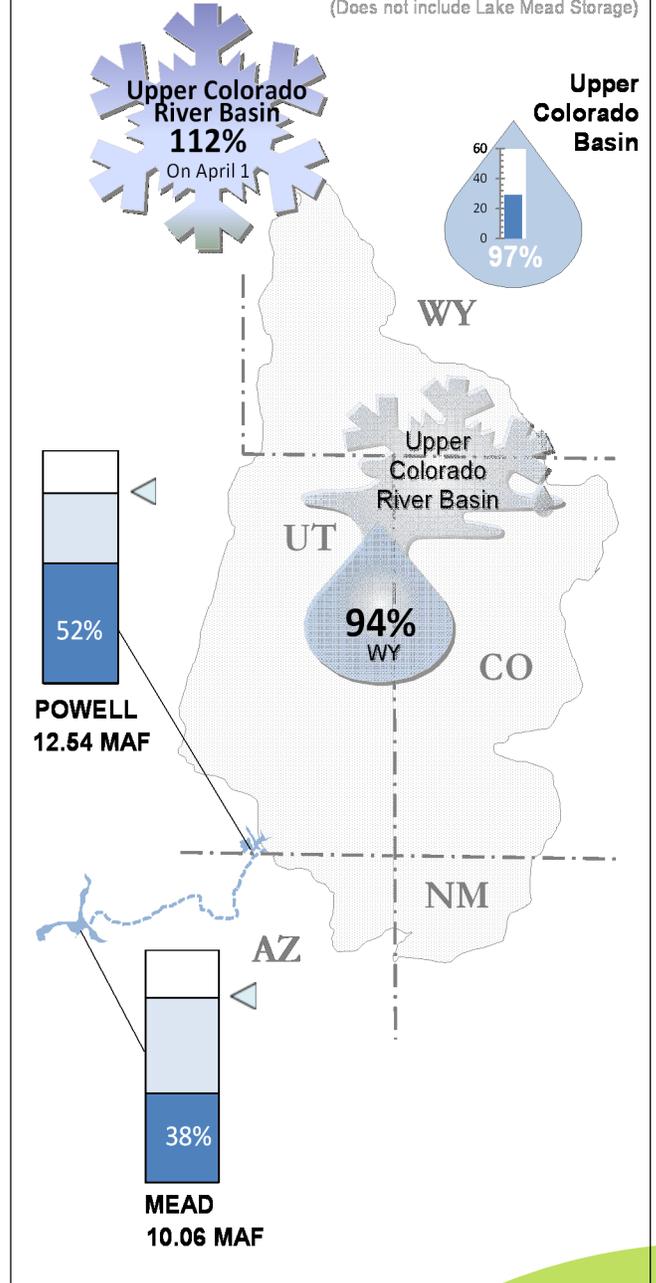


2014 Colorado River

1,172,000 AF

94% of full CRA

(Does not include Lake Mead Storage)



WATER SYSTEM OPERATIONS

CORE: PROVIDE RELIABLE WATER SUPPLIES

System Operations delivered approximately 206,000 acre-feet of water to meet member agency demands in July, which averaged approximately 6,650 AF per day. This was a decrease of 100 AF per day compared to June 2014 deliveries. Treated water deliveries for July totaled 104,000 AF, or 50 percent of total deliveries for the month. In July, 100,800 AF of Colorado River water was pumped as the CRA remained on an eight-pump flow. State Water Project imports averaged 1,806 AF per day for 56,000 AF for the month; this was a decrease of 4,000 AF from June. System Operations continued the strategy of minimizing the use of State Water Project water wherever possible. The use of SWP water accounted for 27 percent of Metropolitan's deliveries in July.

Storage at Diamond Valley Lake decreased to 450,000 AF or 55.5 percent full. This was a decrease of 70,000 AF from June 30. Inland Feeder deliveries remained suspended in July. Increased deliveries from DVL to Lake Skinner began in June to limit storage decreases in Lake Mathews; DVL is currently supplying 87 percent of Skinner area demands. SWP blends to the Weymouth, Diemer, and Skinner plants remained at zero percent due to the State Water Project allocation of five percent. The Greg Avenue pump station continued operation delivering a total of 15,100 AF of CRA since the unit was placed online in March 2014.

System Operations continued to maximize power generation throughout the month. In July, Metropolitan's hydroelectric plants generated an average of 16 megawatts per hour for 11,900 megawatt-hours for the month.

CORE: OPTIMIZE MAINTENANCE

Staff coordinated with the Western Area Power Administration (WAPA) to perform work on a 1.5 mile section of high voltage power lines interconnecting Metropolitan's system to WAPA's Mead substation. Close inspection of the lines revealed some damaged electrical insulators which separate the power lines from the towers. Working from the tower superstructure and temporary platforms, line crews used specialized "hot sticks" to replace the damaged insulators while the line remained energized.

(See photos here)



Above: Staff climbing tower for interconnection between Metropolitan and the WAPA.



Left: Staff replacing damaged insulators on power line interconnection between Metropolitan and WAPA.

WATER SYSTEM OPERATIONS

CORE: OPTIMIZE MAINTENANCE continued.....



Setting of Cofferd Dam on the Casa Loma Canal

Staff continued the system-wide coatings program aimed at preventing corrosion and extending the life of pipelines and infrastructure. One project completed this month includes a large plug valve on San Diego Pipeline No 5.

Efforts continued this month to maximize Colorado River Aqueduct deliveries into the system. As part of a larger project to move water directly from Diamond Valley Lake to the Mills plant, the supply to service connection EM-14 was converted from an SWP to a CRA source. In order to change the water supply source, a temporary coffer dam was used to construct an interconnection to the Lakeview Pipeline. The interconnection improves the operational flexibility in the area and allows CRA water to flow to EM-14. In addition, a bulkhead was installed in the Lakeview Pipeline to isolate the service connection and a future work zone. *(see photo left)*

Staff completed a second shutdown of the Second Lower Feeder. This shutdown is part of the ongoing Prestressed Concrete Pipe Rehabilitation Project. Originally scheduled for 67 days, installation of 900 feet of steel liner into the distressed portions of the prestressed concrete cylinder pipe was completed by a contractor nearly 21 days early. To date, 1,400 feet of steel liner has been installed. Installation of the next section (approximately 4,900 feet of liner) is planned for November of 2014.

Staff removed two needle valves from the Etiwanda Power Plant. The valves are being disassembled and refurbished as part of the Hydroelectric Plant Rehabilitation Program. The work is being done in conjunction with the Etiwanda Pipeline Lining Repair shutdown to avoid additional downtime of the plant. Four remaining needle valves will be refurbished during a future shutdown in late 2015.

Staff continued to update the fleet with the newest, cleanest technology available as equipment is replaced at the end of its useful life. Staff replaced two 19-year-old diesel stake bed trucks with ones powered by compressed natural gas. This represents Metropolitan's first alternative fueled pieces of equipment for heavy-duty use.

CORE: DEVELOP WORKFORCE

The Water System Operations Apprentice and Technical Training Program provides trained, qualified employees to maintain Metropolitan's water treatment and distribution systems. The Class of 2018 Mechanics and Electricians began employment on July 7, 2014. The students will be officially admitted to the Apprenticeship Program after successfully completing a probationary period. In an effort to provide teams with prepared employees, the current class attended New Employee Orientation and numerous safety training classes, observed an Apprenticeship Orientation, and received a pair of safety shoes during the first week of employment. *(see photo page 22)*

WATER SYSTEM OPERATIONS

CORE: DEVELOP WORKFORCE ..continued....



Class of 2018 mechanics and electricians participating in safety training

CORE: IMPROVE SECURITY AND EMERGENCY RESPONSE

Emergency Response Organization staff assigned to Metropolitan's Emergency Operations Center (EOC) in Eagle Rock and the field Incident Command Centers participated in a day-long training at Metropolitan's Headquarters on June 25. This training course involved 43 employees and focused on the interface between the field command centers and the centralized EOC. *(see photo below)*

On June 30, Southern California Gas Company's Emergency Management representatives visited the Operations Control Center and EOC in Eagle Rock to understand how Metropolitan responds to major emergencies. Staff presented an overview of Metropolitan's water delivery system and operations. On July 2, staff from the Los Angeles Department of Water and Power's Water Emergency Coordination Center and Water Quality labs visited the EOC and OCC facilities to take a similar tour. These types of meetings build Metropolitan's collaborative relationships with our utility partners in advance of an emergency.



Members of Metropolitan's Emergency Response Organization participating in an emergency response training class at Headquarters

WATER SYSTEM OPERATIONS

CORE: PROTECT SOURCE WATER QUALITY

On July 15 and 16, staff participated in workgroup meetings held in San Diego for the Topock Chromium-6 Remediation Project. Stakeholders discussed issues concerning the 90-percent design which is expected to be completed in September 2014. In addition, Metropolitan provided a presentation on current drought conditions and emphasized the importance of implementing the groundwater treatment system to continue protecting Colorado River drinking water supplies.

Metropolitan collaborated with the Department of Water Resources and other State Water Contractors to complete the annual Municipal Water Quality Investigations Program work plan. The work plan directs DWR to undertake key studies and activities to help protect and improve the quality of State Water Project drinking water supplies. Metropolitan benefits from this program by leveraging resources with partnering agencies to monitor Delta and SWP water quality, forecast changing water quality conditions, and receive early warning of water quality events that may impact Metropolitan operations.

Lake Silverwood continues to improve after it was treated by the Department of Water Resources to control a strong geosmin producing algae bloom in the latter part of June.

CORE: OPTIMIZE WATER TREATMENT AND DISTRIBUTION

State Water Project target blends at the Weymouth, Diemer and Skinner water treatment plants remained at zero percent for July. Flow-weighted running annual averages for total dissolved solids for May 2013 through April 2014 were 551, 558, and 533 mg/L for Weymouth, Diemer and Skinner plants, respectively.

Chlorination of the San Diego Canal to control quagga mussel growth requires monitoring to ensure the effectiveness of the disinfection process. Staff at the Skinner plant had to overcome the challenge of providing power and canal water to a chlorine residual analyzer in a remote location with no nearby utilities. Staff devised a solution by installing solar panels, a radio transmitter, and a specialized pump to supply canal water to the chlorine analyzer. The hydraulically powered pump operates solely by centrifugal force created by channeling water flow through the device. *(see photo below)*

Staff at the Jensen plant performed a major maintenance service of the oil-water separation process at the Magazine Canyon facility on the Foothill Feeder. The oil-water separator removes local oily water that seeps into the Newhall Tunnel and prevents it from entering the Jensen plant. The major overhaul work consisted of removing obsolete equipment, cleaning the media and replacing several failed valves and fittings that have reduced the effectiveness of the oil removal process. The work itself involved the coordinated work of mechanics, electricians, operators, environmental support, and a contracted waste disposal service.



Floating pump that supplies water to an analyzer from the energy of water flowing around the pump.

WATER SYSTEM OPERATIONS

CORE: PROVIDE TECHNICAL SUPPORT TO MEMBER AGENCIES

Metropolitan held a Member Agency Water Quality Managers Webinar on July 29, 2014. Invited guests from the Division of Drinking Water provided an update on the transition of the State's Drinking Water Program from the Department of Public Health to the State Water Resources Control Board.

CORE: PREPARE FOR FUTURE LEGISLATION AND REGULATION

On July 3, 2014, the State Water Resources Control Board released a revised Proposed Permit for Discharges from Drinking Water Systems. The permit covers planned and unplanned (emergency) discharges from treated drinking water, potable water, and raw water. SWRCB held workshops on July 9, 21 and 23 (hosted at Metropolitan). Staff is reviewing the draft and preparing to submit comments by the August 19 deadline.

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

Metropolitan complied with all water quality regulations and primary drinking water standards during the month of July 2014.

On June 26, staff participated in the National Safety Council's incident investigation and root cause analysis class. The class focused on techniques for gathering complete, accurate, and objective data on injury or near miss events. The investigation information will be used to determine valid and meaningful corrective actions to prevent future recurrence.

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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