



WATER TOMORROW

Regional Progress Report

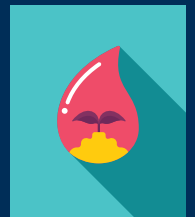
An Annual Report to the California State Legislature on
Achievements in Conservation, Recycling and Groundwater Recharge

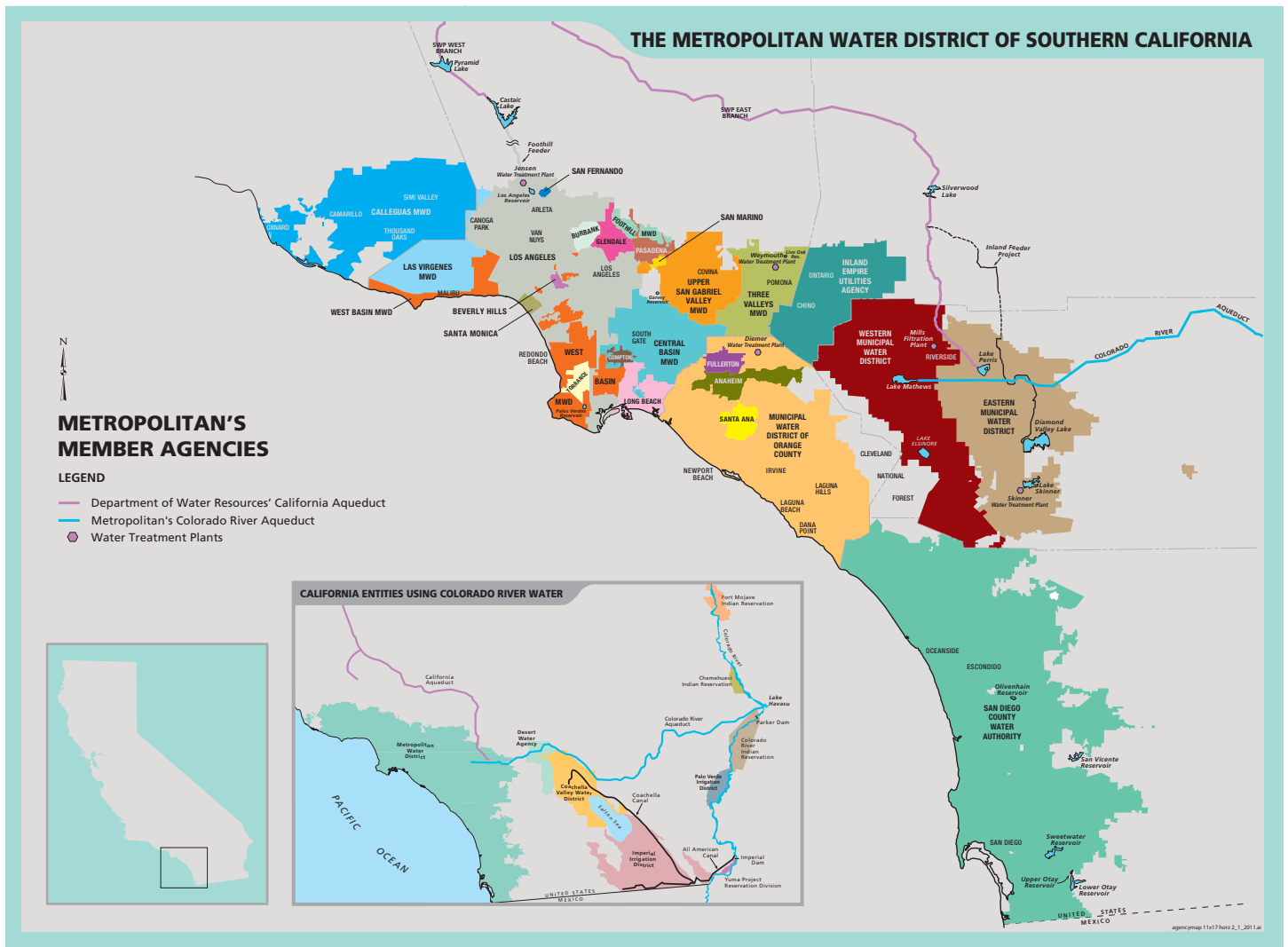


FEBRUARY 2016

Covering the reporting period
of July 2014 - June 2015

Diamond Valley Lake





About Metropolitan

The Metropolitan Water District of Southern California was established in 1928 under an act of the state Legislature to provide supplemental water supplies to its member agencies in Southern California.

Metropolitan is a public agency and a regional water wholesaler. It is governed by a 38-member board of directors representing 26 member agencies that purchase some or all of their water from Metropolitan and serve about 19 million people across six Southern California counties.

The mission of Metropolitan is to provide its 5,200-square-mile service area with adequate and reliable supplies of high-quality water to meet present and future needs in an environmentally and economically responsible way.

Metropolitan draws supplies from the Colorado River through the Colorado River Aqueduct, which it owns and operates; from Northern California via the State Water Project; and from transfer arrangements and local programs.



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INTRODUCTION

Southern California faced an extraordinary water challenge in the 2014/15 year. The Metropolitan Water District responded with an unprecedented investment in long-term conservation.

Dry conditions in 2013 and 2014 were followed by a record low Sierra Nevada snowpack in 2015, triggering a historic set of water management actions throughout the state. Gov. Jerry Brown in April 2015 ordered the first-ever statewide mandatory conservation targets for cities and a 25 percent reduction in urban water use compared to 2013 levels. That same month, Metropolitan through its allocation plan enacted reductions in water deliveries to its 26 member agencies, effective July 1, 2015.

The impact of this investment speaks for itself. Conservation efforts rose dramatically, and Metropolitan's turf removal program is expected to remove about 175 million square feet of lawn, which is more than triple the governor's goal for the entire state established in his April 2015 drought declaration. Along with conservation gained by rebates for water-saving devices and other direct conservation incentives, the cumulative impact in enhanced conservation over the coming years is the equivalent amount of water that can be held in Metropolitan's largest reservoir, the 810,000 acre-foot Diamond Valley Lake in Riverside County.

We're in a new era. The idea of your nice little green grass getting lots of water every day, that's going to be a thing of the past.

Gov. Jerry Brown, April 2015

Metropolitan responded with a focused effort to capitalize on the public's enhanced awareness of the limits of water and the need to conserve. Metropolitan expanded its existing rebate programs for turf removal and numerous water-saving products from \$20 million to \$450 million, funding the largest single investment in water conservation incentives in the nation's history. A \$5.5 million multi-media water conservation public education campaign in five languages was readied for launch.

This historic investment in conservation occurred on the 25th anniversary of Metropolitan beginning its conservation program and investing in local projects to lower demand. Over the years, Metropolitan investments have totaled nearly \$1 billion and water saved from conservation, recycled water and groundwater recovery stands at 5.2 million acre-feet. The longevity of this program speaks to the importance of a sustained conservation ethic that must continue even when any given drought cycle is finally over.

Senate Bill 60 in 1999 declared the Legislature's intent for Metropolitan to expand water conservation and other local efforts. This annual report details a historic expansion of conservation efforts in the 2014/15 year, broadening a water portfolio that maintains imported supplies as a vital foundation for a future that embraces both conservation and an ever-diversifying supply mix.

ACHIEVEMENT SCORECARD

Conservation		
FY 2014/15 Total Water Saved ¹	944,000 acre-feet	
New Water Saved From Metropolitan Conservation Credits Program ²	18,580 acre-feet	
Water Saved From Existing Metropolitan Conservation Credits Program ³	179,300 acre-feet	
FY 2014/15 Investment		
Metropolitan Conservation Credits Program Investment ⁴	\$138 million	
Member Agency Conservation Investment ⁵	\$32 million	
Metropolitan Outreach & Education	\$5.5 million	
Cumulative Savings Since 1990		
Water Saved From Metropolitan Conservation Credits Program ⁶	2,222,000 acre-feet	
Metropolitan Conservation Investment (excl. funding by member agencies)	\$495 million	
Recycled Water		
FY 2014/15 Production ⁷	414,000 acre-feet	
Water Produced From Projects Receiving Metropolitan Funding	184,000 acre-feet	
Water Produced From Projects Without Metropolitan Funding (incl. Santa Ana River base flow)	230,000 acre-feet	
FY 2014/15 Investment		
Metropolitan Funding	\$30 million	
Cumulative Production & Investment Since Inception⁸		
Production With Metropolitan Funding	2,237,000 acre-feet	
Metropolitan Investment	\$372 million	
Groundwater Recovery		
FY 2014/15 Production	115,000 acre-feet	
Water Produced From Projects Receiving Metropolitan Funding	60,000 acre-feet	
Water Produced From Projects Without Metropolitan Funding	55,000 acre-feet	
FY 2014/15 Investment		
Metropolitan Funding	\$8 million	
Cumulative Production & Investment Since Inception⁹		
Production With Metropolitan Funding	791,000 acre-feet	
Metropolitan Investment	\$132 million	
Conjunctive Use Program¹⁰		
Metropolitan Cumulative Capital Investment	\$26.5 million	
Proposition 13 Grant Funds Administered by Metropolitan	\$45 million	
Water Stored Since Program Inception through September 2015	273,000 acre-feet	
Water Extracted Since Program Inception through September 2015	239,000 acre-feet	
Groundwater Replenishment¹¹		
FY 2014/2015 Delivery	108,000 acre-feet	
Cumulative Replenishment Delivery since 1984	3,366,000 acre-feet	
Total Regional Investment	FY 2014/15	Cumulative
Metropolitan's Investment in Water Conservation, Recycled Water and Groundwater Recovery	\$176 million	\$999 million

RECORD-BREAKING INVESTMENT » RECORD-BREAKING RESPONSE

Metropolitan's Board of Directors approved a
\$450 million conservation budget
making it the **largest rebate program in the country.**

The added funding was in response to record public demand for Metropolitan's **water-savings rebate programs**, led by the popularity of **turf removal**.

An award-winning outreach and advertising campaign showcased saving opportunities. At one point, the rebate hotline was handling 2,000 calls and processing \$10 million a day in rebate applications.



The turf program will see the removal of 175 million square feet of turf, equal to about 3,000 football fields, and ultimately save upwards of 7.5 billion gallons of water a year.



The conservation program has helped change the mindset of **Southern Californians** to replace thirsty lawns with drought-tolerant plants and install new **water-saving devices** inside homes and businesses.



Footnotes for Achievement Scorecard

Numbers in this report are based on best available information during the production of this report and are subject to revision for accounting reconciliation.

1. Annual total savings include Metropolitan's Conservation Credits Program, code-based conservation achieved through legislation, building and plumbing codes and ordinances, reduced consumption resulting from changes in water pricing, and pre-1990 device retrofits.

2. New water savings achieved through Metropolitan's Conservation Credits Program and from member agency-funded programs initiated in fiscal year 2014/15.

3. Includes water savings initially achieved through Metropolitan's Conservation Credits Program and subsequently maintained through plumbing codes.

4. Active conservation investment includes administrative fees for contracted program vendors.

5. In addition to Metropolitan's Conservation Credits Program, member agencies and retailers also implemented local water conservation programs within their respective service areas. Member agency investment figures include rebate funding beyond rebates already provided by Metropolitan's Conservation Credits Program.

6. Cumulative water savings since 1990 that include water savings initially achieved through Metropolitan's Conservation Credits Program and subsequently maintained through plumbing codes.

7. Figures reflect actual and estimated deliveries for all Metropolitan-assisted projects and payments for fiscal year 2014/15; cumulative production and investment reflect accounting reconciliation as data become available; annual regional production for recycled water includes an estimated 63,000 acre-feet of treated wastewater discharged to the Santa Ana River base flow that percolates into downstream groundwater basins.

8. Metropolitan initiated its Local Resources Program in 1982 to encourage production of recycled water for municipal purposes.

9. Metropolitan initiated its Groundwater Recovery Program in 1991 to encourage treatment and use of degraded groundwater for municipal purposes.

10. Construction of the conjunctive use storage programs was completed in 2008. Proposition 13 refers to Chapter 9 of the Safe Drinking Water, Clean Water, Watershed Protection, and Flood Protection Bond Act of 2000. Water extracted since program inception includes losses.

11. Figure is cumulative since 1984. Prior to 2013, Metropolitan provided replenishment water at a discounted rate to encourage long-term recharge and maintenance of groundwater basins and local reservoirs. Although the discounted replenishment rate was discontinued Jan. 1, 2013, Metropolitan continues to provide water for replenishment purposes at full service rates.



California Friendly® garden color splash

CONSERVATION

Fiscal year 2014/15 was a banner year for conservation. It also marked the 25th anniversary of Metropolitan's conservation programs. Metropolitan's Board of Directors approved its highest ever conservation and outreach budget, to institute the largest program in the nation. Metropolitan continues to encourage conservation in different ways.



Since 1990, Metropolitan has spent more than \$495 million for conservation. In the next fiscal year, 2015/16, Metropolitan will spend an additional \$307 million, bringing the total cumulative spending on conservation to \$802 million, more than half of which was in the last two years alone.

Aside from financial incentives that include the rebate program and a tiered pricing structure, Metropolitan supports new plumbing codes and other regulations that facilitate water savings.

In fiscal year 2014/15, the region saved approximately 944,000 acre-feet of water. Rebates funded through Metropolitan's Conservation Credits Program generated approximately 18,580 acre-feet of water savings.

FY 2014/15 Conservation Program Highlights

- Metropolitan's Board of Directors approved its largest ever conservation and outreach budget of \$450 million for fiscal years 2014/15 and 2015/16.
- In the first year of the two-year budget, Metropolitan funded \$143 million in rebates and advertising to help water customers improve water-use efficiency in their homes and businesses.
- Metropolitan funded more than \$91 million in turf removal rebates after the incentive was doubled to \$2 per square foot in May 2014, making it Metropolitan's most popular program ever.
- SoCal Water\$mart, Metropolitan's regional rebate program rebated a record 108,000 applications in fiscal year 2014/15.
- The SoCal Water\$mart program launched a new website in both English and Spanish along with a mobile-friendly online rebate application.

Working together, water providers, consumers and businesses can weather this drought by making conservation part of our daily lives.

Metropolitan General Manager Jeffrey Kightlinger

Metropolitan's Residential Conservation Programs

Residential customers in the Southland can receive conservation rebates from Metropolitan's SoCal Water\$mart program and through programs administered by Metropolitan's member agencies.

SoCal Water\$mart Residential Program

Launched in 2008, SoCal Water\$mart provides rebates to residential customers to encourage the use of water-efficient products. Current program rebates include turf removal, high-efficiency clothes washers, high-efficiency toilets, multi-stream rotary sprinkler nozzles, irrigation controllers and rain barrels. For fiscal year 2014/15, an estimated 7,050 acre-feet of water was saved through 146,000 residential conservation device rebates funded by Metropolitan. This is more than double the water savings achieved the previous year.

Member Agency Residential Programs

Metropolitan also provides funding to member agencies for locally-administered conservation programs. Qualifying residential projects included turf removal, toilet distribution and replacement programs, direct installation clothes washer programs and residential water audits. Member agency residential programs were estimated to save about 4,780 acre-feet of water annually.

Turf Removal

Metropolitan's turf removal program provides residential and commercial customers with financial incentives to replace their turf with California Friendly® landscapes. In January 2014, Metropolitan added turf removal to the SoCal Water\$mart Regional Program, making it available to customers throughout the service area. In addition, as an emergency drought response, Metropolitan doubled the base rebate for customers to \$2 per square foot of turf removed. Coupled with additional member agency contributions, many residents were able to receive \$3 per square foot or more of turf removed. About 35 million square feet of lawn turf was removed as a result of Metropolitan's rebate program. In fiscal year 2014/15, Metropolitan estimates water savings of about 7,030 acre-feet of water annually from 35 million square feet of turf removal. These numbers will increase in the years ahead.



High-efficiency washers eligible for rebates

Our goal is to equitably provide rebate funds to as many people as possible and lock-in permanent changes in water use by transforming to drought-tolerant landscapes that better fit our mediterranean climate.

Metropolitan Board Chairman Randy Record

High-efficiency Clothes Washers

High-efficiency clothes washers (HECW) with a water factor 3.7 or less are eligible to receive rebates. The water factor is the measure of the amount of water used to wash a standard load of laundry. An HECW saves more than 10,000 gallons per year over a conventional top loading clothes washer. In fiscal year 2014/15, Metropolitan estimates HECW rebates resulted in about 910 acre-feet of water savings. Metropolitan supplements its HECW rebate using state or federal grants when they are available.

High-efficiency Toilets

Metropolitan has provided incentives for toilet replacement programs since 1988. Metropolitan provides funding for high-efficiency toilets (HETs—1.28 gallons per flush or less), which use 20 percent less than ultra-low-flush toilets (1.6 gallons per flush) and recently added premium high-efficiency toilets (1.1 gallons or less per flush). Metropolitan uses the EPA WaterSense list of performance tested HETs and the Maximum Performance of Premium Toilet Models testing list to distinguish qualifying models. Metropolitan estimates that HET rebates issued for both residential and commercial customers in fiscal year 2014/15 will save about 6,130 acre-feet of water per year.

Metropolitan's Commercial Programs

Metropolitan's commercial conservation programs provide rebates for water saving devices to businesses and institutions throughout Southern California. The programs are comprised of SoCal Water\$mart, member agency commercial programs, and the Water Savings Incentive Program. Metropolitan estimates savings of about 6,750 acre-feet of water annually from new rebates issued by commercial conservation programs in fiscal year 2014/15.

SoCal Water\$mart and Member Agency Commercial Programs

The majority of commercial conservation activity came from Metropolitan's SoCal Water\$mart program. In addition, Metropolitan's member and retail water agencies implemented water conservation programs for commercial sectors using Metropolitan incentives. Qualifying commercial projects have included turf removal along with direct installation of HETs and multi-stream rotating nozzles. Metropolitan estimates water savings of about 4,930 acre-feet from 316,350 new device rebates issued through SoCal Water\$mart in fiscal year 2014/15. An additional 1,690 acre-feet of water was saved from member agency incentive programs.

Water Savings Incentive Program

The Water Savings Incentive Program is a regional pay-for-performance initiative. It is open to all commercial, industrial, institutional, agricultural and large landscape customers with qualifying projects within Metropolitan's service area. In fiscal year 2014/15, Metropolitan estimates savings of about 130 acre-feet of water. Incentives are paid based on the amount of water saved and capped at 50 percent of eligible project costs. Financial incentives are available for customized water efficiency projects, including the installation of commercial or industrial high-efficiency equipment; industrial process improvements; agricultural and landscape water efficiency improvements; and water management services.



Metropolitan supports innovation in a number of arenas, including irrigation efficiency and new technologies

Research and Development

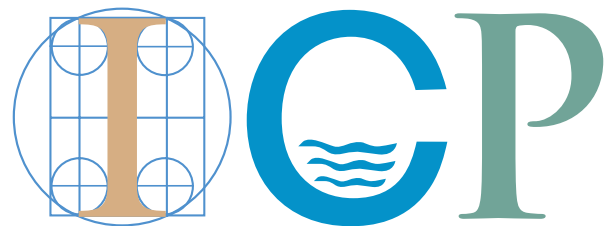
Innovative Conservation Program

Metropolitan's Innovative Conservation Program (ICP) encourages research and development of new and creative ways to conserve water. It is a competitive grant program that evaluates water savings and reliability of new water-savings devices, technologies and strategies. New projects are identified and evaluated every other year. Funding is provided by the U.S. Bureau of Reclamation, Central Arizona Project and Southern Nevada Water Authority with \$450,000 allocated for research. Examples of funded projects include soil amendments, water-audit mobile applications, home graywater systems, soil moisture sensors, and agricultural irrigation improvements. A new solicitation for projects in this program began in fall 2015.

Metropolitan Research Focus

In addition to the ICP, Metropolitan has been involved in:

- Researching water savings from Metropolitan's turf replacement program
- Researching water-savings performance of multi-stream rotary nozzles
- Developing performance benchmarks for landscape irrigation technology with the Center for Irrigation Technology at California State University, Fresno
- Studying the effects of drought and salinity on turf grasses with the California Turfgrass and Landscape Foundation and the Turfgrass Research Facility at University of California, Riverside
- Partnering with the Alliance for Water Efficiency for water conservation research on projects that include: a drought management study of Australia, and studies on commercial kitchen efficiency, outdoor impacts of the drought, and reasons and rationale for landscape choices



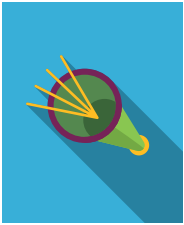
**I N N O V A T I V E
C O N S E R V A T I O N
P R O G R A M**
Metropolitan Water District
of Southern California



Solar Cup™ is the nation's largest solar boat competition

COMMUNICATIONS AND OUTREACH

Metropolitan expanded its conservation-related outreach and educational programs amid unprecedented drought conditions.



In cooperation with the district's 26 member public agencies that serve communities from Ventura to the Mexican border, from coastal areas to the Inland Empire, Metropolitan conducted a \$5.5 million multilingual, multicultural water conservation advertising and outreach campaign

that turned the goal of saving water into measurable results throughout the region.

minutes. Combined, these elements promoted the ongoing need for conservation in Southern California, the importance of long-term investments in water storage and development of local water resources. The campaign highlighted the availability of rebates and incentives for turf removal and the purchase of water-saving devices and appliances.

The goal of this advertising campaign is to showcase a lot of little ways we can all embrace a water-saving lifestyle.

Deputy General Manager Dee Zinke

The visually strong campaign, authorized by the Board of Directors, showcases knobs and faucets and uses the tagline "Let's All Take A Turn" to emphasize the seriousness of the drought and share the message that if we all do a little more to save water, it adds up to make a huge difference.

The research-based effort included television, radio, digital, social media, outdoor advertising and other customized materials and outreach events throughout the Southland. For the first time, the campaign was produced in five languages: English, Spanish, Mandarin, Korean and Vietnamese. The media strategy focused on diverse communities, age groups, homeowners and renters, and the major languages spoken in the region.

The Turn campaign supplements Metropolitan's other outreach activities and educational programs to inform and assist residents, businesses, public agency officials, community leaders and elected officials on the importance of water conservation.

As part of the campaign, staff organized press events and placed hundreds of conservation articles, videos, presentations and infographics in multiple languages on TV, radio, social media and print media. Recognizing the growing role of social and digital media as a source of information for people of all ages, cultures and socio-economic backgrounds, Metropolitan made extensive use of its Facebook and Twitter audiences. The campaign reached hundreds of thousands of viewers and listeners through display and banner ads, search-engine optimization, and the very popular water-saving playlists on Pandora and its Spanish-language equivalent Uforia that featured songs timed to keep showers less than five

One of the most visible events was Metropolitan's sponsorship of the temporary makeover of the iconic giant doughnut sign on top of Randy's Donuts in Inglewood, which attracted worldwide media attention to encourage water conservation. The doughnut was transformed into the focal point of the Turn advertising campaign – a red spigot knob which was visible for several days from one of the nation's busiest freeways. Customers were asked to take a pledge to save water, and those messages were shared on social media to large audiences.



Throughout the year, Metropolitan officials conducted dozens of interviews with news outlets from Southern California to Europe and Asia. They issued 45 press releases and statements, and responded to more than 1,000 media requests for information and interviews on drought conditions, conservation programs and rebates, local water supply projects, the Colorado River, the Delta and other key issues. Informational materials, videos, talking points, and other tools were used to communicate Metropolitan's operations, policies, news and programs in ways that increased public awareness.

To reach a broader audience about the Southland's water supply situation, Metropolitan unveiled a revamped website that is easier to navigate and has more mobile features, graphics and photographs. The debut of a Web-based General Manager's blog, a video blog, e-newsletter and expanded social media presence with Facebook, Twitter and Instagram provided regular updates about a wide range of water supply issues, conditions and events.

Metropolitan's conservation website, bewaterwise.com[®], provided water conservation information to nearly 760,000 unique visitors from July 1, 2014 through June 30, 2015. The website offers drought information and links to rebates and incentives for homes, businesses, industry, agriculture, and schools. Metropolitan also provides a Spanish language version of the site to educate and inform the region's Spanish-speaking population. The website features tips and California Friendly[®] Landscape training and online classes. Here home gardeners and landscape professionals can learn about irrigation systems, watering and fertilizing, plant identification and the latest ways to reduce water use in landscapes.

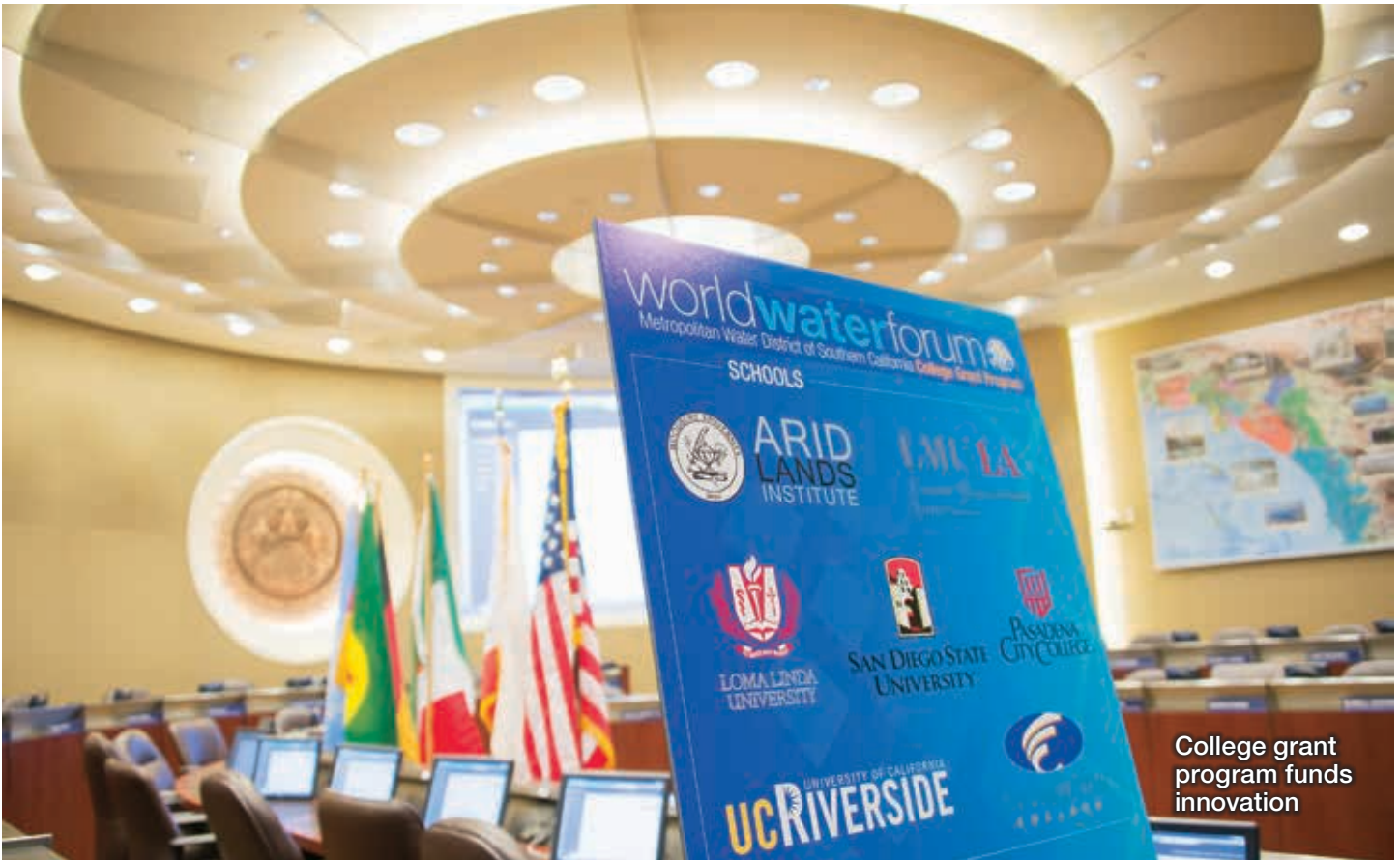
In 2015, Metropolitan continued a focused outreach effort for businesses and industries with high volume water use. Metropolitan's Board of Directors and executive management met with leaders in the beverage, bottling, refining, aerospace, tourism, and golf industries through programs such as "Water for Business, Business for Water" to discuss Southern California's water outlook, key policy issues, and opportunities to collaborate on water use efficiency projects that will reduce demand and increase supplies.

The modern and efficient layout of mwdh2o.com also is in keeping with Metropolitan's standing as a dynamic, innovative and tech-savvy leader.

Metropolitan General Manager Jeffrey Kightlinger



Metropolitan news conference on drought response



Community Outreach

Metropolitan continues to maintain a strong presence in community water-resource education and conservation activities. Through its Community Partnering Program, Metropolitan co-sponsored and staffed booths at more than 60 water-related education and outreach programs for member agencies, community groups, and non-profit organizations. Projects included community events, conservation and garden projects, publications in multiple languages, and educational materials dealing with watersheds, conservation and water recycling. Staff also made more than 375 presentations at community events, chambers of commerce and other organizations. Staffers conducted 30 briefings for state legislators and their district staff, and coordinated with member agencies to provide information about drought and water supply conditions, water systems, conservation programs, and other issues of interest.

The reopening of Metropolitan’s museum-quality exhibit at the California Department of Water Resources’ Vista del Lago visitor’s center at Pyramid Lake provides information on water resources, environmental programs and conservation to more than 140,000 visitors annually. At Metropolitan’s Diamond Valley Lake Visitor Center, more than 10,000 visitors and 2,300 students learned about Metropolitan’s water systems and operations, programs and water stewardship.

Education Programs

Metropolitan continues to update and expand a comprehensive K-12 water education curriculum that meets state standards for each grade level in the areas of science, math, language arts and social studies classroom materials. This year, events were held at 280 schools and more than 100,000 students and teachers used activities and curriculum materials provided by Metropolitan and its member agencies.

The World Water Forum College Grant Program, a partnership between Metropolitan, the U.S. Bureau of Reclamation, the Sanitation Districts of Los Angeles County, Water For People, and Friends of the United Nations provides grants to colleges and universities for local and globally-focused projects that foster a better understanding and community awareness of water issues, while improving technology related to water supply and delivery, water conservation and sanitation programs. Solar Cup™ is the nation’s largest solar-powered boat competition and in 2015, drew 41 high school teams to demonstrate advanced skills in engineering, math and communication, and water conservation. The “Water is Life” Student Art and Calendar Program features student artwork representing the importance of conservation and was viewed by more than 20,000 people.



Purple pipes distinguish recycled water projects

LOCAL RESOURCES

Water recycling, groundwater recovery and groundwater storage are important elements in the region's diverse local resource portfolio and help bring greater water supply reliability to Southern California.



Metropolitan provides financial incentives through its Local Resources Program (LRP) for the development and use of recycled water and recovered groundwater. Since the inception of the LRP in 1982, Metropolitan has provided \$372 million to produce about 2.2 million acre-feet of recycled water. Metropolitan

also provided approximately \$132 million to produce 791,000 acre-feet of recovered degraded groundwater for municipal use. To date, there are 75 water recycling projects and 24 groundwater recovery projects in the program.

Water Recycling and Groundwater Recovery

In fiscal year 2014/15, Metropolitan's funding supported the production of about 184,000 acre-feet of recycled water for non-potable and indirect potable uses. In addition, another 230,000 acre-feet of recycled water, which includes the base flow recharge from the Santa Ana River, was produced by local agencies through other funding sources. In fiscal year 2014/15, Metropolitan funds supported projects that provided 60,000 acre-feet of recovered groundwater for

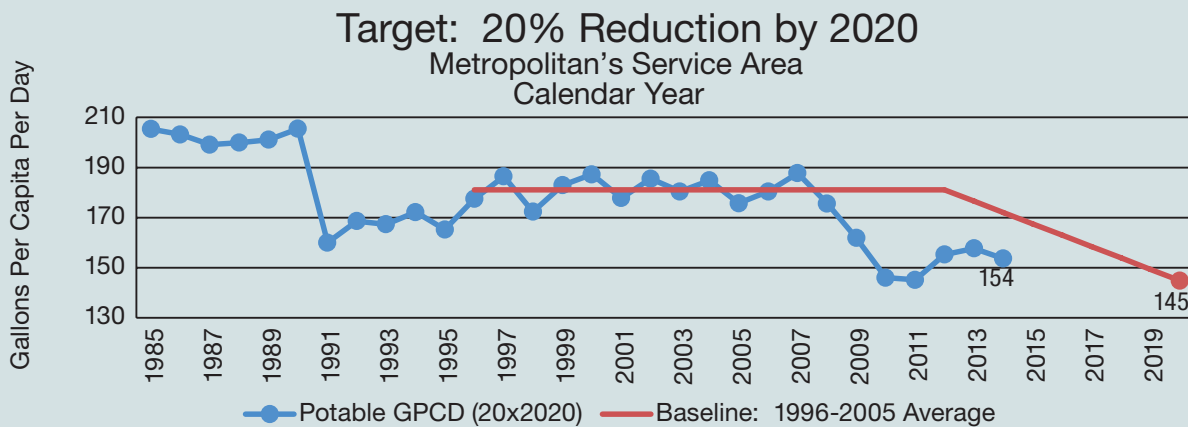
municipal use. An additional 55,000 acre-feet of recovered groundwater was produced by local agencies through other funding sources. Figures 1 and 2 (next page) illustrate total recycled water and groundwater recovery production in Metropolitan's service area, including local agency funded projects.

Fiscal Year 2014/15 Local Resource Highlights

- Metropolitan launched the On-site Retrofit Pilot Program to provide financial incentives for conversion of potable irrigation or industrial water systems to recycled water and has committed to provide \$5.8 million for converting approximately 6,700 acre-feet of potable water to recycled water.
- Metropolitan adopted additional refinements to the LRP in October 2014 to further encourage development of recycled water projects which included increasing the incentive up to \$340/AF and allowing reimbursable services to member agencies for design, construction, and operation of local projects.

Water-Use Efficiency Strategy

Metropolitan and the Natural Resources Defense Council co-sponsored the Water Conservation Act of 2009 (SBX7-7), which targets a 20 percent reduction statewide in urban per capita water use by 2020. In calendar year 2014, Metropolitan had reduced water usage by 15 percent, and was on track to meet its 2020 target. Per capita water use is one indicator of progress in advancing water-use efficiency. Metropolitan's baseline is 181 gallons per capita per day (GPCD) and the 2020 reduction target is 145 GPCD.



Notes about the graph:

1. Calendar year data.
2. 2014 GPCD based on best available data as of October 2015 and is subject to change.
3. Baseline per capita water use based on 1996-2005 average (181 GPCD).
4. Target GPCD for 2020 based on 20% reduction from baseline (145 GPCD).
5. From 2011-2014, there was a slight increase in per capita water use explained in part by continued economic recovery and drier weather as compared to previous years.

Groundwater Management

Metropolitan partners with local agencies to store imported surface water in groundwater basins for use in times of shortage under conjunctive use agreements. Metropolitan currently has nine storage projects with nearly 212,000 acre-feet of storage capacity and can withdraw up to 70,000 acre-feet annually during shortage years. In fiscal year 2014/15, Metropolitan produced 37,600 acre-feet for drought mitigation.

Foundational Actions Funding Program

The pilot Foundational Actions Funding Program addresses regional funding needs for actions that reduce barriers to future water resource production. The program is open to Metropolitan’s member agencies. Proposed actions consist of technical studies or pilot projects related to recycled water, seawater desalination, groundwater and stormwater. Metropolitan entered into 13 contracts for technical studies and pilot projects totaling \$3 million in matching funds. These projects are currently underway, and final results are due to Metropolitan in early 2016.

Figure 1

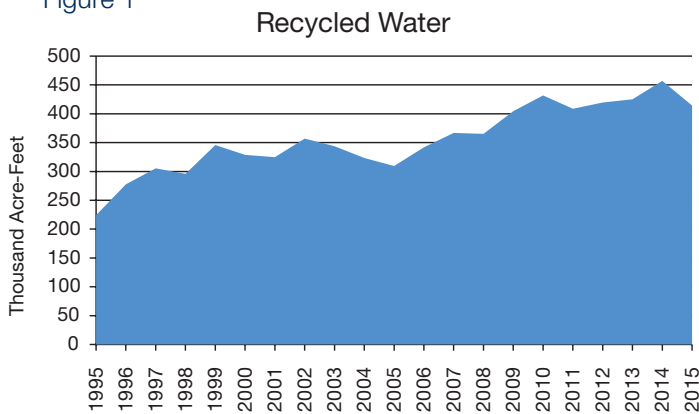
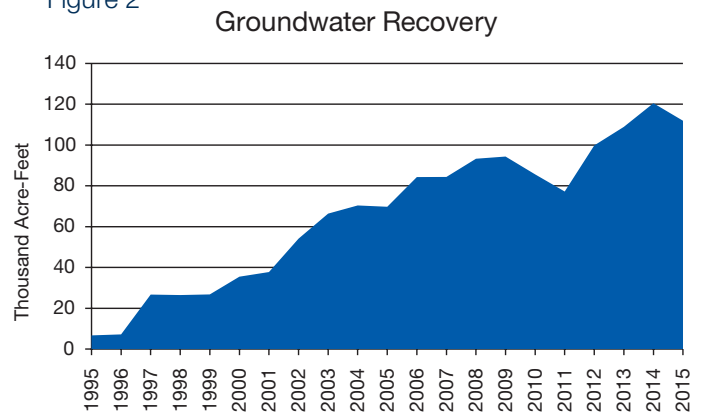


Figure 2



Water Recycling and Groundwater Recovery

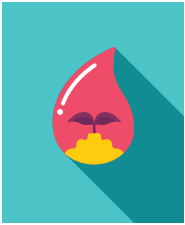
Recycling and groundwater recovery are local resources that add balance to the region’s diverse portfolio of resource options. Figures 1 and 2 show the fiscal-year production of these local resources as the region places greater emphasis on water-use efficiency and improving basin health. While water recycling and groundwater recovery projects are developed by local water agencies, many projects receive financial incentives for water production through Metropolitan’s Local Resources Program. Figure 1 includes treated wastewater discharged to the Santa Ana River base flow that percolates into downstream groundwater basins.



Colorado River Aqueduct near Lake Mathews in Riverside

WATERSHED INITIATIVES

Metropolitan is active on planning boards and organizations formed to improve watershed management and restoration.



Metropolitan works with many watershed interests to protect water quality at the source, including the following initiatives:

Local Organizations

Integrated Regional Water Management

Metropolitan continues to participate in this multi-jurisdictional water planning effort, serving on the Greater Los Angeles County Region Leadership Committee as its surface water management area representative.

Southern California Water Committee Stormwater Task Force

Metropolitan hosted the fourth annual workshop in June 2015 to discuss funding strategies, legislative opportunities and lessons learned through the Municipal Separate Storm Sewer System permit process.

The Los Angeles Basin Stormwater Conservation Study

The \$2.4 million study is a cooperative effort among the Los Angeles County Flood Control District, the U.S. Bureau of Reclamation and several local agencies, including Metropolitan. The Basin Study, expected to be complete by December 2015, identifies alternatives, conducts trade-off analyses and develops recommendations for meeting future water demands in the watersheds.

Council for Watershed Health

Metropolitan has been partnering with the Council for Watershed Health since 2000 in various research studies and educational outreach efforts related to improving water supply reliability, water quality and promotion of water-use efficiency. Currently, the Council has four programs: urban stormwater, sustainable landscape, watershed coordination, and watershed monitoring.

Sacramento-San Joaquin Delta

Bay Delta Conservation Plan

Metropolitan participates in the BDCP/California WaterFix process and continues to work with agencies and stakeholders throughout the Delta watershed to restore the ecosystem and to protect Delta water quality for drinking water uses and aquatic wildlife.

Municipal Water Quality Investigations Program

Metropolitan continues to support the state Department of Water Resources' MWQI, which implements water quality monitoring and special studies in the Delta and its tributaries. In fiscal year 2014/15, this program continued to operate five real-time water quality monitoring stations, completed seasonal water quality forecasts, finalized an urban runoff water quality study, and continued the State Water Project limnology study.



Delta Nutrient Impact Studies

Metropolitan continues to work with state and federal water contractors to support studies and management actions addressing the impact of nutrients and other water quality stressors in the Delta watershed. Metropolitan continued to participate in the Delta Regional Monitoring Program, and in the Regional Water Quality Control Board nutrient management programs in the Central Valley and San Francisco Bay.

Battle Creek Salmon and Steelhead Restoration Project

This federal project is one of the largest cold-water fish restoration efforts in North America. Metropolitan supported and financially assisted this project, which will open almost 50 miles of winter-, spring- and late fall-run salmon and steelhead habitat in the Sacramento River watershed. Construction is anticipated to be completed by 2020.

Colorado River

The Lower Colorado River Multi-Species Conservation Program

The 50-year program was created to balance the use of the Colorado River water resources with the conservation of native species and their habitats. The program provides endangered species compliance for federal and non-federal covered actions within the Lower Colorado River flood plain from the lower reaches of the Grand Canyon to the southern international boundary with Mexico. This includes Metropolitan's current and future water, power, and facilities operations along the Colorado River. Metropolitan is an active member of the Steering Committee and is the largest non-federal contributor.



ABOUT THIS REPORT

Every year Metropolitan reports its accomplishments in water conservation, recycling and groundwater recharge to the state Legislature. Achievements are chronicled and detailed in this report, which focuses on local resource development. Metropolitan held a public hearing on December 7, 2015 to receive input. Comments received at the hearing are on file at Metropolitan and are available upon request.

Southern California depends on Metropolitan's strategic investments in infrastructure and smart management of water resources. Since the adoption of the Integrated Water Resources Plan in 1996, Metropolitan has focused on water use efficiency through conservation and local resources to protect the region from future supply shortages. This forward-looking planning process is collaborative and open to all individuals, businesses and organizations that have an interest in the Southland's future water supplies. Public workshops are held periodically and announced in the mwdwatertomorrow.com website. Input is always welcome.



Diamond Valley Lake reserves drawn down during drought

METROPOLITAN'S MEMBER AGENCIES



Joined Metropolitan
December 6, 1928



Joined Metropolitan
December 6, 1928



Joined Metropolitan
December 6, 1928



Joined Metropolitan
December 14, 1960



Joined Metropolitan
November 12, 1954



Joined Metropolitan
June 23, 1931



Joined Metropolitan
October 16, 1950



Joined Metropolitan
January 15, 1953



Joined Metropolitan
February 27, 1931



Joined Metropolitan
December 6, 1928



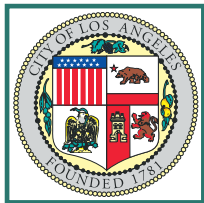
Joined Metropolitan
November 26, 1951



Joined Metropolitan
December 1, 1960



Joined Metropolitan
February 27, 1931



Joined Metropolitan
December 6, 1928



Joined Metropolitan
November 26, 1951



Joined Metropolitan
December 6, 1928



Joined Metropolitan
December 17, 1946



Joined Metropolitan
November 12, 1971



Joined Metropolitan
December 6, 1928



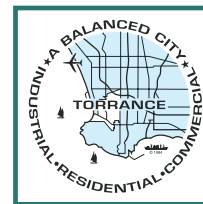
Joined Metropolitan
December 6, 1928



Joined Metropolitan
December 6, 1928



Joined Metropolitan
November 15, 1950



Joined Metropolitan
February 27, 1931



Joined Metropolitan
March 27, 1963



Joined Metropolitan
July 23, 1948



Joined Metropolitan
November 12, 1954



*THE METROPOLITAN WATER DISTRICT
OF SOUTHERN CALIFORNIA*

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of Southern California
P.O. Box 54153
Los Angeles, CA 90054-0153
mwdh2o.com
bewaterwise.com

CONTACT METROPOLITAN

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or kcole@mwdh2o.com.

