



# FOUNDATIONAL ACTIONS FUNDING PROGRAM



## Reducing Barriers to Future Water Resource Production

As part of Metropolitan’s long-term resource strategy, this funding program promotes technical advances to better prepare the region to adapt to water supply future uncertainties. A total of \$3 million helped fund 13 technical studies/pilot projects with Metropolitan’s Member Agencies that will enhance the region’s ability to develop future water supplies. Final project reports and studies are available on [mwdh2o.com/AboutYourWater/FAFprogram](http://mwdh2o.com/AboutYourWater/FAFprogram).

GROUNDWATER



RECYCLED WATER



STORMWATER



SEAWATER DESALINATION



### PROJECTS AND STUDIES

#### GROUNDWATER

- Enhanced Research Using RCF for Hexavalent Chromium Removal
- Pilot-scale Groundwater Desalter Brine Concentrator Study
- Pilot-scale Biological Treatment Process
- San Juan Basin Groundwater and Desalination Optimization Program

#### RECYCLED WATER

- Direct Potable Reuse Research Initiative
- Innovative Indirect Potable Reuse Treatment Train
- Pilot-scale 3-D Fluorescence Excitation Emission Matrix
- Recycled Water Intertie Study
- Tracer Alternative Research

#### SEAWATER DESALINATION

- Advancement of Slant Well Technology for Seawater Desalination
- Ocean Water Desalination Intake Biofouling and Corrosion Study

#### STORMWATER

- Stormwater Capture Master Plan
- Stormwater Harvesting and Direct Use Demonstration Project

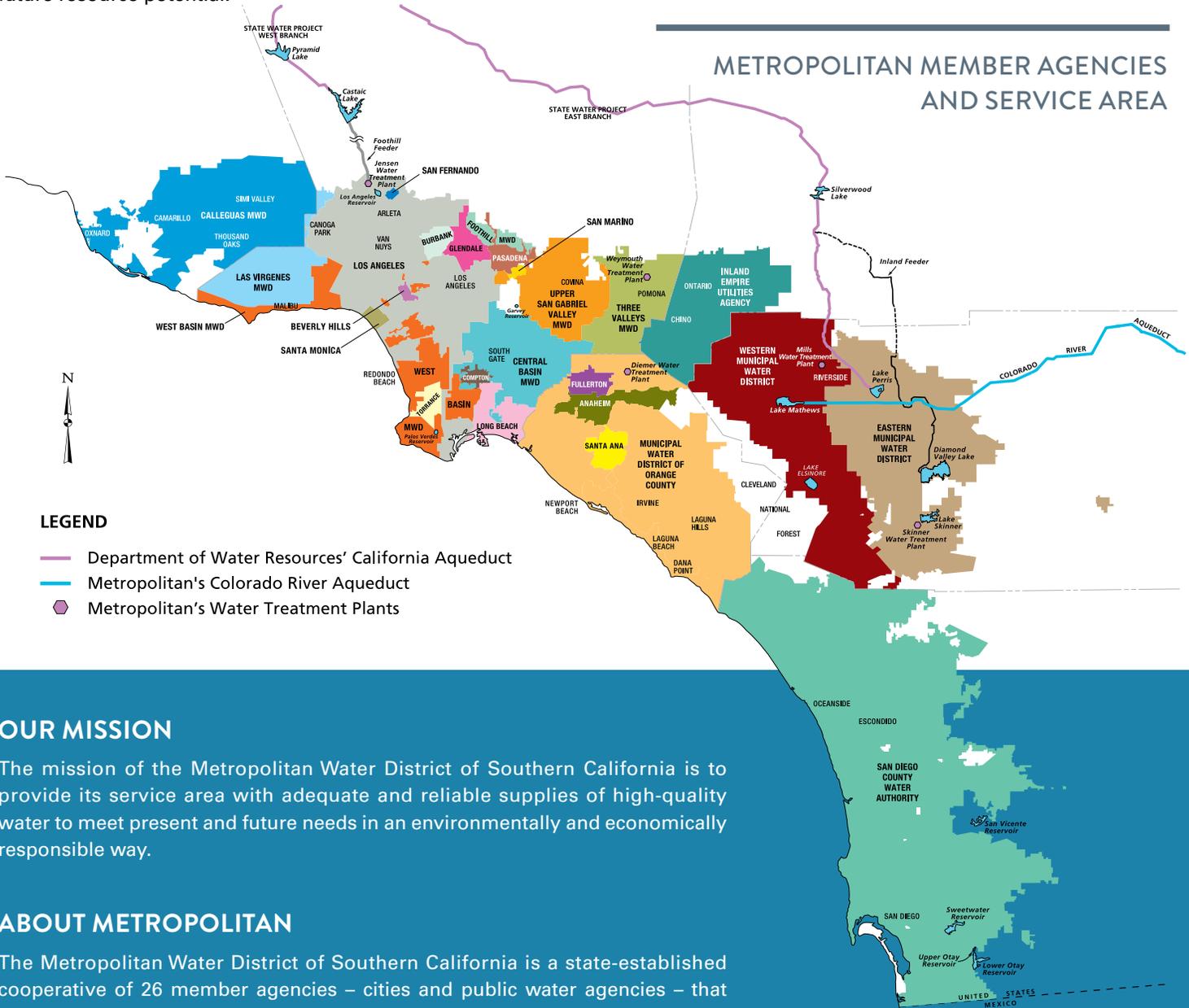
700 N. Alameda St.  
 Los Angeles, CA 90012  
 P.O. Box 54153  
 Los Angeles, CA 90054-0153  
 (213) 217-6000  
 (800) 225-5693

# The Integrated Water Resources Plan – A Blueprint for Reliability

The Metropolitan Water District of Southern California prepares for tomorrow with an evolving long-term water strategy known as the Integrated Water Resources Plan, or IRP. Southern California uses less imported water than it did a generation ago even though the population has grown by five million people. The fundamental goal of the IRP is for Southern California to continue to have reliable water supplies, given future challenges of population growth, economic expansion, and climate change. The 2015 IRP Update builds upon the strong foundation of diversification and adaptation developed in previous plans. The IRP establishes targets for a diversified portfolio of investments in water supply that provide the foundation for continued water supply reliability during normal conditions as well as periods of prolonged drought and severe regulatory limitations.

The IRP also calls for the development of Future Supply Actions (formerly referred to as Foundational Actions) to help prepare the region to adapt to future challenges and uncertainties that are beyond what can be reasonably estimated today. To pursue these forward-looking actions, Metropolitan’s Board of Directors approved a pilot program in April 2013, called the Foundational Actions Funding Program. This Program helps fund technical studies and pilot projects that reduce barriers to future production of groundwater, recycled water, seawater desalination, and stormwater. A request for proposals resulted in agreements with Metropolitan’s Member Agencies for 13 projects totaling approximately \$3 million in funding. These projects evaluated new water treatment technologies, developed data to inform regulations, studied options for infrastructure innovation and identified future resource potential.

## METROPOLITAN MEMBER AGENCIES AND SERVICE AREA



### LEGEND

- Department of Water Resources' California Aqueduct
- Metropolitan's Colorado River Aqueduct
- Metropolitan's Water Treatment Plants

## OUR MISSION

The mission of the Metropolitan Water District of Southern California 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.

## ABOUT METROPOLITAN

The Metropolitan Water District of Southern California is a state-established cooperative of 26 member agencies – cities and public water agencies – that serve nearly 19 million people in six counties. Metropolitan imports water from the Colorado River and Northern California to supplement local supplies and helps its members develop increased water conservation, recycling, storage and other resource management programs.

## BE INFORMED, BE INVOLVED

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