



The Metropolitan Water District of  
Southern California

# A Regional Approach to Reliability

May 10, 2013

# Metropolitan's Integrated Resource Plan

## Blueprint for Adapting to Change

### Water Use Efficiency

- 20% Reduction in Per-Capita Water Use

### Local Resources

- Develop Incentives and Partnerships
- Implement Foundational Actions

### SWP

- Delta Improvements for Reliability

### CRA

- Develop Dry-Year Supply Programs

# Metropolitan's Integrated Resource Plan

## Blueprint for Adapting to Change

Water Use

• 20% Reduction in Per Capita Water

### What Does This Mean?

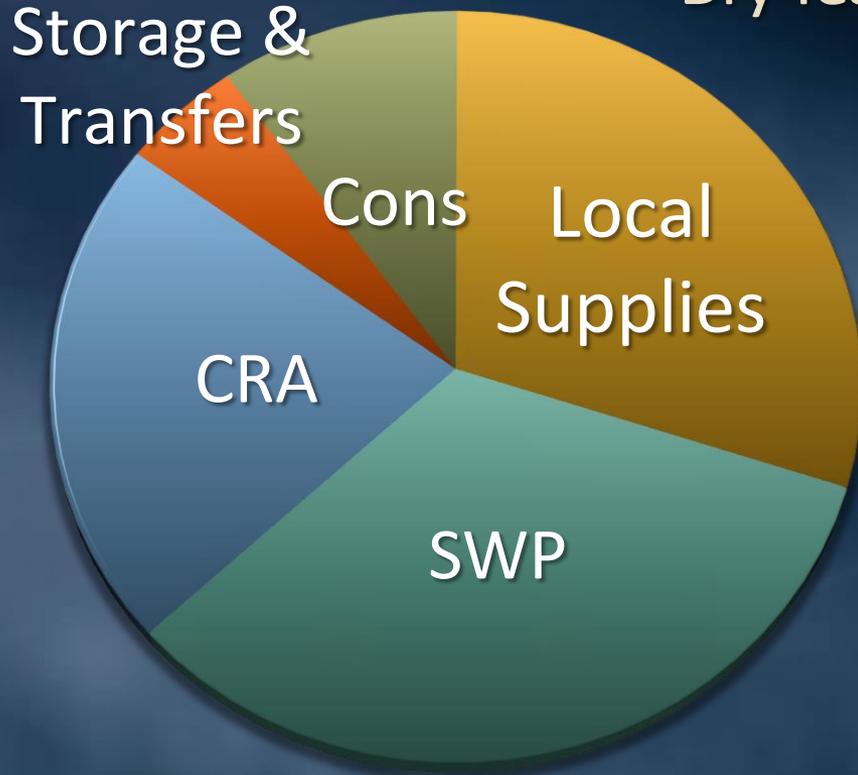
- Stabilize Imported Supplies
- Increase Efficiency and Local Resources

CRA

- Develop Dry-Year Supply Programs

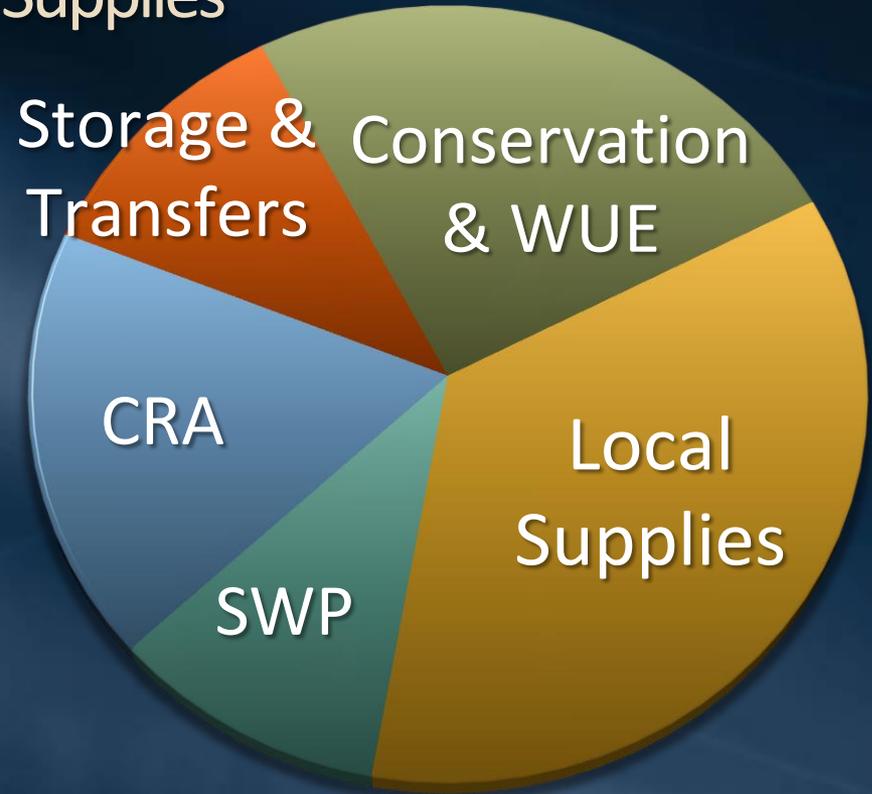
# Diversification of Water Portfolio

Dry Year Supplies



**Early 1990's**

*Heavy dependence on imported supply and SWP Diversions*



**2010 IRP Strategy**

*Emphasis on Conservation, Local Supplies, and Storage & Transfers*

# Reduced Reliance: Short-Term



# Metropolitan's Storage Programs

## Central Valley/SWP Storage

San Luis Carryover

Semitropic

Arvin-Edison

Kern Delta

Mojave

## CRA Storage

Advance Delivery

Lake Mead ICS

## Local Storage

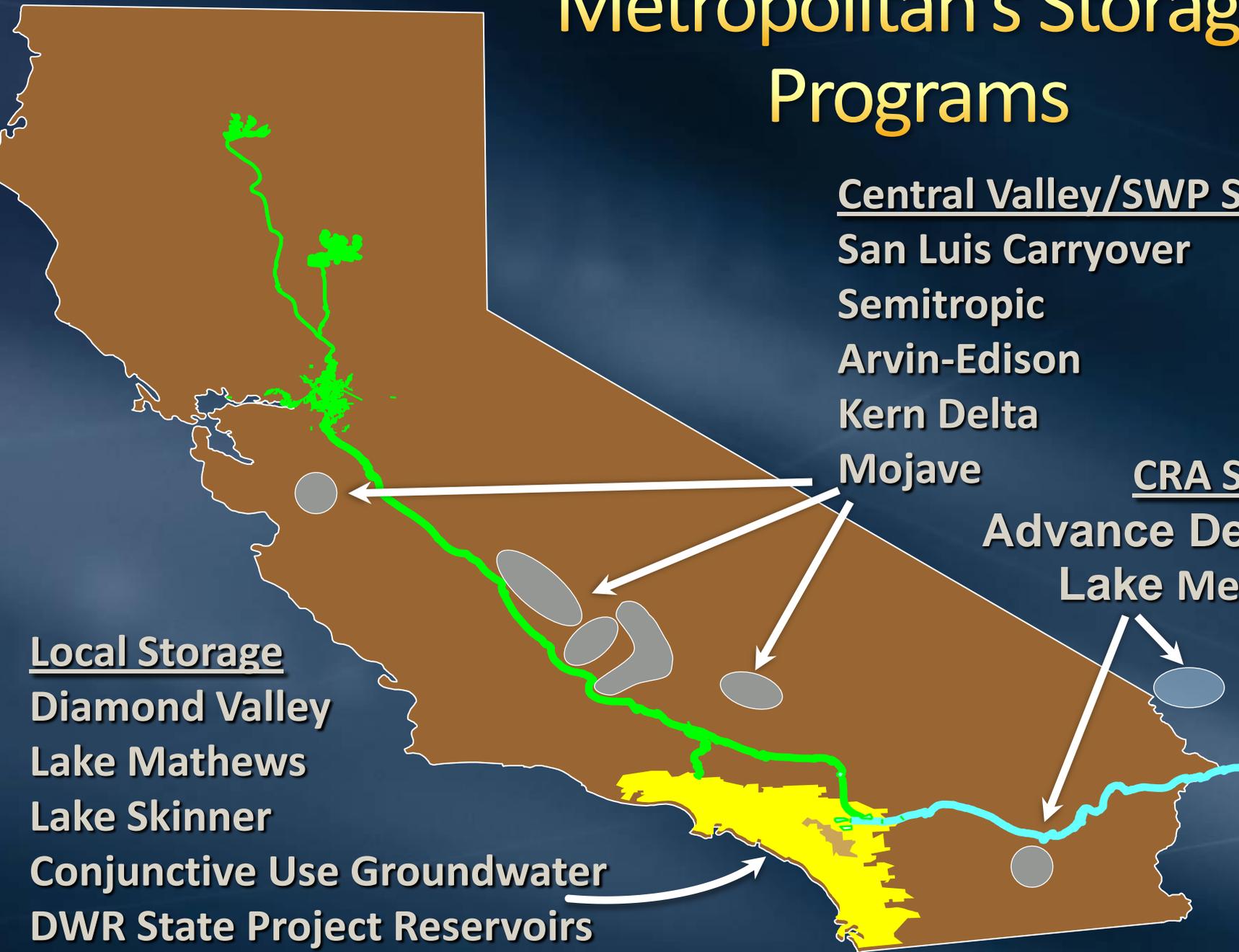
Diamond Valley

Lake Mathews

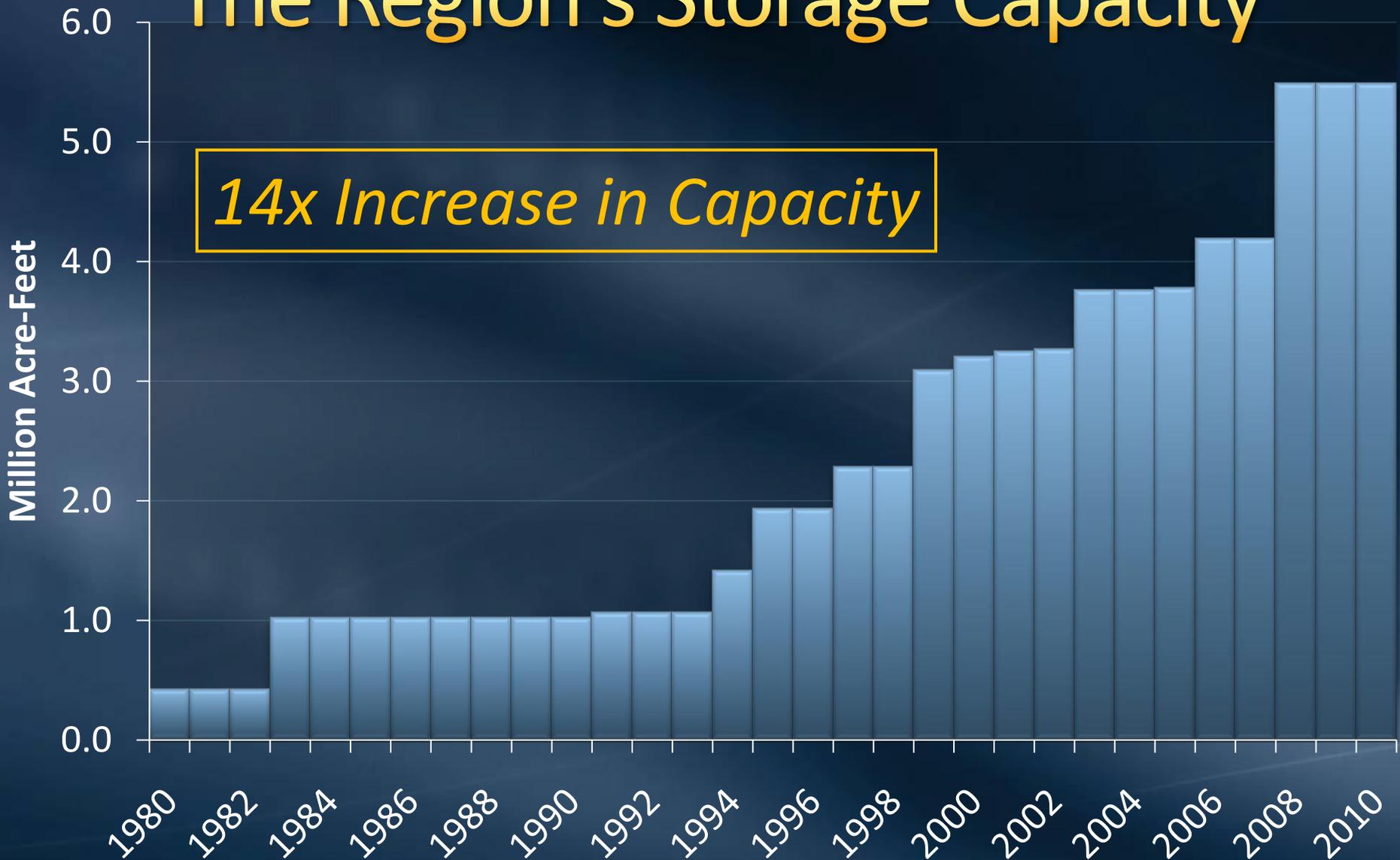
Lake Skinner

Conjunctive Use Groundwater

DWR State Project Reservoirs



# Metropolitan Has Increased The Region's Storage Capacity



# Storage Is Used To Manage Droughts

Emergency Storage      Storage Balance



# Reduced Reliance: Long-Term



# Conservation and Local Supplies



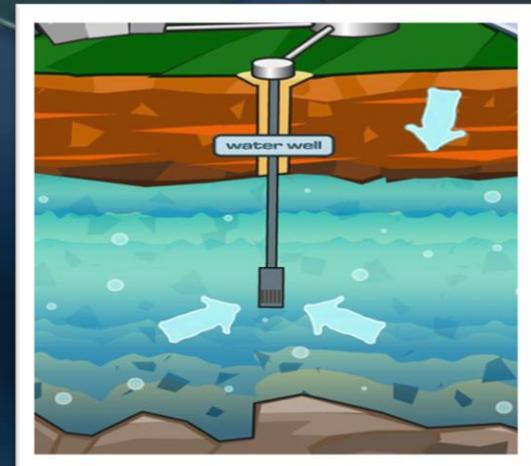
Conservation

Groundwater  
Management

Groundwater  
Recovery

Recycling

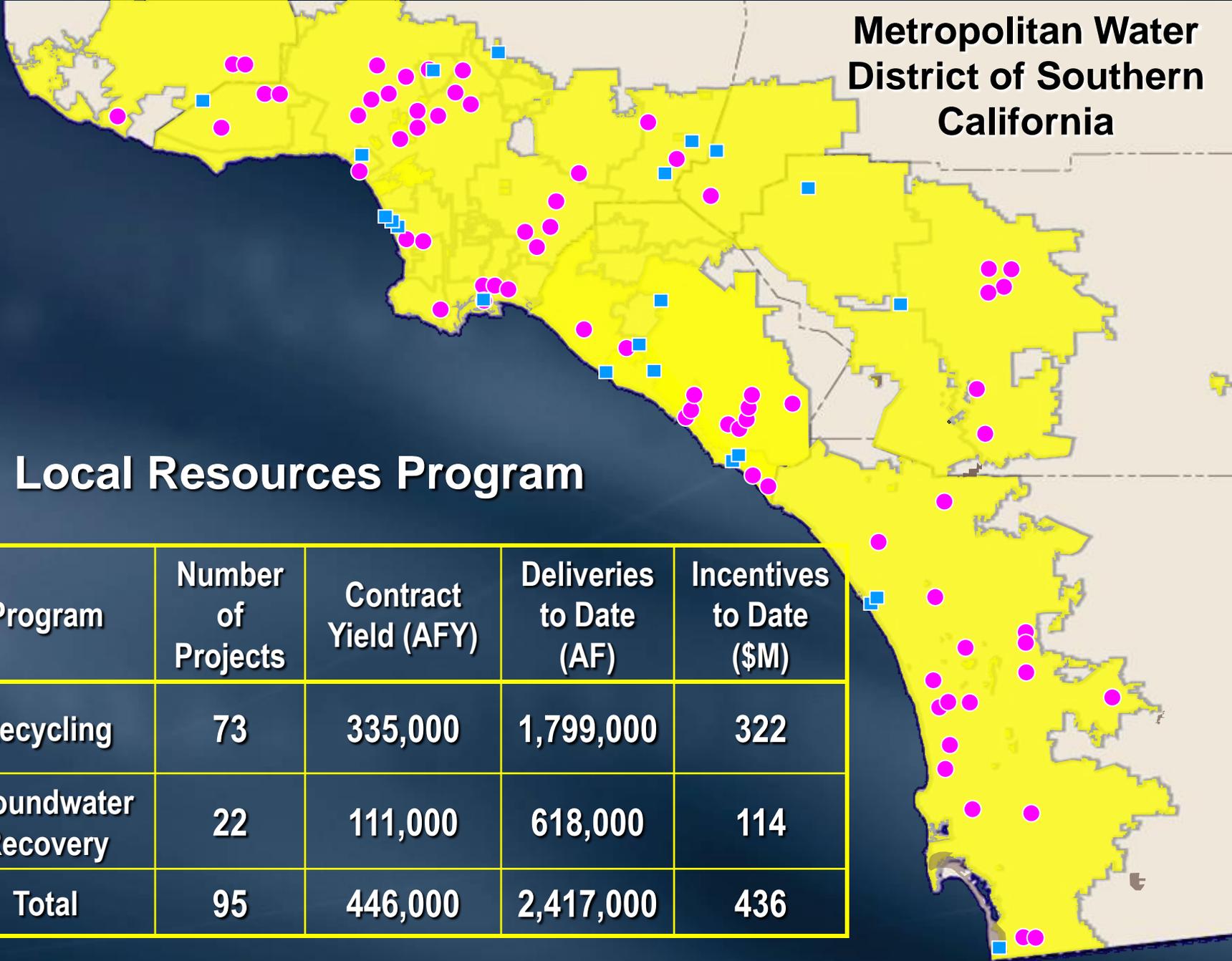
Desalination



# Metropolitan Water District of Southern California

## Local Resources Program

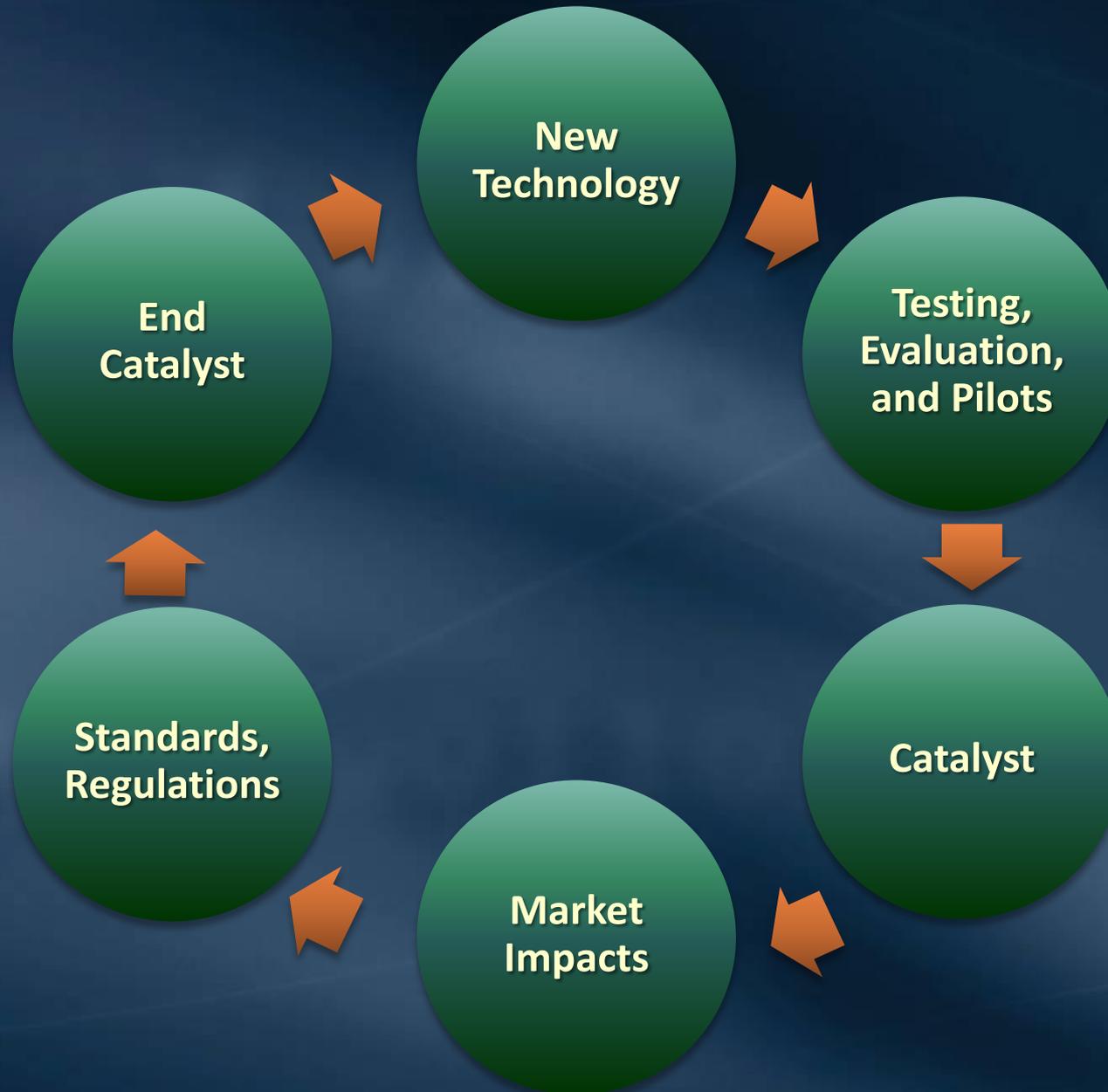
	Program	Number of Projects	Contract Yield (AFY)	Deliveries to Date (AF)	Incentives to Date (\$M)
●	Recycling	73	335,000	1,799,000	322
■	Groundwater Recovery	22	111,000	618,000	114
	<b>Total</b>	<b>95</b>	<b>446,000</b>	<b>2,417,000</b>	<b>436</b>



# A Long-Term Focus on Efficiency

- Regional Conservation Rebate Program
  - Cumulative investment of \$322 million
- Total Annual Water Savings of 920 TAF
- Innovative Conservation Program
  - Provides funding for research and development

# Water Efficiency Program Cycle



# Foundational Actions



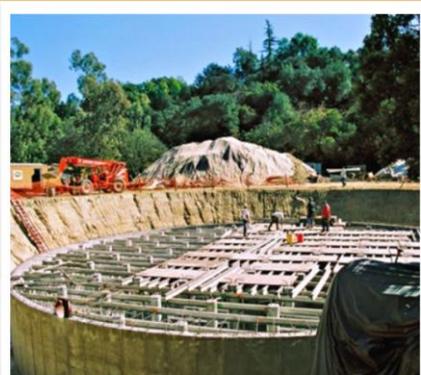
# Foundational Actions



Recycled Water



Desalination



Stormwater



Groundwater  
Management

# Foundational Actions



“What can be done to reduce the time it takes to bring a new local resource on-line”



Stormwater



Groundwater Management

# Request For Proposals Released May 6, 2013



**THE METROPOLITAN WATER DISTRICT  
of SOUTHERN CALIFORNIA**

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## Foundational Actions Funding Program

For Member Agency Participation Only



### Key Dates

RFP Issued:	Monday, May 6
Pre-Proposal Workshop:	Monday, May 20 10:00 a.m. - 12:00 noon
Questions for Clarifications Due By:	Wednesday, May 22 11:00 a.m.
<b>Proposal Due:</b>	<b>Wednesday, July 3 11:00 a.m.</b>

### About the Program

The Foundational Actions Funding Program (FAF) was developed to help address regional funding needs for actions that reduce barriers to future water resource production. The FAF is open to Metropolitan's member agencies only. The FAF Program intends to advance the field of knowledge for future water resource production, as well as provide results that are unique and catalytic to water resource implementation in the region.

### 2013 Request for Proposals

The 2013 FAF Program is looking for technical studies or pilot projects that enable effective future resource planning and potential development in the areas of recycled water, seawater desalination, stormwater, and groundwater enhancement. These studies or pilot projects should identify and investigate opportunities to develop future water resources.

### Pre-Proposal Workshop Monday, May 20

A non-mandatory pre-proposal workshop will be held at Metropolitan Headquarters at Union Station. All potential applicants are encouraged to attend.

**Monday, May 20, 2013  
10:00 a.m. – 12:00 Noon**

**Metropolitan Water District  
of Southern California**  
700 North Alameda Street  
Los Angeles, CA 90012  
Second floor, Room US 2-145

# Foundational Actions Funding Program Objective

- Advance the field of knowledge, specifically technical studies, for future water resource production
- Provide results that are unique, yet transferable to other areas in the region
- Represent a catalytic/critical path to water resource implementation

# Foundational Actions Funding Program

- Total funding estimated at \$3 million across all proposals
  - Could be more based on proposals
- Proposals may receive up to \$500,000 each
  - A non-Metropolitan match of at least 100 percent of the Metropolitan funded amount required
- Work must be completed in two years

# Conclusions

- Since 1990's Metropolitan has been the leader in a diversified portfolio approach
- Storage has been developed to manage “big gulp/little sip”
- Stable imported supplies are needed for reliability
- 1.1 MAF of conservation and local resources will be developed to meet future needs
- Foundational Actions advance future options for continued reduced reliance

