



**The Metropolitan Water District
of Southern California**

LRP Coordinator Meeting

January 20, 2016

Welcome

Agenda

- Introduction and purpose
- Local Resources Program Update
- 2015 IRP Update
- On-site Retrofit Program Update
- EMWD's Accelerated Retrofit Program
- MWD Recycled Water Demonstration Project
- Topics for next meeting
- Adjourn

Purpose and Introduction

- Purpose

- Semi-annual LRP coordinators meeting
- Provide information on LRP and ORP
- Obtain input/comments from agencies
- A forum to discuss issues and share information regarding project development

- Introductions

- Attendees at the meeting
- Attendees via webinar
- Mailing update

Local Resources Program (LRP) Update

LRP Background

- LRP provides incentives for new local projects
 - Recycled water
 - Groundwater recovery
 - Seawater desalination
- Need to accelerate project production
 - Meet IRP and 20x2020 goals
 - Alleviate drought conditions

LRP Incentive Payment Structure Options

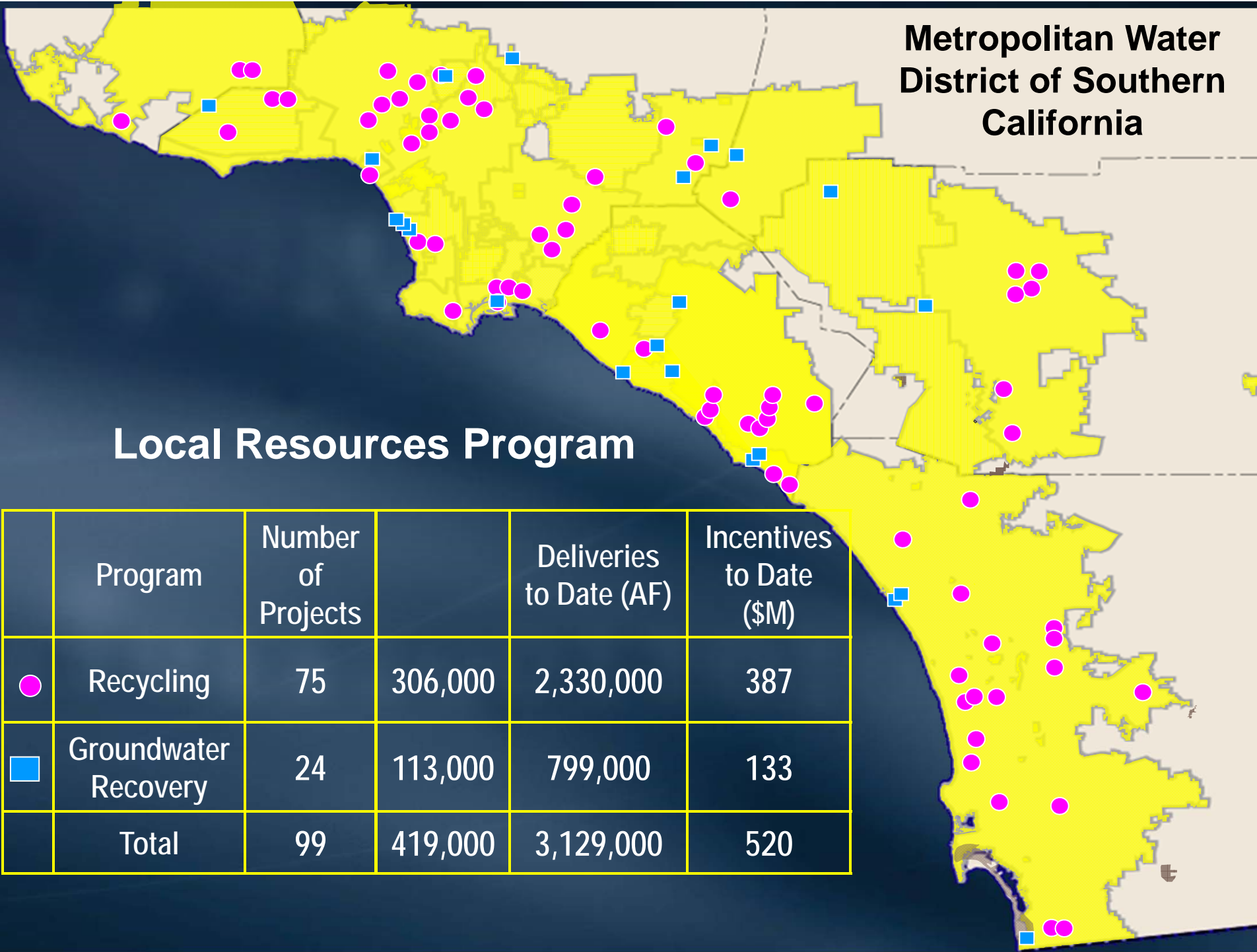
Payment Structure Alternatives	Maximum Incentive Amount	Payment Period
1 – Sliding Scale	\$340/AF	25 years
2 – Sliding Scale	\$475/AF	15 years
3 – Fixed Incentive Rate	\$305/AF	25 years

- Program criteria and performance provisions apply
- Agency would pick one option at the time of application
- Application is online at www.mwdh2o.com

Metropolitan Water District of Southern California

Local Resources Program

	Program	Number of Projects		Deliveries to Date (AF)	Incentives to Date (\$M)
●	Recycling	75	306,000	2,330,000	387
■	Groundwater Recovery	24	113,000	799,000	133
	Total	99	419,000	3,129,000	520



Current Program Status

- 2014 LRP target 63,000 AFY
- 6 projects under review 66,000 AFY
- 9 proposed projects 27,000 AFY



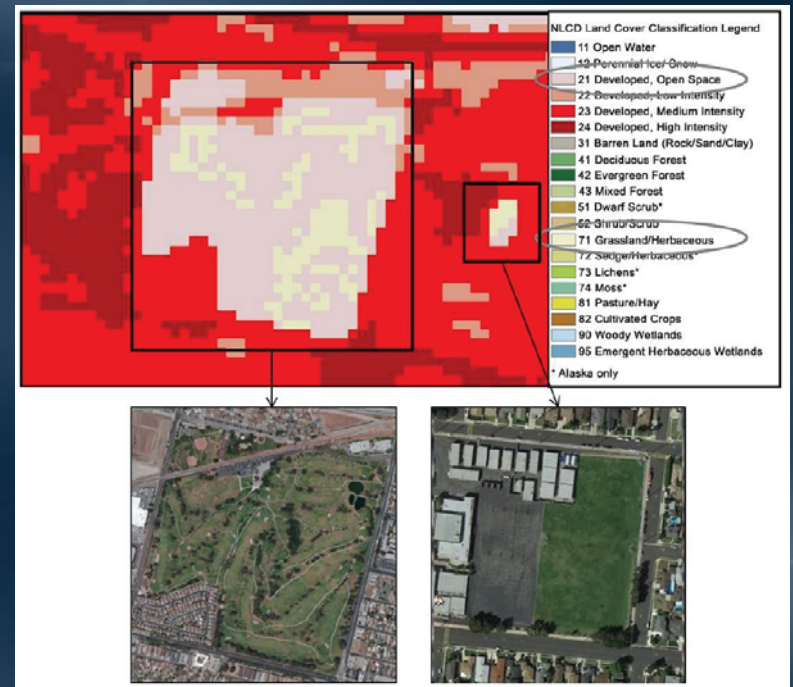
Future Projects Inventory

- Proposed LRP application in 2016 and 2017
 - Project description
 - Agreement with customers (or ordinance)
 - Agreements with other agencies
 - CEQA (MWD's LRP as potential sources of funding)
 - Financing arrangements
 - Management approval
- MWD will email the spreadsheet format

Regional Recycled Water GIS

Goals

- Identify and catalog Large Landscape sites
- Overlay Metropolitan's past participation data (sites that have received incentives to retrofit water-conserving landscape equipment)
- Update Metropolitan's recycled water infrastructure data
- Obtain water treatment plant production data



Recycled Water Infrastructure

- Treatment Plants
- Pipelines & connections
- Service points, storage areas
- Production data
(if/where available)

Recycled Water Data

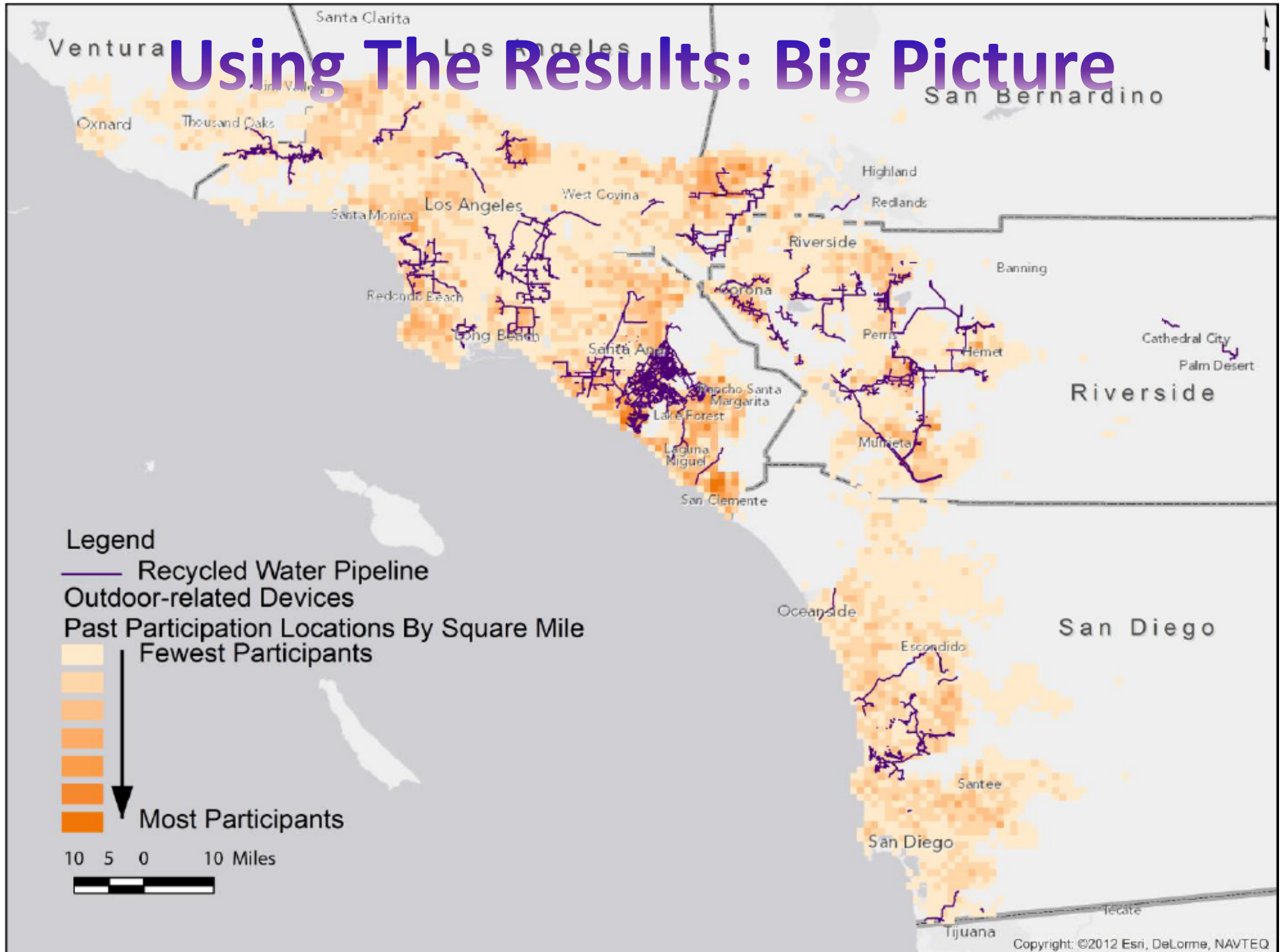
- Challenges

- Not all agencies can/will share data
- Multiple formats (digital/ hard copy/PDF/GIS/etc.)
- Multiple agencies and agency types:
Water Agencies, Water Authorities, Watershed Authorities, Sanitation Districts, NGOs, Cities, Counties...

- Sources

- Online data
- Published reports
- Direct communication with agencies

Using The Results: Big Picture

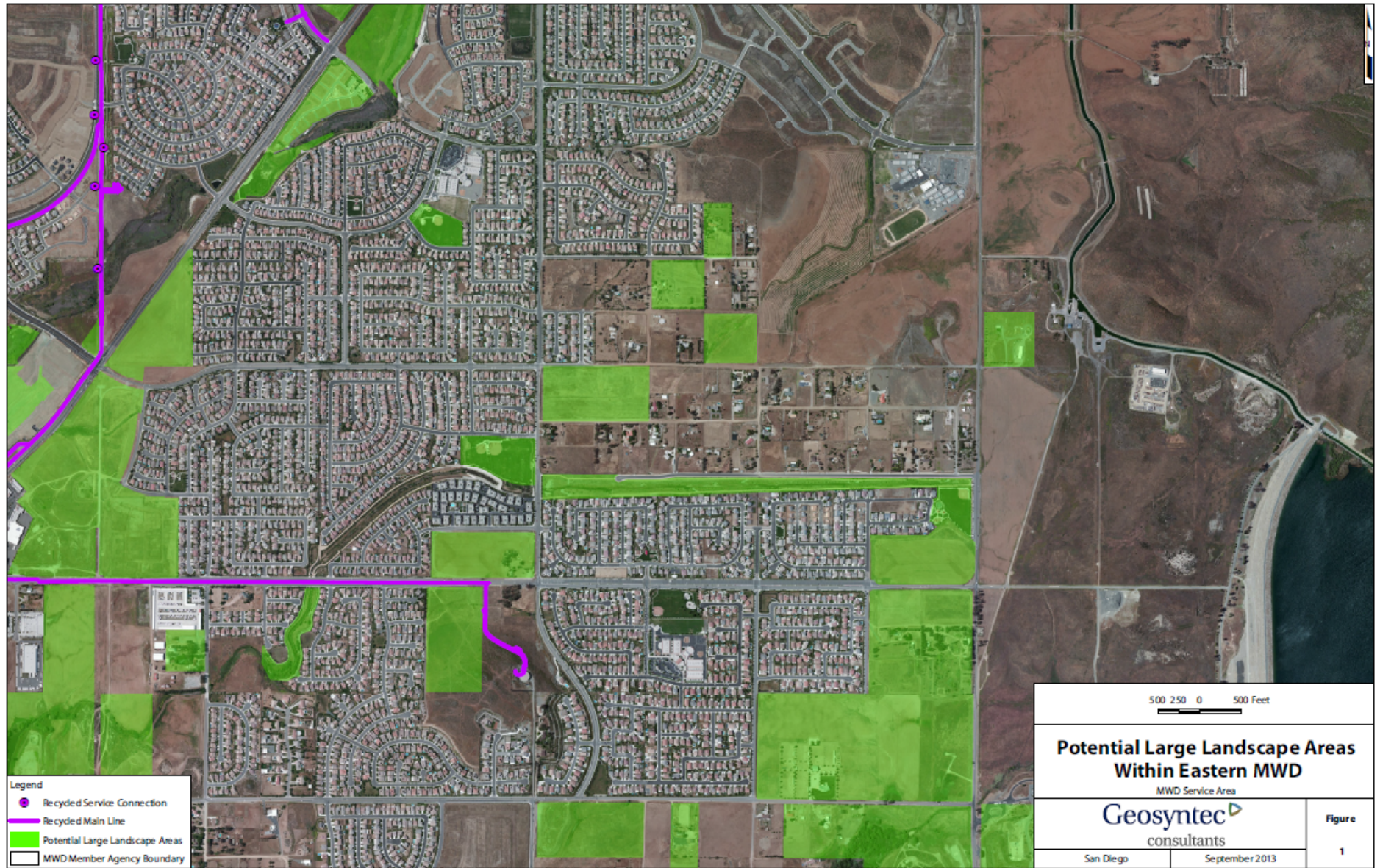


Using The Results

Carlsbad WRF

Encina Water Pollution Control Facility (WPCF)

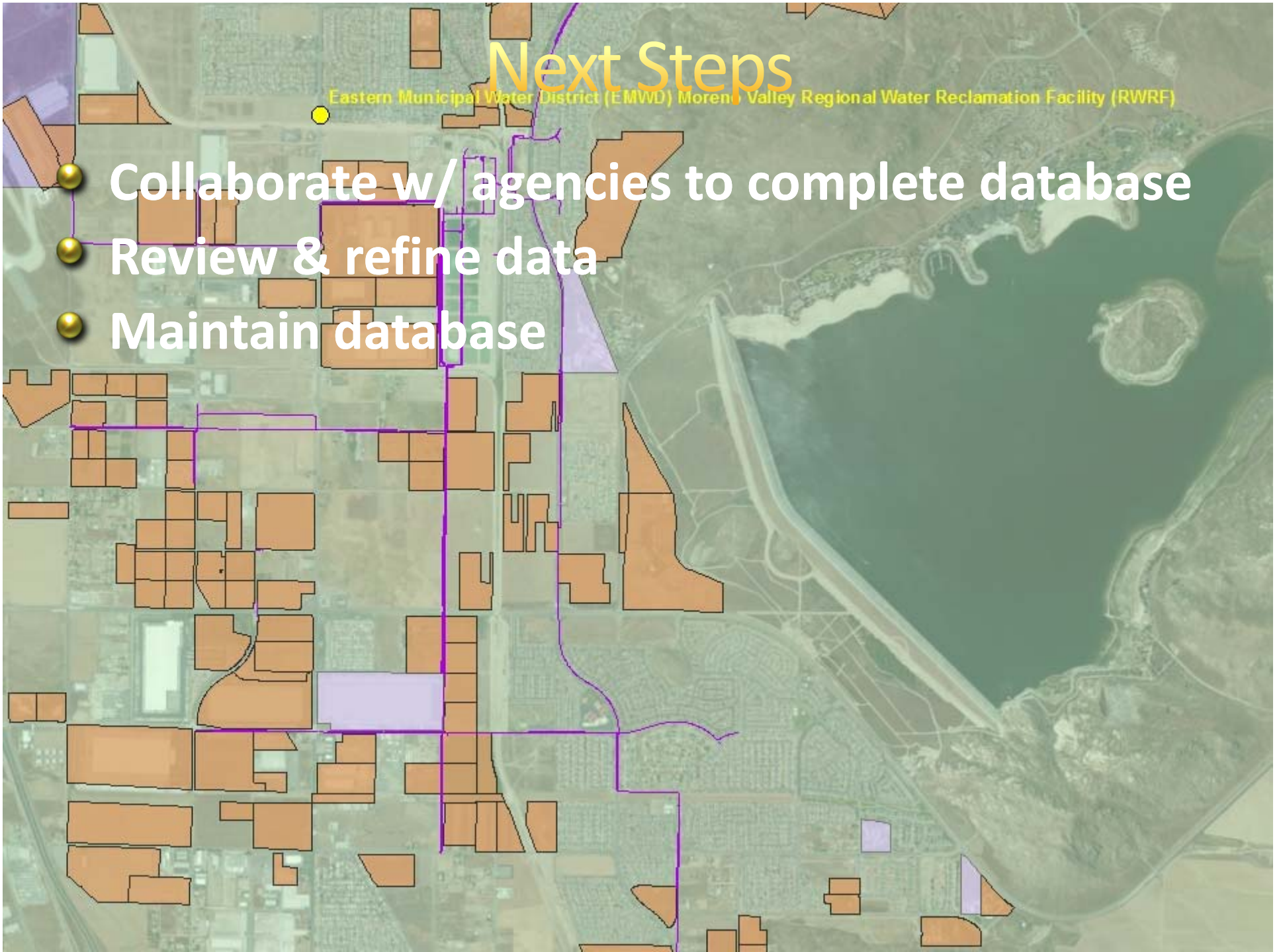
- Identify saturated areas & potential target areas
- Review marketing and outreach strategies
- Collaboration options



Next Steps

Eastern Municipal Water District (EMWD) Moreno Valley Regional Water Reclamation Facility (RWRWF)

- Collaborate w/ agencies to complete database
- Review & refine data
- Maintain database



2015 IRP Update

2015 IRP Update Process & Schedule



2015 IRP Update Targets



Colorado River Aqueduct

- Base supply programs to ensure 900 TAF of diversions
- Flexible programs to ensure 1.2 MAF in dry-years



State Water Project

- Science-based management approach in the near-term
- Long-term solution through CA WaterFix & EcoRestore



It's everyone's turn.

Together we can save more.

bewaterwise.com

Conservation

- Pursue outdoor savings through the State's MWELO
- Continue device-based programs in support



Local Resources

- Ensure that planned local development occurs
- Recognize risks and potentially develop more supplies

2015 IRP Update Targets

Local Supplies

- Ensure that the total local supply production target is reached
 - 2.43 MAF by 2040
 - 230 TAF increase projected from 2016 to 2040
- Recognize risks and potentially develop additional supplies
 - 2014 actual local supplies were only 1.95 MAF

Local Supplies (MAF)	2016	2020	2025	2030	2035	2040
Total Local Supply Target	2.20	2.31	2.36	2.39	2.41	2.43

Policy Issues Have Been Identified

- Policy issues were identified through IRP Committee discussion, IRP Technical Workgroup, IRP Issue Paper review, and public outreach
- Policy discussion and direction is needed to effectively implement IRP targets
 - Regional and retail water supply reliability
 - Conservation program and approach
 - Local Resources development and regional role
 - Storage management goals and operational framework
 - Transfers and Exchanges approach

Key Policy Development Areas

- Policy principles will help to guide in the review and reformation of program implementation



Upcoming Policy Discussions

- IRP Committee February/March 2016
 - Review of previous policy discussions from 1996 through 2010
 - Develop approach and format for April 2016 Board Retreat
- Board Retreat April 26-27, 2016

On-site Retrofit Pilot Program (ORP) Update

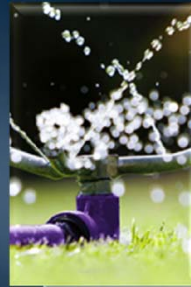
Program Description

- Provide Incentives to convert potable water systems to recycled water
 - Irrigation, commercial, or industrial
- Three year pilot program
 - Ends July 30, 2016 or when the funds are committed
- Up to \$8.2 Million (including USBR grant)
- Incentive of \$195/AF for five years of estimated water use
 - Water use estimate based on three year prior potable use
 - Not to exceed actual on-site retrofit costs
 - Paid upon connection to recycled water system

Program Requirements



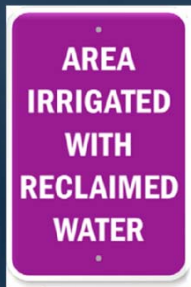
Must offset a demand on Metropolitan's potable water system



All permitting must be complete at the time of application*



Recycled water must be available at the project site for use

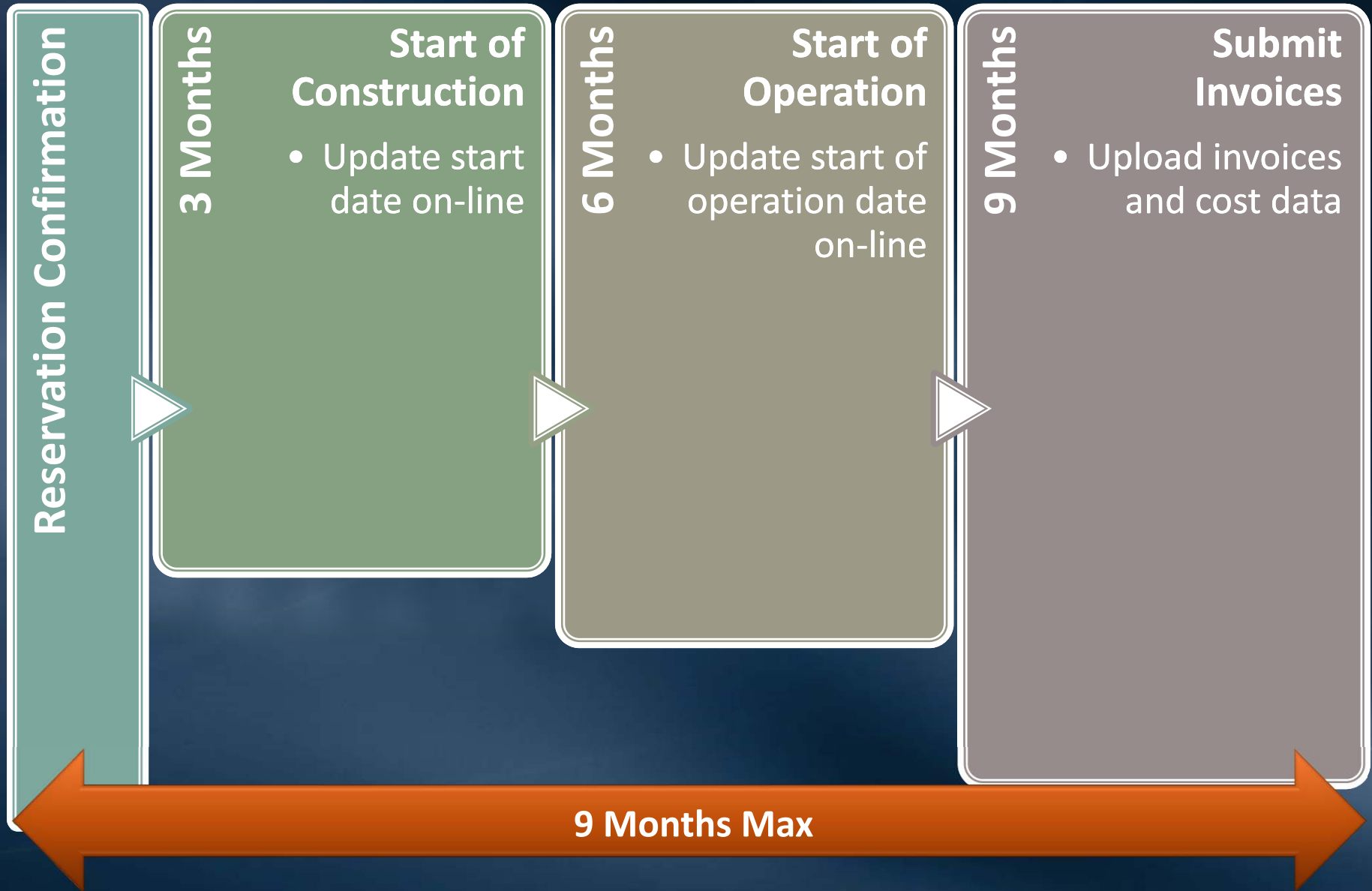


Sites under construction are ineligible

Application Process



Program Timeline



Program Status

Program Summary			
	No. of sites	Amount	Acre-feet
Confirmed Reservations	119	\$4,344,000	4,226
Applications under review	49	\$527,000	658
Paid invoices	60	\$2,058,000	2,821
Total	228	\$6,929,000	7,706

- Program budget - \$8.2 million (including USBR grant)
- Remaining - \$1.2 million

EMWD's Accelerated Retrofit Program

MWD Recycled Water Demonstration Project

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