



Recycled Water Accelerated Retrofit Program (ARP)

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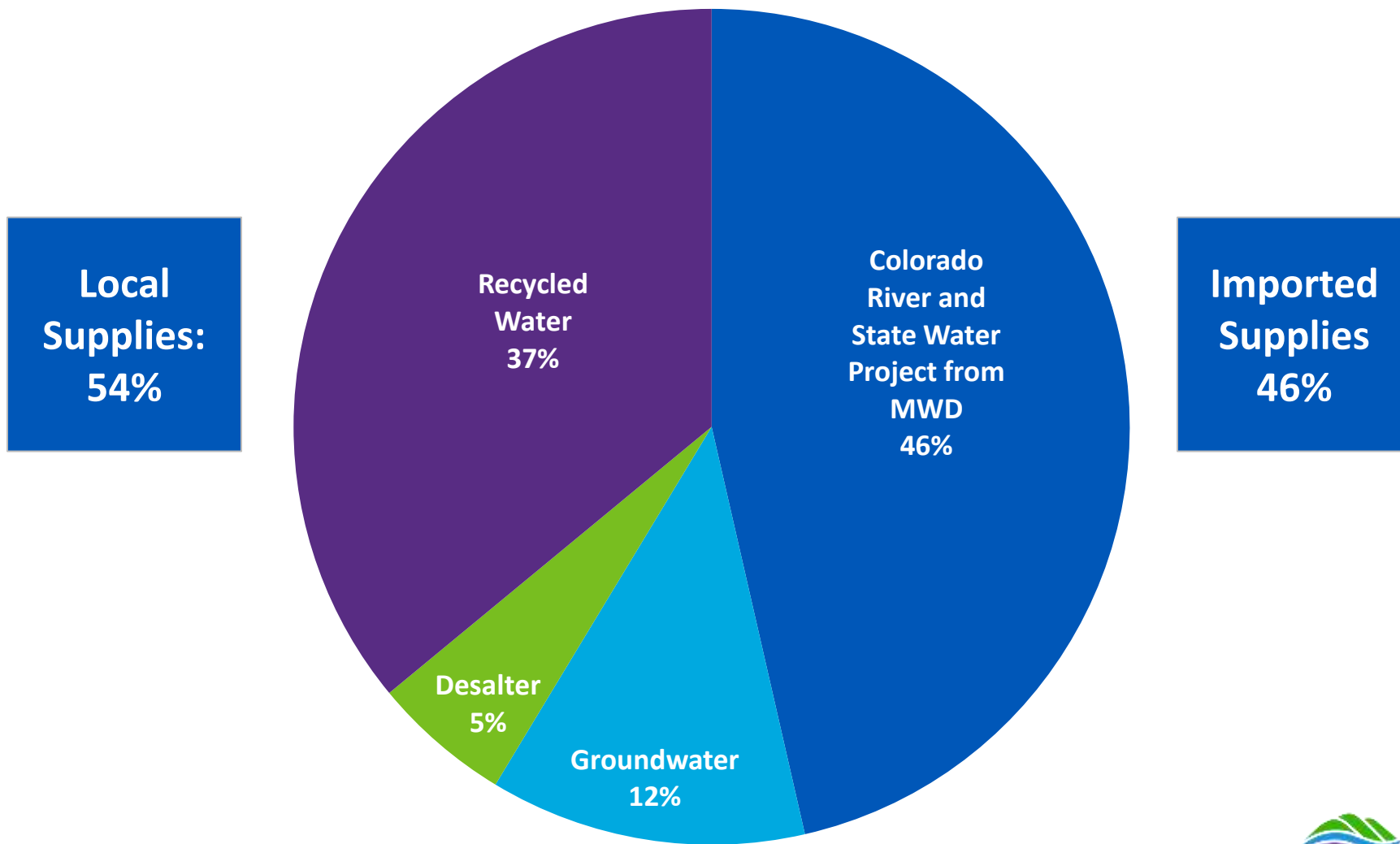
EMWD Overview

- Established in 1950
- 555 square-mile service area
- Service area population of 804,000
- Serving seven cities and unincorporated areas
- High-growth, arid area
- Unique agency, serving:
 - Water/Wastewater/Recycled
 - Wholesale and retail
- Sixth-largest water agency in California



EMWD's Water Supply Portfolio

Calendar Year 2016 – 119,046 acre feet



Recycled Water Infrastructure - Drought-proof Sustainable Supply

- Program started in 1960's:
 - Four tertiary treatment plants – averaging 42 MGD of recycled water
 - Agricultural irrigation (10,800 acres)
 - Sport fields, golf courses, parks, schools, medians, recreational
 - Industrial (regional power plant, manufacturing)
- More than 7,010 AF of seasonal storage reservoir capacity
 - 900 AF additional storage brought on-line in 2017
- \$188 million in total capital investments



Inland Empire Energy Center

Currently
100% of
wastewater is
recycled for
beneficial use



Recycled
water system
integrated



More than
35,000 AF sold
in FY 16/17

Recycled Water Accelerated Retrofit Program (ARP)

- Utilized SWRCB funded retrofit planning study
- Developed funding plan and Program processes
- Board approved and authorized \$2.2M in August 2015
- Program implementation costs recovered via recycled water rate
- 20 retrofit sites initially targeted



Accelerated Retrofit Program Information

Eastern Municipal Water District's (EMWD) Recycled Water Accelerated Retrofit Program offers significant incentives to qualified applicants within EMWD's boundaries who wish to retrofit their irrigation systems for recycled water use.

Background
EMWD's Mandatory and Related Recycled Water Use Rules and Regulations mandate that landscape systems within EMWD that are using potable water for non-domestic uses must be retrofitted in order to use recycled water as soon as it is available. Several homeowners associations, public agencies with parks and/or school landscape systems, and other major water users have indicated that the cost of retrofitting is a considerable hindrance to their ability to use recycled water.

Purpose of Accelerated Retrofit Program
The program will provide support services and funding for EMWD water customers to retrofit landscaping and irrigation systems to use recycled water. The program uses EMWD resources in a beneficial manner because it encourages conservation through greater recycled water use. Retrofitting existing potable water landscape systems to use recycled water is a very effective way of maximizing our potable water resources.

Program Details

- District may provide support services including permitting and technical design at no cost to the customer.
- District may provide recycled water meter connections at no cost to the customer.
- District will provide funding of actual costs up to \$2,000 per acre foot, per year of potable water usage (based on an average of the last three years of potable water consumption) to cover costs associated with retrofitting onsite landscape and irrigation systems.
- Upon completion, Customer will receive a reduced rate of 70% of their current potable water rate. After 8 years, rate will revert to the then applicable recycled water rate.
- Itemized invoices and supporting documentation must be submitted prior to disbursement of funding.

To be eligible, an applicant must:

1. Agree to undergo a site assessment to determine project feasibility.
2. Sign a notice of intent form and agree to meet established deadlines outlined in agreement.
3. Agree to provide in-kind staff support for site surveys including irrigation system operation and investigation.
4. Provide design input and approval.
5. Agree to on-site inspection, testing.

Submit a Recycled Water Retrofit Notice of Intent form to:
John Wuerth
Recycled Water Program Analyst
Eastern Municipal Water District
2270 Trumble Road, Perris, CA 92570

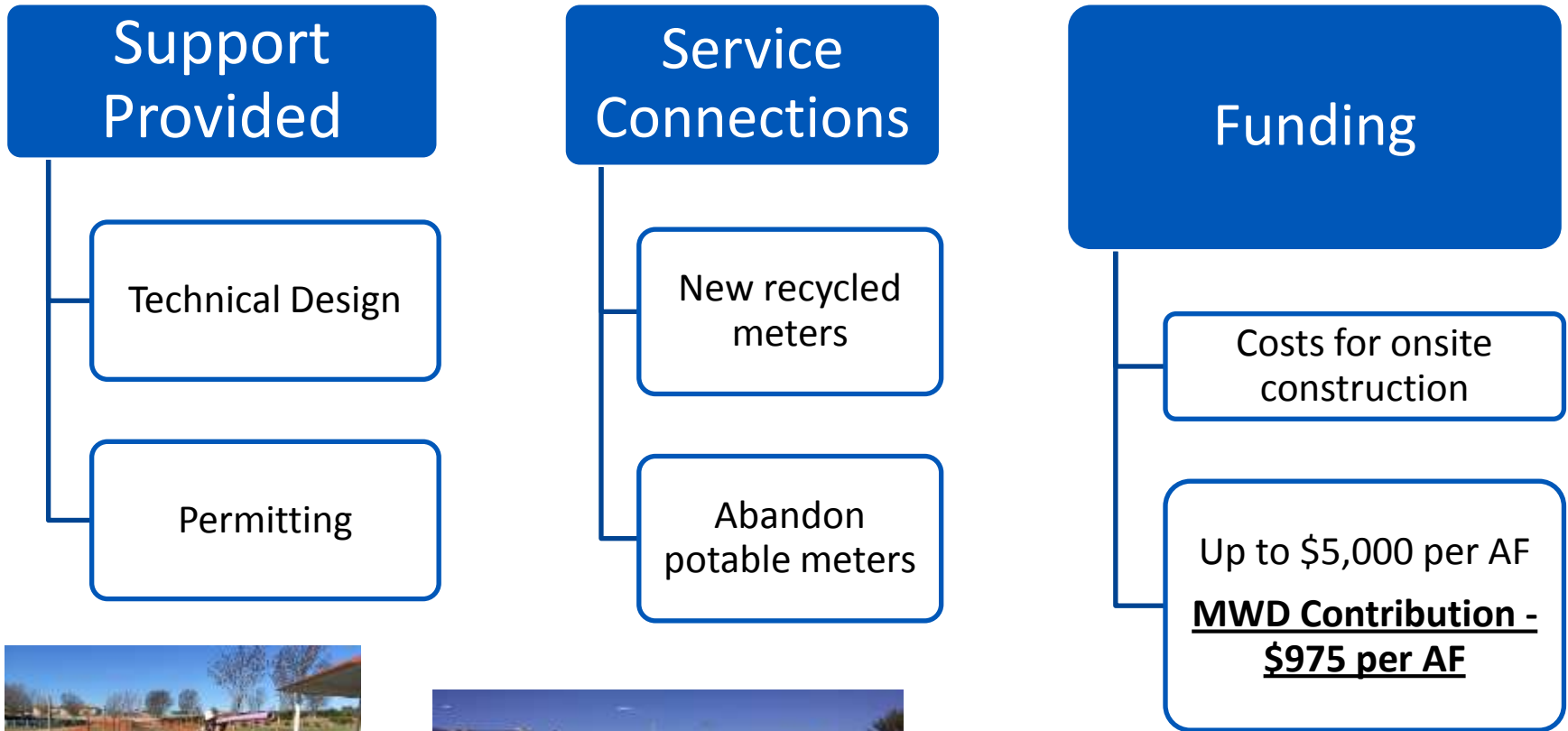
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EMWD reserves the right to review and assess any and all applicants' retrofitting needs and plans to assess water savings potential before issuing funds through the EMWD Recycled Water Accelerated Retrofit Program.



Early coordination with MWD to utilize the Onsite Retrofit Pilot Program (ORP)

ARP Program Elements



Program Partners

- Customers
 - Site survey / design
 - Manage construction
 - Invoice submittals
- EMWD staff
 - Program management
 - New services construction
 - Permit submittals
- EMWD consultants
 - Coordination with DDW
 - Site survey / design
- Metropolitan Water District
 - Onsite Retrofit Program funding



ARP Summary

- 469 AF/y retrofitted 24 Sites
- Enhanced customer relationships
- Streamlined business processes
- Maintained recreational areas
- Received \$442,279 from MWD ORP



Program Benefits

- Customer:
 - No up-front cost
 - Immediate cost savings
 - Able to maintain functional turf areas
- EMWD / MWD Partnership
 - Project and financial support utilized to meet challenges imposed by drought



What's Next? – ARP Phase II

Objectives

- Continue successes from Phase I
- Secure continued MWD financial support
- Expand to more District customers
- Replace non-functional turf
- Incorporate lessons learned from Phase I

Phase II Elements

- 22 Additional projects identified
- Potential 458 AF potable water offset
- \$2.5M Budget
- \$445,550 potential funding from MWD





Contact Information

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