

Financial Incentive\$ and Other Programs for Efficiency & Runoff Management

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**Melissa Baum-Haley, Ph.D.
Water Use Efficiency Programs Specialist
Municipal Water District of Orange County**



Municipal Water District of Orange County

- Wholesale water supplier and regional planning agency serving 28 cities and water districts
- Regional water use efficiency, education, public affairs, and emergency response programs
- Governed by seven-member elected board of directors
- 3rd largest member agency of Metropolitan Water District of Southern California
- Service area: 600 square miles
- Population: 2.2 million
- OCWD: groundwater basin management agency



Drought

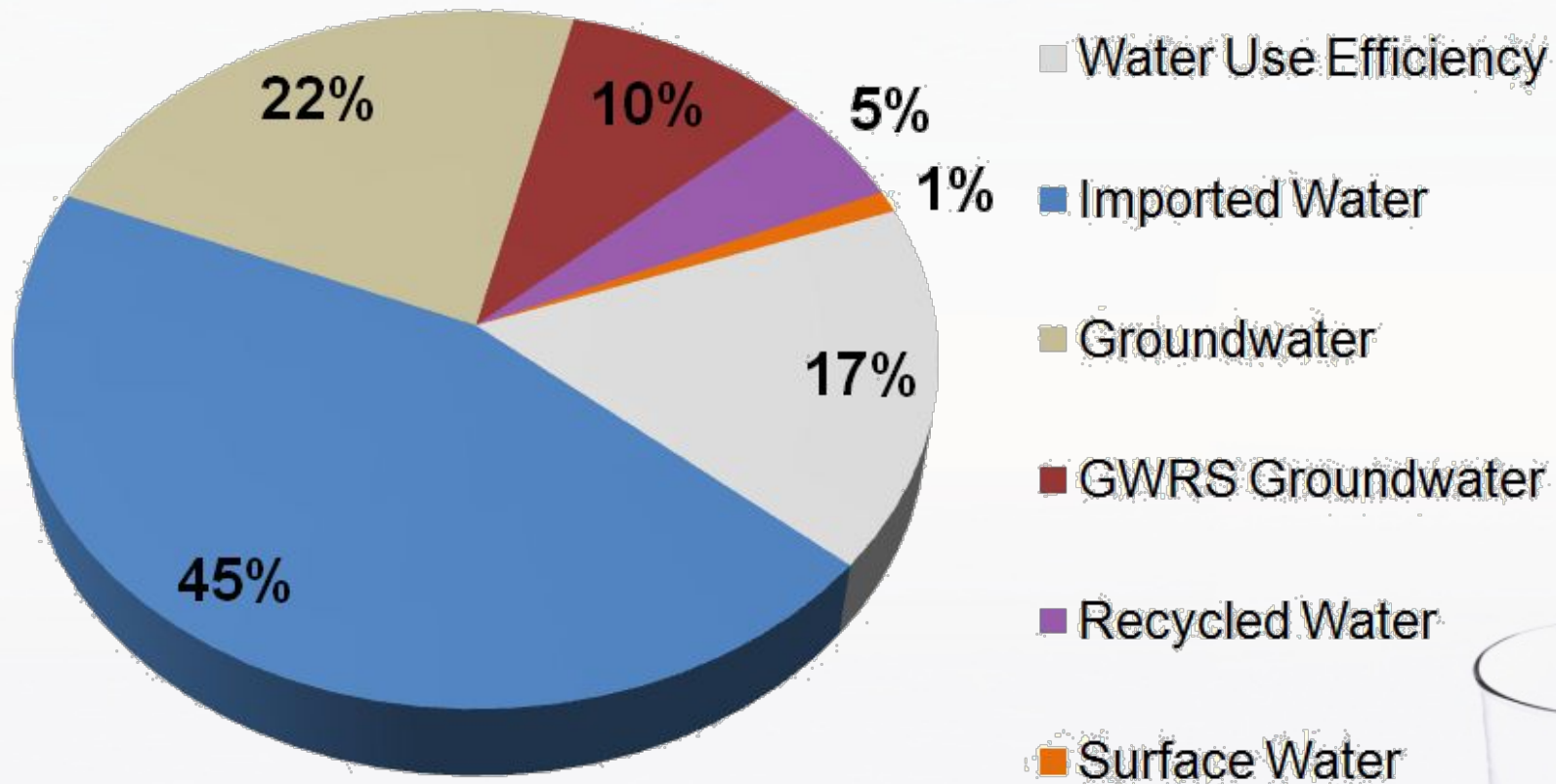
- January 17th Gov. Brown declares statewide drought emergency
- Call for increased water use efficiency
- Drought Talking Points
- Metropolitan Water District - \$5.5m drought outreach campaign

For more information go to:

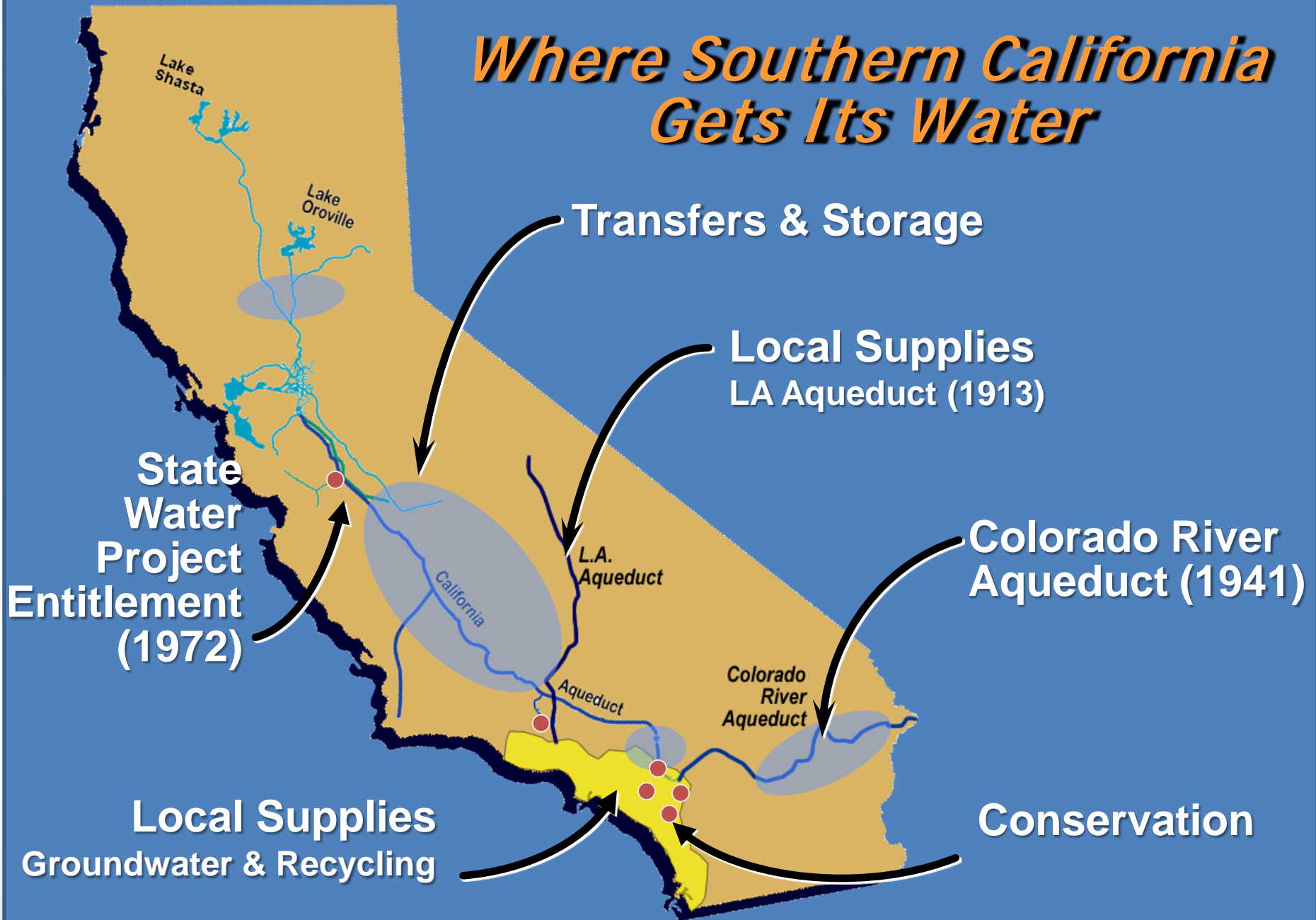
www.bewaterwise.com



Where Orange County Gets Its Water



Where Southern California Gets Its Water



The Problem



Too much excess water!
System inefficiencies!
Too much runoff!

Lack of maintenance!
Lack of management!
Lack of communication!



The Solution



REBATES & INCENTIVES

Give your plants the right amount of water — no more, no less.



SOIL MOISTURE SENSOR CONTROLLERS take the guesswork out of watering by monitoring your soil moisture and telling your sprinkler system how long to water your plants. This device can reduce outdoor water waste by up to 70% while keeping your plants healthy and attractive.

■ **Rebate level:** Up to **\$380** per controller for properties <1 acre, or **\$25** per station for properties >1 acre.

RAIN BARRELS capture the rainwater that falls onto your property and reuse it to water your plants. Rain barrels can also reduce ocean water pollution by preventing rainwater from carrying fertilizers, pet waste, and harmful debris from your property out into the ocean.

■ **Rebate level:** **\$75** per barrel (50-gallons or larger)

REBATES OFTEN COVER MOST OF THE DEVICE COST



Rebates

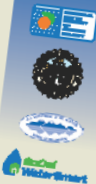
Protect the environment with new water-saving devices.

Last chance to get your toilet rebate!



Upgrade your old toilets with **HIGH EFFICIENCY TOILETS** that use just 1.28 gallons or less per flush. High efficiency toilets save an average of 38 gallons of water per month while achieving high performance standards.

■ **Rebate level:** **\$0** (or more) per toilet



Visit mwdoc.com/rebates or call (888) 376-3314 for more information.

Take Control of Your Sprinkler System!

WEATHER-BASED IRRIGATION CONTROLLER REBATE PROGRAM: Take control of your sprinkler system by installing a weather-based irrigation controller. These controllers use information about your plants, soil, and weather conditions to give your landscape the right amount of water.
Current Rebate Level: **Single-Family Residences: Up to \$425 per residence; Multi-family Residents and Businesses: \$25 per station (up to timer capacity)**

ROTATING NOZZLE REBATE PROGRAM: Reduce water runoff and overspray by replacing your sprinkler heads with water-efficient rotating nozzles. Rotating nozzles water more evenly and uniformly, and they can reduce your outdoor water consumption by up to 30%.
Current Rebate Level: **\$4 per nozzle.**



For more information:
Visit www.mwdoc.com/services/smart-irrigation
Single-family residents, call (888) 376-3314
Multi-family residents and businesses, call (877) 728-2282





Receive money back when you upgrade to "smart" technology that fully automates landscape watering, based on the weather and water needs of your plants.

Smart Timer Rebate Program

- Provides rebate incentives to install automated, self-adjusting weather-based irrigation controllers and soil moisture sensors
- **Commercial Smart Timer Rebate Levels:**
 - **\$25/station or more**
 - Depending on retail water agency





Rotating Nozzle Rebate Program

- Distribution Uniformity Improvement Incentive
- Replacement nozzle for spray heads
- Save 6,600 gallons per nozzle over 5 years
- **Rebate per nozzle = minimum \$4**
 - Depending on retail water agency
- 15 nozzle minimum per site for common areas (commercial)





Spray-to-Drip Rebate Program

- **Replace spray irrigation with drip irrigation**
 - Criteria includes pressure regulation and filters
 - Waters root zone directly = can eliminate overspray/runoff
- **Rebate amount in Orange County**
 - \$0.20 or more per square foot



Turf Removal Rebate Program



- Turf removal and replacement with California Friendly plants and permeable surfaces
- **Rebate amount in Orange County**
 - **\$1.00 to \$2.00 per square foot**
- Water savings are estimated at 44 gallons per square foot per year



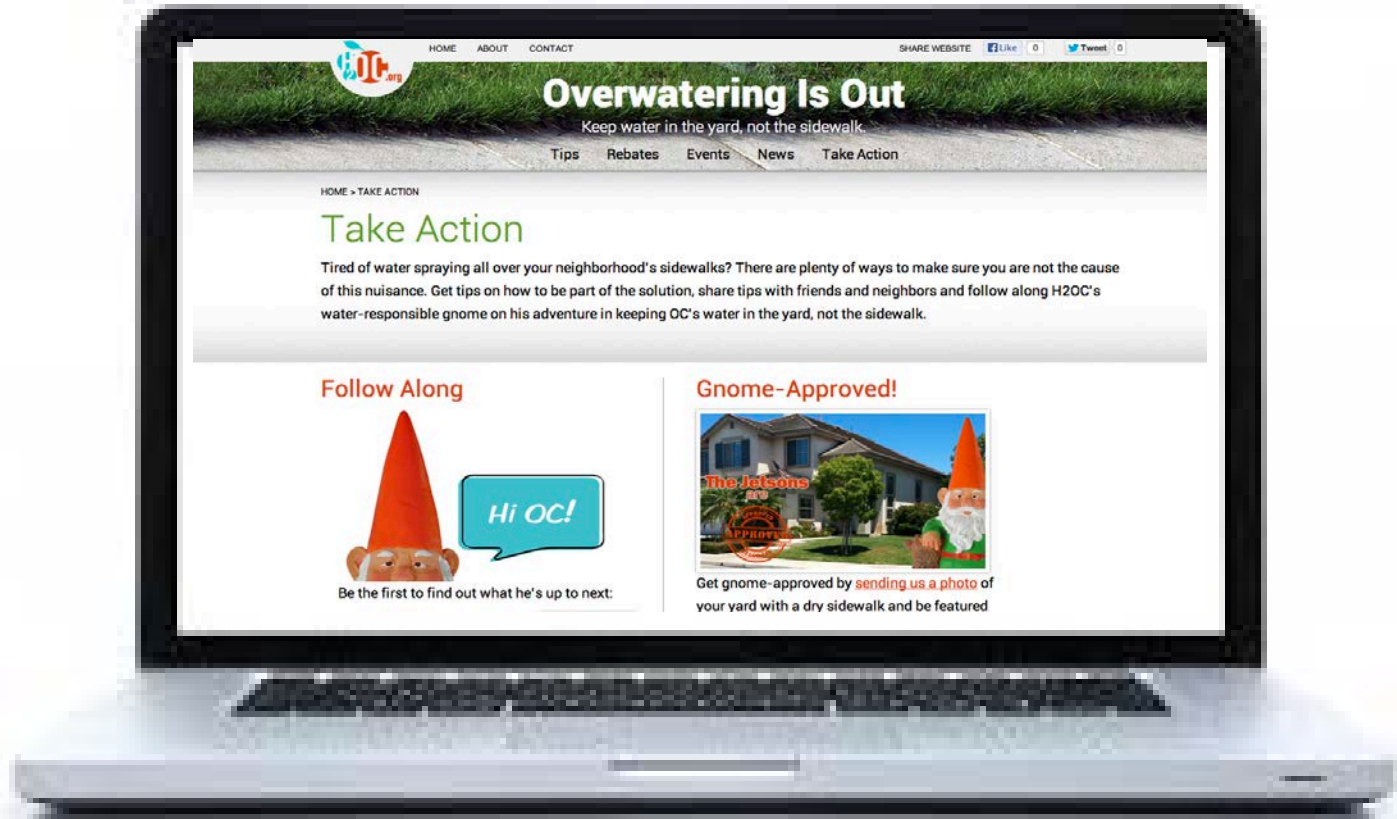
Rain Barrels

- Encourage the perspective that rain is a water source
- Gateway product, visual prompt, reaches all ages
 - Capture rainwater instead of letting it run off the property into storm drain
- **Rebate amount: \$75 per rain barrel**



Stormwater Partnership

- MS4 Permit Compliance
- Public Educational Informational Campaign Partnership



Commercial Water Smart Landscape **Program Tools**

- 1. Incentives Specific to Commercial Sites**
- 2. Landscape Performance Certification Program**
- 3. Performance-Based Irrigation Management Contract**
- 4. Return on Investment Calculator**



Fundamental Concepts

1. Reduce Site Water Requirements
2. Increase Irrigation System Efficiencies
3. Improve Management Practices



Landscape Surveys

THE METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA



Landscape Irrigation Survey

For Commercial, Industrial, Institutional
and Common Area Landscapes



Using more water than you should? Find out with a landscape irrigation survey.

HOW IT WORKS

A certified landscape irrigation auditor will survey and provide written recommendations for qualifying non-residential properties within Metropolitan's 5,200 square-mile service area **at no cost**. To participate, properties must have a minimum of one acre of irrigated land. Eligible landscapes include commercial and industrial sites, homeowner association common areas, and institutional sites like schools, parks and government facilities.

Surveys are scheduled on a first-come, first-served basis. To request a survey, please complete the online application at bewaterwise.com. Funding is limited and submitting an application does not guarantee a survey will be provided.

CONTACT

Deneice Cotton
Metropolitan Water District of Southern California
(213) 217-6616
dcotton@mwah2o.com

WHAT TO EXPECT

The property owner, manager or authorized representative with access to the irrigation controllers must be present during the survey. The certified landscape irrigation auditor will conduct a comprehensive review of the irrigation system including:

- System pressure
- Controllers
- Site conditions and irrigation scheduling
- Issues that cause higher water use, such as valve malfunctions, high or low pressure, sprinkler misalignment, poor drainage, breaks and leaks, runoff, etc.

Participants will receive a written report that includes:

- Data collected during the survey
- Recommendations for improving the site's irrigation efficiency including system repairs, equipment updates, and irrigation scheduling
- Information about available financial incentives to help with the cost of recommended improvements



bewaterwise.com

Pay for Performance Program

- **Water Savings Incentive Program**
- **Incentive amount paid based on actual water savings during a one year monitoring period**
 - **Can include a suite of device changes, plant changes, increased management, or any other practice**



Public Spaces WSL

- The Program specifically targets the implementation of comprehensive landscape improvements for publicly owned and other commercial landscape properties
 - Highly visible sites
 - Encourage the new norm
 - Cost share program





Water Smart Landscape Program (WSLP)

Formerly: Landscape Performance
Certification Program

- A Free Program that establishes Landscape Irrigation Budgets for dedicated landscape meters
- Provides monthly irrigation performance reports to landscape contractors, property managers and property owners
- Serves all of Orange County
 - Julio Sanchez, ConserVision Consulting
 - (949) 215-2168
 - Contractor for MWDOC





Water Smart Landscape Program (WSLP)

- An scientific calculation of the annual, monthly, or weekly water requirements for a specific irrigation meter
- A target for water use based on actual weather conditions and site characteristics including:
 - Evapotranspiration
 - Irrigated Area
 - Plant Material
 - Management Factor





Water Smart Landscape Program (WSLP)

- Site analysis of landscape, plant palette, irrigation system, and irrigation scheduling
- Determining whether the current landscape system can meet irrigation performance standards
- Complete site retrofits to meet performance standards
- Contract stakeholders negotiate performance boundaries
- Initiate participation on a meter-by-meter basis
- Refine performance boundaries over time



Performance-Based Irrigation Management Contract

An outcome-based approach to contracting that uses irrigation scheduling performance measures to define the minimum irrigation efficiency standards that must be met by the contractor.

Intended Users

- Commercial Property Owners
- Homeowner Associations
- Landscape Maintenance Contractors
- Community Managers
- Municipalities



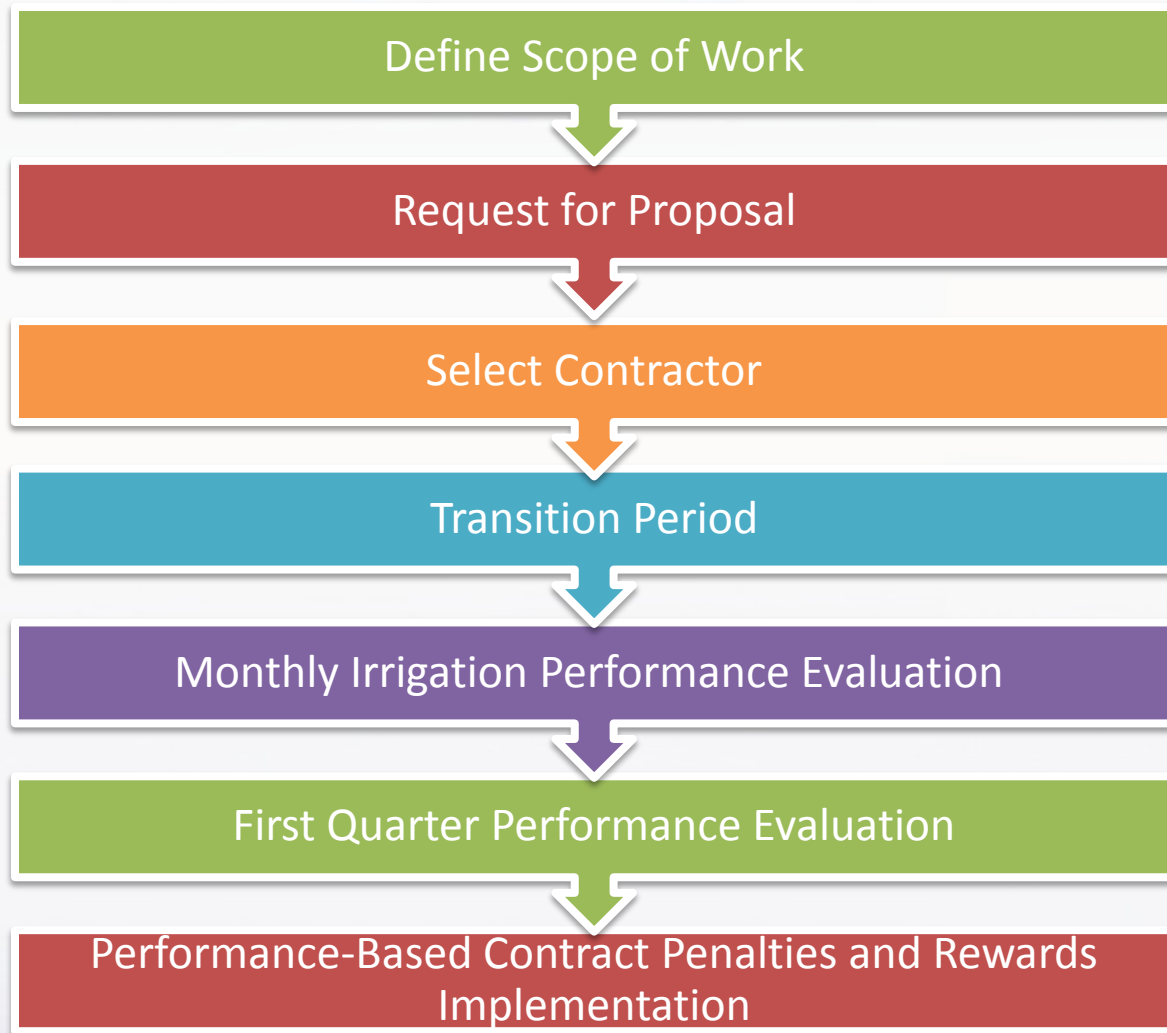
What do you mean by “Performance-Based”?

- The PBIMC is intended to complement the maintenance contract by including a scientifically-based landscape irrigation budget-monitoring component
- Adaptable/Customizable/Flexible
 - Within the template option boxes present alternative management strategies for site owners, managers, and landscape contractors to choose from.



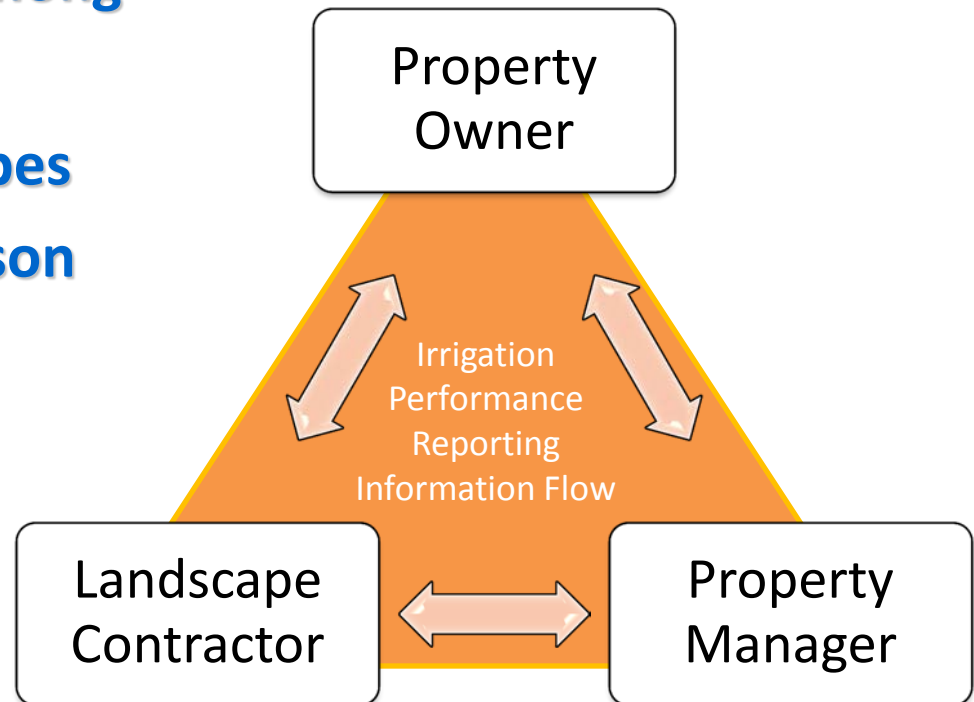


Steps of the Performance-Based Irrigation Management Contract



Desired Outcomes & Accountability of Performance

- Reduced water bills
- Decreased runoff
- Reduction of hardscape maintenance requirements
- Increased accountability for landscape contractor
- Increased communication among key parties
- Healthy and vibrant landscapes
- “Apples-to-Apples” comparison for landscaping bids

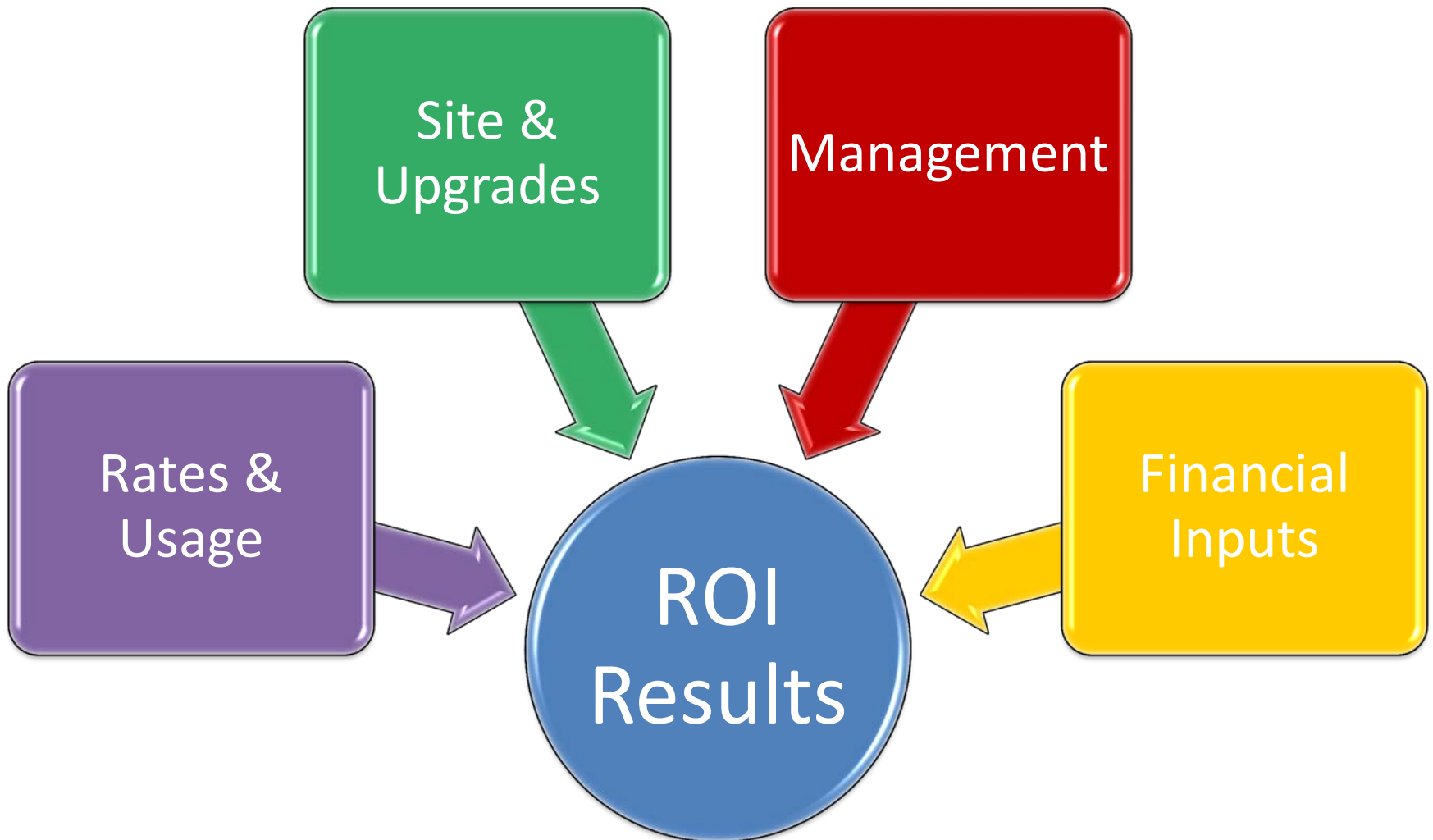


ROI Calculator

- Technical education
- Help prioritize sites for upgrades
- Identify potential expense reductions
 - O&M and Capital
- Facilitate communication among stakeholders
- Provide a financial analysis for landscaping and water management



Step through the calculator



What if you Need Help?

- **Technical Assistance**
 - Numerous technical worksheets, templates, and horticultural resources to facilitate implementation.
- **Technical Resources:**
 - Weather-Based Irrigation Budgeting Program
 - Weekly Water Meter Logs
 - Valve Data Spreadsheets
 - California-Friendly Plant Lists



Questions?

Melissa Baum-Haley

Water Use Efficiency Programs Specialist
Municipal Water District of Orange County

Office: (714) 593-5016

Email: mbaum-haley@mwdoc.com

Website: www.mwdoc.com/wue

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MWD

METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA

