This presentation premiered at WaterSmart Innovations
Performance-Based Incentives Encore
Are Custom Projects Saving Water?

Marcia Ferreira, PhD, PE
Metropolitan Water District of Southern California
October 4, 2017
82 Projects Completed Since 2013

12 TAF Estimated Lifetime Water Savings
What are these projects?

Where are these projects?

How long will these projects last?

Who is paying the incentives?
Water Wholesaler
26 Members Agencies
5,200 square miles
19 million people
4 MAF average regional water demand
Metropolitan Offers Standard Commercial Rebates

- Plumbing Fixtures
- Landscaping Equipment
- Food Equipment
- HVAC Equipment
- Medical and Dental Equipment
What if a Rebate for a Standard Device does not Attract a Commercial/Industrial Customer?
How to Encourage Long-Term Water Management as a Standard Business Practice?
Water Savings Incentive Program

Your property is unique; your water savings can be too
Custom Projects are Individually Reviewed

- Engineering specs
- Estimate Lifetime Water Savings
- Estimate Incentive
Estimating Lifetime Water Savings

Estimate via Engineering Specs

or

Monitor Water Consumption for a Year
Estimating Incentive

$/AF \times \text{Base conservation rate} \times \text{Estimated Lifetime Water Savings}

Capped at 50% Eligible Project Costs
Difficulties

Executing contracts
Gathering water bills
Managing contracts
Streamlined Process

WATER SAVINGS INCENTIVE PROGRAM

Your property is unique; your water savings project can be too

The Water Savings Incentive Program (WSIP) is designed for non-residential customers improving their water efficiency through upgraded equipment or services that do not qualify for standard rebates. WSIP is unique because it provides an incentive based on the amount of water customers save. This “pay-for-performance” design lets customers implement custom projects for their sites.

Any project that saves at least 10,000,000 gallons of water could qualify for WSIP funding. Examples of successful projects include:
Program Estimated Lifetime Water Savings

133 In Progress or Completed Projects

Agreement Start


Lifetime Savings (TAF)

35.8 TAF
82 Projects Completed Since 2013

12 TAF Estimated Lifetime Water Savings
Completed Projects

Altman Specialty Plants
Capture, Treat & Reuse Nursery Runoff
3,421AF (10 yrs)

Stone Brewing Co.
Industrial Recycled Water System Retrofit
440 AF (10 yrs)
Actual Water Savings Might Exceed Initial Estimation

Completed Projects

<table>
<thead>
<tr>
<th>Project</th>
<th>Savings Estimate w/ Monitoring</th>
</tr>
</thead>
<tbody>
<tr>
<td>Altman Specialty Plants, Inc.</td>
<td>+5.9%</td>
</tr>
<tr>
<td>The Boeing Company</td>
<td>+2.5%</td>
</tr>
<tr>
<td>Top 20 Projects (by dollar)</td>
<td>+1.3%</td>
</tr>
</tbody>
</table>
Performance-Based Incentives Encore
Are Custom Projects Saving Water?

YES!

Marcia Ferreira, PhD, PE
Metropolitan Water District of Southern California