Recycled Water Retrofit Assistance Program

SD IRWM - Proposition 50, Project 5

Regional Advisory Committee Meeting
August 3, 2016
Agenda

- Project purpose
- Goals and objectives
- Challenges
- Amendments
- Work completed
Recycled Water Retrofits

- Facilitate recycled water conversions through retrofits
- Small fraction of infrastructure cost
- Cost can be barrier to customer use
  - Responsibility customer
  - Vary between $10,000 to $100,000 per site
- Installing equipment and conducting tests to minimize unintended use and contact
Original Grant Proposal

- Direct financial assistance for retrofit work
- Reimburse all or portion of customer costs
- Target ~ 40 sites
- SDCWA project sponsor
- Project awarded in 2008
Project Goals and Objectives

- Improve water supply reliability
- Create drought-resilient supply
- Reduce dependency on imported water
- Minimize wastewater flows to ocean
- Reduce fertilizer usage
- Maintain recreational opportunities

Increasing Regional Water Supply Reliability through Diversification

Projected 2020 Supplies
- Recycled water use 7%
Total Budget

- DWR awarded $800,000 in grant funding
- $2,500 per irrigated acre
  - 20 irrigated acres maximum per site
  - Not to exceed $50,000 per retrofit site
- At least 50% matching funds per site
- Total budget: $1.6 Million
Project Challenges

- Funding requirements
- Increased construction and permitting costs
- Schedule delays
  - Permitting and regulatory review
  - Site selection process
Project Amendments

- Revised to ~ 20 sites
- Increased site funding up to $75,000
- Funding distribution system pipeline
- Additional funding
  - Labor compliance and permitting costs
  - Project administration
- Extended project completion date
Project Site Map
## City of Oceanside

<table>
<thead>
<tr>
<th>Project</th>
<th>Award</th>
<th>Total Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Goat Hill Golf Course Conversion</td>
<td>$75,000</td>
<td>$187,927</td>
</tr>
<tr>
<td>Pipeline Conversion &amp; Filling Station</td>
<td>$75,000</td>
<td>$281,891</td>
</tr>
<tr>
<td>El Corazon Sports Complex Conversion</td>
<td>$75,000</td>
<td>$300,683</td>
</tr>
<tr>
<td>Oceanside Municipal Golf Course Recycled Water Enhancement</td>
<td>$75,000</td>
<td>$169,134</td>
</tr>
<tr>
<td><strong>Total Costs</strong></td>
<td>$300,000</td>
<td>$939,635</td>
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</tbody>
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## Poway Unified School District

<table>
<thead>
<tr>
<th>Project</th>
<th>Award</th>
<th>Total Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Westview High School Retrofit Project</td>
<td>$50,000</td>
<td>$113,473</td>
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## Olivenhain MWD

<table>
<thead>
<tr>
<th>Project</th>
<th>Award</th>
<th>Total Cost</th>
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<tbody>
<tr>
<td>Main Extension (Rancho Santa Fe Road to Calle Barcelona)</td>
<td>$50,000</td>
<td>$188,819</td>
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## City of San Diego

<table>
<thead>
<tr>
<th>Project</th>
<th>Award</th>
<th>Total Cost</th>
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</thead>
<tbody>
<tr>
<td>San Diego/ Poway Bi-directional Recycled Water Flow Meter</td>
<td>$0 (match)</td>
<td>$165,280</td>
</tr>
<tr>
<td>3 Pipeline Extension Projects to HOAs (Compass Point, Capricorn Way, Westview Pky)</td>
<td>$91,522</td>
<td>$244,427</td>
</tr>
<tr>
<td>Carmel Valley Rd/ Camino del Sur recycled water pipeline connection</td>
<td>$30,326</td>
<td>$60,651</td>
</tr>
<tr>
<td>Los Penasquitos Creek Park retrofit</td>
<td>$35,879</td>
<td>$47,368</td>
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<tr>
<td><strong>Total Costs</strong></td>
<td><strong>$157,727</strong></td>
<td><strong>$517,726</strong></td>
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# City of Del Mar

<table>
<thead>
<tr>
<th>Project</th>
<th>Award</th>
<th>Total Cost</th>
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<tbody>
<tr>
<td>Infrastructure Expansion and fill station - Phase I</td>
<td>$75,000</td>
<td>$174,023</td>
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<tr>
<td>Infrastructure Expansion - Phase II</td>
<td>$75,000</td>
<td>$164,617</td>
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<tr>
<td>Infrastructure Expansion Median Supply Line - Phase III</td>
<td>$62,805</td>
<td>$131,693</td>
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<tr>
<td><strong>Total Costs</strong></td>
<td><strong>$212,805</strong></td>
<td><strong>$470,333</strong></td>
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</table>
Projects Completed

- Timeline June 2008 – April 2016
- Project costs with matching funds - $2.2 million
- 15 retrofit sites and expansion projects
- 400 AF/Yr of recycled water