Inland Empire Brine Line
Reach V Rehabilitation and Improvement Project – Phase 1

November 15, 2016
Recommendation

- Find that the unfinished condition of the Reach V Rehabilitation and Improvement Project after the termination for cause of the Project contractor continues to be an emergency that requires immediate action per the Commission’s prior action on August 2, 2016.
Reach V Rehabilitation and Improvement Project Phase 1

Task 1: Remove defective liner/PVC pipe and replace with new PVC pipe.
Task 2: Complete CKC deficiencies and place liners 1-10 into service.
Task 3: Remove by-pass system, complete CKC deficiencies.
Task 4: Rehabilitate Brine Line with Cured-In-Place Pipe.

Reach
1
2
3
Brine Line
Task 1 and 2

- Remove 3,340' of deficient PVC/CIPP
- Install 3,340' of new PVC Pipe
- Correct deficiencies from previous contractor
- Maintain by-pass line (12,000 ft)
- Dewater, CCTV and pressure test liners 1 – 10 (7,500 ft)
Public Outreach

- Project Update Brochures
- Construction Hotline
  - 1 Call
- Construction E-mail address
  - 1 E-Mail
- Posting to We are Temescal Valley Facebook Page
- Project Website
Questions?
Brine Line Service Contracts
Line Cleaning and Inspection

SAWPA Commission
Item 5.B
November 15, 2016
Recommendation to Commission:

- Approve Year Two of the existing Task Order INN 240-02 with Innerline Engineering in the amount of $50,000 for pipeline cleaning and inspection.
Inland Empire Brine Line
## Brine Line Cleaning and Inspection

<table>
<thead>
<tr>
<th>Service Provider</th>
<th>Scope of Work</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Innerline Engineering</td>
<td>80 hours Reach 4B Cleaning</td>
<td>$50,000</td>
</tr>
<tr>
<td></td>
<td>80 hours Water Truck</td>
<td></td>
</tr>
<tr>
<td></td>
<td>40 hours CCTV</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Traffic Control</td>
<td></td>
</tr>
</tbody>
</table>
Recommendation to Commission:

- Approve Year Two of the existing Task Order INN 240-02 with Innerline Engineering in the amount of $50,000 for pipeline cleaning and inspection.
Santa Ana Watershed Project Authority
Strategic Assessment – OWOW PATs

Mark R. Norton PE, LEED AP
Santa Ana Watershed Project Authority
November 15, 2016
SAWPA Strategic Assessment

- Strategic Assessment began in early 2016
- Facilitator was Paul Brown, Paul Redvers Brown, Inc.
- Goals, Objectives, Critical Success Factors and Processes, Activities, and Tasks were developed for three SAWPA Business Lines
SAWPA “Business Lines”

- Facilities Operations & Management (Brine Line)
- Collaborative Planning & Facilitation (Roundtables)
- One Water One Watershed (OWOW)
Paul Brown Interview Findings on OWOW Business Line

- Highly regarded by State-level officials for its diversified integrated planning
- SAWPA’s responsibilities reach beyond those of the JPA Member Agencies
- Experience with Steering Committee has led some to feel that the SAWPA JPA should be expanded
- Others believe that SAWPA should return to its project and planning roots
How did Integrated Regional Water Management arise in CA?

Our integrated approach became the Statewide template for integrated regional water management planning.

Wetlands & Environment

Brine Line (SARI) Use

Water Resources
OWOW Recognitions & Awards

APA Outstanding Planning Award

ACWA Clair A. Hill Award

EPA Clean Water Partner

Top 25 Innovative in Nation

Outstanding IWRM project & Marsh Medal for OWOW Chair, Ron Sullivan

ASCE LA Section Sustainable Engineering Project
Broad Management Strategies

- Demand Reduction and Water Use Efficiency
- Watershed Hydrology and Ecosystem Restoration
- Operational Efficiency and Transfers
- Remediation and cleanup
- Innovative Supply Alternatives
OWOW 2.0 Governance

SAWPA

Steering Committee
- Riverside County Supervisor
- Orange County Supervisor
- City Mayor in San Bernardino County
- Regional Water Board Representative
- Environmental & Community Member
- San Bernardino County Supervisor
- City Mayor in Riverside County
- City Mayor in Orange County
- Business Community Member
- Two SAWPA Representatives

Pillars
- Natural Resources Stewardship
- Disadvantage and Tribal
- Government Alliance
- Energy Environmental Impact Response
- Water Use Efficiency
- Beneficial Use Assurance
- Land Use and Water Planning
- Stormwater Resources and Risk Management
- Operational Efficiency and Water Transfers
- Water Resource Optimization
Components of Ideal Project for IRWM funding and 21st Century

Ideal OWOW Project

- Watershed Approach
- Multi Jurisdictional
- Multiple Benefits
- Sustainable
- Integrated Collaborative
- Adaptability to Climate Change
- Env. Justice/ DAC

One Water One Watershed
48 IRWM regions recognized by DWR among the 11 Funding Areas
DWR approves SAWPA as the integrated regional water management (IRWM) group for all IRWM work in the watershed.

Submitted successful project grant applications under Prop 50, Prop 84 Round 1, 2, Drought Round and 2015 Round under DWR’s IRWM implementation program.

SAWPA will be responsible for all audits and review of Props 50, 84 & Prop 1 projects for 10 years after completion.

**Funding:**
- Prop 50 = $25 million
- Prop 84 = $114 million
- Prop 1 = $63 million
DWR Strategic Plan reflects the State’s commitment to IRWM
Paul Brown Strategic Assessment

Process

Purpose and Goals

Critical Success Factors

Processes, Activities, Tasks
1. Implement the IRWM Program.
2. Prepare an integrated watershed-wide water management plan.
3. Facilitate the development of new watershed solutions.
4. Maximize funding opportunities and policy influence.
OWOW Critical Success Factors (CSFs) SAWPA Commission Approved 7-19-16

1. Continued support from SAWPA commission of OWOW Steering Committee’s decision making authority
2. Active participation of a diverse group of stakeholders
3. Distribution of benefits across watershed in a fair and equitable fashion.
4. OWOW criteria and values are transparent to watershed-wide stakeholders.
OWOW Critical Success Factors –
SAWPA Commission Approved 7-19-16

5. A strong reputation and sufficient capacity within SAWPA staff

6. Administration of the OWOW process and plan in a highly efficient and cost-effective manner.

7. Successful implementation of an integrated regional water resource plan

8. Annual review the accomplishments and Plan implementation

9. Data and information needed for decision-making is available to all.
OWOW Processes, Activities, Tasks (PATs) SAWPA Commission
Approved 7-19-16

Categories: OWOW
- Plan Development
- Administration
- Grant Application
- & Implementation
- Grant Administration
Estimated hours by PAT through FYE 2021

Compares estimated hours to SAWPA FYE 2017 Budget hours

“A Level” reflects hours necessary to fully implement - not all tasks are currently at “A Level”

Numbers in parentheses reflect labor hour shortfall

(budget hrs – req’d hrs = shortfall)

“C” reflects Outside Consultant services
OWOW PATs Evaluation

- 1576-4150 hrs tasks shortfall thru FY 2020
- Reflects need of at least one additional FTE to achieve “A level”
- About half of these hours reflected through need for additional watershed focus grant writing support
- Entry level position contemplated for succession planning
- Resources to meet labor hours to be evaluated under FY 2018-2019 Budget preparation process
Recommendation to Commission:

Receive and file report on SAWPA Strategic Assessment - OWOW Processes, Activities and Tasks
<table>
<thead>
<tr>
<th>OWOW Process, Activity, or Task</th>
<th>2016</th>
<th>2017</th>
<th>2018</th>
<th>2019</th>
<th>2020</th>
<th>Estimated Annual Hours Needed for &quot;A&quot; Level</th>
<th>FYE 2017 Budget Hours</th>
<th>Difference between Budgeted Hours and Need</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>OWOW Plan Development</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>OWOW Plan Development</td>
<td>1635</td>
<td>1640</td>
</tr>
<tr>
<td>3 Engage with stakeholders through general workshops and IRWMP work groups to assess progress towards achievement of OWOW objectives as well as to provide benefits of multi-benefits of watershed wide thinking and planning.</td>
<td>20</td>
<td>20</td>
<td>20</td>
<td>20</td>
<td>20</td>
<td>60</td>
<td>70</td>
<td>(10)</td>
</tr>
<tr>
<td>4 Support and train OWOW stakeholders in use of regional GIS functionality and OWOW project tracking tools.</td>
<td>60</td>
<td>60</td>
<td>60</td>
<td>60</td>
<td>60</td>
<td>100</td>
<td>100</td>
<td>0</td>
</tr>
<tr>
<td>5 Prepare annual watershed health assessment tracking watershed progress toward sustainability and resiliency.</td>
<td>80</td>
<td>80</td>
<td>80</td>
<td>80</td>
<td>80</td>
<td>0</td>
<td>80</td>
<td>0</td>
</tr>
<tr>
<td>6 Update the OWOW Plan every 3-4 or more frequently as needed to reflect current regional water resource needs, knowledge, data, or policy.</td>
<td>200</td>
<td>200</td>
<td>200</td>
<td>200</td>
<td>200</td>
<td>800</td>
<td>800</td>
<td>0</td>
</tr>
<tr>
<td>14 Conduct post assessment of project impacts and beneficial use of past OWOW plan and scoring for next OWOW plan update.</td>
<td>40</td>
<td>40</td>
<td>40</td>
<td>40</td>
<td>40</td>
<td>80</td>
<td>80</td>
<td>0</td>
</tr>
<tr>
<td><strong>OWOW Administration</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>OWOW Administration</td>
<td>1450</td>
<td>1200</td>
</tr>
<tr>
<td>3 Prepare standard progress reporting on scope, schedule, and deliverables.</td>
<td>20</td>
<td>20</td>
<td>20</td>
<td>20</td>
<td>20</td>
<td>80</td>
<td>80</td>
<td>0</td>
</tr>
<tr>
<td>7 Train and retain staff with capacity to conduct OWOW administrative functions including accounting, data management, communication, and maintenance functions.</td>
<td>60</td>
<td>60</td>
<td>60</td>
<td>60</td>
<td>60</td>
<td>240</td>
<td>240</td>
<td>0</td>
</tr>
<tr>
<td>10 Provide support to OWOW governance (Steering Committee and SAWPA Commission) to ensure successful administration and approval of OWOW planning and project implementation.</td>
<td>70</td>
<td>70</td>
<td>70</td>
<td>70</td>
<td>70</td>
<td>280</td>
<td>280</td>
<td>100</td>
</tr>
<tr>
<td>11 Maintain and/or upgrade state-of-the-art communication and meeting facilitation systems at SAWPA.</td>
<td>C</td>
<td>C</td>
<td>C</td>
<td>C</td>
<td>C</td>
<td>0</td>
<td>480</td>
<td>480</td>
</tr>
<tr>
<td>15 Institute and administer OWOW Goals for Projects and Project Selection with criteria that reflect a systems approach, that encourages multi-benefit, multi-jurisdictional integrated regional projects and programs.</td>
<td>240</td>
<td>240</td>
<td>240</td>
<td>240</td>
<td>240</td>
<td>0</td>
<td>480</td>
<td>480</td>
</tr>
<tr>
<td>16 Produce and implement communications strategy, plan and outreach to describe SAWPA's successes and capabilities under OWOW. Conduct outreach through SAWPA website, social media and annual OWOW conference.</td>
<td>120</td>
<td>120</td>
<td>120</td>
<td>120</td>
<td>120</td>
<td>120</td>
<td>120</td>
<td>0</td>
</tr>
<tr>
<td>17 Evaluate Goals for Projects, Project Selection and Grant Application efforts and successes for future project improvement.</td>
<td>120</td>
<td>120</td>
<td>120</td>
<td>120</td>
<td>120</td>
<td>0</td>
<td>120</td>
<td>0</td>
</tr>
<tr>
<td><strong>OWOW Grant Application and Implementation</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>OWOW Grant Application and Implementation</td>
<td>3,716</td>
<td>3,356</td>
</tr>
<tr>
<td>11 Successfully apply for, and receive all available State grant funding under IRWMP programs designated for the Santa Ana River Watershed.</td>
<td>80</td>
<td>80</td>
<td>80</td>
<td>80</td>
<td>80</td>
<td>800</td>
<td>3320</td>
<td>2320</td>
</tr>
<tr>
<td>12 Identify, pursue, secure and administer additional funding for integrated water resources management planning, projects and programs.</td>
<td>305</td>
<td>305</td>
<td>305</td>
<td>305</td>
<td>305</td>
<td>1220</td>
<td>1220</td>
<td>1220</td>
</tr>
<tr>
<td>21 Implement or construct SAWPA programs and projects: OWOW Plan assigned by SAWPA Commission - SAWPA Project Agreement 23 Committee administration. WUE tasks; budget based water rate support, aerial mapping and area measurement tasks, WUE outreach tools, SAWPA Creek, Water issues.</td>
<td>268</td>
<td>268</td>
<td>268</td>
<td>268</td>
<td>268</td>
<td>1,072</td>
<td>1,072</td>
<td>1,072</td>
</tr>
<tr>
<td>22 Implement or construct SAWPA programs and projects: OWOW Plan assigned by SAWPA Commission - SAWPA Project Agreement 23 Committee administration. SAWPCA program mgt consultant, Decision Support Tool, Planning Managers, etc.</td>
<td>141</td>
<td>141</td>
<td>141</td>
<td>141</td>
<td>141</td>
<td>564</td>
<td>564</td>
<td>564</td>
</tr>
<tr>
<td>23 Implement or construct SAWPA programs and projects: OWOW Plan assigned by SAWPA Commission - Project 3 - Unduplicated Community Involvement Tasks.</td>
<td>160</td>
<td>160</td>
<td>160</td>
<td>160</td>
<td>160</td>
<td>640</td>
<td>640</td>
<td>640</td>
</tr>
<tr>
<td><strong>OWOW SAWPA Grant Administration</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>OWOW SAWPA Grant Administration</td>
<td>5,870</td>
<td>5,870</td>
</tr>
</tbody>
</table>

Total Hours by Fiscal Year: 12,043, 13,450, 12,588, 10,516, 12,043, 13,450, 12,588, 10,516, 9,340, 2,709, 4,150, 3,248, 1,570.
Proposition 84 Projects
Status Update

November 15, 2016 Commission Meeting

Nicole D. Weideman, PE
### Proposition 84 Project Status

<table>
<thead>
<tr>
<th>Round</th>
<th>No. of Projects</th>
<th>Progress</th>
<th>Grant Amount</th>
<th>Total Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Round 1</td>
<td>13 Projects</td>
<td>7 Complete</td>
<td>$12M</td>
<td>$260M</td>
</tr>
<tr>
<td>Round 2</td>
<td>18 Projects</td>
<td>0 Complete</td>
<td>$14.5M</td>
<td>$150M</td>
</tr>
<tr>
<td>Drought Round</td>
<td>9 Participants</td>
<td>0 Complete</td>
<td>$12M</td>
<td>$23M</td>
</tr>
<tr>
<td>2015 Round</td>
<td>7 Participants</td>
<td>0 Complete</td>
<td>$61M</td>
<td>$237M</td>
</tr>
</tbody>
</table>
Projected Watershed-Wide Benefits of All Four Rounds of OWOW Prop 84 IRWM Projects

- Reduces water demand by 18,000 AFY representing 36,000 households
- Captures 44,000 AFY of stormwater for beneficial use
- Recharges 180,000 AF of additional imported water
- Produces 18,000 AFY of desalted groundwater
- Removes 29,000 tons of salt from groundwater per year
- Creates 11,000 AFY of additional recycled water
- Restores 3,800 acres of environmental habitat
- Reduces nonpoint source pollution by 29,000 pounds per year
- Reduces flood risk damage by $91 million
- Creates about 11,000 construction related jobs
Round 1 Projects
# Proposition 84 Round 1
## Project Status Update

<table>
<thead>
<tr>
<th>Project Name</th>
<th>Agency</th>
<th>Grant Amount</th>
<th>Required Funding Match</th>
<th>Add'l Cost Share</th>
<th>Total Project Cost</th>
<th>% Grant Billed</th>
<th>% Project Complete</th>
</tr>
</thead>
<tbody>
<tr>
<td>Grant Agreement Administration</td>
<td>SAWPA</td>
<td>$660,004</td>
<td>$0 0.00%</td>
<td>$0</td>
<td>$660,004</td>
<td>44%</td>
<td>44%</td>
</tr>
<tr>
<td>GWRS Flow Equalization</td>
<td>OCWD</td>
<td>$1,000,000</td>
<td>$1,180,760 7.67%</td>
<td>$13,218,920</td>
<td>$15,399,680</td>
<td>100%</td>
<td>100%</td>
</tr>
<tr>
<td>Sludge, Dewatering, Odor Control &amp; Primary Sludge Thickening</td>
<td>OCSD</td>
<td>$1,000,000</td>
<td>$36,638,218 26.00%</td>
<td>$103,278,005</td>
<td>$140,916,223</td>
<td>100%</td>
<td>94%</td>
</tr>
<tr>
<td>Santa Ana Watershed Vireo Monitoring</td>
<td>SAWA</td>
<td>$600,000</td>
<td>$225,994 26.00%</td>
<td>$43,213</td>
<td>$869,207</td>
<td>100%</td>
<td>100%</td>
</tr>
<tr>
<td>Mill Creek Wetlands*</td>
<td>Ontario</td>
<td>$1,000,000</td>
<td>$1,615,000 8.85%</td>
<td>$15,635,000</td>
<td>$18,250,000</td>
<td>100%</td>
<td>100%</td>
</tr>
<tr>
<td>Cactus Basin</td>
<td>SBCFCD</td>
<td>$1,000,000</td>
<td>$4,427,155 29.96%</td>
<td>$9,350,026</td>
<td>$14,777,181</td>
<td>100%</td>
<td>65%</td>
</tr>
<tr>
<td>Inland Empire Brine Line Rehabilitation and Enhancement</td>
<td>SAWPA</td>
<td>$1,000,000</td>
<td>$698,153 10.07%</td>
<td>$5,234,576</td>
<td>$6,932,729</td>
<td>100%</td>
<td>100%</td>
</tr>
</tbody>
</table>

1 $13,218,920 in Other State Funds
2 $15,420,000 in Other State Funds
3 $5,234,576 in Other State Funds

* Retention not paid yet

Green – Project on schedule or ahead of schedule
Yellow – Project delay experienced, still on track to complete on time
Orange/Red – Project delay experienced, unsure if project will complete on time, or not enough schedule information known at this time to determine.
## Proposition 84 Round 1
### Project Status Update

<table>
<thead>
<tr>
<th>Project Name</th>
<th>Agency</th>
<th>Grant Amount</th>
<th>Required Funding Match</th>
<th>Add'l Cost Share</th>
<th>Total Project Cost</th>
<th>% Grant Billed</th>
<th>% Project Complete</th>
</tr>
</thead>
<tbody>
<tr>
<td>Arlington Desalter Interconnection Project</td>
<td>Corona</td>
<td>$400,000</td>
<td>$350,493</td>
<td>$597,556</td>
<td>$1,348,049</td>
<td>100%</td>
<td>100%</td>
</tr>
<tr>
<td>Perris II Desalination Facility</td>
<td>EMWD</td>
<td>$1,000,000</td>
<td>$607,296</td>
<td>$728,456</td>
<td>$2,335,752</td>
<td>100%</td>
<td>99%</td>
</tr>
<tr>
<td>Perchlorate Wellhead Treatment System Pipelines</td>
<td>WVWD</td>
<td>$1,000,000</td>
<td>$368,940</td>
<td>$50,060</td>
<td>$1,419,000</td>
<td>100%</td>
<td>100%</td>
</tr>
<tr>
<td>Chino Creek Wellfield Development Project</td>
<td>WMWD</td>
<td>$1,000,000</td>
<td>$1,646,091</td>
<td>$3,685,027</td>
<td>$6,331,118</td>
<td>100%</td>
<td>95%</td>
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<tr>
<td>Impaired Groundwater Recovery</td>
<td>IRWD</td>
<td>$1,000,000</td>
<td>$20,148,848</td>
<td>$16,173,122</td>
<td>$37,321,970</td>
<td>100%</td>
<td>100%</td>
</tr>
<tr>
<td>Alamitos Barrier Improvement Project</td>
<td>OCWD</td>
<td>$1,000,000</td>
<td>$650,600</td>
<td>$9,956,000</td>
<td>$11,606,600</td>
<td>100%</td>
<td>30%</td>
</tr>
<tr>
<td>Arlington Basin Water Quality Improv Project</td>
<td>WMWD</td>
<td>$1,000,000</td>
<td>$900,000</td>
<td>$809,670</td>
<td>$2,709,670</td>
<td>1%</td>
<td>45%</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td></td>
<td><strong>$12,660,004</strong></td>
<td><strong>$69,457,548</strong></td>
<td><strong>$179,419,635</strong></td>
<td><strong>$261,537,187</strong></td>
<td><strong>89.3%</strong></td>
<td><strong>81.4%</strong></td>
</tr>
</tbody>
</table>

4 $9,956,000 in Other State Funds

Green – Project on schedule or ahead of schedule
Yellow – Project delay experienced, still on track to complete on time
Orange/Red – Project delay experienced, unsure if project will complete on time, not enough schedule information known at this time to determine.
Round 2 Projects
## Proposition 84 Round 2 Project Status Update

<table>
<thead>
<tr>
<th>Project Name</th>
<th>Agency</th>
<th>Grant Amount</th>
<th>Required Funding Match</th>
<th>Add'l Cost Share</th>
<th>Total Project Cost</th>
<th>% Grant Billed</th>
<th>% Project Complete</th>
</tr>
</thead>
<tbody>
<tr>
<td>Grant Agreement Administration</td>
<td>SAWPA</td>
<td>$625,310</td>
<td>$0 0.00%</td>
<td>$0</td>
<td>$625,310</td>
<td>33%</td>
<td>33%</td>
</tr>
<tr>
<td>Perris Desalination Program – Well 94</td>
<td>EMWD</td>
<td>$1,000,000</td>
<td>$0 0.00%</td>
<td>$9,238,280</td>
<td>$10,238,280</td>
<td>0%</td>
<td>13%</td>
</tr>
<tr>
<td>Quail Valley Subarea 9 Phase I Sewer System</td>
<td>EMWD</td>
<td>$1,930,000</td>
<td>$2,960,000 37.00%</td>
<td>$3,110,000</td>
<td>$8,000,000</td>
<td>19%</td>
<td>14%</td>
</tr>
<tr>
<td>Forest First</td>
<td>USFS</td>
<td>$1,000,000</td>
<td>$2,055,039 37.00%</td>
<td>$2,499,121</td>
<td>$5,554,160</td>
<td>0%</td>
<td>49%</td>
</tr>
<tr>
<td>Wineville Regional Recycled Water Pipeline and GW Recharge System Upgrades</td>
<td>IEUA</td>
<td>$1,000,000</td>
<td>$0 0.00%</td>
<td>$29,500,000&lt;sup&gt;1&lt;/sup&gt;</td>
<td>$30,500,000</td>
<td>100%</td>
<td>74%</td>
</tr>
<tr>
<td>Plunge Creek Water Recharge and Habitat Improvement</td>
<td>SBVWCD</td>
<td>$500,000</td>
<td>$184,731 26.00%</td>
<td>$25,769</td>
<td>$710,500</td>
<td>21%</td>
<td>30%</td>
</tr>
</tbody>
</table>

<sup>1</sup> $29,500,000 in Other State Funds

Green – Project on schedule or ahead of schedule
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<table>
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<tr>
<th>Project Name</th>
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<th>Grant Amount</th>
<th>Required Funding Match</th>
<th>Add'l Cost Share</th>
<th>Total Project Cost</th>
<th>% Grant Billed</th>
<th>% Project Complete</th>
</tr>
</thead>
<tbody>
<tr>
<td>Prado Basin Sediment Management Demonstration Project</td>
<td>OCWD</td>
<td>$ 750,000</td>
<td>$ 2,910,050 37.00%</td>
<td>$ 4,204,950</td>
<td>$ 7,865,000</td>
<td>0%</td>
<td>18%</td>
</tr>
<tr>
<td>San Sevaine GW Recharge Basin</td>
<td>IEUA</td>
<td>$ 750,000</td>
<td>$ 925,001 32.34%</td>
<td>$ 1,184,999</td>
<td>$ 2,860,000</td>
<td>43%</td>
<td>48%</td>
</tr>
<tr>
<td>Corona/Home Gardens Multi-Jurisdictional Water Transmission Line</td>
<td>Corona</td>
<td>$ 1,300,000</td>
<td>$ 2,327,494 37.00%</td>
<td>$ 2,663,031</td>
<td>$ 6,290,525</td>
<td>1%</td>
<td>38%</td>
</tr>
<tr>
<td>Enhanced Stormwater Capture &amp; Recharge along SAR</td>
<td>SBVMWD</td>
<td>$ 1,000,000</td>
<td>$ 11,581,000 37.00%</td>
<td>$ 18,719,000</td>
<td>$ 31,300,000</td>
<td>0%</td>
<td>25%</td>
</tr>
<tr>
<td>Regional Residential Landscape Retrofit</td>
<td>IEUA</td>
<td>$ 500,000</td>
<td>$ 370,000 37.00%</td>
<td>$ 130,000</td>
<td>$ 1,000,000</td>
<td>66%</td>
<td>95%</td>
</tr>
<tr>
<td>Canyon Lake Hybrid Treatment Process</td>
<td>LESJWA</td>
<td>$ 500,000</td>
<td>$ 327,635 37.00%</td>
<td>$ 57,865</td>
<td>$ 885,500</td>
<td>62%</td>
<td>90%</td>
</tr>
<tr>
<td>Customer Handbook to Using Water Efficiently</td>
<td>WMWD</td>
<td>$ 120,000</td>
<td>$ 42,000 25.93%</td>
<td>$ 0</td>
<td>$ 162,000</td>
<td>0%</td>
<td>45%</td>
</tr>
</tbody>
</table>

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## Proposition 84 Round 2
### Project Status Update

<table>
<thead>
<tr>
<th>Project Name</th>
<th>Agency</th>
<th>Grant Amount</th>
<th>Required Funding Match</th>
<th>Add'l Cost Share</th>
<th>Total Project Cost</th>
<th>% Grant Billed</th>
<th>% Project Complete</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lower Day Basin IEUA</td>
<td>$ 750,000</td>
<td>$ 917,599</td>
<td></td>
<td>$ 812,401</td>
<td>$ 2,480,000</td>
<td>0%</td>
<td>38%</td>
</tr>
<tr>
<td>CII Performance Based WUE Program MWDOC</td>
<td>$ 500,000</td>
<td>$ 898,179</td>
<td></td>
<td>$ 1,029,333</td>
<td>$ 2,427,512</td>
<td>100%</td>
<td>33%</td>
</tr>
<tr>
<td>Peters Canyon Channel Water Capture and Reuse Pipeline Irvine</td>
<td>$ 1,000,000</td>
<td>$ 3,211,086</td>
<td></td>
<td>$ 4,467,523</td>
<td>$ 8,678,609</td>
<td>100%</td>
<td>86%</td>
</tr>
<tr>
<td>Soboba Band of Luiseno Indians Wastewater Project Soboba</td>
<td>$ 150,000</td>
<td>$ 53,000</td>
<td></td>
<td>$ 0</td>
<td>$ 203,000</td>
<td>0%</td>
<td>45%</td>
</tr>
<tr>
<td>Recycled Water Project Phase I Riverside</td>
<td>$ 1,000,000</td>
<td>$ 8,030,000</td>
<td></td>
<td>$ 12,670,000</td>
<td>$ 21,700,000</td>
<td>0%</td>
<td>10%</td>
</tr>
<tr>
<td>Wilson III Basins Project and Wilson Basins/ Spreading Grounds Yucaipa</td>
<td>$ 750,000</td>
<td>$ 4,825,807</td>
<td></td>
<td>$ 7,466,914</td>
<td>$ 13,042,721</td>
<td>0%</td>
<td>29%</td>
</tr>
</tbody>
</table>

| Total                                                                        | $ 15,125,310        | $ 40,151,571 | $ 95,279,236           | $ 151,178,427    | 27%               | 43%           |

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Drought Round Projects
## Proposition 84 Drought Round
### Project Status Update

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<th>% Project Complete</th>
</tr>
</thead>
<tbody>
<tr>
<td>Grant Agreement Administration</td>
<td>SAWPA</td>
<td>$ 625,000</td>
<td>$ 0</td>
<td>$ 0</td>
<td>$ 625,000</td>
<td>47%</td>
<td>47%</td>
</tr>
<tr>
<td>Project Agreement 22 Committee Admin</td>
<td>SAWPA</td>
<td>$ 300,000</td>
<td>$ 0</td>
<td>$ 0</td>
<td>$ 300,000</td>
<td>65%</td>
<td>65%</td>
</tr>
<tr>
<td>Conservation Based Reporting Tools and Rate Structure</td>
<td>SAWPA</td>
<td>$ 6,662,610</td>
<td>$ 0</td>
<td>$ 0</td>
<td>$ 6,662,610</td>
<td>26%</td>
<td>34%</td>
</tr>
<tr>
<td>High Visibility Turf Removal &amp; Retrofit</td>
<td>EMWD</td>
<td>$ 906,800</td>
<td>$ 1,212,770</td>
<td>$ 600,830</td>
<td>$ 2,720,400</td>
<td>0%</td>
<td>57%</td>
</tr>
<tr>
<td>SARW</td>
<td>IEUA</td>
<td>$ 807,564</td>
<td>$ 1,080,050</td>
<td>$ 535,077</td>
<td>$ 2,422,691</td>
<td>100%</td>
<td>100%</td>
</tr>
<tr>
<td>High Visibility Turf Removal &amp; Retrofit</td>
<td>OCWD</td>
<td>$ 880,894</td>
<td>$ 1,178,123</td>
<td>$ 583,666</td>
<td>$ 2,642,683</td>
<td>0.27%</td>
<td>57%</td>
</tr>
<tr>
<td>SARW</td>
<td>SBVMWD</td>
<td>$ 828,499</td>
<td>$ 1,108,049</td>
<td>$ 548,949</td>
<td>$ 2,485,497</td>
<td>0%</td>
<td>13%</td>
</tr>
<tr>
<td>High Visibility Turf Removal &amp; Retrofit</td>
<td>WMWD</td>
<td>$ 851,243</td>
<td>$ 1,138,467</td>
<td>$ 564,019</td>
<td>$ 2,553,729</td>
<td>49%</td>
<td>78%</td>
</tr>
<tr>
<td>USMW</td>
<td>EMWD</td>
<td>$ 420,000</td>
<td>$ 561,715</td>
<td>$ 278,285</td>
<td>$ 1,260,000</td>
<td>0%</td>
<td>57%</td>
</tr>
<tr>
<td>High Visibility Turf Removal &amp; Retrofit</td>
<td>WMWD</td>
<td>$ 52,500</td>
<td>$ 70,214</td>
<td>$ 34,786</td>
<td>$ 157,500</td>
<td>0%</td>
<td>57%</td>
</tr>
<tr>
<td>USMW</td>
<td>RCWD</td>
<td>$ 525,000</td>
<td>$ 702,145</td>
<td>$ 447,855</td>
<td>$ 1,675,000</td>
<td>47%</td>
<td>77%</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td></td>
<td><strong>$ 12,860,110</strong></td>
<td><strong>$ 7,051,533</strong></td>
<td><strong>$ 3,593,467</strong></td>
<td><strong>$ 23,505,110</strong></td>
<td><strong>28%</strong></td>
<td><strong>58%</strong></td>
</tr>
</tbody>
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2015 Round Projects
# Proposition 84 2015 Round Project Status Update

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<tr>
<th>Project Name</th>
<th>Agency</th>
<th>Grant Amount</th>
<th>Required Funding Match</th>
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<th>% Project Complete</th>
</tr>
</thead>
<tbody>
<tr>
<td>Grant Agreement Administration</td>
<td>SAWPA</td>
<td>$3,213,384</td>
<td>$0</td>
<td>$0</td>
<td>$3,213,384</td>
<td>4.7%</td>
<td>0%</td>
</tr>
<tr>
<td>Newhope – Placentia Trunk Sewer Replacement Project</td>
<td>OCSD</td>
<td>$1,000,000</td>
<td>$30,000,000</td>
<td>$73,890,000</td>
<td>$104,890,000</td>
<td>0%</td>
<td>0%</td>
</tr>
<tr>
<td>Integrated Watershed Protection Program</td>
<td>RCFC&amp; WCD</td>
<td>$5,054,302</td>
<td>$9,060,000</td>
<td>$16,379,698</td>
<td>$30,494,000</td>
<td>0%</td>
<td>0%</td>
</tr>
<tr>
<td>SARCCUP</td>
<td>Member Agencies</td>
<td>$55,000,000</td>
<td>$30,500,000</td>
<td>$15,772,899</td>
<td>$101,272,899</td>
<td>0%</td>
<td>0%</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td></td>
<td><strong>$64,267,686</strong></td>
<td><strong>$69,560,000</strong></td>
<td><strong>$106,042,597</strong></td>
<td><strong>$239,870,283</strong></td>
<td>0%</td>
<td>0%</td>
</tr>
</tbody>
</table>

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A Closer Look

Round 2

• Wineville Regional Recycled Water Pipeline and GW Recharge System Upgrades (IEUA)
• Corona/Home Gardens Multi-Jurisdictional Water Transmission Line (City of Corona)
• Canyon Lake Hybrid Treatment Process (LESJWA)
• Customer Handbook to Using Water Efficiently (WMWD)
• CII Performance Based WUE Program (MWDOC)
Wineville Regional Recycled Water Pipeline and GW Recharge System Upgrades (IEUA)
Wineville Regional Recycled Water Pipeline and GW Recharge System Upgrades (IEUA)
Wineville Regional Recycled Water Pipeline and GW Recharge System Upgrades (IEUA)
Wineville Regional Recycled Water Pipeline and GW Recharge System Upgrades (IEUA)

Recharge Basin Location
1. Etiwanda Debris Basin
2. San Sevaine Basin
3. Victoria Basin
4. Lower Day Basin
5. Banana Basin
6. Hickory Basin
7. Etiwanda Cons. Basin
8. Jurupa Basin
9. RP-3 Basin
10. Wineville
11. Declez Basin
12. 8th Street Basin
13. Turner Basin
14. Ely Basins
15. College Heights Basin
16. Upland Basin
17. Montclair Basin
18. Brooks Basin
19. Grove Basin

Legend:
- Receiving Tower
- Recharge Basin
- Turnout
- High Speed Network
- Optimized Line-of-sight
Wineville Regional Recycled Water Pipeline and GW Recharge System Upgrades (IEUA)
Wineville Regional Recycled Water Pipeline and GW Recharge System Upgrades (IEUA)

- Description: The project is made up of 3 components including:
  - Wineville Extension Recycled Water Pipeline (WERWP)
  - Recycled Water Customer Retrofits
  - Groundwater Recharge SCADA Improvements
- Overall Percent Complete: 74%
- Estimated Completion: June 15, 2017
- Benefits: The estimated supply delivery for the WERWP is approximately 275 acre-feet per year (AFY) for direct usage and 1,000 AFY for groundwater recharge.
Corona/Home Gardens Multi-Jurisdictional Water Transmission Line (City of Corona)
Corona/Home Gardens Multi-Jurisdictional Water Transmission Line (City of Corona)
Corona/Home Gardens Multi-Jurisdictional Water Transmission Line (City of Corona)
Corona/Home Gardens Multi-Jurisdictional Water Transmission Line (City of Corona)

- Description: 14,000 LF 24-Inch Pipeline from Home Gardens County WD Well Site to DWP treatment facility 2 miles away.
- Overall Percent Complete: 38%
- Estimated Completion: May 31, 2018
- Benefits: Provide a long-term, sustainable solution for increasing the local groundwater’s supply reliability and water quality.

The rehabilitated wells will produce/deliver ≈1,600 AFY, which will serve ≈10,000 people.
Canyon Lake Hybrid Treatment Process (LESJWA)
Canyon Lake Hybrid Treatment Process (LESJWA)
Canyon Lake Hybrid Treatment Process (LESJWA)
Canyon Lake Hybrid Treatment Process (LESJWA)

- Description: Complete five alum applications to Canyon Lake
- Overall Percent Complete: 90%
- Estimated Completion: December 31, 2018
- Benefits: Improve water quality by reducing the growth potential for algae and the occurrence frequency of low dissolved oxygen and ammonia toxicity conditions.
Customer Handbook to Using Water Efficiently (WMWD)
Customer Handbook to Using Water Efficiently (WMWD)
What makes these little guys happy?
A good home and tasty food!

**HEALTHY SOIL CONTAINS**

- 25% Air
- 25% Water
- 50% Pure Soil
- 5% Organic

**HOME**

- SOIL PARTICLES
  - Minerals, the "dirt"

- WATER
  - All life needs water

- AIR
  - Yes, soil needs air. When soil does not get the air it needs, it hardens to stone and turns black and geyery. This is what can happen with extreme overwatering. This condition is called "anaerobic" meaning "no oxygen."

**FOOD**

**ORGANIC MATTER**

This consists of root exudates, by-products of decaying plant material, microorganisms, waste products, humus, etc. Soil critters like a high-carb diet! Even though a typical healthy soil contains only 5% organic matter by weight, it provides a base for the life in a soil. It acts as a sponge to store water, it retains and provides nutrients, and it glues and binds soil particles into stable aggregates.
Customer Handbook to Using Water Efficiently (WMWD)

• Description: Create and publish a handbook designed to provide practical information to the owners/managers of landscapes to:
  1. Understand the water requirements of their landscapes,
  2. Follow State guidelines for water use efficiency, and
  3. Change landscapes to fit the local climates while maintaining property values, wildlife habitat and environmental quality with less water.

• Overall Percent Complete : 45%

• Estimated Completion: October 31, 2017

• Benefits: Educate owners/managers on water efficient landscapes, and to reduce overall watershed water use by 7,240 AFY.
CII Performance Based WUE Program
(MWDOC)
CII Performance Based WUE Program (MWDOC)
CII Performance Based WUE Program (MWDOC)

• Description: Develop and provide lead agency services for a holistic Commercial, Industrial, Institutional (CII) Performance-Based Water Use Efficiency Program.

• Overall Percent Complete : 33%

• Estimated Completion: January 31, 2018

• Benefits: The Program’s water savings goal of ≈450 AFY will be achieved by targeting individual site goals:

  ≈75 AFY for CII comprehensive process improv.,
  ≈170 AFY for CII rebate incentive improvements, and
  ≈205 AFY for comprehensive LL projects.
End