Technical Writer/Grant Writer Support Services

Presented by Mark Norton P.E.,
Water Resources & Planning Manager

SAWPA Commission
October 17, 2017
SAWPA Strategic Assessment Processes, Activities and Tasks – Nov. 15 & Dec. 6th, 2016 SAWPA Commission Mtgs

- **OWOW Evaluation**
  - 1576-4150 hrs tasks shortfall thru FY 2020
  - Reflects need of at least one additional FTE to achieve “A level”

- **Roundtables Evaluation**
  - 395-535 hrs tasks shortfall thru FY 2021
  - Reflects need of additional staff labor hours to achieve “A level”

- **Technical Writer/Grant Writer position** discussed in the past to support new grants and benefit communication for both Roundtables and OWOW
Technical Writing Support
Grant Writing Support – Pursues all types of grants

Foundations — Corporations

State — Federal
Grant Writing Opportunities

- Pacific Institute - $100,000
- Bechtel Foundation - $500,000
- Walmart Foundation - $100,000
- Sierra Fund - $80,000
- Non-OWOW State Grants $1,000,000
- Federal grants – USFS,USFWS $500,000
- Other philanthropic orgs $500,000

Potential Additional Funding $3 million
Why support Technical/Grant Writer Support RFQ?

- Support focuses primarily in technical writing and outreach support, then secondarily on grant applications.
- Included in the FY 17-19 SAWPA Budget for staff that the SAWPA Commission agreed could be used for consulting services
- Fulfills SAWPA Strategic Assessment need to address OWOW and Roundtable goals and objectives
- Improves ability to communicate Roundtable successes to leverage other dollars
- Improves sharing of beneficial outcome of Roundtable projects
Consulting Support vs In-House Support

- New SAWPA General Manager given the option to consider consulting or in house support and come back to Commission with recommendation.

- General Manager recommendation:
  - Issue RFQ for Technical Writing and Grant Writing Support Services
  - Consulting services will be used for FY 17-18 and in-house staff option will reconsidered again at the end of this fiscal year based on performance.
Recommendation

Authorize staff to:

- Issue a Request for Qualifications (RFQ) for a qualified consulting firm/individual to provide the following services to SAWPA on an as-needed basis:
  - a. Technical Writer Services
  - b. Grant Writer Services

- Negotiate consultant support services as needed to support Planning Department staff needs using funds that were included in the FY 17-19 budget for this purpose.

- Bring proposed consultant agreements back to the Commission for authorization and execution.
Backup Slides
<table>
<thead>
<tr>
<th>#</th>
<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>
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</thead>
<tbody>
<tr>
<td>3</td>
<td>Engage with stakeholders through general workshops and Pillar group meetings 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>
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<td>4</td>
<td>Support and train OWOW stakeholders in use of regional GIS functionality and OWOW project tracking tools.</td>
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<td>5</td>
<td>Prepare annual watershed health assessment tracking watershed's progress toward sustainability and resiliency.</td>
<td>80</td>
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<td>6</td>
<td>Update the OWOW Plan every 5 years or more frequently as needed to reflect current regional water resource needs, knowledge, data, or policy.</td>
<td>200</td>
<td>200</td>
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<td>7</td>
<td>Develop and implement data collection, storage and distribution to improve regional utilization of data and information generated in the watershed.</td>
<td>40</td>
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<td>8</td>
<td>Conduct post assessment of project impacts and benefits of past OWOW Plan and planning for next OWOW plan update.</td>
<td>40</td>
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<td>9</td>
<td>Convene Pillar chairs, arrange regular workshops and serve as liaison, facilitator, presider and coordinator during OWOW planning phase, OWOW funding and selection criteria and OWOW project implementation support.</td>
<td>145</td>
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<td>435</td>
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<td></td>
<td><strong>OWOW Administration</strong></td>
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<td>10</td>
<td>Prepare standard progress reporting on scope, schedule, &amp; deliverables.</td>
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<td>20</td>
<td>20</td>
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<td>11</td>
<td>Implement a regular process (bi-annually) for budgeting and confirming or adjusting priorities and resources.</td>
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<td>12</td>
<td>Train and retain all staff with capacity to conduct OWOW administrative functions including accounting, data management, communication, and maintenance functions.</td>
<td>60</td>
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<td>60</td>
<td>60</td>
<td>60</td>
<td>240</td>
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<td>13</td>
<td>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>
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<td>70</td>
<td>70</td>
<td>280</td>
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<td>14</td>
<td>Maintain and upgrade state-of-the-art communication and meeting facilities at SAWPA.</td>
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<td>15</td>
<td>Institute and administer OWOW Calls for Projects and Project Selection with criteria that reflects a systems approach, that encourages multi-benefit, multi-jurisdictional integrated regional projects and programs.</td>
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<td>16</td>
<td>Promote and implement communications strategy, plan and outreach to describe SAWPA’s success and capabilities under OWOW. Conduct outreach through SAWPA websites, social media and annual OWOW conferences.</td>
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<td>17</td>
<td>Evaluate Calls for Projects, Project Selection and Grant Application efforts and successes for future program improvement.</td>
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<td></td>
<td><strong>OWOW Grant Application and Implementation</strong></td>
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<td>18</td>
<td>Successfully apply for, receive available State grant funding under BWMA programs designated for the Santa Ana River Watershed.</td>
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<td>19</td>
<td>Identify, pursue, secure and administer additional funding for integrated water resources management planning, projects and programs.</td>
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<td>20</td>
<td>Implement or construct SAWPA programs and projects OWOW Plan assigned by SAWPA Commission.</td>
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<td>21</td>
<td>Implement or construct SAWPA programs and projects OWOW Plan assigned by SAWPA Commission.</td>
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<td></td>
<td><strong>OWOW SAWPA Grant Administration</strong></td>
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<td>22</td>
<td>Exercise SAWPA’s fiduciary responsibility in administering and overseeing the appropriate use of all grant funds awarded to SAWPA and to OWOW project proponents by the State.</td>
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Total Hours by Fiscal Year:

- **2016**: 12,041
- **2017**: 13,490
- **2018**: 12,580
- **2019**: 10,016
- **2020**: 12,549

**Difference between Estimated Annual Hours and Need:**

- **2016**: 1,500
- **2017**: 1,940
- **2018**: 1,016
- **2019**: 3,940
- **2020**: 9,340
### Roundtables Process, Activity, or Task

<table>
<thead>
<tr>
<th>Roundtables Administration</th>
<th>Estimated Annual Hours Needed for &quot;A&quot; Level</th>
<th>FYE 2017 Budget Hours</th>
<th>Difference between Need and Budgeted Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Implement a regular annual process for confirming or adjusting priorities and resources.</td>
<td>1070</td>
<td>(290)</td>
<td>-1070</td>
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<tr>
<td>2. Track the implementation of identified solutions resulting from each Roundtable.</td>
<td>30</td>
<td>(30)</td>
<td>-30</td>
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<tr>
<td>3. Prepare and implement standards, criteria, and approval procedures for accepting potential Roundtable activities.</td>
<td>20</td>
<td>(0)</td>
<td>20</td>
</tr>
<tr>
<td>4. Train and retain staff involved in supporting Roundtables including accounting, data management, administration, and maintenance functions.</td>
<td>120</td>
<td>120</td>
<td>-</td>
</tr>
<tr>
<td>5. Prepare Roundtable annual budgets showing cost breakdown of costs by agency, revenue needs and other Roundtable expenses.</td>
<td>240</td>
<td>240</td>
<td>0</td>
</tr>
<tr>
<td>6. Manage and/or upgrade SAIIA facilities and virtual meeting capabilities.</td>
<td>90</td>
<td>90</td>
<td>-</td>
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<tr>
<td>7. Maintain and/or upgrade SAIIA facilities and virtual meeting capabilities.</td>
<td>120</td>
<td>120</td>
<td>0</td>
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<tr>
<td>8. Select staff to provide project and program funding.</td>
<td>120</td>
<td>120</td>
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### Roundtables Communication & Outreach

<table>
<thead>
<tr>
<th>Roundtables Communication &amp; Outreach</th>
<th>Estimated Annual Hours Needed for &quot;A&quot; Level</th>
<th>FYE 2017 Budget Hours</th>
<th>Difference between Need and Budgeted Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Prepare standard progress reporting twice a year on scope, schedule, deliverables, and budget for each Roundtable and share with SAIIA Commission.</td>
<td>1150</td>
<td>1150</td>
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</tr>
<tr>
<td>2. Engage with Roundtables at key milestones to assess progress and results toward achievement of workshop objectives, share information collected and developed under Roundtable efforts.</td>
<td>1150</td>
<td>1150</td>
<td>0</td>
</tr>
<tr>
<td>3. Work directly with other agencies to ensure that necessary water resource data related to a specific Roundtable, screen, filter, and prepare data to ensure compatibility with Agency’s computer systems and maintain standard data protocols to improve regional utilization of data and information generated in the watershed.</td>
<td>1150</td>
<td>1150</td>
<td>0</td>
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<tr>
<td>4. Prepare newsletters, brochures, fact sheets and project and program descriptions for distribution and posting on website.</td>
<td>1150</td>
<td>1150</td>
<td>0</td>
</tr>
<tr>
<td>5. Perform a coordination and activity planning including presentations to the SAIIA Commission, Committees, other agencies, regulators and other interest groups in relation to each Roundtable, and represent the Agency in meetings with the public, citizen groups, NGOs, professional associations, private firms, and other agencies, make recommendations to executive staff and the Commission.</td>
<td>1150</td>
<td>1150</td>
<td>0</td>
</tr>
<tr>
<td>6. Conduct regular roundtable meetings including preparation of meeting agendas, meeting notes, meeting minutes, audiovisual setup, present minutes, and respond to comments. Steering committee discussions with Roundtable members, select all handouts, presentations, reports and other resource materials related to Roundtable operations and Roundtables webpages.</td>
<td>1150</td>
<td>1150</td>
<td>0</td>
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### Roundtables Facilitation

<table>
<thead>
<tr>
<th>Roundtables Facilitation</th>
<th>Estimated Annual Hours Needed for &quot;A&quot; Level</th>
<th>FYE 2017 Budget Hours</th>
<th>Difference between Need and Budgeted Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Attend Regional Round and State Round meetings as needed to provide oral status report of Roundtables studies prior to consultant presentations.</td>
<td>560</td>
<td>560</td>
<td>-</td>
</tr>
<tr>
<td>2. Serve as a facilitator and, in some cases, Chair, of the Roundtable meetings to ensure meaningful discussion and prepare for future meeting agendas.</td>
<td>560</td>
<td>560</td>
<td>0</td>
</tr>
<tr>
<td>3. Facilitate related Roundtable meetings, Technical Review Committee meetings, and Roundtable coordination meetings.</td>
<td>560</td>
<td>560</td>
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### Roundtables Implementation

<table>
<thead>
<tr>
<th>Roundtables Implementation</th>
<th>Estimated Annual Hours Needed for &quot;A&quot; Level</th>
<th>FYE 2017 Budget Hours</th>
<th>Difference between Need and Budgeted Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Conduct studies, research and analysis including data, mass charts, tables, diagrams, reports and fact sheets as requested by Roundtable members and SAIIA related to specific Roundtables activities.</td>
<td>320</td>
<td>320</td>
<td>0</td>
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<tr>
<td>2. Prepare scope of work, RFPs and RFPs for consultant services; evaluate and select the consultant based on criteria for assigned projects and programs; evaluate and critique work products of consultants including technical reports, recommendations, cost estimates, presentations and environmental documents; respond to correspondence as needed.</td>
<td>120</td>
<td>120</td>
<td>0</td>
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<tr>
<td>3. Prepare all Roundtables formation Agreements, Funding Agreements, Consultant Agreements, Task Orders and amendments.</td>
<td>120</td>
<td>120</td>
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Total Hours by Goal Year: 3,160
Approval of Basin Monitoring Program
Task FORCE Consultant

Presented by Mark Norton P.E.,
Water Resources & Planning Manager

SAWPA Commission
October 17, 2017
Basin Monitoring Program Task Force
SAWPA authorized agreement in 2004

**Benefits**

- Regional task force support in reducing regulatory compliance for 20 agencies by $10-$99 million in avoided WWTP desalting
- Regional Board views Task Force as a clearinghouse for all TDS and nitrate related issues in watershed which resolve conflicts and allow for efficiencies

**Description**

- Conducts analysis of TDS and nitrate in watershed groundwater every three years to identify trends
- Annual Santa Ana River (SAR) water quality report
- SAR Wasteload Allocation to confirm compliance of river discharges with ground water quality objectives
### Basin Monitoring Program Task Force

<table>
<thead>
<tr>
<th>Eastern Municipal Water District</th>
<th>Chino Basin Watermaster</th>
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<tbody>
<tr>
<td>Inland Empire Utilities Agency</td>
<td>Yucaipa Valley Water District</td>
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<tr>
<td>Orange County Water District</td>
<td>City of Beaumont</td>
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<td>City of Riverside</td>
<td>City of Corona</td>
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<tr>
<td>Lee Lake Water District</td>
<td>City of Redlands</td>
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<td>Elsinore Valley Municipal Water District</td>
<td>City of Rialto</td>
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<tr>
<td>Irvine Ranch Water District</td>
<td>Jurupa Community Services District</td>
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<tr>
<td>Colton/San Bernardino Regional Tertiary Treatment and Wastewater Reclamation</td>
<td>Western Riverside Co Regional Wastewater Authority</td>
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<tr>
<td>*San Bernardino Valley Municipal Water District</td>
<td>*City of Banning</td>
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<tr>
<td>* San Gorgonio Pass Water Agency</td>
<td>* Beaumont Cherry Valley Water District</td>
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- Four new agencies added in 2015
- Santa Ana Regional Board also a non-funding task force agency
Critical Success Factors

• SAWPA has a strong reputation as a watershed-wide, knowledgeable, neutral and trusted facilitator, leader, and administrator of contracted activities.
• Goals, scope, costs, resources, timelines, and the contract term are approved by the Commission before executing an agreement to participate in a roundtable group.
• Report and use results of roundtable’s work, leverage information and involvement for the benefit of SAWPA, its members, and other stakeholders.
Recent and Future Deliverables

• Conducting triennial ambient groundwater quality update in 2016-17 – submitted to Reg Bd in Sept 2017
• Implementing Basin Plan Amendment for Chino South Nitrate Objective – approved in August 2017
• Existing permits will be extended and meet 2008 SAR Wasteload Allocation
• Drought Policy development technical work with So Cal Salinity Coalition – to be completed Nov. 2017
• Next SAR Wasteload Allocation with OC model to be completed Jan 2018
Basin Monitoring Program Task Force – Regulatory Support

- Basin Monitoring Program (BMP) Task Force Committee conducted an evaluation of Risk Sciences undertaking due diligence on consulting support
- Consultant Review Committee and BMP Task Force unanimously agreed to continue support of Risk Sciences. Key findings:
  - Risk Sciences support is unique and specialized
  - Risk Sciences support cannot be competitively obtained
  - Risk Sciences has unique and positive relationship with Regional Board and BMP Task Force
  - Risk Sciences has maintained rates for past 3 years and has not charged any change order for over five years
  - Issuing RFP would cause undue delay and expense to BMP Task force
- Unanimous recommendation of BMP Task Force to SAWPA Commission to support task order with Risk Sciences.
Recommendation

That the Commission approve:

Approve a Task Order with Risk Sciences for the amount not to exceed $73,150 for regulatory support activities for the Basin Monitoring Program Task Force.
OWOW Plan Update 2018
Goals & Objectives, Draft v5

Mike Antos, Ph.D.
Senior Watershed Manager

SAWPA Commission Meeting
October 17, 2017
Active Participation of a diverse group of stakeholders
Successful implementation of an integrated regional water resource plan
OWOW Plan Update 2018

- OWOW 2.0 Plan (2014)
  - Compliant with 2012 IRWM Plan Standards
- NEW 2016 IRWM Plan Standards
  - Three large and several small policy changes
- Compliance with 2016 Standards required to be eligible for Proposition 1 Implementation Funding
Goals & Objectives Purpose

- By implementing the OWOW Plan, what will we achieve?
- Where are we going together?
  - Goals are our destination, objectives are the sign posts
  - Plan shows where we are
  - Plan recommends how to go from where we are, to where we are going.
The six goals of the OWOW Plan Update 2018 are to...

- Achieve resilient water resources through innovation and optimization.
- Educate and build trust between people and organizations.
- Engage with members of disadvantaged communities to diminish environmental injustices.
- Ensure high quality water for all people and the environment.
- Improve data integration, tracking and reporting to strengthen decision-making.
- Preserve and enhance recreational landscapes, open space, habitat, and natural hydrologic function.
Steering Committee Input

- From the July workshop:
  - Goals were consolidated
  - Effective collaboration, watershed management elevated to visionary statement
  - Goal statements made active, and parallel construction
  - Goals were not prioritized to reflect portfolio approach

- From the September meeting:
  - More changes requested
    - Recreation and Economic Development added
    - Softening of environmental justice objective
  - More...
Next for the Goals & Objectives

- November OWOW Steering Committee Meeting
  - A Workshop, including SC and Pillars
  - Will edit goals & objectives to consensus
- Version 6 will support:
  - OWOW Plan Update 2018
  - Proposition 1 Call for Implementation Projects
Staff recommends:

- That the Commission invite input about the draft OWOW Plan Update 2018 goals and objectives and then receive and file this staff report.
How the OWOW work is going

- Ten Pillar workgroups
  - Meeting individually to revise / write chapters of the plan

- Pillar Integration Meetings
  - Pillars and stakeholders gather to synchronize, consider shared challenges.

- Pillar-to-Pillar meetings
OWOW Schedule

DWR Implementation Grant Request Due Date – Summer 2018

SAWPA Commission Meetings

- Feb 21st
- Apr 18th
- Jun 20th
- Aug 15th
- Oct 17th
- Dec 19th
- Feb 20th
- Apr 17th
- Jun 19th
- Aug 21st
- Oct 16th

Plan Update Begin

DCI & Planning Grant Contracts Executed

Goals & Objectives Reviewed

Pillar Workgroups Chapter Updates

Collaborative Project Development

Draft Pillar Chapters Due

Final Pillar & General Chapters Due

Final Grant Guidelines Released

Grant Guidelines Released for Comments

Grant Data Requested

Disadvantaged Communities Involvement Program

- Jan 26th
- May 25th
- July 27th
- Sept 28th
- Nov 16th
- Jan 25th
- Mar 22nd
- May 24th
- Jul 26th
- Sept 27th

Steering Committee Meetings

2017

2018
Project Development Collaboration Meetings

- Through OWOW Pillar Integration Workshops, staff encouraged stakeholders to be aware of and prepare for Prop 1 IRWM grants for their projects.

- OWOW Pillar Chairs & Delegates
  - Consider project and program concepts for Prop 1 Round 1 Grants.

- At suggestion of Water Resource Optimization Pillar, SAWPA staff should lead and hire consultant(s) to support project development.
OWOW Existing Approach – Project Development

OWOW Project Goals:

- Fair, open and transparent competitive process for all stakeholders to apply
- Select projects based on pre-defined project selection criteria in part based on DWR criteria
- Select projects based on an online Call for Projects form
SAWPA Existing Role in OWOW Project Development

- SAWPA facilitates stakeholder effort without showing preference for individual projects
- Staff support project development only with information, without showing preference
  - An exception:
    - From Prop 84 Round 1, SAWPA did submit a project for Brine Line improvements
SAWPA Existing Role in OWOW Project Development (cont.)

Round 3 (Emergency Drought Round)
- SAWPA agencies hired own consultant to develop program.
- No call for projects.

Round 4 (2015 Round)
- SAWPA agencies hired own consultant to facilitate and develop SARCCUP.
- SARCCUP competed with others but best met project selection criteria
Proposal: SAWPA hires consultant(s) to develop OWOW projects

Consultant(s):

- Work with engaged agencies
- Identify projects appropriate for Prop 1 funding opportunity that advance OWOW Goals & Objectives
- Assist development of project or projects (feasibility analysis) as needed to use the available funding
Concerns with SAWPA hiring consultants to develop OWOW projects

- Departure from SAWPA being relied upon to support a *fair, open and competitive* process under IRWM and OWOW
- Under Prop 50, distributing IRWM funds among SAWPA member agencies was roundly criticized by other agencies
- Prop 1 draft proposal selection criteria was shared about a year ago with stakeholders suggesting competitive process
- SAWPA OWOW budget did not contemplate significant resources to support project development by staff or consultant
Benefits of SAWPA hiring consultants to develop OWOW projects

- Ensures readiness of 1-3 top projects and proponents that best meet OWOW plan goals and objectives
- SAWPA return to pre-OWOW role of leading and facilitating projects rather than facilitating IRWM processes
- Helps assure that watershed has some top quality projects ready to apply for grant in 2018
Recommendation

- Provide direction to staff about requested facilitation support for the development of possible OWOW projects for the DWR Prop 1 Integrated Regional Water Management Program Round 1 grant program and receive and file report on the OWOW Plan Update 2018.
Questions?
Inland Empire Brine Line
Reach V Rehabilitation and
Improvement Project – Phase 1

October 17, 2017
Questions?
Segment Summary

- CIPP Line 10,722 ft
- Remove and Replace 1,366 ft
- No Lining 416 ft
# Ovally Results / Segment Summary

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<thead>
<tr>
<th>Segment #</th>
<th>Length</th>
<th>Ovality Range</th>
<th>Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>500 ft</td>
<td>2.5% - 9.5%</td>
<td>CIPP Complete</td>
</tr>
<tr>
<td>2.</td>
<td>450 ft</td>
<td>2.3% - 9.4%</td>
<td>CIPP Complete</td>
</tr>
<tr>
<td>3.</td>
<td>550 ft</td>
<td>1.3% - 11.5%</td>
<td>CIPP Complete</td>
</tr>
<tr>
<td>4.</td>
<td>350 ft</td>
<td>1.5% - 8.0%</td>
<td>CIPP Complete</td>
</tr>
<tr>
<td>5.</td>
<td>350 ft</td>
<td>1.4% - 3.9%</td>
<td>No Lining</td>
</tr>
<tr>
<td>6.</td>
<td>400 ft</td>
<td>1.3% - 9.0%</td>
<td>CIPP Complete</td>
</tr>
<tr>
<td>7.</td>
<td>350 ft</td>
<td>1.0% - 7.5%</td>
<td>CIPP Complete</td>
</tr>
<tr>
<td>8.</td>
<td>410 ft</td>
<td>1.5% - 10.4%</td>
<td>CIPP Complete</td>
</tr>
<tr>
<td>9.</td>
<td>410 ft</td>
<td>1.6% - 10.0%</td>
<td>CIPP Complete</td>
</tr>
<tr>
<td>9B.</td>
<td>70 ft</td>
<td>6.0% - 16.5%</td>
<td>Remove and Replace Complete</td>
</tr>
<tr>
<td>10.</td>
<td>220 ft</td>
<td>1.6% - 7.7%</td>
<td>CIPP Complete</td>
</tr>
<tr>
<td>11.</td>
<td>270 ft</td>
<td>0.7% - 9.0%</td>
<td>CIPP Complete</td>
</tr>
<tr>
<td>11B.</td>
<td>440 ft</td>
<td>0.7% - 9.0%</td>
<td>CIPP Complete</td>
</tr>
<tr>
<td>12.</td>
<td>240 ft</td>
<td>1.5% - 12.0%</td>
<td>CIPP Complete</td>
</tr>
<tr>
<td>13.</td>
<td>460 ft</td>
<td>4.0% - 18.0%</td>
<td>CIPP (Increase wall thickness at 18% Ovality, 9ft) Complete</td>
</tr>
<tr>
<td>14.</td>
<td>405 ft</td>
<td>3.6% - 13.5%</td>
<td>CIPP Complete</td>
</tr>
<tr>
<td>15.</td>
<td>395 ft</td>
<td>3.3% - 16.1%</td>
<td>Remove and Replace Complete</td>
</tr>
</tbody>
</table>
# Ovality Results / Segment Summary

<table>
<thead>
<tr>
<th>Segment #</th>
<th>Length</th>
<th>Ovality Range</th>
<th>Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>16.</td>
<td>400 ft</td>
<td>2.9% - 11.2%</td>
<td>CIPP Complete</td>
</tr>
<tr>
<td>17.</td>
<td>350 ft</td>
<td>3.2% - 12.4%</td>
<td>CIPP Complete</td>
</tr>
<tr>
<td>18.</td>
<td>350 ft</td>
<td>1.4% - 12.0%</td>
<td>CIPP Complete</td>
</tr>
<tr>
<td>19.</td>
<td>510 ft</td>
<td>1.0% - 8.0%</td>
<td>CIPP Complete</td>
</tr>
<tr>
<td>20.</td>
<td>270 ft</td>
<td>2.2% - 8.0%</td>
<td>CIPP Complete</td>
</tr>
<tr>
<td>21.</td>
<td>470 ft</td>
<td>0.6% - 7.0%</td>
<td>CIPP Complete</td>
</tr>
<tr>
<td>22.</td>
<td>225 ft</td>
<td>1.2% - 7.8%</td>
<td>CIPP Complete</td>
</tr>
<tr>
<td>23.</td>
<td>354 ft</td>
<td>0.6% - 7.0%</td>
<td>CIPP Complete</td>
</tr>
<tr>
<td>24.</td>
<td>446 ft</td>
<td>1.4% - 10.6%</td>
<td>CIPP Line on 10/4</td>
</tr>
<tr>
<td>25.</td>
<td>654 ft</td>
<td>1.1% - 8.5%</td>
<td>CIPP Line on 10/2</td>
</tr>
<tr>
<td>26.</td>
<td>400 ft</td>
<td>0.4% - 10.2%</td>
<td>CIPP Complete</td>
</tr>
<tr>
<td>27.</td>
<td>350 ft</td>
<td>0.4% - 10.2%</td>
<td>CIPP Complete</td>
</tr>
<tr>
<td>28.</td>
<td>660 ft</td>
<td>0.5% - 8.5%</td>
<td>CIPP Complete</td>
</tr>
<tr>
<td>29.</td>
<td>69 ft</td>
<td>1.2% - 8.2%</td>
<td>Remove and Replace Complete</td>
</tr>
<tr>
<td>29B.</td>
<td>75 ft</td>
<td>0.0% - &lt;5%</td>
<td>No Lining</td>
</tr>
<tr>
<td>30.</td>
<td>650 ft</td>
<td>2.7% - 10.4%</td>
<td>Remove and Replace Complete</td>
</tr>
<tr>
<td>31.</td>
<td>232 ft</td>
<td>0.9% - 7.9%</td>
<td>Remove and Replace Complete</td>
</tr>
</tbody>
</table>