Arundo Donax Maintenance and Removal Project Final Report
Recommendation

- That the Commission receive and files this final report on the Arundo Donax Maintenance and Removal Project.
Arundo Donax

- Invasive Plant (High Rating)
- Noxious Weed
- Uses 528 gal per meter annually
- Highly combustible
- Survives fire and thrives
- Causes flooding by altering flow regimes
- No known habitat benefit
River Road Bridge Damage

- El Nino 1998
- $260K repair
- $8M replacement bridge
SAWPA Removal Project

- Task Order w/SAWA – June 2012
- Project Completed – December 2015
- 61 acres treated containing Arundo
- 2,180 acres assessed
- 1,233 AFY estimated water savings
- Removal by cut stump and foliar spray
Project Locations
SAWPA Removal Project
SAWPA Removal Project
Current Projects Connected to Proposition 13

- State Board Grant
- $22M Arundo implementation budget
- Mostly mechanical removal
- Purchased Units in Mitigation Bank
Funding Source for Project

- Santa Ana River Mitigation Bank
  - Operated by Riverside County Parks
  - Created in 1996 (Pre-Prop 13) with Corps
  - SAWPA purchased 100 “units” in 2002
  - Units were certified as “credits” by Corps
SAWPA Purchases Units
Credit Purchases Fund SAWPA Arundo Removal Projects

Regional Park and Riverside County Open-Space District

Consultant
Credit Purchases Fund SAWPA Projects Over Time

Past Projects Funded:
- Sunnyslope Creek
- Mission Bridge
- Santiago Canyon
- Mockingbird Canyon
- Santa Ana River Mainstem
- Mystic Lake
- Norco Burn
- Temescal Canyon
Next Steps
Recommendation

- That the Commission receives and files this final report on the Arundo Donax Maintenance and Removal Project.
Prop 1 Integrated Regional Water Management
2016 Grant Program

SAWPA Commission
April 19, 2016
Recommendation

- It is recommended that the SAWPA Commission receive and file this briefing about two Proposition 1 Integrated Regional Water Management Grant Programs:

1. 2016 Planning Program;
2. 2016 Disadvantaged Community Involvement Program.
Timeline

- SAWPA accepted in IRWM Regional Acceptance Process in Sept 2009
- Adopted OWOW 2.0 Plan in Feb 2014
- Prop 1 passed in Nov 2014
- Draft DWR IRWM Guidelines released in Jan 2016
- IRWM Applications due in June 2016
IRWM Grant Program: $510m Total

- DAC Involvement: $51,000,000
- DAC Implementation: $35,700,000
- DWR Admin: $372,300,000
- Implementation & Planning: $51,000,000
IRWM Grant Program: $474.3m Available
Draft DWR funding rollout

<table>
<thead>
<tr>
<th>Fiscal Year</th>
<th>IRWM Program</th>
<th>Funding</th>
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<tbody>
<tr>
<td>FY 15-16</td>
<td>Planning</td>
<td>$5M</td>
</tr>
<tr>
<td>FY 15-16</td>
<td>DAC Involvement</td>
<td>$51M</td>
</tr>
<tr>
<td>FY 16-17</td>
<td>DAC Projects</td>
<td>$51M</td>
</tr>
<tr>
<td>FY 17-18</td>
<td>Implementation</td>
<td>$183.65M</td>
</tr>
<tr>
<td>FY 19-20</td>
<td>Implementation</td>
<td>$183.65M</td>
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IRWM Grant Program: Planning Grant $5m

DAC Involvement

DAC Implementation

DWR Admin

Implementation & Planning

$372,300,000

$51,000,000

$35,700,000

$5M Available Across California
Planning Grant

- New legislation and new Plan requirements:
  - Senate Bill 985
  - Assembly Bill 1249
- Applications for accepted regions limited to $50K- $250K
- $5M available statewide
- 50% local match requirement
  - Cost share of $25K to $125K
Updates to OWOW 2.0 Planned for Next Year

- Senate Bill 985: Stormwater resource plans
- Assembly Bill 1249: Nitrate, arsenic, perchlorate, etc.
- Update salt balance for watershed
Next Steps

- Develop Scope of Work For Updating OWOW 2.0 Plan
  - April – May 2016
- OWOW Steering Committee Application Authorization
  - May 26, 2016
- SAWPA Commission Application Authorization
  - June 7, 2016
- Submit Application to DWR
  - June X, 2016
Disadvantaged Community Involvement Program

- Bond calls for:
  - “ensuring involvement of disadvantaged communities (DACs), economically distressed areas (EDAs), or underrepresented communities”

- DWR program objectives:
  - Work collaboratively to involve DACs, community-based organizations, and stakeholders in IRWM Planning efforts to ensure balanced access and opportunity for participation in the IRWM planning process
  - Increase the understanding, and where necessary, identify the water management needs of DACs on a Funding Area basis
  - Develop strategies and long-term solutions that appropriately address the identified DAC water management needs
IRWM Grant Program: DACI Grant $6.3m

DAC Involvement
DAC Implementation
DWR Admin
Implementation & Planning

$372,300,000
$51,000,000
$51,000,000
$35,700,000

$6.3M for Santa Ana IRWM Region
## Allowable General Activities

<table>
<thead>
<tr>
<th>General Activity</th>
<th>Examples of Activity</th>
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<tr>
<td>Technical assistance</td>
<td>Service provider trainings, local circuit rider programs to train water and wastewater staff</td>
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<tr>
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<td>DAC regional engagement coordinator role, DAC Advisory Committee to RWMG, DAC representatives in governance</td>
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<td>Evaluation of existing governance structures and related plan financing efforts, assessments of the level of DAC involvement in decision making processes</td>
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<td>Development of Funding Area-wide DAC plan to be utilized as a unified approach for all IRWM plans</td>
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Initial Scoping for OWOW Proposal

- OWOW Disadvantaged Community and Tribal Pillar convened to serve as advisory body to the program

- Three Program Efforts
  1. Needs assessment (required)
  2. Watershed engagement capacity building
  3. Multi-benefit project development
Initial Scoping for OWOW Proposal

1. Needs Assessment
   - Spatial & Demographic data collection & analysis
   - Engagement to identify community capacities
   - Survey to identify agency engagement capacities and best practices
   - Collection of identified needs per agency partners
   - Collection of identified needs per community members
   - Specific focus on Mutual Water Companies to assess long-term resilience
Initial Scoping for OWOW Proposal

2. Watershed Capacity Building
   - Education about value of tap vs. bottled water
   - Networking for water professionals and identified community leaders
   - Translation services for key existing resources
   - Update OWOW Chapter
   - Engage new partners with Pillar scope of work
   - Provide training for agency staff and community members to build familiarity and trust
Initial Scoping for OWOW Proposal

3. Project Development
   • Identify key projects and develop for implementation funding round
     • Also consider non-DWR funding (*i.e.*, State Board Technical Assistance funding)
   • Scope and evaluate benefit of an ongoing OWOW Community Engagement Program
   • Investigate usefulness of Enhanced Infrastructure Financing Districts (EIFD) in pursuit of water related improvements
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Next Steps

- Develop Scope of Work For Program
  - April – May 2016
- OWOW Steering Committee Application Authorization
  - May 26, 2016
- SAWPA Commission Application Authorization
  - June 7, 2016
- Submit Application to DWR
  - June X, 2016
Recommendation

- It is recommended that the SAWPA Commission receive and file this briefing about two Proposition 1 Integrated Regional Water Management Grant Programs:
  1. 2016 Planning Program;
  2. 2016 Disadvantaged Community Involvement Program.
Questions?
Request for Proposals for SARCCUP Project Management Services

SAWPA Commission
April 19, 2016

Santa Ana River Conservation & Conjunctive Use Program
Recommendation

- It is recommended that the SAWPA Commission authorize the issuance of a Request for Proposals (RFP) for project management services to support the Santa Ana River Conservation and Conjunctive Use Program (SARCCUP)
SARCCUP Components

- Habitat Improvement: Arundo Removal & Santa Ana Sucker fish habitat restoration – OCWD & SBVMWD
- Water Use Efficiency: Conservation-Based Rates Support, Water-use Efficient Landscaping Design – SAWPA PA 22 Committee
- Groundwater Banking: “Put and Take” Conjunctive Use Facilities – SBVMWD, WMWD, IEUA, EMWD
SARCCUP Project Management Services

Key consultant tasks:

- Oversee and coordinate multiple SARCCUP components implementation as one project
- Works with all SARCCUP parties, new SAWPA PA 23 Committee and SAWPA to meet project goals, objectives, budget, schedule and other deliverables
- Ensure that all deliverables are provided to SAWPA, who serves as the grant administrator and liaison with DWR
Oversight of SARCCUP Project Management Services

- SAWPA staff will issue RFP with SARCCUP member agency staff and SAWPA staff as review and selection panel
- SAWPA staff through new SAWPA PA 23 Committee will provide oversight of SARCCUP Project Mgt Services consultant
- Funding for SAWPA staff will come from SARCCUP administration budget, not SAWPA grant administration
- No duplication in roles and responsibilities
Total Cost, $100 million

This project administration is separate from SAWPA grant administration and costs are borne by SARCCUP parties.
Total SARCCUP Project Cost = $100 million

Cost Sharing

- Proposition 84 Grant: $55M
- Local Match: $45M

- WMWD
- SBVMWD
- OCWD
- IEUA
- EMWD
- Master Plan
- Arundo
- Habitat
- Administration
- Water Bank
- WUE
Next Steps

- SAWPA will issue RFP upon finalization and acceptance of SARCCUP member agencies, April 2016
- SAWPA PA 23 Committee formation considered by SAWPA Commission - May 2016
- SARCCUP and SAWPA selection panel recommends consultant and SAWPA Commission considers contract with SARCCUP project management consultant – June 2016
- DWR/SAWPA Agreement for Prop 84 2015 IRWM grant for three project including SARCCUP
Recommendation

- It is recommended that the SAWPA Commission authorize the issuance of a Request for Proposals (RFP) for project management services to support the Santa Ana River Conservation and Conjunctive Use Program (SARCCUP)
Questions?
Inland Empire Brine Line Rate

FY 2016-17 (Proposed)
Effective July 1, 2016
FY 2017-18 (For Planning Purposes Only)
Brine Line Rate

- Proposed FY17 rates based on Financial Model
  - Fixed versus Variable cost allocations.

<table>
<thead>
<tr>
<th></th>
<th>Fixed vs Variable Cost Allocation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flow</td>
<td>40%</td>
</tr>
<tr>
<td>Fixed Pipeline</td>
<td>30%</td>
</tr>
<tr>
<td>Fixed Treatment</td>
<td>30%</td>
</tr>
</tbody>
</table>

- Updated SAWPA CIP
  - Repayment of SRF loan for re-lining of Reaches IV-A and IV-B ($15.85M)
  - Reach V Repair, Nichols Road Relocation $16M ($7.5M SRF loan)
  - Reach IV-D Corrosion Repair (2017) $2.5M

- OCSD Rock Removal Project $1.5M
Brine Line Rate

- **Rate**
  - Pass-through BOD and TSS costs from OCSD (+2%)

- **Flow:**
  - OCSD Treatment (+2%)
  - OCSD O&M of SARI in Orange County (SAWPA share)
  - Variable O&M (example: line cleaning)
  - Contribution to Flow Imbalance Fund
  - Contribution to Capital Program

- **Fixed Pipeline and Treatment:**
  - Fixed O&M (example: Dig Alert markings)
  - Contributions to Flow Imbalance, Self Insurance Funds
  - Contribution to Capital Improvement, Pipeline Replacement
  - Debt Retirement, Self Insurance, OCSD Capital Program (SAWPA share)
<table>
<thead>
<tr>
<th></th>
<th>Fixed Pipe</th>
<th>Fixed Treatment</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Current</strong></td>
<td>$5,370</td>
<td>$10,888</td>
</tr>
<tr>
<td><strong>FY 16-17</strong></td>
<td>$5,639</td>
<td>$11,433</td>
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<tr>
<td><strong>FY 17-18</strong></td>
<td>$5,921</td>
<td>$12,007</td>
</tr>
</tbody>
</table>

(Planning)

**Notes:**
1. Fixed Pipe Million Gallons (MG) per Month based on pipeline capacity owned.
2. Fixed Treatment Million Gallons Per Month based on treatment capacity owned.
## Rates

<table>
<thead>
<tr>
<th></th>
<th>Flow</th>
<th>BOD</th>
<th>TSS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Current</td>
<td>$817</td>
<td>$301</td>
<td>$420</td>
</tr>
<tr>
<td>FY 16-17</td>
<td>$858</td>
<td>$307</td>
<td>$429</td>
</tr>
<tr>
<td>FY 17-18 (planning)</td>
<td>$901</td>
<td>$322</td>
<td>$450</td>
</tr>
</tbody>
</table>

**Notes:**
1. Flow in Million Gallons (MG), BOD and TSS per 1,000 pounds (lbs)
2. BOD, TSS rates are “pass-through” from OCSD
## Rates

<table>
<thead>
<tr>
<th>Waste Strength</th>
<th>BOD or TSS Concentration</th>
<th>FY 16-17</th>
<th>FY 17-18 (a)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Brine</td>
<td>Less than 100 mg/l</td>
<td>$0.011</td>
<td>$0.012</td>
</tr>
<tr>
<td>Non-Brine Tier 1</td>
<td>100 to 999 mg/l</td>
<td>$0.016</td>
<td>$0.017</td>
</tr>
<tr>
<td>Non-Brine Tier 2</td>
<td>1,000 to 2,499 mg/l</td>
<td>$0.033</td>
<td>$0.035</td>
</tr>
<tr>
<td>Non-Brine Tier 3</td>
<td>2,500 and higher</td>
<td></td>
<td>(b)</td>
</tr>
</tbody>
</table>

(a) Future rate for planning purposes only. The Commission will separately evaluate and set the rates annually for each FY.

(b) Concentrations over 2,500 mg/l will be charged based on the actual concentration of the waste discharged using the following costs components:

$0.0027/gallon, $0.695/pound of BOD, and $0.662/pound of TSS.
Permit Fees

No Change

- Direct Discharger $550/year
- Indirect Discharger $250/year
- Liquid Waste Hauler $225/year

New

- Emergency $1,000/year (formerly direct discharger $550/yr)
  - Most emergency connections have no discharge
  - Permit preparation and administration, inspection, sampling, reporting still required
Recommendation

- Commission adopt Resolution No. 2016-01, establishing new Inland Empire Brine Line rates effective July 1, 2016
END
Expenses

- SAWPA Labor – 3 field staff, 2 pretreatment program, 2 project manager, 1 manager

- Requirements defined in Sanitary Sewer Management Plan
  - Reliable system operations
  - Minimize Sanitary Sewer Overflows

- Contracted Services – specialty equipment, unique capability
  - Line cleaning, corrosion coating system, CCTV, clean sediment traps
SAWPA Staff

Field:

- Operations – meter readings, valve operations, monitoring flow level, sediment traps, potholing for line location, marking, contractor coordination, observation of work in close proximity, MAS inspections

- Maintenance - air release/vacuum relief valve maintenance including confined space entry, traffic control for work zone, observation of contracted services, right of way

- Emergency/on-call response – SSOs, traffic accident, earthquake
Pretreatment Permit Activities

- Prepare and issue permit
- Site inspection (1x to 4x per year)
- Sampling
- Enforcement
- Reporting (monthly, quarterly, semi-annual, annual)
- Auditing – internal, OCSD, EPA
- Training
- Special – update Pretreatment Program Control Documents
- Coordination of team from 6 agencies
  - Standardization and efficiency
Indirect Discharger

Level of effort in rate:

Permit: issue new every two years (avg of 8 hrs), permit administration (12 hrs, assumes 1 minor enforcement action)

Reporting: one hr each report (12 hrs)

Billing: one-half hr per month (6 hrs)

Inspection, Sampling, data entry: by agency
Capital Improvement Program

- OCSD – rock removal

- Capital Repairs – corrosion protection system, MAS repairs, adjust grade of lid, erosion protection, sinkhole repair

- Projects
  - Reach V Repair
  - Reach V Relocation at Nichols Rd
  - Reach IV-D Corrosion Repair
Innovation, Efficiency

- Self prepared computerized maintenance management system
- Automated Dig Alert utility location database and record keeping system
- Automated control of a/v valves to reduce SSOs
- Potholing
- Spill response