Salt Management Strategies to Revitalize THE SALTON SEA
What is the SSA? Who are the members?

When was it created, and by whom?

Why was it created and what is its mission?
CHALLENGES & OPPORTUNITIES

- Human Health impacted by Air Quality
- Habitat loss impacting Pacific Flyway
- Opportunities: Renewable Energy, Recreation
Habitat value of Salton Sea: Migratory Birds

**Birds Banded at the Salton Sea**

Number of birds encountered or recovered. Encountered birds are those that are recaptured while recovered birds are those found dead.

- Greater than 600 birds
- Less than 100 birds
- 100 to 300 birds
- 300 to 600 birds

Courtesy of University of Redlands
STATUS OF THE SALTON SEA

- Status Quo is a NO GO: Rising Salt, Lowering Water = declining ecology & economy for the Southwestern US
- North America’s largest and most diverse migratory bird habitat outside the Everglades
- Salinity approaching 2 x ocean
- Algae blooms in Sea occasionally kill fish
- Water transfers in 2017: reduced inflow
- Less inflow: shoreline will shrink
- Exposure of nearly 100 sq miles of playa
- Air quality decline: odors and dust
DO NOTHING SCENARIO

$70 Billion in Damages

“The most costly and irresponsible of all options”
DO NOTHING SCENARIO
ESTIMATED TOTAL PLAYA EXPOSURE

<table>
<thead>
<tr>
<th>Years</th>
<th>Estimate of Total Exposed Playa (Acreage)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2012-2017</td>
<td>7,184</td>
</tr>
<tr>
<td>2018-2020</td>
<td>17,068</td>
</tr>
<tr>
<td>2021-2025</td>
<td>37,817</td>
</tr>
<tr>
<td>2026-2030</td>
<td>50,797</td>
</tr>
<tr>
<td>2031-2035</td>
<td>56,800</td>
</tr>
<tr>
<td>2036-2040</td>
<td>60,025</td>
</tr>
<tr>
<td>2041-2047</td>
<td>61,465</td>
</tr>
</tbody>
</table>
SIGNIFICANT PROGRESS AT THE SEA

- Breakthroughs in cooperation
- Governance clarified
- Policy enhanced
- Funding expansion
Governor and Legislature direct the Ca Natural Resources Agency to work in Cooperation and Consultation with the Salton Sea Authority on matters pertaining to Salton Sea revitalization.
IMPROVED TRUST = LEGISLATIVE SUPPORT

- **Funding**
  - State $$
    - Prop 1: $80.5 M
    - Prop 68: $200 M
  - Federal $$
    - Dept of Ag: $9 M
    - Army Corps: $30 M

- **SAVINGS: Construction $ and Time**
  - Dam Safety considerations
  - Design-Build capability for Sea projects
SALTON SEA MANAGEMENT PROGRAM 10 YEAR PLAN

- Realistic, Feasible, Actionable
- Salt Management: Catch inflow
- Shovel ready projects, real funding
- Not perfect or complete, but good first step
SSA DELIVERS FIRST STATE-FUNDED PROJECT EVER COMPLETED AT SALTON SEA

- Completed by Salton Sea Authority
  - On Time
  - Under Budget
  - Contracted with state
  - In partnership with Torres Martinez Tribe
STABLE SHORELINE = MULTIPLE BENEFITS

- SSMP 10-year plan:
  - Goal: Smaller sustainable sea
  - State obligation: AQ, Habitat
  - Local benefits:
    - Recreation
    - Renewable Energy
  - Protects up to 30,000 acres of potentially emissive playa
FINANCIAL FEASIBILITY ACTION PLAN

Precursor to the SSMP

Historic MOU for cooperative land use planning to develop a Perimeter Lake
NEAR-TERM DESIGN & CONSTRUCTION

• Current projects
  • SSA/Torres Martinez Wetland
    • Phase 2 Expansion
  • Red Hill Bay
  • New River East - (SCH)

• Proposed 2020
  • New River West
  • Whitewater River
NEW SOURCES OF FUNDING

- State Bonds
- Federal Approps
- Local – EIFD**
INFRASTRUCTURE FINANCING DISTRICTS (IFD)

• NOT a new tax
• NOT a change in tax rate
• Leverages existing local property tax
• Requires a defined project providing clear benefits
For more information please visit: http://saltonseaauthority.org/
Overview of the Santa Ana River Trail

Ian Achimore, Senior Watershed Manager
Patricia Lock-Dawson, Principal PLD Consulting
Commission | March 17, 2020
Item No. 6.A.
Crest To Coast Trail
Requires Coordination and Long-Term Planning
Important Trail Facts

- **1950s:** Area adjacent to Santa Ana River was recommended to the California State Parks Commission as a multi-purpose recreation area.

- **Mid-1970s:** 30-miles downstream of Prado in Orange County paved for multi-use trail/road.

- **1977:** U.S. Department of Interior designated portions of the trail as a National Recreational Trail.

- **1991:** First Coordinated Tri-County Santa Ana River Trail Master Plan Developed.

- **2006:** Counties, SAWPA and others form the Trail Policy Advisory Group.
The Santa Ana River Trail and Parkway Partnership
Est. 2006 by Memorandum of Understanding

- Policy Advisory Group (Elected Officials)
- Technical Advisory Group (Managers)
In 2014, legislation was passed to create the Santa Ana Conservancy program requiring the creation of a local advisory body.

First order of business was to create the Santa Ana River Parkway and Open Space Plan.
PARKWAY & OPEN SPACE PLAN

Expanding the River’s Reach
MOU Expires

Partnership model segues into Conservancy

New organizational structure is needed
Santa Ana River Conservancy
Decision Making and Implementation

Coastal Conservancy (State Agency)

Advisory Group
- Elected county supervisors, mayors, councilmembers
- Executive Officers (water agencies, non-profit)

Technical Advisory Committee
- County and city staff charged with implementation
- Nonprofit staff
## Advisory Group Roster

<table>
<thead>
<tr>
<th>Name</th>
<th>Title</th>
<th>Affiliation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rusty Bailey</td>
<td>Mayor</td>
<td>City of Riverside</td>
</tr>
<tr>
<td>Stephen Faessel</td>
<td>Councilmember</td>
<td>City of Anaheim</td>
</tr>
<tr>
<td>Toni Momberger</td>
<td>Councilmember</td>
<td>City of Redlands</td>
</tr>
<tr>
<td>T. Milford Harrison</td>
<td>Commissioner</td>
<td>Santa Ana Watershed Project Authority</td>
</tr>
<tr>
<td>David Myers</td>
<td>Executive Director</td>
<td>Wildlands Conservancy</td>
</tr>
<tr>
<td>Jack Easton</td>
<td>Executive Director</td>
<td>Rivers and Land Conservancy</td>
</tr>
<tr>
<td>Michael Wellborn</td>
<td>President of the Board</td>
<td>Friends of Harbors Beaches and Parks</td>
</tr>
<tr>
<td>Beahta Davis</td>
<td>Director</td>
<td>San Bernardino County Parks</td>
</tr>
<tr>
<td>Kyla Brown</td>
<td>General Manager</td>
<td>Riverside County Parks and Open Space District</td>
</tr>
<tr>
<td>Stacy Blackwood</td>
<td>Director</td>
<td>Orange County Parks</td>
</tr>
<tr>
<td>Jose Solorio</td>
<td>Councilmember</td>
<td>City of Santa Ana</td>
</tr>
<tr>
<td>Karen Spiegel</td>
<td>Supervisor, 2nd District</td>
<td>County of Riverside</td>
</tr>
</tbody>
</table>
The Advisory Group in 2020 and Beyond...

- Continue coordination on trail development
- Act as local advisory body to Santa Ana River Conservancy program (per legislation)
- Advocate for funding, support and resources
- Advise on plan implementation, project priorities
Bringing In State Funding for the Trail

- Prop. 84 (2006): $45 million
- Prop. 68 (2018): $16 million
- State Budget 18/19: $5 million
- Governor’s Proposed 20/21 Budget: $3 million
The majority has been constructed with several gaps remaining to be completed:
- 11 miles in San Bernardino County,
- 12 miles in Riverside County, and
- 3 miles in Orange County.

The overall trail is likely completed in the next 5 to 10 years.
SAWPA’s Trail Participation

- Commissioner on Advisory Group.
- Past Technical Advisory Committee (TAC) Chair.
- Served as contracting arm of TAC before MOU (similar to other SAWPA Task Forces).
  - Hosted Trail Website.
- Granted right of entry to Riverside County in 2016 for 1-mile segment of trail near Prado Dam.
- Participated in the development of the 2018 Parkway and Open Space Plan.
  - SAWPA projects included in the Plan.
1 Mile Segment*

SAWPA Property Near Prado
Questions
SAWPA Parking Lot Restoration
MOU Between SAWPA and WMWD

Carlos Quintero, Operations Manager
SAWPA Commission | March 17, 2020
Item 6.B.
Recommendation

- Authorize the General Manager to approve the revised Memorandum of Understanding between SAWPA and Western Municipal Water District establishing the terms for the cost allocation of the SAWPA parking lot restoration.
Per Assessor’s Map, this portion is part of WMWD Sterling Pump Station Parcel
## Estimated Cost

<table>
<thead>
<tr>
<th>Item</th>
<th>Total Cost (Estimated)</th>
<th>SAWPA Share</th>
<th>WMWD Share</th>
</tr>
</thead>
<tbody>
<tr>
<td>Parking lot re-surfacing</td>
<td>$71,000</td>
<td>$23,200 (32.7%)</td>
<td>$47,800 (67.3%)</td>
</tr>
<tr>
<td>Additional 3 parking stalls, ADA improvements</td>
<td>$24,000</td>
<td>$24,000 (100%)</td>
<td>-</td>
</tr>
</tbody>
</table>
Recommendation

• Authorize the General Manager to approve the revised Memorandum of Understanding between SAWPA and Western Municipal Water District establishing the terms for the cost allocation of the SAWPA parking lot restoration.
Questions??
SAWPA Building Renovation
Phase 2

Carlos Quintero, Operations Manager
SAWPA Commission | March 17, 2020
Item No. 6.C.
Recommendation

- Approve the use of $120,000 from the Building Reserve Fund to continue Phase 2 of the SAWPA Building Renovation effort.
## Building Renovations – Phase 1

<table>
<thead>
<tr>
<th>Concept</th>
<th>Amount</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Budget Approved</td>
<td>$376,500</td>
<td></td>
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<tr>
<td>Amount Spent</td>
<td>$345,000</td>
<td></td>
</tr>
<tr>
<td>Pending</td>
<td>$30,000</td>
<td>Parking Lot</td>
</tr>
</tbody>
</table>

- **Notes**
  - Parking Lot
# Building Renovations – Phase 2

<table>
<thead>
<tr>
<th>Concept</th>
<th>Estimated Cost ($)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flooring</td>
<td>$37,927.54</td>
</tr>
<tr>
<td>Department displays, wall art/photos</td>
<td>$5,054.26</td>
</tr>
<tr>
<td>Painting</td>
<td>$14,895</td>
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<tr>
<td>2nd floor restroom renovations</td>
<td>$28,000</td>
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<tr>
<td>2nd floor conference room</td>
<td>$16,797.02</td>
</tr>
<tr>
<td>2nd floor document room</td>
<td>$8,276.85</td>
</tr>
<tr>
<td>Window shades</td>
<td>$9,000</td>
</tr>
<tr>
<td>TOTAL</td>
<td>$119,950.67</td>
</tr>
</tbody>
</table>
Recommendation

• Approve the use of $120,000 from the Building Reserve Fund to continue Phase 2 of the SAWPA Building Renovation effort.
RECOMMENDATION

It is recommended that the Commission direct the General Manager to execute an agreement for services with Water Systems Consulting, Inc. for Strategic Plan Facilitator Consultant Services in an amount not to exceed $79,330.
Background

• The 2016 Strategic Plan evaluated three business lines:
  – Brine Line
  – Roundtables
  – OWOW

• For each business line, the 2016 Strategic Plan consisted of:
  – Goals and Objectives
  – Critical Success Factors (CSFs)
  – Process, Activities, and Tasks (PATs)

• 2016 process inclusive of workshops and Commissioner interviews.
Request for Proposals (RFP)

- December 2019 - RFP for Strategic Plan Facilitator Consultant Services was approved by the Commission.
- January 2020 - release of RFP; seven proposals were received.
- March 2020 - top four firms interviewed:
  - MIG
  - PlaceWorks Inc.
  - Raftelis
  - Water Systems Consulting Inc. (WSC)
SCOPE OF WORK

• Identify and provide required information; develop detailed implementation plan and schedule (set workshop dates).
• Conduct interviews and preliminary workshops with member agency GMs, OWOW Steering Committee, several Bine Line customers, and key watershed stakeholders.
• Meet with key SAWPA staff to identify goals to facilitate internal changes needed to support the final strategic plan.
• Conduct initial Commission workshop.
• Draft strategic plan.
• Conduct second workshops with agency GMs, Commission.
• Finalize strategic plan.
• Present final plan to the Commission.
2020 STRATEGIC PLAN | Desired Results

- Confirm vision, values, and priorities for SAWPA to meet the present and future needs of member agencies and watershed stakeholders.
- Seek input from stakeholders, the OWOW Steering Committee, General Managers, and Commissioners to define the goals for each of the three SAWPA business lines.
- Target completion period of approximately four months.
RECOMMENDATION

It is recommended that the Commission direct the General Manager to execute an agreement for services with Water Systems Consulting, Inc. for Strategic Plan Facilitator Consultant Services in an amount not to exceed $79,330.
QUESTIONS
COVID-19

Rich Haller, General Manager
SAWPA Commission | March 17, 2020
Item No. 6.E
Recommendation

• Receive and discuss information; provide direction to staff regarding Coronavirus (COVID-19).
CalOSHA Guidance

- CalOSHA Guidance for General Industry
  - [https://www.dir.ca.gov/dosh/coronavirus/General-Industry.html](https://www.dir.ca.gov/dosh/coronavirus/General-Industry.html)

- SAWPA not covered by the Aerosol Transmissible Diseases (ATD) Standard

- Actively encouraging sick employees to stay home

- Sending employees with acute respiratory illness symptoms home immediately
CalOSHA Guidance

- Providing information and training to employees on:
  - Cough and sneeze etiquette
  - Hand hygiene
  - Avoiding close contact with sick persons
  - Avoiding touching eyes, nose, and mouth with unwashed hands
  - Avoiding sharing personal items with co-workers (i.e. dishes, cups, utensils, towels)
  - Providing tissues, no-touch disposal trash cans and hand sanitizer for use by employees
- Performing routine environmental cleaning of shared workplace equipment and furniture (disinfection beyond routine cleaning is not recommended)
- Advising employees to check [CDC’s Traveler’s Health Notices](https://www.cdc.gov/travel) prior to travel
CalOSHA Guidance

- COVID-19 not considered a hazard at SAWPA
- **Injury and Illness Prevention Program (IIPP)**
  All employers must have an IIPP (title 8 section 3203) to protect employees from workplace hazards. Employers are required to determine if COVID-19 infection is a hazard in their workplace. If it is a workplace hazard, then employers must:
  - Implement measures to prevent or reduce infection hazards, such as implementing the CDC recommended actions listed above
  - Provide training to employees on their COVID-19 infection prevention methods
CDC Guidance

- CDC Interim Guidance for Businesses and Employers
- Actively encourage sick employees to stay home
- Separate sick employees
- Emphasize staying home when sick, respiratory etiquette and hand hygiene by all employees
- Perform routine environmental cleaning
- Advise employees before traveling to take certain steps
Additional Measures in Response to Currently Occurring Sporadic Importations of the COVID-19:

- Employees who are well but who have a sick family member at home with COVID-19 should notify their supervisor and refer to CDC guidance for how to conduct a risk assessment of their potential exposure.

- If an employee is confirmed to have COVID-19, employers should inform fellow employees of their possible exposure to COVID-19 in the workplace but maintain confidentiality as required by the Americans with Disabilities Act (ADA). Employees exposed to a co-worker with confirmed COVID-19 should refer to CDC guidance for how to conduct a risk assessment of their potential exposure.
Governor Executive Order


- Waives some Brown Act requirements, provided that the following conditions are met:
  - Each local body must give advance notice of each public meeting, according to the Brown Act;
  - Each local body must notice at least one publicly accessible location from which members of the public shall have the right to observe and offer public comment at the public meeting.
Recommendation

- Receive and discuss information; provide direction to staff regarding Coronavirus (COVID-19).
Questions??
## Upcoming meetings (through April 30, 2020)

<table>
<thead>
<tr>
<th>Meeting Description</th>
<th>Participants</th>
</tr>
</thead>
<tbody>
<tr>
<td>Basin Monitoring Program (BMP) Task Force</td>
<td>30 participants</td>
</tr>
<tr>
<td>Imported Water Rechargers Committee – BMP TF</td>
<td>10 participants</td>
</tr>
<tr>
<td>Lake Elsinore/Canyon Lake TMDL Task Force meeting</td>
<td>25 participants</td>
</tr>
<tr>
<td>BMP Task Force – SAR Wasteload Allocation Training</td>
<td>12 participants</td>
</tr>
<tr>
<td>OWOW Steering Committee</td>
<td>25 participants</td>
</tr>
<tr>
<td>LESJWA Board Meeting (EVMWD offices)</td>
<td>10 participants</td>
</tr>
<tr>
<td>LESJWA Education and Outreach Committee (EVMWD offices)</td>
<td>5 participants</td>
</tr>
<tr>
<td>Middle SAR TMDL Task Force</td>
<td>30 participants</td>
</tr>
<tr>
<td>Regional WQ Monitoring Program Task Force</td>
<td>30 participants</td>
</tr>
<tr>
<td>SARCCUP Planning Managers</td>
<td>10 participants</td>
</tr>
<tr>
<td>Pretreatment Work Group Meeting</td>
<td>15 participants</td>
</tr>
</tbody>
</table>