Meeting Minutes:
Wednesday, February 26, 2020
9:00am - 11:00am
City of Monrovia, Monrovia Room
119 West Palm Ave Monrovia, CA 91016

Attendees

Committee Members and Alternates:
Fernando Villaluna* (LA County)
Julian Juarez (LA County Flood Control District)
Kelly Gardner (Main San Gabriel Basin)
Kristen Ruffell (Sanitation Districts)
Mark Hall (Greater LA County Vector Control District)
Brent Maue (City of Pasadena Parks and Recreation)
Daniel Rossman (The Wilderness Society)

Thomas Wong (San Gabriel Valley Municipal Water District)
Frank Lopez (Monterey Park)
David Dolphin (Alhambra)
Vanessa Hevener (Arcadia)
Sean Singley (Pasadena)
James Carlson (Sierra Madre)
Gloria Crudgington (Monrovia)

Committee Members Not Present
Tom Love (Upper San Gabriel Valley Municipal Water District)
Michael Hurley (Cal Water)

*Committee Member Alternate

See attached sign-in sheet for full list of attendees

1. Welcome and Introductions
Mr. Carlson of Sierra Madre, the Chair of the Rio Hondo welcomed all of the members and confirmed a quorum of the committee was present. All committee members made self-introductions.

2. Approval of Meeting Minutes from February 12, 2020
The Los Angeles County Flood Control District (District) provided a copy of the meeting minutes from the previous meeting. Mr. Carlson asked the committee members for comments or revisions.

The committee voted to approve the meeting minutes from February 12, 2020 (13 votes in agreement and 1 vote abstain).

3. Committee Member and District Updates
Ms. Kevin Kim (District) provided a summary of the scoring progress so far by the Scoring Committee (SC), adoption of the General Income Based Tax Reduction Program, and informed the committee of the Meeting of Chairs/Vice Chairs on Thursday, February 27, 2020.

4. Public Comment Period
No public comment.
5. **Voting Items:**

   None.

6. **Discussion Items:**

   a. **Presentations**

      i. **Infrastructure Program**

         1) **Arcadia Wash Water Conservation Diversion Project (City of Monrovia)**

            Presentation by Alex Tachiki and Oliver Galang. The proposed project is a Diversion that takes flows from Arcadia Wash channel at Live Oak Ave and directs them for potential future treatment at Phase II, Rio Hondo Ecosystem Restoration Program. This is Phase 1 of a two-phase project that will ultimately result in a treatment wetlands. This project was identified for implementation in the Rio Hondo/San Gabriel River revised Watershed Management Program.

            Mr. Tachiki requested this project be considered under the Technical Resources Program.

            Following the presentation, the committee members asked questions about the location of the monitoring stations and the timeline for Phase 2 of this project. Mr. Tachiki responded that there is a monitoring station at Peck Park Lake and that Peck Park Lake does not have a TMDL for bacteria. Mr. Tachiki responded that the timeline for Phase 2 is unknown at this time, but a Joint Powers Authority (JPA) will be formed to assist with the land acquisition process.

            Committee members raised concerns about the inconsistencies in scoring by the Scoring Committee. The scoring criteria was developed and refined through a lengthy stakeholder advisory process. While the District intends to revisit and refine the scoring criteria in the future this year was a unique case where all the projects were sent to the Scoring Committee due to the expedited timeline to submit Stormwater Investment Plans. In subsequent years, the WASCs will review and decide which projects are sent to the Scoring Committee.

      2) **Baldwin Lake and Tule Pond Restoration Project (Los Angeles County Public Works/Flood Control District)**

            Presentation by Joshua Felton. The proposed project, located at the Los Angeles County arboretum and Botanic Garden in the City of Arcadia, will improve water quality and enhance the aesthetic, historical, and operational features of the Lake and Pond. Features of this project include filtration unit, bioswales and community investment features such as observation decks and educational signage.

            The committee members discussed coordination efforts between projects that capture the same water and other technical attributes of the project. Mr. Felton was asked about the sediment in the pond and about current water quality issues. Mr. Felton responded that sediments will be removed through dredging and that the existing water has low oxygen levels. The public commented that this project and the Arcadia Wash Water Conservation Diversion Project are both important projects to meet MS4 compliance.
ii. Technical Resources Program
   1) None

iii. Scientific Studies Program
   1) None

b. Discussion of Stormwater Investment Plan Development Process
   i. Disadvantage Community Benefit
   Mr. Kim clarified that if the WASC confirms that a project provides DAC benefits and the project is included in the SIP, the full funding amount will be used toward the DAC criteria calculation. The District will provide a summary of DAC benefits at the next meeting.

   ii. Infrastructure Program, Technical Resources Program, and Scientific Studies Program Project selection process
   Mr. Kim stated that the District recommends the WASCs allocate up to 80% of the estimated Regional Program Funds to account for tax reductions and appeals. For the subsequent 4 years, the District recommends the WASCs allocate up to 50% of the estimated Regional Program Funds. Any unused funds will roll over to the following Fiscal Year. Ms. Melissa Turcotte (District) provided a preview of the SIP planning tool to assist in developing the SIP.

   iii. Voting options and process
   The District solicited recommendations on how the committee would like to select projects. Ms. Ruffell suggested the committee (1) vote on the targeted percent allocation for each year, (2) vote on the prioritization of the two infrastructure projects and (3) vote on the technical resources program and scientific studies. District will provide ballots for each voting item at the next meeting.

7. Items for next agenda
   The District recommends the following items for the next agenda. (1) Further Discussion on project selection process and (2) Stormwater Investment Plan discussion and development. The committee voiced general questions about the SIP programming process. Programming guidelines to be shared with the committee at the next meeting. There were general comments from the public regarding the allocation percentages for the three separate programs in the Regional Program. District stated that the allocation percentages are defined in the implementation ordinance and revisions to the ordinance, as well as, the scoring criteria will be revisited in future years.

8. Adjournment
   Mr. Carlson thanked the committee members and public for their time and participation and adjourned the meeting.
## Rio Hondo Watershed Area Steering Committee Meeting

**COMMITTEE MEMBER AND ALTERNATE SIGN-IN**

<table>
<thead>
<tr>
<th>Member Name</th>
<th>Municipality/Organization</th>
<th>Email Address</th>
<th>Signature</th>
</tr>
</thead>
<tbody>
<tr>
<td>Julian Juarez</td>
<td>FCD</td>
<td><a href="mailto:JUAREZ@dpw.lacounty.gov">JUAREZ@dpw.lacounty.gov</a></td>
<td>Present</td>
</tr>
<tr>
<td>Kelly Gardner</td>
<td>Main San Gabriel Basin</td>
<td><a href="mailto:kelly@watermaster.org">kelly@watermaster.org</a></td>
<td>Present</td>
</tr>
<tr>
<td>Brent Maue</td>
<td>City of Pasadena Department of Public Works</td>
<td><a href="mailto:Bmaue@cityofpasadena.net">Bmaue@cityofpasadena.net</a></td>
<td>Present</td>
</tr>
<tr>
<td>Kristen Ruffell</td>
<td>Sanitation Districts</td>
<td><a href="mailto:kruffell@lacsd.org">kruffell@lacsd.org</a></td>
<td>Present</td>
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<tr>
<td>Tom Love</td>
<td>Upper San Gabriel District</td>
<td><a href="mailto:tom@usgvmwd.org">tom@usgvmwd.org</a></td>
<td>Present</td>
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<tr>
<td>Thomas Wong</td>
<td>San Gabriel Valley MWD Division 3</td>
<td><a href="mailto:thomaswong05@gmail.com">thomaswong05@gmail.com</a></td>
<td>Present</td>
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<tr>
<td>Michael Hurley</td>
<td>Cal Water</td>
<td><a href="mailto:mhurley00@gmail.com">mhurley00@gmail.com</a></td>
<td>Present</td>
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<tr>
<td>Ron Miller</td>
<td>LA/OC Building Trades</td>
<td><a href="mailto:rmiller@laocbuildintrades.org">rmiller@laocbuildintrades.org</a></td>
<td>Present</td>
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<tr>
<td>Daniel Rossman</td>
<td>The Wilderness Society</td>
<td><a href="mailto:daniel_rossman@tws.org">daniel_rossman@tws.org</a></td>
<td>Present</td>
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<tr>
<td>Mark Hall</td>
<td>Vector Control</td>
<td><a href="mailto:mhall@glacvcd.org">mhall@glacvcd.org</a></td>
<td>Present</td>
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<tr>
<td>David Dolpin</td>
<td>Alhambra</td>
<td><a href="mailto:ddolphin@cityofalhambra.org">ddolphin@cityofalhambra.org</a></td>
<td>Present</td>
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<tr>
<td>Vanessa Hevener</td>
<td>Arcadia</td>
<td><a href="mailto:vhevener@ArcadiaCA.gov">vhevener@ArcadiaCA.gov</a></td>
<td>Present</td>
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<tr>
<td>Mark Lombos</td>
<td>Los Angeles County</td>
<td><a href="mailto:MLOMBOS@dpw.lacounty.gov">MLOMBOS@dpw.lacounty.gov</a></td>
<td>Present</td>
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<tr>
<td>Gloria Crudgington</td>
<td>Monrovia</td>
<td><a href="mailto:gcrudgington@ci.monrovia.ca.us">gcrudgington@ci.monrovia.ca.us</a></td>
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<td>Frank Lopez</td>
<td>Monterey Park</td>
<td><a href="mailto:flopez@montereypark.ca.gov">flopez@montereypark.ca.gov</a></td>
<td>Present</td>
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<tr>
<td>Sean Singletary</td>
<td>Pasadena</td>
<td><a href="mailto:ssingletary@cityofpasadena.net">ssingletary@cityofpasadena.net</a></td>
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February 26, 2020
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<th>Signature</th>
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<tbody>
<tr>
<td>James Carlson</td>
<td>Sierra Madre</td>
<td><a href="mailto:jcarlson@cityofsierramadre.com">jcarlson@cityofsierramadre.com</a></td>
<td>P</td>
</tr>
<tr>
<td>Carolina Hernandez</td>
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<td>A</td>
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<tr>
<td>Tony Zampiello</td>
<td>Main San Gabriel Basin Watermaster</td>
<td><a href="mailto:tony@watermaster.org">tony@watermaster.org</a></td>
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<tr>
<td>Martha Tremblay</td>
<td>Sanitation Districts</td>
<td><a href="mailto:mtremblay@lacsd.org">mtremblay@lacsd.org</a></td>
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<tr>
<td>Robert Tock</td>
<td>Upper San Gabriel District</td>
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<tr>
<td>Bryan Matsumoto</td>
<td>Nature for All</td>
<td><a href="mailto:bryan@lanatureforall.org">bryan@lanatureforall.org</a></td>
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<tr>
<td>Liliana Griego</td>
<td>Friends of the Los Angeles River</td>
<td><a href="mailto:liliana@folar.org">liliana@folar.org</a></td>
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<tr>
<td>Mark Daniel</td>
<td>Vector Control</td>
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<tr>
<td>Eddie Chan</td>
<td>Arcadia</td>
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<td>A</td>
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<tr>
<td>Latoya Waters</td>
<td>Alhambra</td>
<td><a href="mailto:lwaters@cityofalhambra.org">lwaters@cityofalhambra.org</a></td>
<td>A</td>
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<tr>
<td>Fernando Villaluna</td>
<td>Los Angeles County</td>
<td><a href="mailto:FVILLALUNA@dpw.lacounty.gov">FVILLALUNA@dpw.lacounty.gov</a></td>
<td>A</td>
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<tr>
<td>Sean Sullivan</td>
<td>Monrovia</td>
<td><a href="mailto:ssullivan@ci.monrovia.ca.us">ssullivan@ci.monrovia.ca.us</a></td>
<td>A</td>
</tr>
<tr>
<td>Mark A. McAvoy</td>
<td>Monterey Park</td>
<td><a href="mailto:mmcavoy@MontereyPark.ca.gov">mmcavoy@MontereyPark.ca.gov</a></td>
<td>A</td>
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<tr>
<td>Kris Markarian</td>
<td>Pasadena</td>
<td><a href="mailto:kmarkarian@cityofpasadena.net">kmarkarian@cityofpasadena.net</a></td>
<td>A</td>
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<tr>
<td>Chris Cimino</td>
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<td><a href="mailto:CCimino@cityofsierramadre.com">CCimino@cityofsierramadre.com</a></td>
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February 26, 2020
## Rio Hondo Watershed Area Steering Committee Meeting

### PUBLIC SIGN-IN

<table>
<thead>
<tr>
<th>First Name</th>
<th>Last Name</th>
<th>Municipality/Organization</th>
<th>Email Address</th>
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</thead>
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<tr>
<td>Youssef</td>
<td>Chebab</td>
<td>LACPW</td>
<td><a href="mailto:ychebab@dpw.lacity.org">ychebab@dpw.lacity.org</a></td>
</tr>
<tr>
<td>Joshua</td>
<td>Felton</td>
<td>LACPW</td>
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</tr>
<tr>
<td>Oliver</td>
<td>Shang</td>
<td>CRAFT WATERB0GS</td>
<td><a href="mailto:div.2.shang@craftwaterb0gs.com">div.2.shang@craftwaterb0gs.com</a></td>
</tr>
<tr>
<td>Mike</td>
<td>Anzio</td>
<td>SPC</td>
<td>Mike <a href="mailto:Anzio@SPC.com">Anzio@SPC.com</a></td>
</tr>
<tr>
<td>Sandy</td>
<td>Spideer</td>
<td>ARBORETUM</td>
<td><a href="mailto:Sandy-Spideer-626@chart.net">Sandy-Spideer-626@chart.net</a></td>
</tr>
<tr>
<td>Jud</td>
<td>Wang</td>
<td>WESTON</td>
<td><a href="mailto:Robert.Wang@wsfnsolutions.com">Robert.Wang@wsfnsolutions.com</a></td>
</tr>
<tr>
<td>Dawn</td>
<td>Potshauerl</td>
<td>LACORAN</td>
<td><a href="mailto:dawn.potschner@lacity.org">dawn.potschner@lacity.org</a></td>
</tr>
<tr>
<td>William</td>
<td>O'Bryan</td>
<td>KOREMADA</td>
<td><a href="mailto:WOBryan@KOREMADA.com">WOBryan@KOREMADA.com</a></td>
</tr>
<tr>
<td>Pam</td>
<td>Warner</td>
<td>LAI - Arboretum</td>
<td><a href="mailto:Pam.Warner2@gmail.com">Pam.Warner2@gmail.com</a></td>
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<tr>
<td>Edward</td>
<td>Wapon</td>
<td>WAPON</td>
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<tr>
<td>Cameron</td>
<td>McCullagh</td>
<td>JLAHA</td>
<td><a href="mailto:cmccullough@jlaha.net">cmccullough@jlaha.net</a></td>
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<tr>
<td>Ivar</td>
<td>Lidgeway</td>
<td>RWQCB - LA</td>
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<tr>
<td>Richard</td>
<td>Schulhof</td>
<td>ABOROYAM</td>
<td><a href="mailto:Richard.Schulhof@ABOROYAM.org">Richard.Schulhof@ABOROYAM.org</a></td>
</tr>
<tr>
<td>Blake</td>
<td>Whittington</td>
<td>SELF</td>
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*Signing or completing this form is voluntary for members of the public*

February 26, 2020
Baldwin Lake and Tule Pond Restoration Project

In partnership with Department of Parks and Recreation

Funding Requested: $8.5 Million

Presented by:
Joshua Felton

PROJECT PARTNERS

- County Supervisorial District No. 5
- Department of Parks and Recreation
- The Arboretum Foundation
- City of Arcadia
HISTORY

Baldwin Lake is a historical feature of the Arboretum and the region. It was the site for a Native American settlement prior to the arrival of the Spanish to California.

Over the years, the Lake has been featured in numerous movies and television shows. Additionally, the National Register of Historic Places listed the Lake as a support feature for the adjacent Queen Anne Cottage and Coach Barn.

In 1875, Mr. Baldwin purchased the land and established Baldwin Ranch and in the late 1880s he dredged the Lake and deepened it to a depth of 12 to 15 feet.

The site and its surrounding area became the Arboretum in 1947 when the State of California and the County of Los Angeles purchased the property.

PROJECT LOCATION

- Baldwin Lake and Tule Pond are two significant features within the Los Angeles County Arboretum and Botanic Garden in the City of Arcadia.

- The Arboretum is owned by the County of Los Angeles and is jointly operated and maintained by the Los Angeles Arboretum Foundation and the County of Los Angeles Department of Parks and Recreation (DPR).
PROJECT WATERSHED

Rio Hondo Watershed

Tule Pond
Tributary Area:
205 Acres

Arboretum
Tributary Area:
120 Acres

EXISTING CONDITIONS

Legend
- Sutro Falls
- Tule Pond
- Arboretum Boundary
- 200m Drainage
EXISTING CONDITIONS
BALDWIN LAKE

- Today, the Lake is approximately 2.5 to 3 feet deep due to sediment and organic material accumulation.
- Problematic features of the lake include:
  - Lake dries out between storm events
  - Low levels of dissolved oxygen
  - Spikes in temperature during the summer
  - Lack of water circulation
  - Potentially high bacteria levels.

EXISTING CONDITIONS
TULE POND

- Over the past decades, the runoff and storm flows from the drains and surrounding arboretum into the Pond have contributed to sediment deposition.
- This has negatively affected the Pond's ability to perform as a pre-settling basin to Baldwin Lake, as originally intended.
- Poor Water Quality
- Sediment Contaminated with lead and metals
PROJECT OBJECTIVES

- **INVESTMENT IN WATER QUALITY**
- **HABITAT REHABILITATION**
- **INCREASED GREEN SPACE**
- **IMPLEMENT NATURAL RESOURCES AND PROCESSES**
- **ENHANCED RECREATIONAL SPACES**
- **DAC CONTRIBUTION**

Baldwin Lake Restoration

- **Baldwin Lake efforts include:**
  - Sediment removal to a depth of 15 feet
  - Restoration of 2,900 feet of the historic retaining wall
  - Lake Liner and Ventilation system
  - Add energy dissipator to outlet of connector pipe between Tule Pond and Baldwin lake
  - Landscape and irrigation restorations
  - Observation decks
  - Lake Aeration and Recirculation
  - Educational and Wayfinding Signage
Tule Pond efforts include:

- Sediment removal to original depth (8ft-10ft) to enhance infiltration basin functionality and storm attenuation
- Relocation of 4th storm drain outlet
- Water quality features will reduce:
  - Trash, sediment, metals and bacteria
    - Six Bioswales along the road parkway
    - Hydrodynamic filtration units in each of the four storm drains
- Captures and treats:
  - 100% dry weather runoff
  - 100% of 85th Percentile storm event
Tule Pond Water Quality enhancements were initially phase 1 of the rWMP, Arcadia Wash Ecosystem Restoration and Groundwater Recharge Project (ERGRP). Phase 2 of ERGRP is still in conceptual planning phase.
WATER QUALITY & WATER SUPPLY

**Water Quality:**
- Water treated to reduce:
  - Trash
  - Bacteria
  - Sediment
  - Metals
- Dry weather flow – 100% treated
- Wet weather flow – 100% of 85th percentile

**Water Supply:**
- Pond capacity: 8.3 AF
- Pond Infiltration: 83 AFY (assumes 10 storm events per yr.)

COMMUNITY BENEFITS

**Nature Based Solutions:**
- Infiltration Basin
- Bioswales
- Native Plants
- Use of Natural Soils
- Follows Natural Water course
- Provides Additional Green Space

**Community Investment:**
- Water Quality Improvements
- Observation Decks
- Educational and Wayfinding Signage
- Enhance Recreational Opportunities
- Restoration of shoreline for Increased Vegetation
- Implementation and Enhancement of Natural Processes
**DAC BENEFITS**

**Additional Community Benefits**
- Arboretum visitors come from across Los Angeles County, with the majority from the San Gabriel Valley, East Los Angeles, and the Inland Empire.
- Of over 500,000 annual visitors, 33,458 are provided with free admission, either on monthly “Free Days”, or through EBT programs (food assistance for low income families).

**Schools served:**
- In 2018 some 285 schools visited the arboretum, many with multiple field trips.
- Over 70% of visiting schools are designated as Title 1, which requires that over 40% of the student body is classified as low income.
- Representation among School Districts include:
  - Los Angeles Unified
  - Pasadena Unified
  - Baldwin Park
  - Arcadia
  - El Monte

**COMMUNITY SUPPORT**

**Project Stakeholders Include:**
- The Save Baldwin Lake Task Force
- Audubon Society
- Historical Societies
- Gabrielino-Tongva Tribe
- Local School Districts
PROJECT COST ESTIMATE

Cost
- Total Project Cost: $19.6 Million
- Construction Cost: $16.0 Million
- Planning, Design, Construction Admin. and Inspection Cost: $3.6 Million

Funding
- LACFCD: $8.7 Million
- DPR: $1.0 Million contribution from Measure A
- City of Arcadia and EWMP Partners: $1.4 Million for Water Quality
- Funding Requested: $8.5 Million

COST ANALYSIS

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<td>Sediment Removal, Connector Inlet Modification, Env. Mitigation, Landscape restoration, Liner</td>
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<td>Historic Wall Restoration and Shoreline Stabilization</td>
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<td>Multi-Use Features such as aerators, viewing decks, educational signage</td>
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<td>Subtotal</td>
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<td>Sediment Removal, Inlet Modifications, realign 4th drain pipe, Shore edge stabilization, Env. Mitigation, Landscape Restoration</td>
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<td>Total Soft Cost (inc. Const. Admin. and Inspection)</td>
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<td>Total Project Cost</td>
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### 5-YEAR FUNDING PROJECTION

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<td>$231,000</td>
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### SCHEDULE

<table>
<thead>
<tr>
<th>MILESTON DESCRIPTION</th>
<th>ESTIMATED START</th>
<th>ESTIMATED FINISH</th>
</tr>
</thead>
<tbody>
<tr>
<td>Project Concept Report</td>
<td>January 2019</td>
<td>September 2019</td>
</tr>
<tr>
<td>Project Design Concept Report</td>
<td>October 2019</td>
<td>May 2020</td>
</tr>
<tr>
<td>Design Plans</td>
<td>June 2020</td>
<td>September 2021</td>
</tr>
<tr>
<td>Environmental Docs/Permits</td>
<td>August 2020</td>
<td>April 2022</td>
</tr>
<tr>
<td>Signed Plans, Specifications, &amp; Engineer’s Estimate (PS&amp;E)</td>
<td>December 2021</td>
<td>March 2022</td>
</tr>
<tr>
<td>Advertise/Award</td>
<td>May 2022</td>
<td>July 2022</td>
</tr>
<tr>
<td>Construction</td>
<td>October 2022</td>
<td>November 2023</td>
</tr>
</tbody>
</table>
QUESTIONS?
Rio Hondo Ecosystem Restoration Project
Phase I, Arcadia Wash Diversion Project

PRESENTED BY
Alex Tachiki, Rio Hondo San Gabriel River Water Quality Group
Oliver Galang, PE | Craftwater Engineering

RIO HONDO WATERSHED AREA STEERING COMMITTEE
SAFE, CLEAN WATER PROGRAM INFORMATION

<table>
<thead>
<tr>
<th>DESCRIPTION</th>
<th>DATA/INFORMATION</th>
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<tbody>
<tr>
<td>PROJECT NAME</td>
<td>Phase I, Arcadia Wash Water Conservation Diversion Project</td>
</tr>
<tr>
<td>PROJECT LEAD</td>
<td>City of Monrovia on behalf of the Rio Hondo San Gabriel River Water Quality Group</td>
</tr>
<tr>
<td>PRESENTERS</td>
<td>Alex Tachiki, City of Monrovia, Oliver Galang, Craftwater Engineering</td>
</tr>
<tr>
<td>TOTAL FUNDING REQUEST</td>
<td>TECHNICAL RESOURCES PROGRAM</td>
</tr>
<tr>
<td></td>
<td>TOTAL PROJECT COST: $300,000</td>
</tr>
</tbody>
</table>
Rio Hondo/San Gabriel River Watershed is a 26,240-acre watershed. Highest priority pollutants include metals, with zinc as the limiting pollutant, and bacteria. RH/SGR WMP was approved on 4/21/16 and was revised and approved on 05/17/2019. The revised compliance strategy relies heavily on regional projects and green streets.
Arcadia Wash Diversion Project
DRAINAGE AREA

- Watershed Drainage Area of **5,085 acres**
- Drainage area consists of the City of Arcadia (3,867 acres, 76%), City of Sierra Madre (758 acres, 15%), and County of Los Angeles (460 acres, 9%)
- Collaborative implementation with the RH/SGR WMP Group to address regulatory requirements for water quality
- Phase I of the Rio Hondo Ecosystem Restoration Project for the RH/SGR rWMP
- Potential water recharge benefits for the region
Located within 1/2 mile from disadvantaged communities and provides direct benefits to these communities.

**Green Street Enhancements** with permeable parking shoulders, median bioswales, and native trees benefit local residents and local businesses.
## ARCADIA WASH DIVERSION PROJECT
### Schedule and 5 Year Look Ahead

<table>
<thead>
<tr>
<th>TASK NAME</th>
<th>Start</th>
<th>Finish</th>
</tr>
</thead>
<tbody>
<tr>
<td>Phase I. Arcadia Wash – Feasibility Study</td>
<td>July 2020</td>
<td>June 2021</td>
</tr>
<tr>
<td>Phase I. Arcadia Wash - Design and Permitting</td>
<td>July 2021</td>
<td>December 2022</td>
</tr>
<tr>
<td>Phase I. Arcadia Wash - Contract Award and Construction</td>
<td>January 2023</td>
<td>September 2024</td>
</tr>
<tr>
<td>Phase II. Rio Hondo Ecosystem Restoration Design and Permitting</td>
<td>January 2022</td>
<td>September 2023</td>
</tr>
<tr>
<td>Phase II. Rio Hondo Ecosystem Restoration Construction</td>
<td>October 2023</td>
<td>September 2025</td>
</tr>
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## ARCADIA WASH DIVERSION PROJECT
### Expenditure Projections of SCW Program Funds

<table>
<thead>
<tr>
<th>YEAR</th>
<th>FISCAL YEAR</th>
<th>SCW FUNDS</th>
<th>DESCRIPTION</th>
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<tbody>
<tr>
<td>1</td>
<td>FY 20-21</td>
<td>$ 300,000</td>
<td>Feasibility Study</td>
</tr>
<tr>
<td>2</td>
<td>FY 21-22</td>
<td>$ 1,270,000</td>
<td>Planning, Design, and Permitting</td>
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<tr>
<td>3</td>
<td>FY 22-23</td>
<td>$ 1,262,371</td>
<td>Permitting and Bidding</td>
</tr>
<tr>
<td>4</td>
<td>FY 23-24</td>
<td>$ 5,100,000</td>
<td>Contractor mobilization and Construction</td>
</tr>
<tr>
<td>5</td>
<td>FY 24-25</td>
<td>$ 5,032,125</td>
<td>Construction</td>
</tr>
</tbody>
</table>
Summary of Benefits for a Feasibility Study

ARCADIA WASH
STORMWATER CAPTURE PROJECT
WATER QUALITY AND WATER SUPPLY BENEFITS

Dry-Weather Project treats up to 30 cfs with Pre-Treatment Unit, pump station, and in-line storage.
Phase I Water Supply benefits from diversion to recharge at Peck Road Water Conservation Basins, estimated at 112 AFY.
ARCADIA WASH DIVERSION PROJECT
COMMUNITY INVESTMENT and NATURE-BASED SOLUTIONS

Landscaped medians with bioswales and native trees
Additional trees to provide shade and reduce heat island
Permeable pavement parking on shoulders to reduce impervious areas

Rio Hondo Ecosystem Restoration, Phase II
Questions?

Alex Tachiki, City of Monrovia on behalf of the Rio Hondo/San Gabriel River Water Quality Group

Oliver Galang, PE | Craftwater Engineering