Regional Recycled Water Program

Engineering and Operations Committee
Item 7-3
Item 7-4
November 9, 2020
Overview of Presentation

- Summary of White Paper #2
- Opportunity for continued discussion of White Paper #2
- Board Items 7-3 and 7-4
  - Overview of Board actions
  - Staff recommendations
- Discussion
Summary of White Paper #2
How does the RRWP fit into Metropolitan's regional resource planning?

What kind of institutional arrangements or agreements would be required?

How could the Program’s costs be recovered by Metropolitan?
WP#2 – Institutional Arrangements

- WRD
- City of Long Beach
- City of Torrance

- MSG Watermaster
- Three Valleys MWD
- USGVMWD

- Up to 80 TAFY
- 60-80 TAFY

- LACFCD
- LADWP

- SNWA
- CAP/AZ-DWR
WP#2 – Role in Regional Planning

- Lower risk of allocation
- Resilience to climate change
- Reliability during seismic event
- Water quality improvement & DPR
- Increased operational flexibility

November 9, 2020
WP#2 - Cost Recovery Approaches

**Direct Recipients Pay**
- Purified Water Recipients
- All Member Agencies
- RRWP Costs
- 100%

**Integrated into Rates and Charges**
- Purified Water Recipients
- All Member Agencies
- RRWP Costs
- 100%

**Hybrid Approach**
- Purified Water Recipients
- All Member Agencies
- RRWP Costs
- X%
- Y%
Opportunity for Additional Discussion of White Paper #2
Recommended Board Actions

Board Item 7-3
• Authorize staff to commence Environmental Planning phase for RRWP
• Amend existing NWRI Agreement

Board Item 7-4
• Amend existing LACSD Agreement
• Approve new SNWA Agreement
Board Item 7-3
Prepare environmental documentation to support the Program

- Program Environmental Impact Report
- Engineering & Technical Support
- Treatment / Conveyance / Real Property
- Public Outreach support

$30M included in current O&M budget

Costs to be incurred over the next 3 years
<table>
<thead>
<tr>
<th>Activity</th>
<th>Objectives</th>
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</thead>
<tbody>
<tr>
<td>Environmental Planning</td>
<td>• Program EIR</td>
</tr>
<tr>
<td></td>
<td>• Project-level analyses for selected components</td>
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<tr>
<td>Engineering &amp; Technical</td>
<td>• Support the environmental planning process</td>
</tr>
<tr>
<td>Studies &amp; Support</td>
<td>• Further develop Program components</td>
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<tr>
<td>Public Outreach</td>
<td>• Conduct collaborative &amp; effective outreach program</td>
</tr>
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<td></td>
<td>• Encourage public involvement</td>
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</tbody>
</table>
Board Item 7-3

**NWRI Agreement Amendment**

- **National Water Research Institute (NWRI)**
  - Provides Independent Scientific Advisory Panel to Demonstration Plant work
  - Guides and reviews test plan and results
- Agreement signed in 2018
- **Initial Agreement: $245,000**
- **Proposed Amendment**
  - Provides for additional workshops and reports
  - Increases initial agreement by: $200,000
  - Funds included in current O&M budget
Board Item 7-3
Environmental Planning Phase Schedule

<table>
<thead>
<tr>
<th>Project Title</th>
<th>2020</th>
<th>2021</th>
<th>2022</th>
<th>2023</th>
<th>2024</th>
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<tbody>
<tr>
<td>Technical Studies</td>
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<tr>
<td>Environmental Documentation</td>
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<tr>
<td>Public Outreach</td>
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<tr>
<td>NWRI Activities</td>
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</tbody>
</table>

- **Environmental Documentation Consultant Selection Board Action**
- **Technical Studies NWRI Public Outreach Completion**
Board Options – Item 7-3
Environmental Planning and NWRI Agreement Amendment

Option #1

- Authorize preparation of environmental documentation and technical studies, and public outreach activities for the Regional Recycled Water Program.

- Authorize an increase of $200,000 to an existing agreement with National Water Research Institute, for a not-to-exceed amount of $445,000 for specialized services.
Option #2

Do not authorize preparation of environmental documentation and technical studies, and public outreach activities for the Regional Recycled Water Program, and

Authorize an increase of $200,000 to an existing agreement with National Water Research Institute, for a not-to-exceed amount of $445,000 for specialized services.
Staff Recommendations

Item 7-3: Environmental Planning Phase and NWRI Agreement Amendment

Option #1
Board Item 7-4
LACSD Amendment

- Initial MOU developed in 2010
- Formal Agreement in place since 2015
  - Demonstration plant implementation
  - Term sheet for potential full-scale facility
- Examples of LACSD coordination efforts
  - Supporting demonstration plant operation
  - Conducting water quality assessments (influent/effluent)
  - Implementing FORCO site Remediation Plan
Collaborate to complete environmental planning phase work

Prepare technical studies on secondary biological treatment and brine collection

Participate in Public Outreach efforts

Continue AWT site remediation

Provide financial contribution for this phase of work
Cost allocation established between parties

- LACSD shared financial contribution directly offsets Metropolitan costs

<table>
<thead>
<tr>
<th>Type of Contribution</th>
<th>Estimated Contribution</th>
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</thead>
<tbody>
<tr>
<td><strong>Shared Financial Contribution to Metropolitan</strong></td>
<td></td>
</tr>
<tr>
<td>• Participation in environmental evaluation</td>
<td>$4M - $5M (estimated)</td>
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<tr>
<td>• Conduct technical support activities</td>
<td></td>
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<tr>
<td>• Participation in Public Outreach efforts</td>
<td></td>
</tr>
<tr>
<td><strong>LACSD Sole Contribution</strong></td>
<td></td>
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<tr>
<td>• Continuation of site remediation activities</td>
<td>$6M - $7M (estimated)</td>
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<tr>
<td>• Conduct other technical studies</td>
<td></td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>$10M - $12M</td>
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</table>
Contribution of 24 percent of Metropolitan environmental planning costs: up to $6M

Refund provisions included:
- If Metropolitan doesn’t develop the Program
- If no separate Development Agreement

Opportunity for in-kind services

Does not obligate either party to future phases

No commitment for full-scale project or exchange
Option #1

Authorize an amendment to agreement with County Sanitation District No. 2 of Los Angeles County, and

Authorize an agreement with Southern Nevada Water Authority to support the development of the Regional Recycled Water Program.
Board Options – Item 7-4
LACSD Agreement Amendment and SNWA Agreement

Option #2

- Authorize an amendment to agreement with County Sanitation District No. 2 of Los Angeles County, or
- Authorize an agreement with Southern Nevada Water Authority to support the development of the Regional Recycled Water Program.
Option #3

- Do not authorize an amendment to agreement with County Sanitation District No. 2 of Los Angeles County, and
- Do not authorize an agreement with Southern Nevada Water Authority to support the development of the Regional Recycled Water Program.
Staff Recommendations

Item 7-4: LACSD Agreement Amendment and SNWA Agreement

Option #1