



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

Purpose of White Paper #2



What kind of institutional arrangements or agreements would be required?



How does the RRWP fit into Metropolitan's regional resource planning?

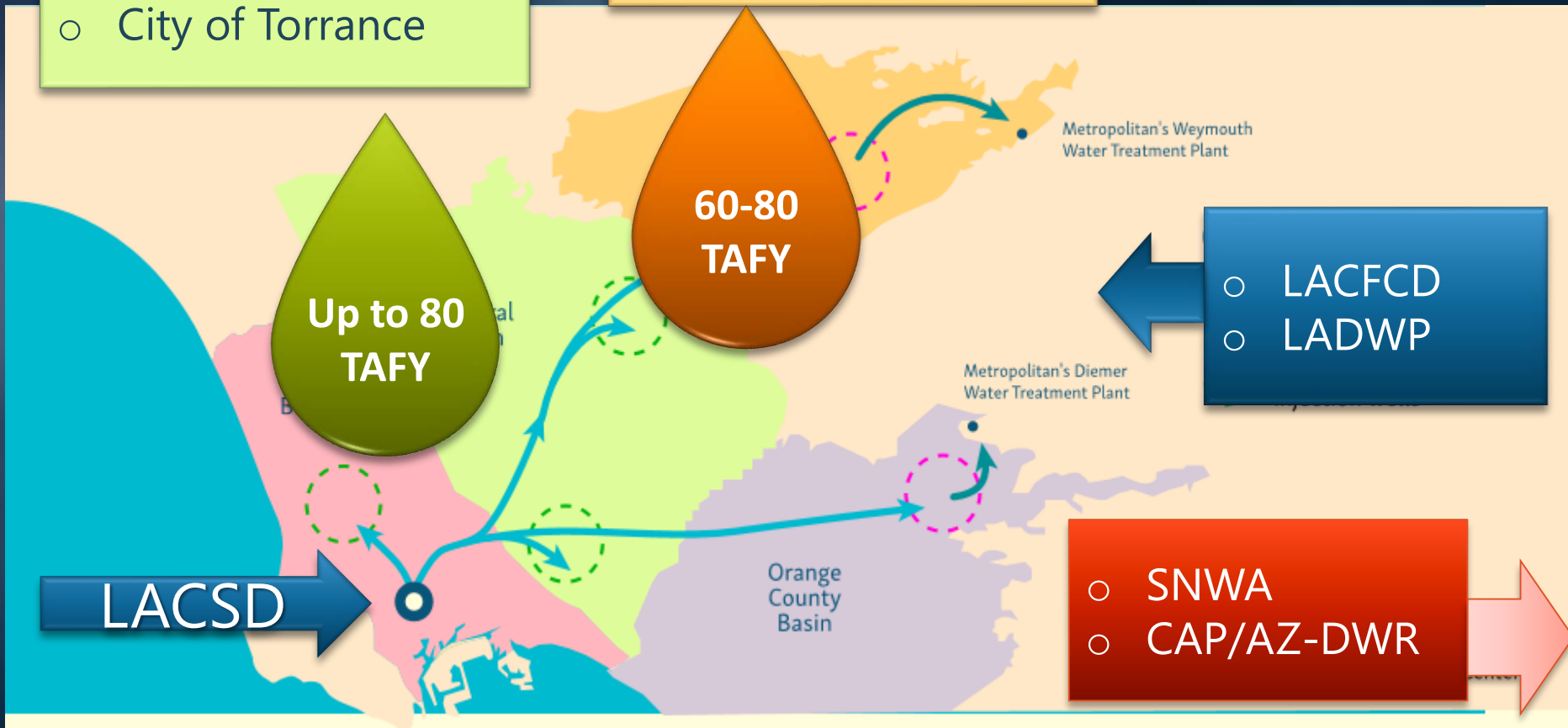


How could the Program's costs be recovered by Metropolitan?

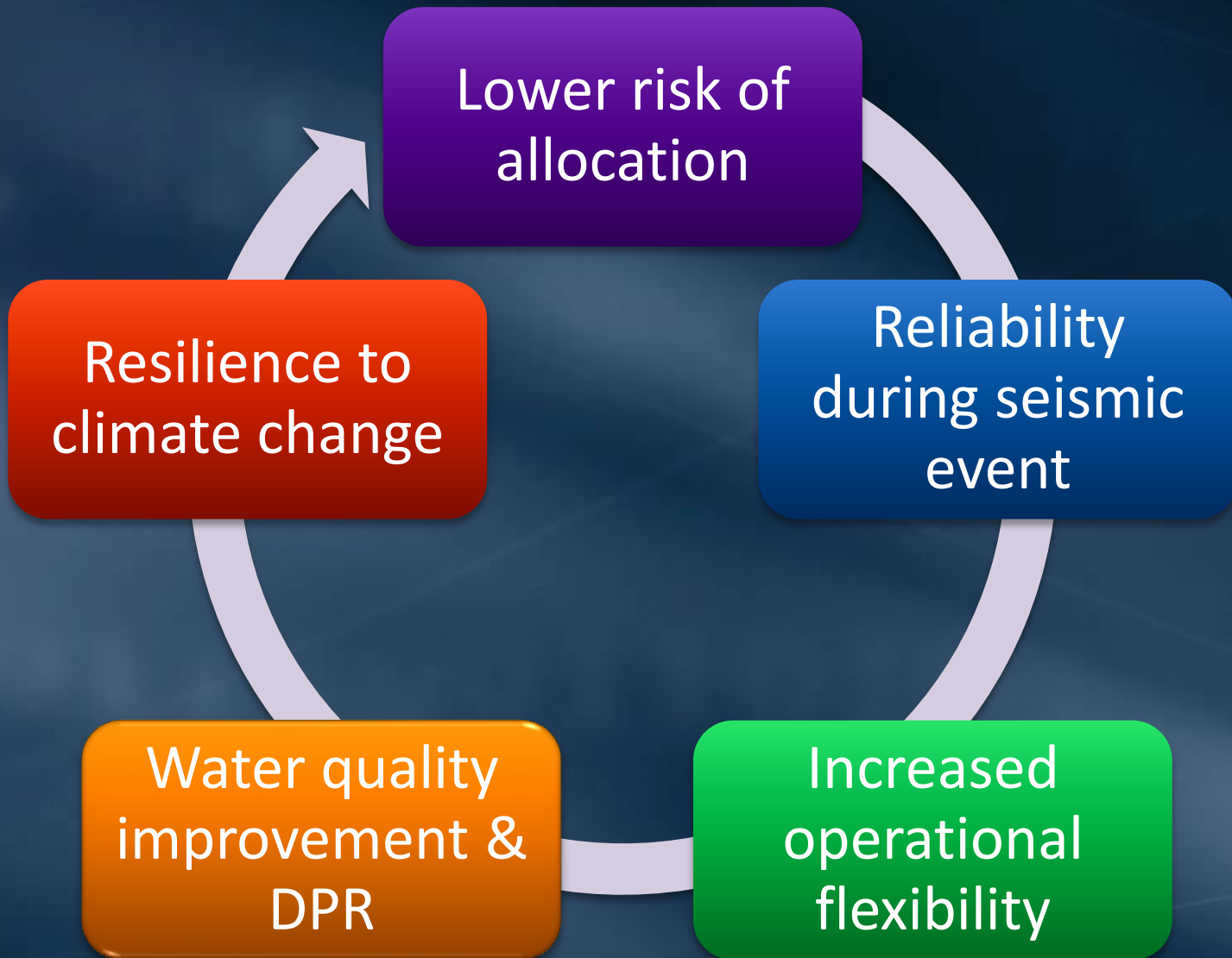
WP#2 – Institutional Arrangements

- WRD
- City of Long Beach
- City of Torrance

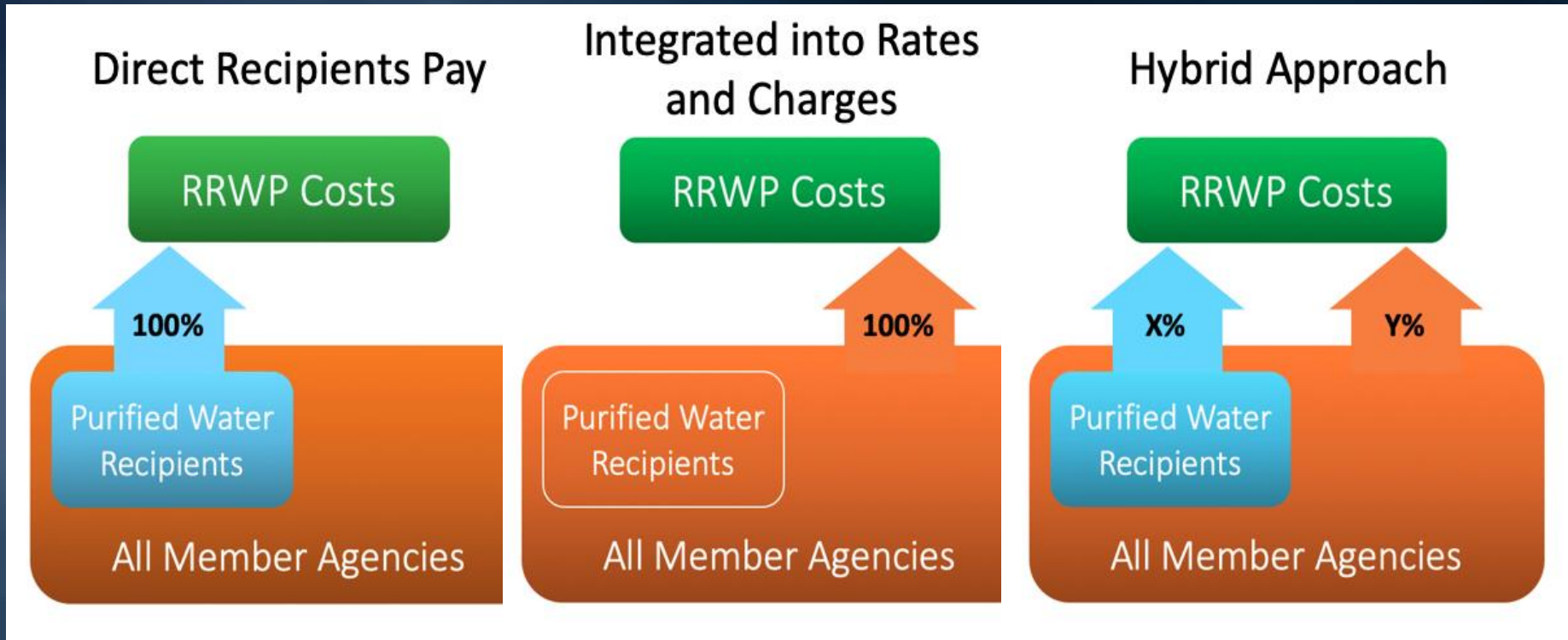
- MSG Watermaster
- Three Valleys MWD
- USGVMWD



WP#2 – Role in Regional Planning



WP#2 - Cost Recovery Approaches



7

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

Board Item 7-3

Environmental Planning

- 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

Planning Objectives

Activity	Objectives
Environmental Planning	<ul style="list-style-type: none">• Program EIR• Project-level analyses for selected components
Engineering & Technical Studies & Support	<ul style="list-style-type: none">• Support the environmental planning process• Further develop Program components
Public Outreach	<ul style="list-style-type: none">• Conduct collaborative & effective outreach program• Encourage public involvement

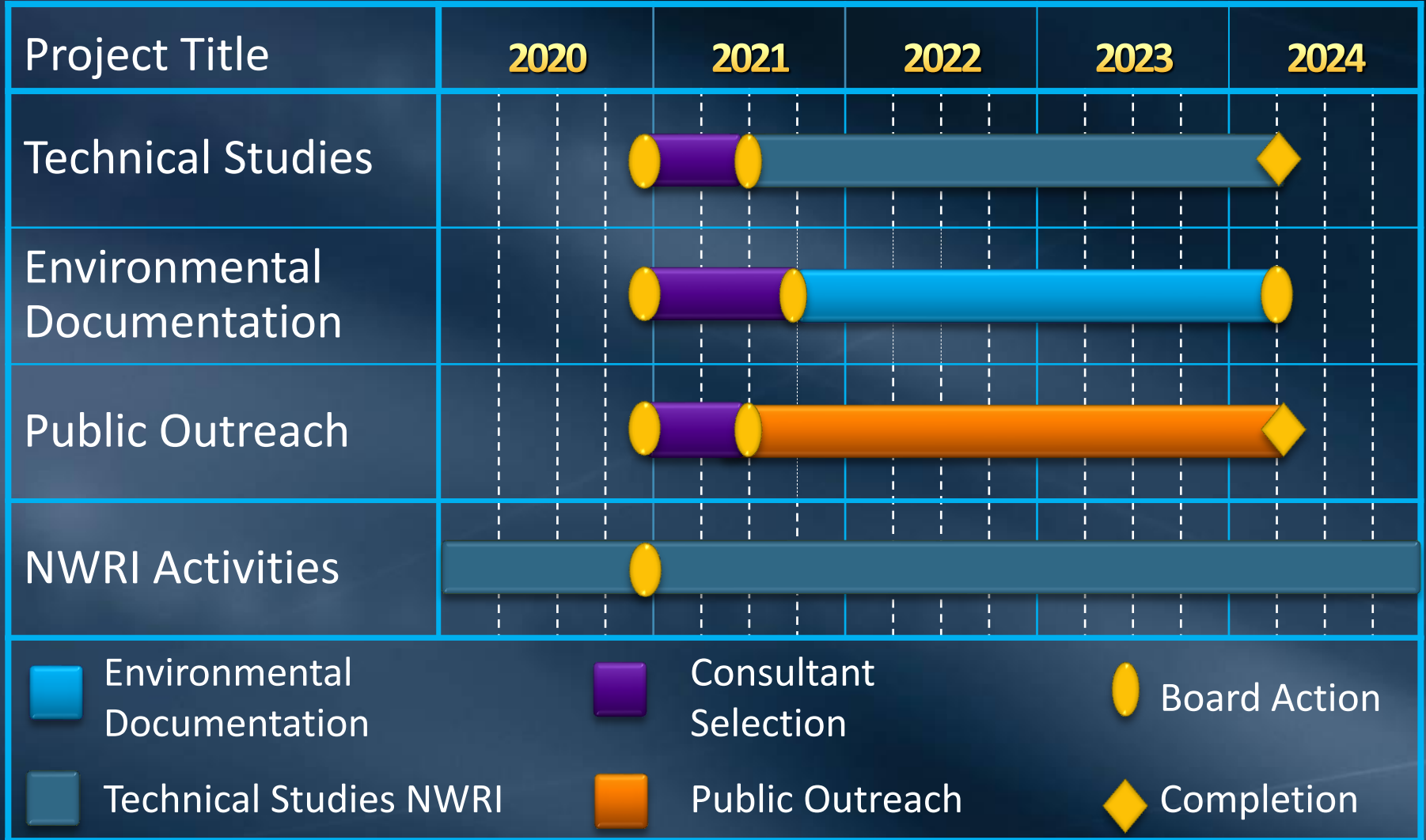
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NWRI Agreement Amendment

- 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

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Environmental Planning Phase Schedule



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.

Board Options – Item 7-3

Environmental Planning and NWRI Agreement Amendment

- 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

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

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LACSD Amendment – Key Terms

- 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

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LACSD Amendment – Key Terms

- Cost allocation established between parties
 - LACSD shared financial contribution directly offsets Metropolitan costs

Type of Contribution	Estimated Contribution
Shared Financial Contribution to Metropolitan <ul style="list-style-type: none">• Participation in environmental evaluation• Conduct technical support activities• Participation in Public Outreach efforts	\$4M - \$5M (estimated)
LACSD Sole Contribution <ul style="list-style-type: none">• Continuation of site remediation activities• Conduct other technical studies	\$6M - \$7M (estimated)
Total	\$10M - \$12M

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SNWA Agreement – Key Terms

- 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

Board Options – Item 7-4

LACSD Agreement Amendment and SNWA Agreement

- 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.

Board Options – Item 7-4

LACSD Agreement Amendment and SNWA Agreement

- 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

