



Engineering, Operations, & Technology Committee

Pure Water Southern California Program Management Support

Item 7-5

January 9, 2023

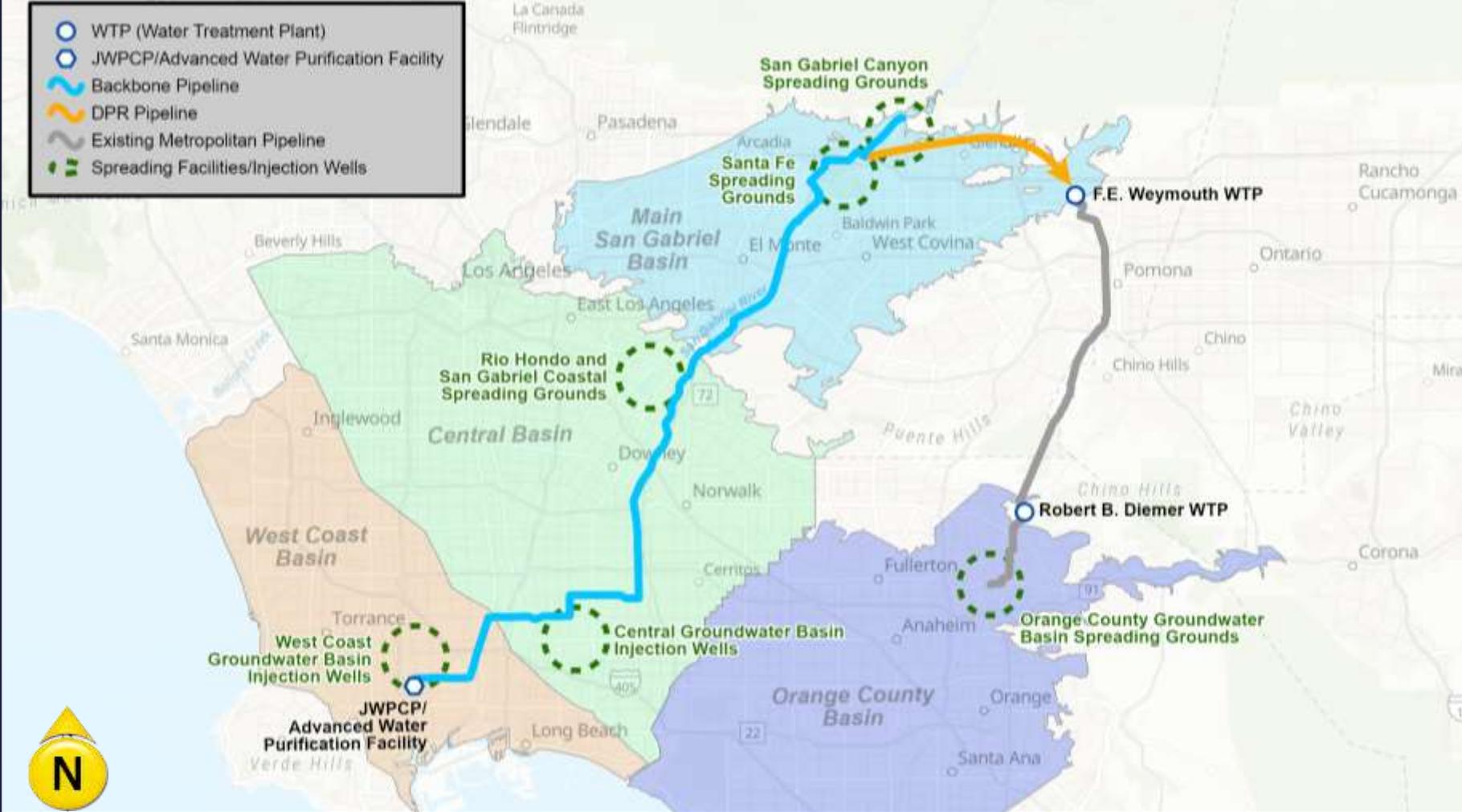
Pure Water
Southern
California
Program
Management
Support

Current Action

- Authorize an agreement with the joint venture of AECOM Technical Services, Inc. & Brown and Caldwell in an amount not to exceed \$25 million for program management services to support the Pure Water Southern California program
- Authorize an increase of \$950,000 to an existing agreement with CDM Smith, Inc. for a not-to-exceed total of \$3.7 million to support the program's ongoing process demonstration effort

Program Overview

Pure Water Southern California Program Management Support



Pure Water
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Background – Early Implementation Activities

- December 2022 – Board authorized use of \$80 million grant funding from State
 - Key early activity – development of program management team to advance program
 - Design of initial conveyance pipeline reaches
 - Planning, optimization and design of advanced water purification facility site
 - Continuing operations & testing of demonstration facility

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Joint Venture AECOM & Brown and Caldwell - New Agreement

- Selected under Request for Proposal No. 1330
- NTE amount: \$25,000,000
- Three-year term
- SBE participation level: 25%

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Joint Venture AECOM & Brown and Caldwell – New Agreement

- Assist Metropolitan with developing:
 - Program implementation strategies
 - Opportunities for alternative project delivery
 - Cost, schedule, & budget reporting functions
 - Program/project-level risk identification and mitigation
 - Additional program management tasks on as-needed basis

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Demonstration
Testing
Support

Background – Demonstration Testing Support

- August 2021 – Board authorized agreement with CDM Smith for support of engineering & technical studies at demo plant
- Demonstration testing is critical in selecting treatment train & confirming feasibility of full-scale program
- Secondary MBR testing & technical studies associated with the EIR are currently underway



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Demonstration
Testing
Support

CDM Smith, Inc. – Agreement Amendment

- Scope of Work
 - Complete secondary MBR testing
 - Support overall operations & maintenance of the demonstration plant
- Additional funds required
 - Transitioning from tertiary MBR to secondary MBR required equipment & programming changes
 - Secondary MBR pretesting period was extended to ensure a stable biological process & proper functioning of equipment & instrumentation

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Testing
Support

CDM Smith, Inc. - Agreement Amendment

- Selected under Request for Proposal No. 1274
- SBE participation level: 25%
- Recommended increase to agreement: \$950,000
- New NTE amount: \$3,700,000

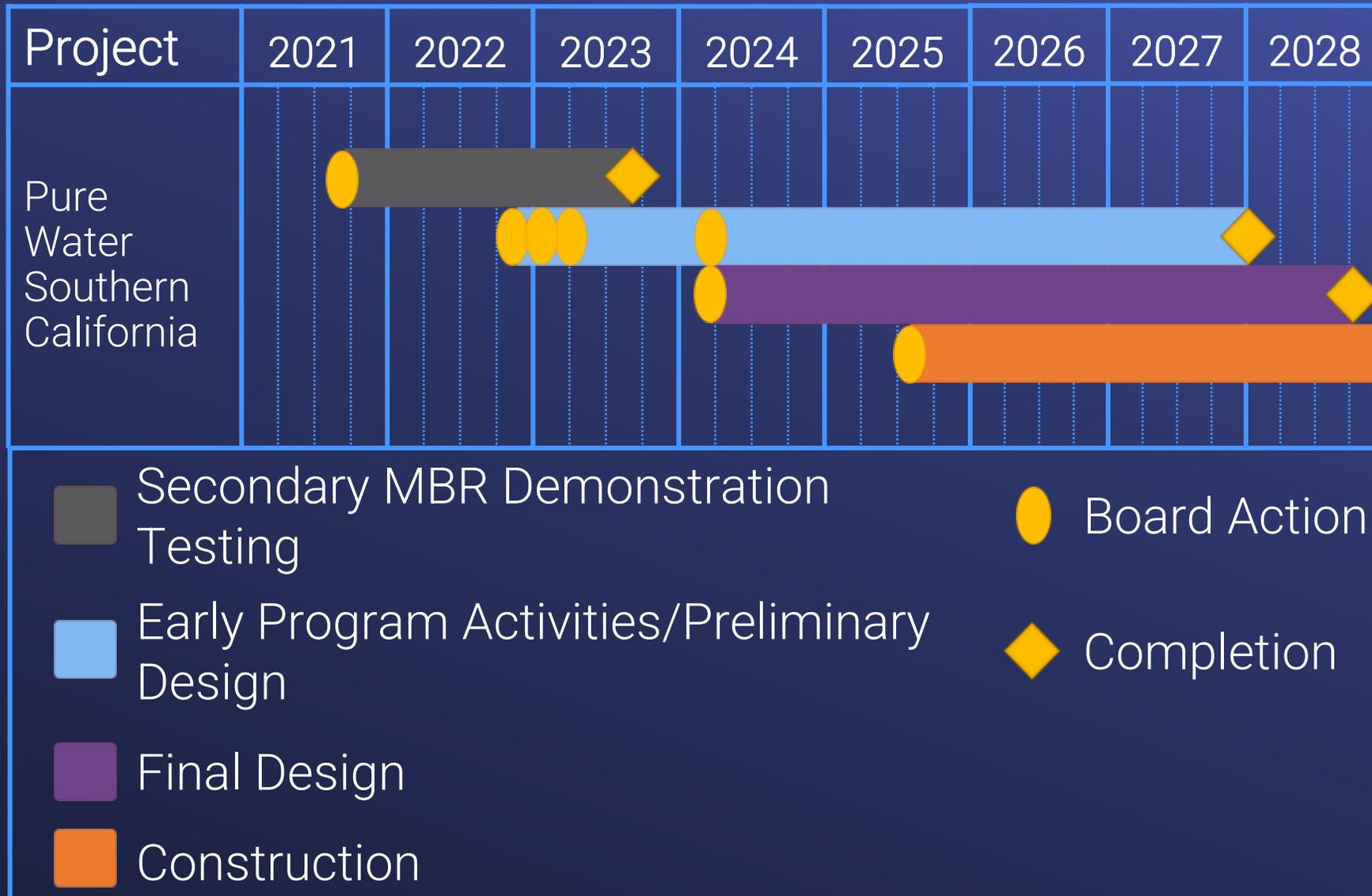


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Testing

Alternatives Considered

- Program Management
 - Metropolitan staff initially assigned to program management team
 - Consultant to provide specialized skills
 - Program management team will start quickly & ramp up over time as workload increases
- Demonstration Testing
 - Continue use of consultants for specialized technical expertise

Project Schedule



Board Options

- Option #1
 - a. Authorize an agreement with the joint venture of AECOM Technical Services, Inc. and Brown and Caldwell in an amount not to exceed \$25 million for program management services to support the Pure Water Southern California program.
 - b. Authorize an increase of \$950,000 to an existing agreement with CDM Smith, Inc. for a not-to-exceed total of \$3.7 million to support the Program's ongoing process demonstration effort.
- Option #2

Do not proceed with the agreements at this time.

Staff Recommendation

- Option #1

