



Engineering, Operations, & Technology Committee

Sepulveda Feeder Pump Stations – Long-lead Equipment Procurement

Item 8-1

September 9, 2024

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Sepulveda Feeder Pump Stations – Long-lead Equipment Procurement

Subject

Authorize a \$40 million increase to an existing agreement with J.F. Shea Construction Inc., to purchase long-lead equipment for the Sepulveda Feeder Pump Stations project, for a new not-to-exceed amount of \$50.4 million

Purpose

To improve the supply reliability for State Water Project-dependent areas

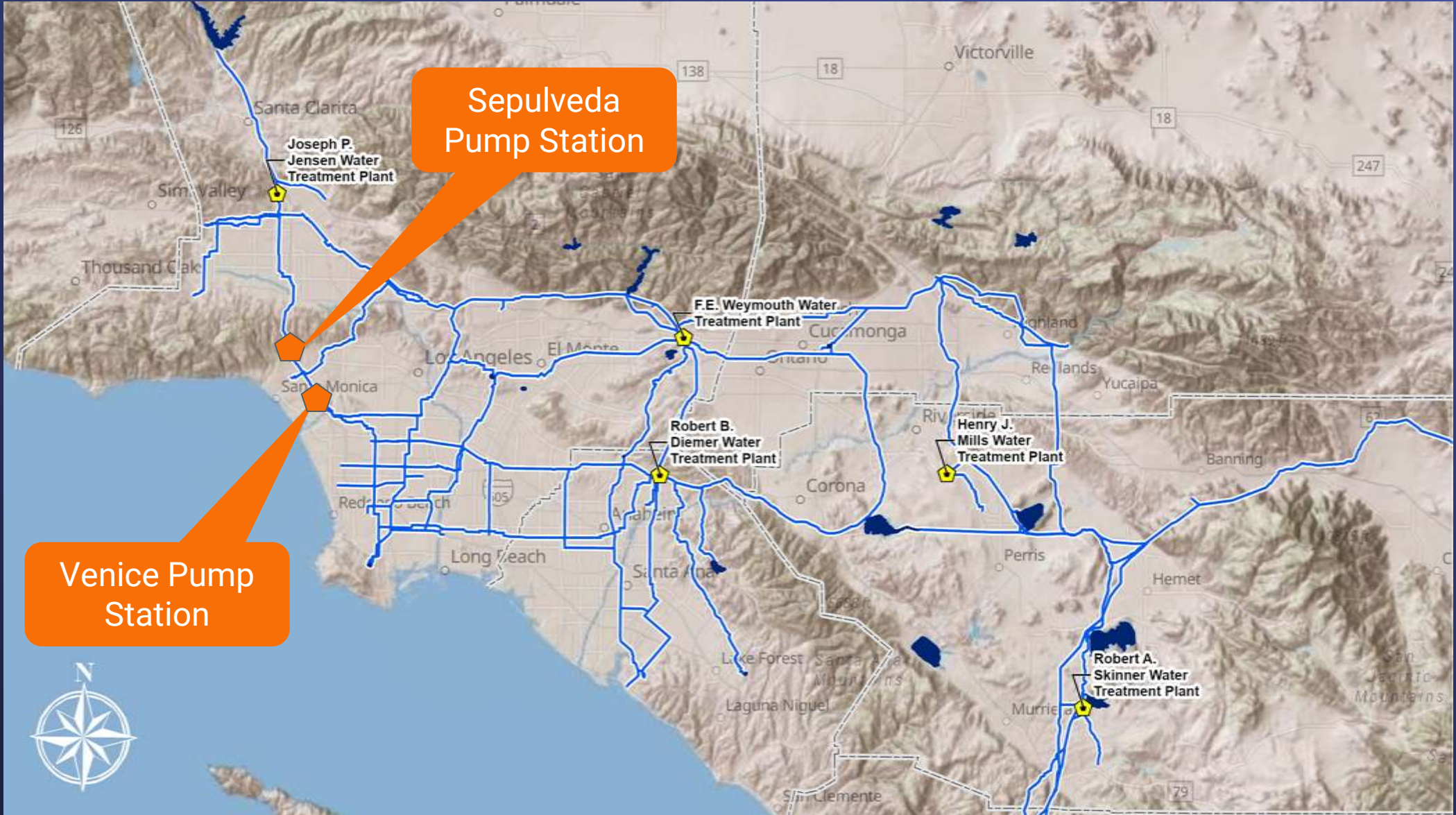
Recommendation and Fiscal Impact

Authorize an increase to an existing Progressive Design Build (PDB) agreement for the Sepulveda Feeder Pump Stations project

Fiscal Impact of \$40 M

Budgeted

Location Map



Sepulveda Feeder Pump Stations Long-lead Equipment Procurement

Background

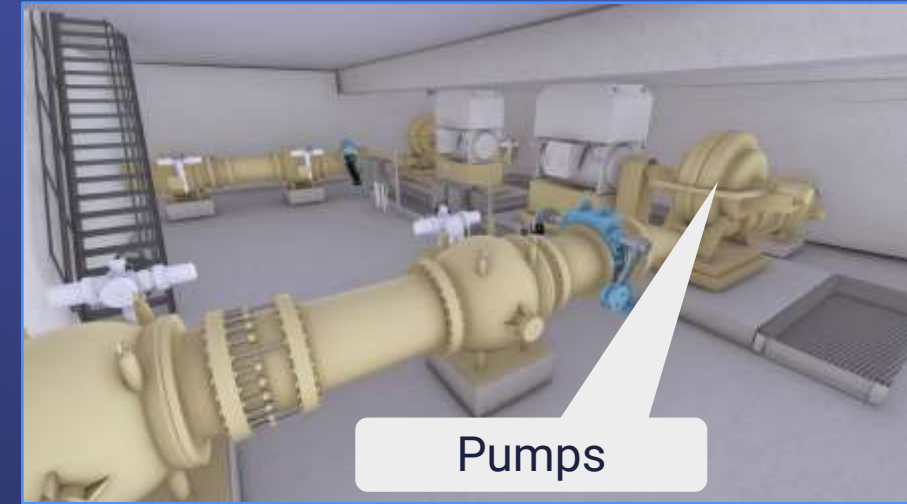
- Addition of pump stations at Sepulveda Canyon & Venice Pressure Control Facilities will allow Metropolitan to reverse normal flow in the Sepulveda Feeder
- Augments treated water deliveries to west service area
- Initial hydraulic capacity of pump stations of 30 cfs
- Enhances reliability of water supplies in the west area as well as increases overall system flexibility



Sepulveda Pump Station Layout Rendering

Project Scope

- Two new pumping plants on the Sepulveda Feeder
- Project components
 - Pumps, motors, & interconnection piping
 - Valve structures
 - Mechanical eqpt. for surge protection
 - Electrical modifications & switchgear
 - Electrical & control buildings



Sepulveda Pump Station Vault Rendering



Venice Pump Station Layout Rendering

Sepulveda
Feeder Pump
Stations
Long-lead
Equipment
Procurement

Alternatives Considered

- Traditional procurement by Metropolitan staff
 - Competitive bidding would delay completion of project by up to two years
- Wait until guaranteed maximum price (GMP) is established before starting procurement
 - Delays project completion
- Selected Alternative - PDB Contractor purchases long-lead equipment
 - PDB contractor procures equipment directly on a best-value basis
 - Early procurement expedites project schedule

Allocation of Funds

Sepulveda Feeder Pump Stations

Contracts

J.F. Shea Construction Inc.

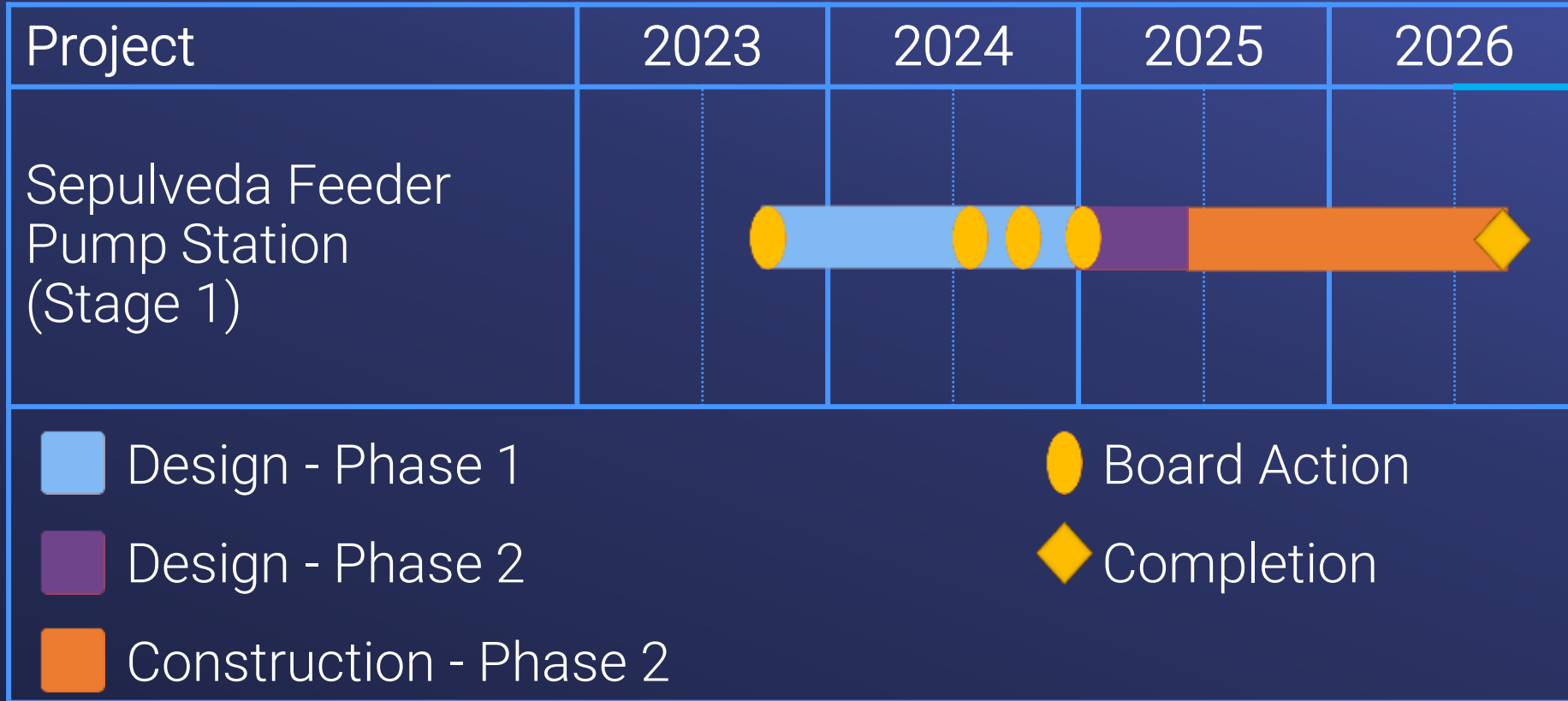
4 Pumps (2600 to 2800 hp)	\$ 13,400,000
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19 Valves (24- to 54-inch-diam.)	20,400,000
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Electrical Switchgear & MCC's	6,200,000
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Total	\$ 40,000,000
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Project Schedule



Board Options

- Option #1

Authorize a \$40 million increase to an existing design-build services agreement with J.F. Shea Construction Inc. to purchase long-lead equipment for the Sepulveda Feeder Pump Stations project for a new not-to-exceed amount of \$50.4 million.

- Option #2

Do not proceed with the procurement at this time.

Staff Recommendation

- Option #1

