



Engineering, Operations, & Technology Committee

Jensen Solids Mechanical Dewatering Facility

Item 7-4

April 7, 2025

Item 7-4 Jensen Solids Mechanical Dewatering Facility

Subject

Authorize an increase of \$3.3 million to an existing agreement with Stantec Consulting Services, Inc. for a new not-to-exceed total amount of \$4.99 million for final design of a mechanical dewatering facility at the Joseph Jensen Water Treatment Plant

Purpose

Improve the reliability and flexibility of solids handling at the Jensen plant

Recommendation and Fiscal Impact

Authorize an amendment to an existing agreement for final design of a mechanical dewatering facility at the Jensen plant

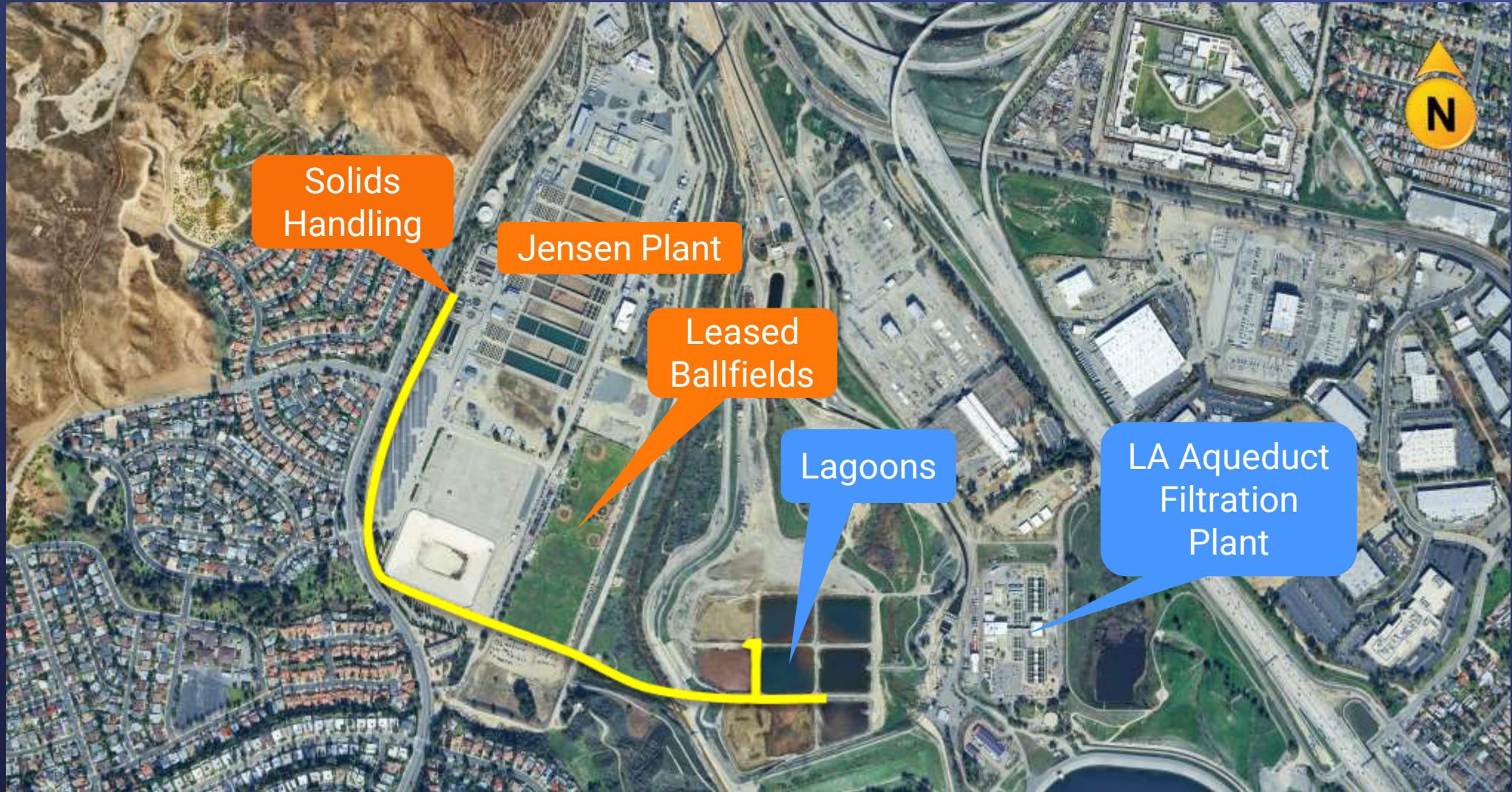
Fiscal Impact – \$5.4 Million

Budgeted

Location Map



Current Solids Handling



Current Use Agreements with Los Angeles

- Ballfields 50-year lease
- Lagoons 2 & 3: through 2033 or until dewatering facility is operational
 - Facility needed to meet the Jensen plant's long-term solids handling needs
- Lagoons 7 & 8: through 2062



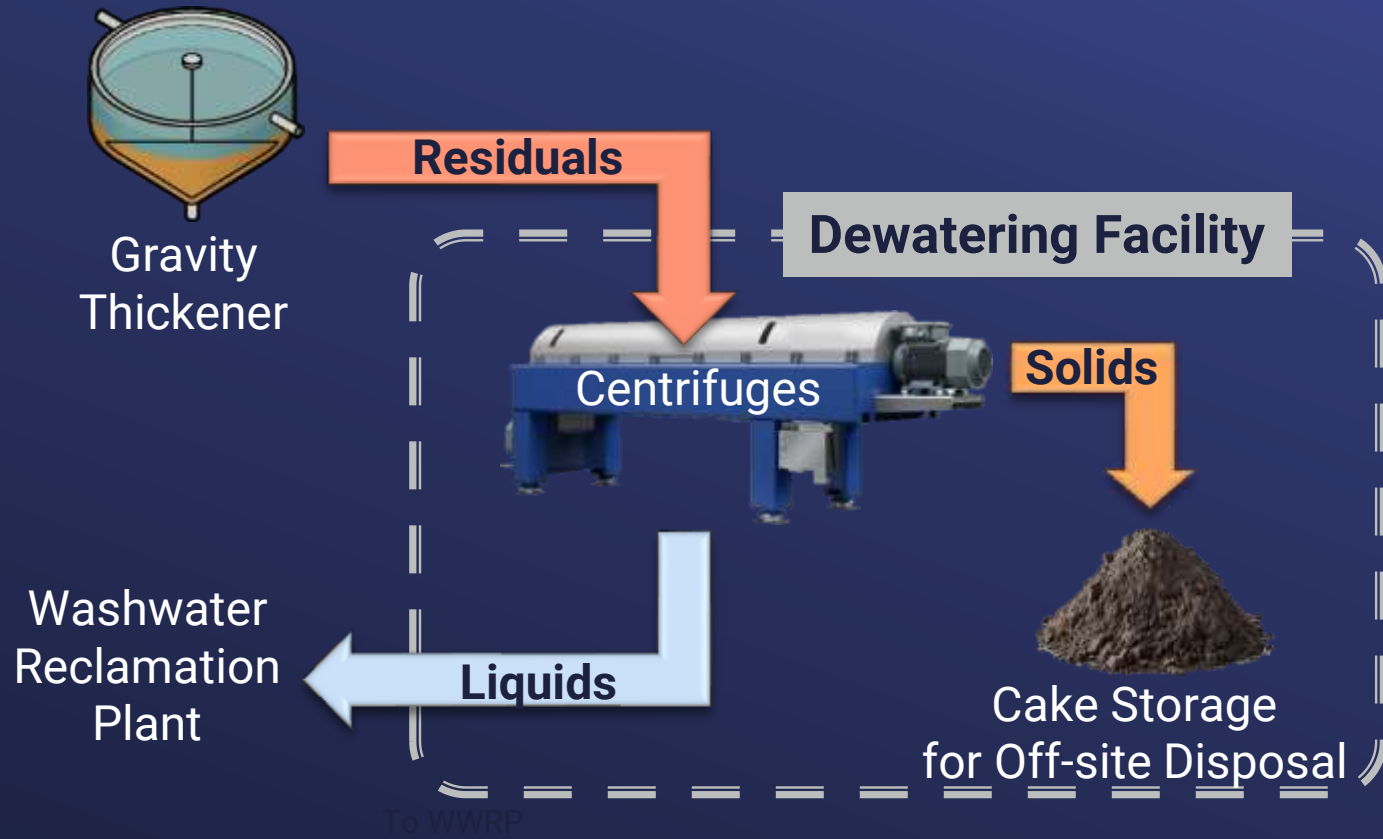
Planned Improvements

- Mechanical dewatering facility
 - Centrifuges selected based on footprint & operational reliability
 - Facility to handle 99% of operational conditions
 - Use of Lagoons 7 & 8 limited to high plant flow & peak turbidity conditions
- Develop ground improvements for soil stabilization



Castaic Lake – January 2023

Proposed Dewatering Facility



Process Flow Diagram for Mechanical Dewatering



Centrifuges at OC Sanitation District

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Stantec Consulting Services Inc. – Agreement

- Competitively selected under RFP No. 1302 for design services
- Recommended amendment
 - Perform final design
 - Preparation of drawings & specifications
 - Construction cost estimate
- Amendment amount: \$3.3 M
 - New NTE amount: \$4.99 M
- SBE participation level: 25%

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Alternatives Considered

- Considered Alternative – Metropolitan staff to complete all final design activities
 - Resource needs exceed staff availability, additional specialized expertise required
- Selected Alternative – Use both a professional services agreement to perform specialized portions of design & Metropolitan staff to perform instrumentation/control system design

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Scope of Work – Metropolitan Staff

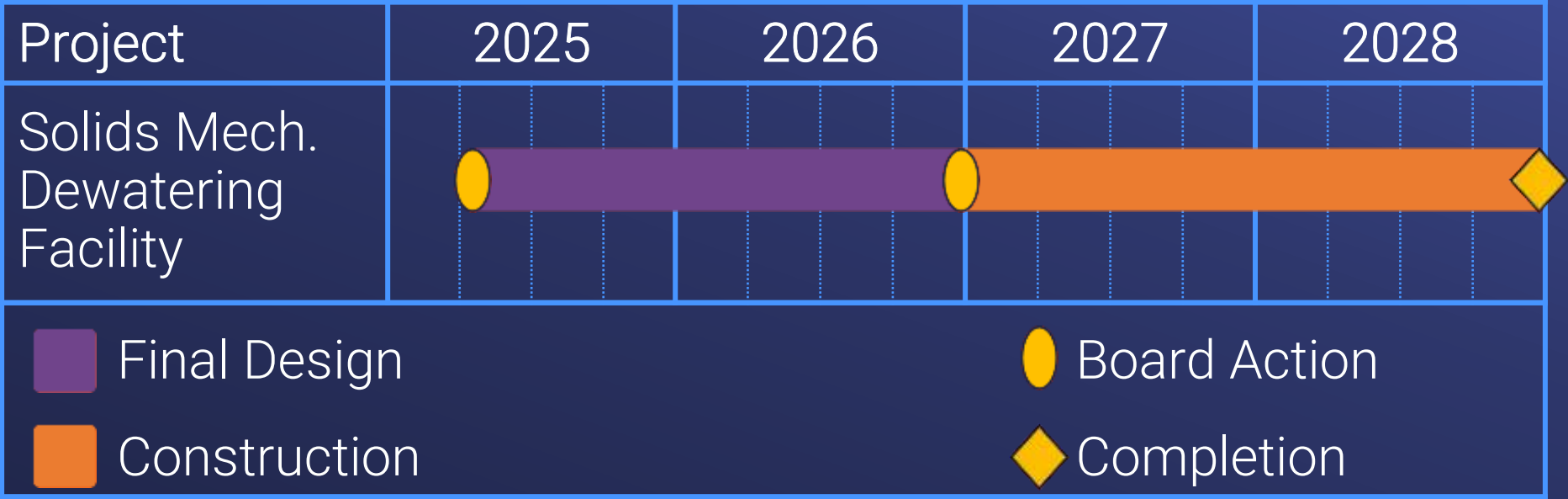
- Final design
 - Preparation of drawings & specifications
 - Technical oversight of consultant
- Environmental support
- Value engineering
- Project management
 - Agreement administration

Allocation of Funds

Jensen Solids Mechanical Dewatering

Metropolitan Labor	
Final Design	\$ 700,000
Owner Costs (Proj. Mgmt., Agrmt. Admin., Envir. Support)	550,000
Professional/Technical Services	
Stantec Consulting Services Inc.	3,300,000
Geotechnical Investigations & Value Engineering	400,000
Remaining Budget	450,000
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Total	\$ 5,400,000

Project Schedule – Jensen Solids Mechanical Dewatering



Board Options

- Option #1

Authorize an increase of \$3.3 million to an existing agreement with Stantec Consulting Services Inc. for a new not-to-exceed total amount of \$4.99 million for final design of a mechanical dewatering facility at the Jensen plant.

- Option #2

Do not proceed with the project at this time.

Staff Recommendation

- Option #1

