



Engineering, Operations, & Technology Committee

La Verne Program EIR and Water Quality Laboratory Equipment

Item 7-1

April 8, 2024

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La Verne Program EIR & Water Quality Laboratory Equipment Procurement

Subject

Certify the Final Program Environmental Impact Report (Final Program EIR) for the F.E. Weymouth Water Treatment Plant and La Verne Site Improvements Program and take related CEQA actions; and award three procurement contracts to furnish water quality equipment for Metropolitan's Water Quality Laboratory

Purpose

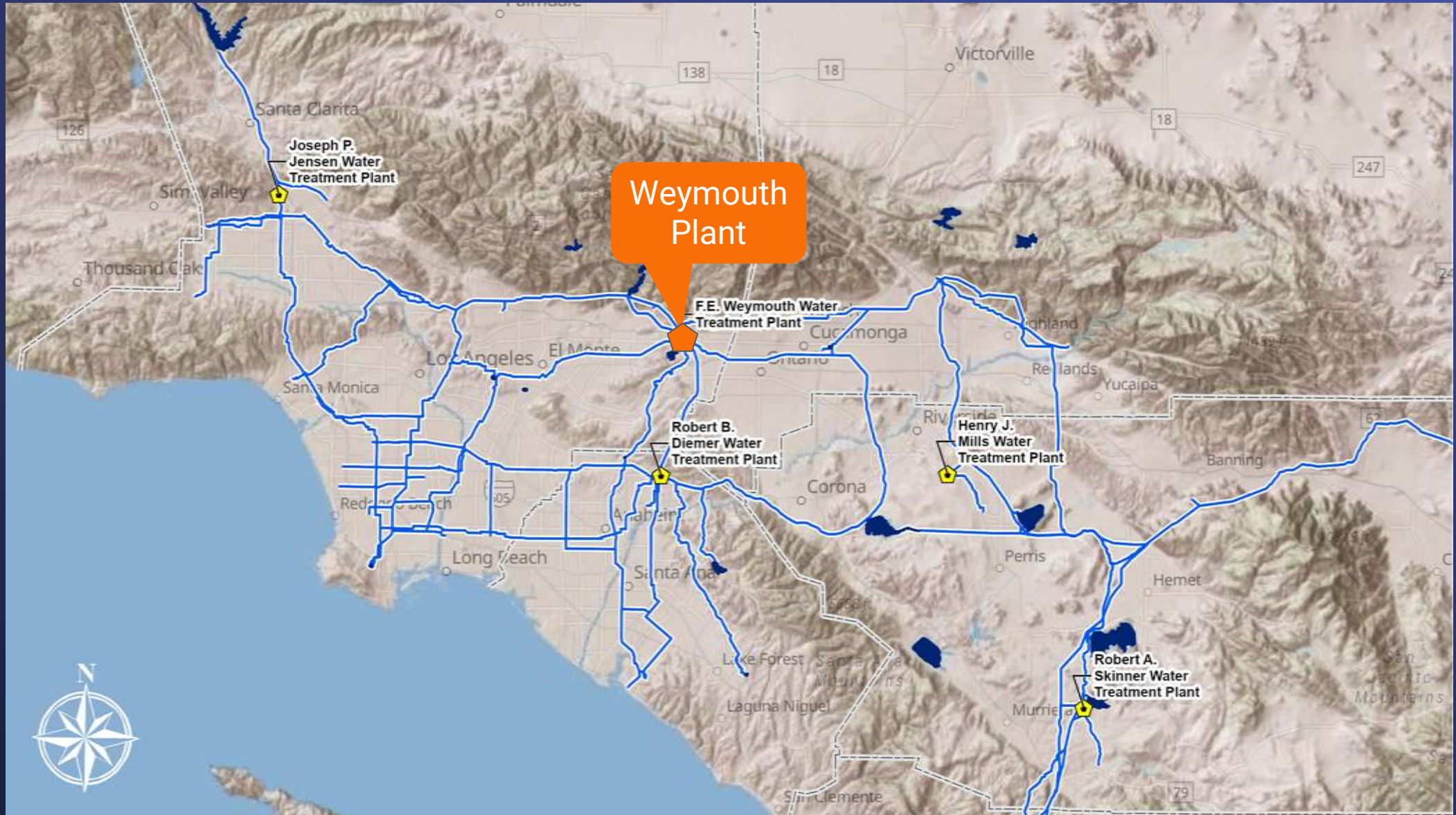
Advance critical projects at the La Verne Site with certification of the Final Program EIR and furnish the central Water Quality Laboratory with equipment required to maintain drinking water regulatory requirements

Recommendation and Fiscal Impact

Certify the Final Program EIR and award three procurement contracts
Fiscal Impact of \$2.98 M

Budgeted

Location Map



La Verne Program EIR & Water Quality Laboratory Equipment

Weymouth & La Verne Site Program EIR

- Environmental documentation required for six upcoming improvement projects
- Program EIR preparation authorized in February 2022



Admin. Building



Field Engineering Bldg.



La Verne Warehouse

Projects included in the Program EIR



Program EIR Process



Weymouth & La Verne Program EIR – Certification

- Draft Program EIR
- Final Program EIR
 - Mitigation Monitoring & Reporting Program
 - Air Quality, Cultural Resources, Noise & Traffic
- Findings of Fact
- Statement of Overriding Considerations
 - Noise



Oct 2023 Community Meeting

La Verne Program EIR & Water Quality Laboratory Equipment

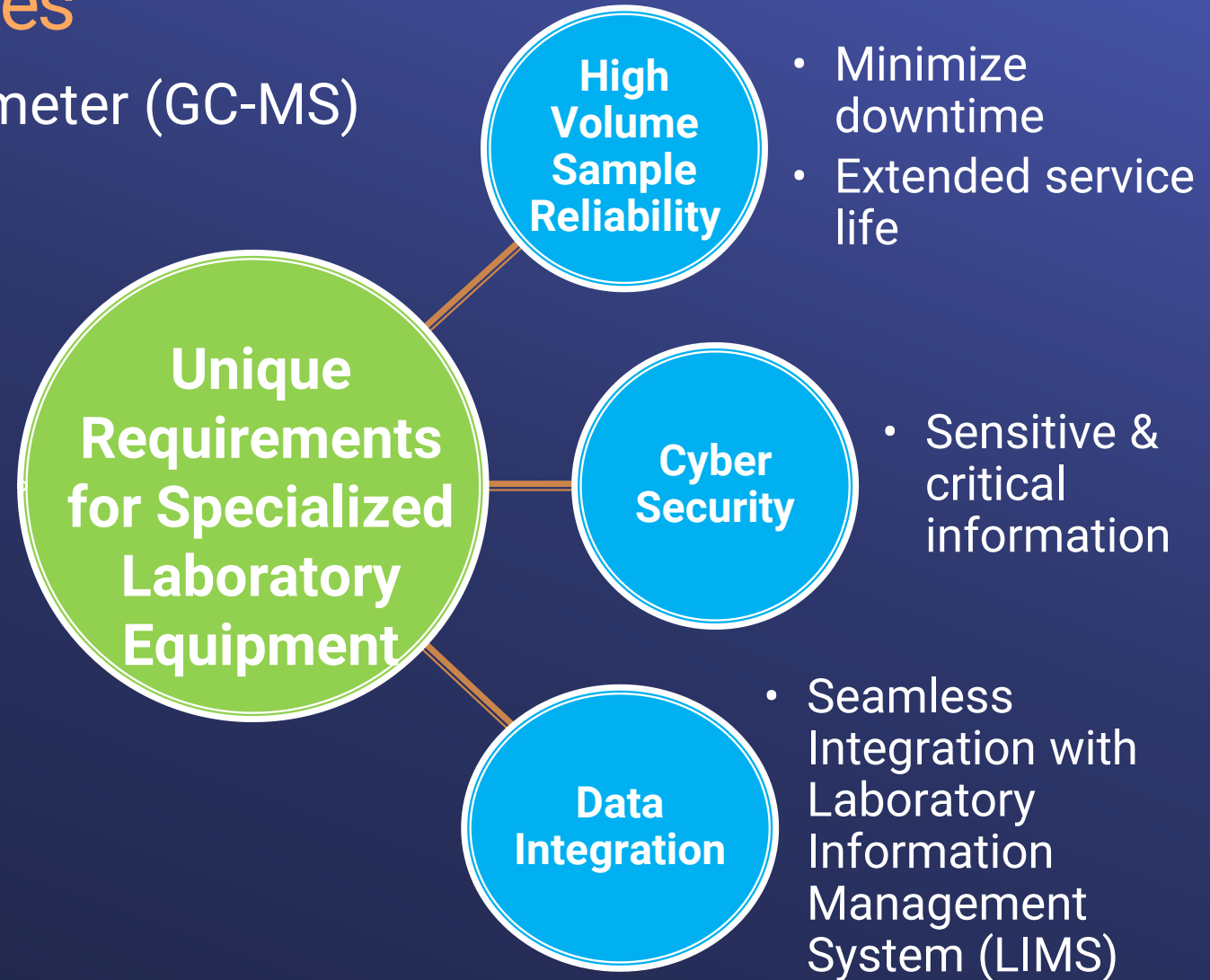
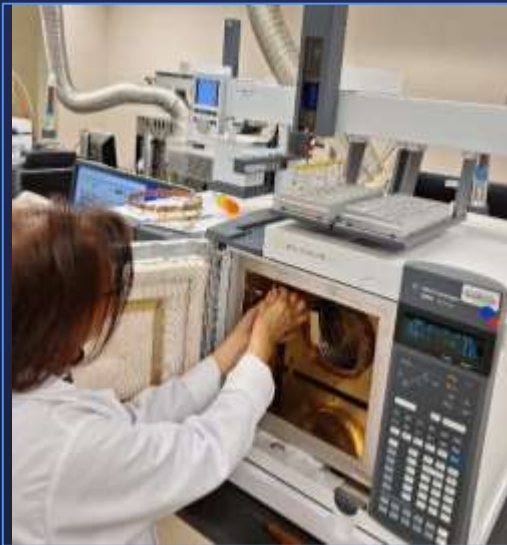
Water Quality Testing & Monitoring

- High Volume Analysis
 - 300,000 - 350,000 analytical results per year
- Samples processed from Metropolitan's entire system
 - Source waters, treatment plants, distribution system, shutdowns, repairs
- Equipment becomes increasingly difficult to maintain & unreliable near end of expected useful life



Major Laboratory Equipment for Immediate Replacement and to Prepare for Emerging Challenges

- Gas chromatography mass spectrometer (GC-MS)
- GC-MS solid phase microextraction
- Ion chromatography (IC)
- Liquid chromatography mass spectrometer (LC-MS)



La Verne PEIR & Water Quality Laboratory Equipment

Alternatives Considered

- Replace equipment after completing the planned water quality building upgrades in 2030
 - Procurement delayed 5+ years
 - Increased risk of failing to meet regulatory compliance monitoring requirements
 - Unprepared for future monitoring requirements
- Selected Alternative – phased procurement
 - Address equipment with immediate need
 - Install remainder after construction

La Verne PEIR & Water Quality Laboratory Equipment

Scope of Work - Procurement

- Furnish water quality equipment for Water Quality Laboratory per Admin. Code §8140(1)d
 - Two gas chromatograph-mass spectrometer units
 - Two gas chromatograph-mass spectrometer/solid phase micro extraction units
 - One liquid chromatograph-mass spectrometer unit
 - Four ion chromatograph systems
- Metropolitan actions
 - Install & commission equipment with support from vendors

Allocation of Funds

Water Quality Laboratory Equipment Replacement

Metropolitan Labor	
Owner Costs (Proj. Mgmt.)	\$ 25,000
Contracts	
Agilent Technologies	1,512,882
SCIEX	726,432
Thermo Fisher Scientific	665,441
Remaining Budget	50,245
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Total	\$ 2,980,000

Project Schedule



Board Options

- Option #1
 - a. Certify that the Final PEIR for upcoming projects at the Weymouth plant has been completed in compliance with CEQA and the State CEQA Guidelines; certify that the Board has reviewed and considered the information presented in the Final PEIR; certify that the Final PEIR reflects Metropolitan's independent judgment and analysis; and adopt the Findings, the Statement of Overriding Considerations, and the Mitigation Monitoring and Reporting Program.
 - b. Award three procurement contracts to furnish water quality compliance laboratory equipment for Metropolitan's Water Quality Laboratory, as follows:
 - (1) A \$1,512,882 contract to Agilent Technologies to furnish two GC-MS units and two GC-MS/solid phase microextraction units.
 - (2) A \$726,432 contract to SCIEX to furnish one LC-MS unit.
 - (3) A \$665,441 contract to Thermo Fisher Scientific to furnish four ion chromatography units.

Board Options

- Option #2
 - a. Certify that the Final PEIR for upcoming projects at the Weymouth plant has been completed in compliance with CEQA and the State CEQA Guidelines; certify that the Board has reviewed and considered the information presented in the Final PEIR; certify that the Final PEIR reflects Metropolitan's independent judgment and analysis; and adopt the Findings, the Statement of Overriding Considerations, and the Mitigation Monitoring and Reporting Program.
 - b. Do not proceed with the equipment procurement at this time.
- Option #3
 - a. Do not certify the Final PEIR for upcoming projects at the Weymouth plant.
 - b. Do not proceed with the equipment procurement at this time.

Staff Recommendation

- Option #1

