



Engineering, Operations, and Technology Committee

Prestressed Concrete Cylinder Pipe Inspections

Item 7-2

July 13, 2026

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Prestressed Concrete Cylinder Pipe Inspections

Subject

Authorize an increase of \$2,750,000 to an existing agreement with Pure Technologies U.S. Inc. for a new not-to-exceed amount of \$9,750,000 for inspections and analysis of Prestressed Concrete Cylinder Pipe

Purpose

Perform additional inspections and pipeline assessments under the fifth cycle of PCCP inspections to enable monitoring and prioritization of PCCP rehabilitation work

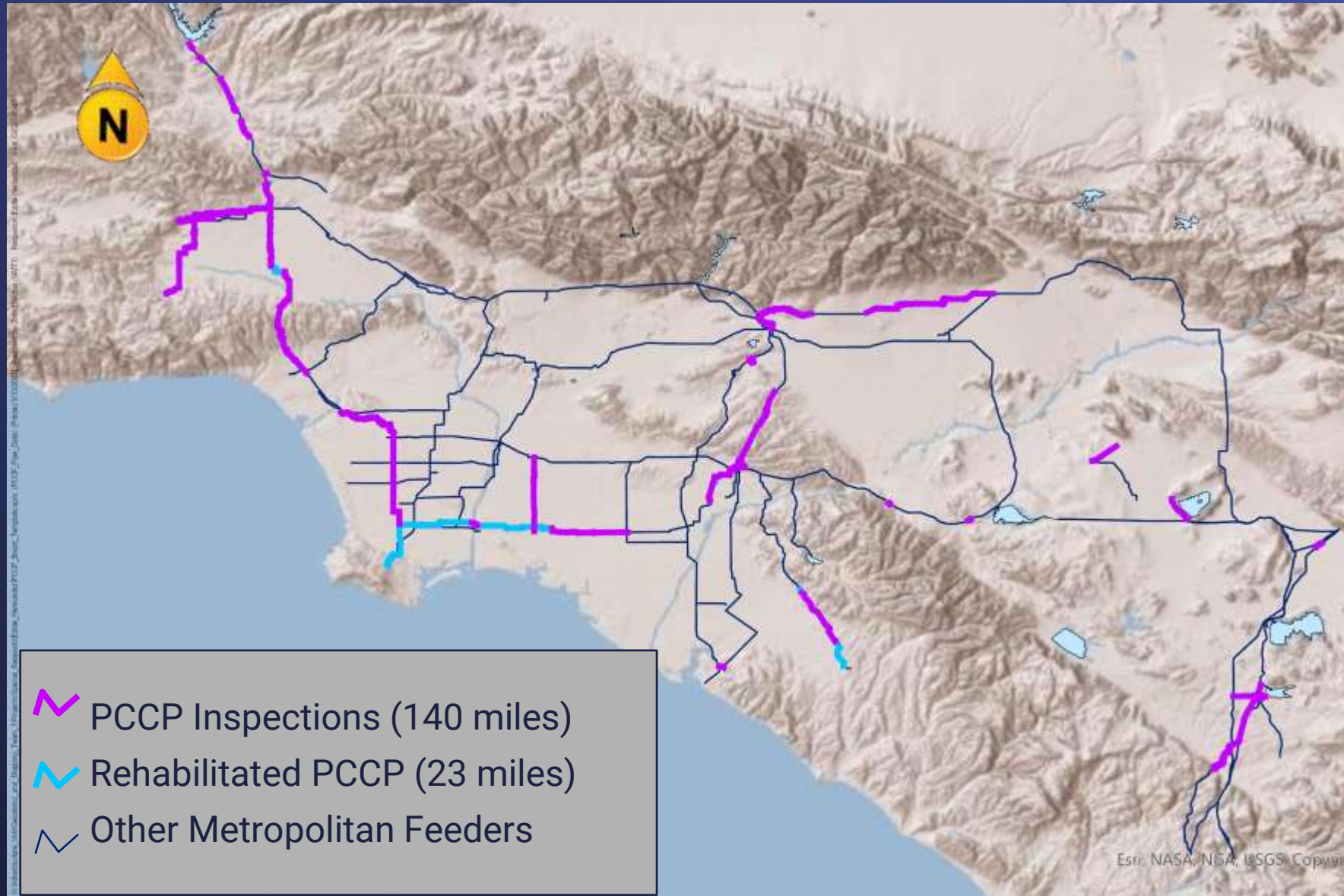
Recommendation and Fiscal Impact

Authorize increase to an existing agreement with Pure Technologies U.S. Inc.

Fiscal Impact – \$3.1 Million

Budgeted

Distribution System



PCCP Management Strategy

- Continue regular inspection and monitoring
 - Visual and electromagnetic inspections
 - Investigate new technologies
- Monitor stray currents and install drain stations where necessary
- Rehabilitate distressed segments
- Plan and execute long-term rehabilitation
 - Identify and prioritize reaches
 - Reline or replace pipelines based on priority of individual reaches
 - Adjust priorities as needed



Second Lower Feeder Relining

Prestressed Concrete Cylinder Pipe Inspections

- Inspection Status
 - Electromagnetic and visual inspections conducted annually
 - Approximate 5-year inspection cycle
 - 120 miles inspected under 5th inspection cycle
 - Data used to prioritize pipeline rehabilitation



Electromagnetic Inspection

Prestressed Concrete Cylinder Pipe Inspections

- Remaining 5th inspection cycle work
 - Complete remaining PCCP inspections
 - Inspect Foothill Feeder
 - Re-inspect Allen-McColloch Pipeline



PipeDiver® Tool
For Sepulveda Feeder

PipeDiver® Calibration



Calibration Testing



Calibration of PipeDiver® Tool
For 201-inch Diameter Pipe at Foothill PCS

Prestressed Concrete Cylinder Pipe Inspections

Alternatives Considered

- Considered Alternative – Defer remaining 5th cycle inspections
 - Perform work as part of 6th cycle inspection
 - Forgoes near term opportunity to inspect Foothill Feeder with new technology
- Selected Alternative – Amend existing agreement
 - Takes advantage of planned shutdowns for Foothill Feeder and AMP

Prestressed Concrete Cylinder Pipe Inspections

Pure Technologies U.S. Inc. – Agreement Amendment

- Prequalified under RFQ No. 1313
- Scope of Work
 - Inspect and analyze PCCP
 - Prepare reports and develop risk curves
- Recommended increase to agreement:
\$2,750,000
- New NTE amount: \$9,750,000
- No SBE required

Scope of Work – Metropolitan

- Shutdown planning
- Perform visual inspections
- Analysis of inspection results
- Permitting and project management
- Preparation of RFQ for next solicitation



Prior Sepulveda Feeder Inspection

Allocation of Funds

PCCP Inspections

Metropolitan Labor

Studies & Investigations

\$ 205,000

Owner Costs (Proj. Mgmt., Contract Admin., Envir. Support)

75,000

Professional/Technical Services

Pure Technologies U.S. Inc.

2,750,000

Remaining Budget

70,000

Total \$ 3,100,000

Board Options

- Option #1

Authorize an increase of \$2,750,000 to an existing agreement with Pure Technologies U.S. Inc. for a new not-to-exceed total amount of \$9,750,000 for inspections and analysis of Prestressed Concrete Cylinder Pipe.

- Option #2

Do not proceed with the amendment to the PCCP inspection agreement.

Staff Recommendation

- Option #1

