



Engineering, Operations, & Technology Committee

# Foothill Feeder Valve Replacement

Item 7-6

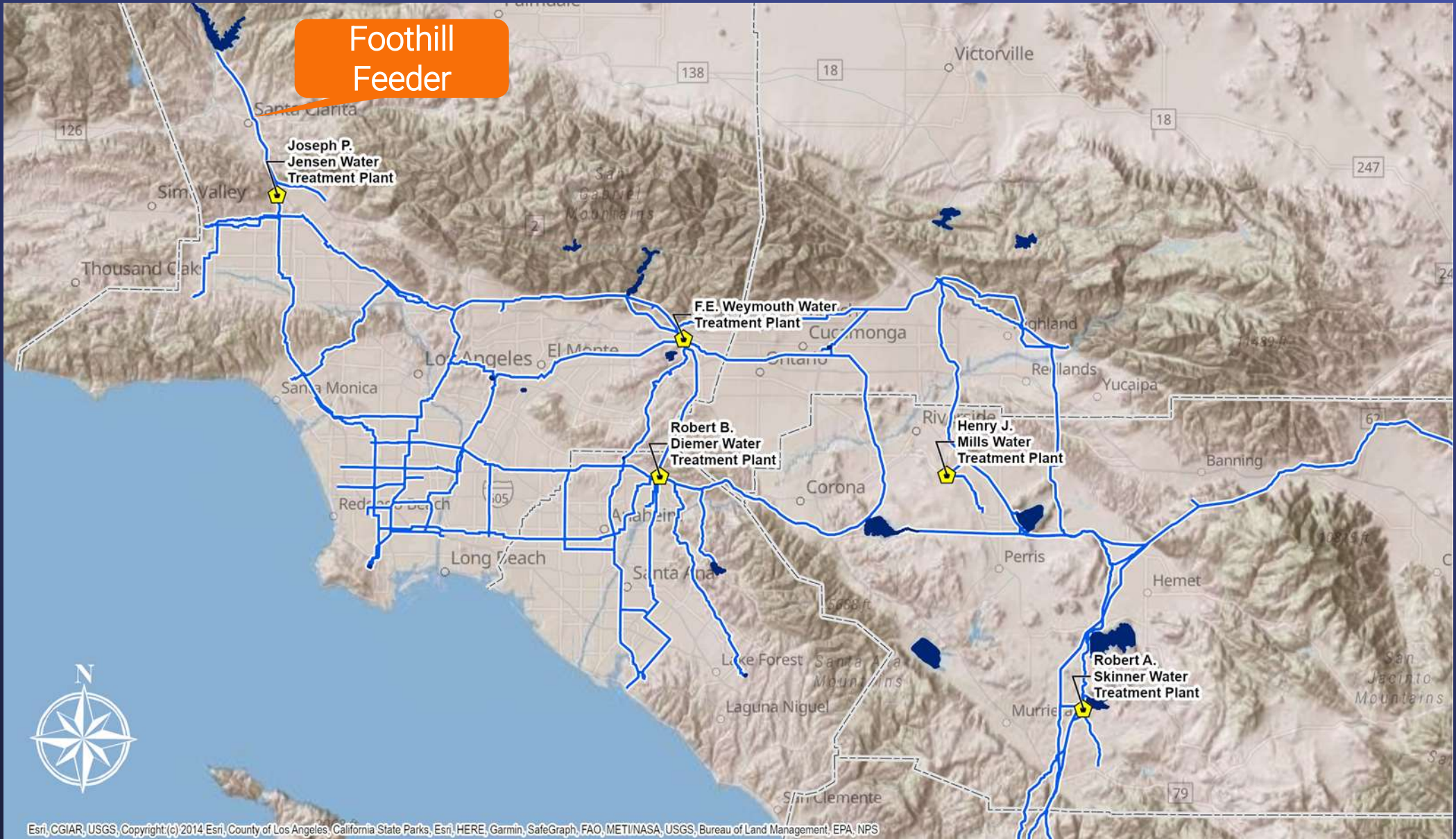
January 9, 2023

# Foothill Feeder Valve Replacement

## Current Action

- Amend the Capital Investment Plan for fiscal years 2022/23 & 2023/24 to include the Foothill Feeder Valve Replacement Project

# Distribution System





# Foothill Feeder Valve Replacement



Existing Corroded Valve

## Background

- April 2022 approval of Capital Investment Plan
  - Authorized all projects included in CIP Appendix
  - Requires Board action to authorize any project(s) not included in CIP Appendix
- Foothill Feeder shutdown recently moved from January 2025 to January 2024
  - Immediate need to start work on this project to meet earlier shutdown date
- Project replaces 14 leaky & deteriorated valves in blowoff structures along the feeder
  - 16-inch valves in service for over 54 years
  - New valves to be installed in January 2024 shutdown

## Foothill Feeder Valve Replacement



New Valve

## Alternatives Considered

- Delay project & include in next CIP
  - Foothill Feeder shutdowns only scheduled every 5 to 7 years (next 2029 to 2032)
  - Lengthy shutdown required due to environmental concerns in Santa Clara River
  - Would require unplanned outage to fix
- Selected Alternative – Replace valves now
  - Reduce risk & impacts of unplanned outage

# Foothill Feeder Valve Replacement

## Scope of Work

- Development & advertisement of valve procurement specification
- Shutdown planning & permitting



# Allocation of Funds

## Foothill Feeder Valve Replacement

Metropolitan Labor	
Studies & Investigations	\$ 17,000
Final Design	63,000
Owners Costs (Proj. Mgmt., Permitting, Envir. Support)	48,000
Remaining Budget	22,000
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	Total \$ 150,000

# Project Schedule





# Board Options

- Option #1

Amend the Capital Investment Plan for fiscal years 2022/2023 and 2023/2024 to include the Foothill Feeder Valve Replacement project.

- Option #2

Do not proceed with the project at this time.

# Staff Recommendation

- Option #1

