



Engineering & Operations Committee

# Orange County Feeder Lining Replacement

Item 7-6

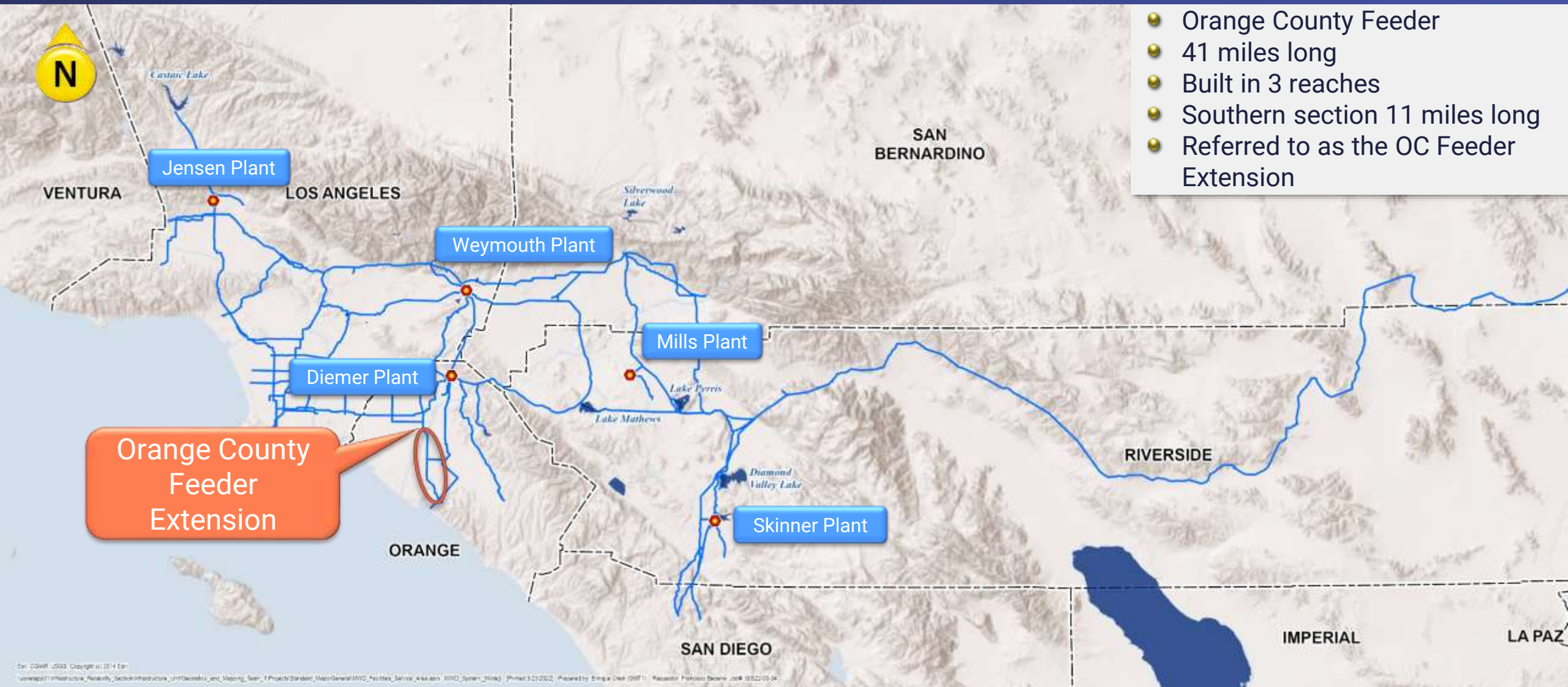
April 11, 2022

## Orange County Feeder Lining Replacement

### Current Action

- Award a \$17,226,250 contract to Spiniello Infrastructure West, Inc. to replace the lining in a portion of the Orange County Feeder
- Authorize the General Manager to enter into a new 24-month lease agreement, in an amount not-to-exceed \$360,000, for use as a construction staging and storage site

# Distribution System





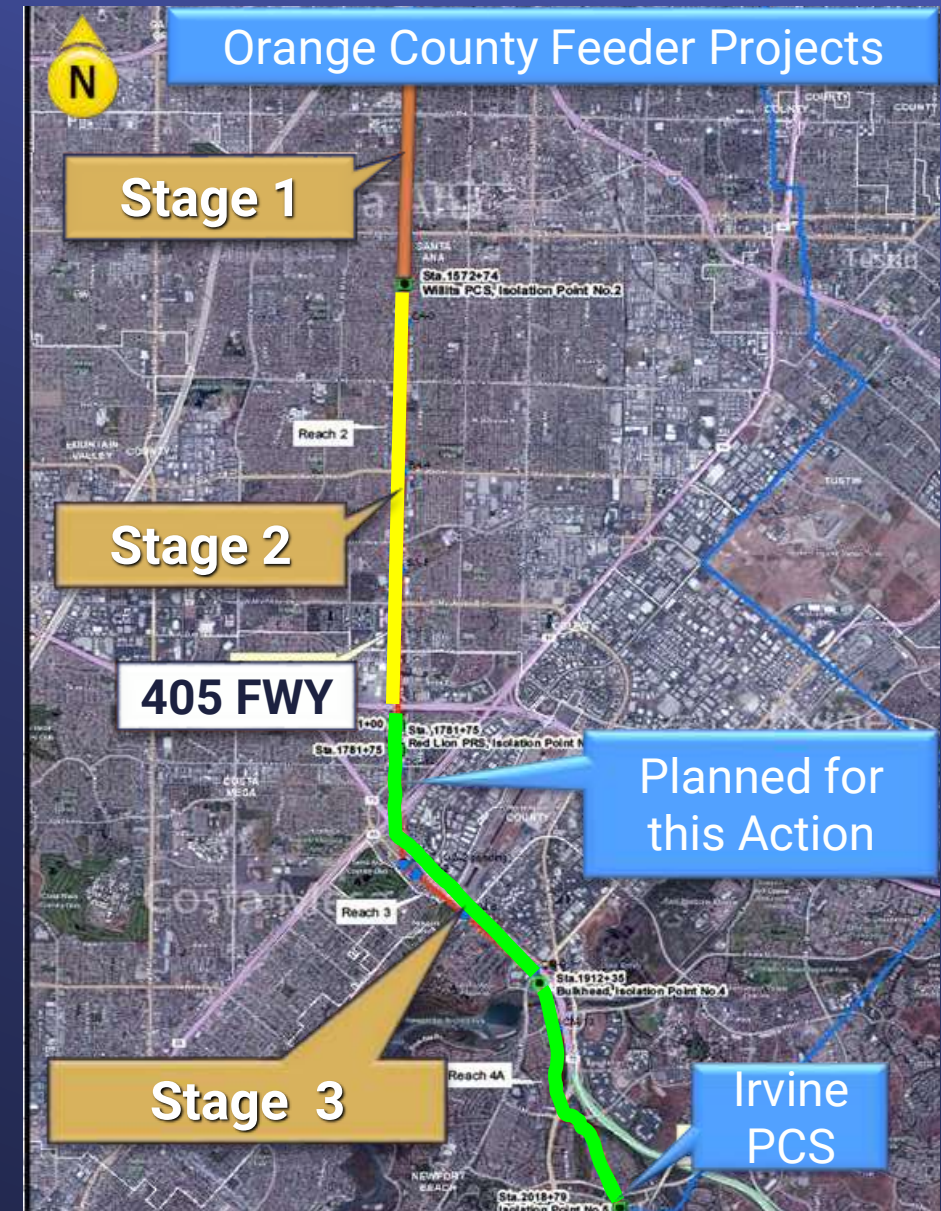
# Background – OC Feeder Extension

- 11 miles of welded steel pipe
  - 36" to 39" diameter
- Originally commissioned in 1942
- Existing lining is deteriorating
- Two recent unplanned repairs



# Rehabilitation Strategy

- Stage 1 – Completed 2017
  - Replaced 3 miles of lining
- Stage 2 – Completed 2019
  - Replaced 4 miles of lining
- Stage 3 – This action
  - Replaces remaining 4 miles of existing lining with new cement mortar lining
  - Replaces deteriorated valves
  - Improves access locations





## Orange County Feeder Lining Replacement

### Alternatives Considered

- Multiple contracts
  - Issue two contracts, one for each affected city
  - Shorter, successive shutdowns spread over multiple years
- Selected Alternative - one contract for remaining work
  - Efficient & economical for both permitting & contracting
  - Cost-effective approach which minimizes the risk of service interruptions to member agencies
  - Accelerates rehabilitation of Metropolitan's distribution system

# Scope of Work

- Contractor
  - Excavation & shoring at 17 access sites
  - Removal & disposal of coal tar enamel
  - Weld over 700 butt straps, apply mortar lining, & access-way installation
  - Install MWD-furnished valves
  - Provide traffic control
  - Conduct street restoration



# Scope of Work

- Metropolitan
  - Dewatering, clearances & return to service for multiple shutdowns
  - Procurement & fabrication of bulkhead
  - Review of submittals
  - Field & fabrication inspection
  - Public outreach
- Helix Environmental Planning, Inc.
  - Environmental & noise monitoring



Valve Installation



Traffic Control



# Property Lease – New Agreement

- Property at 2750 Bristol Street in Costa Mesa
  - Area for contractor storage & staging
  - One-acre site
  - Two-year lease
    - May 2022 – April 2024
    - Potential for 18-month lease extension
  - Estimated cost – \$204,000
  - Total lease not-to-exceed \$360,000



# Bid Results

## Specifications No. 1961

Bids Received	March 15, 2022
No. of Bidders	3
Low Bidder	Spiniello Infrastructure West, Inc.
Low Bid	\$17,226,250
Range of Higher Bids	\$22.4 million to \$22.7 million
Engineer's estimate	\$14.3 million
SBE Participation*	15%

\*SBE (Small Business Enterprise) participation level set at 15%

# Allocation of Funds

Contract	
Spiniello Infrastructure West, Inc.	\$17,226,250
Right-of-Way	204,000
Metropolitan Labor	
Force construction	1,400,000
Construction inspection	1,500,000
Submittal review, technical support & record drwgs	460,000
Owner's cost	766,000
Professional Services	
Helix Environmental Planning, Inc.	100,000
Materials	80,000
Remaining Budget	663,750
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Total	\$22,400,000



# Project Schedule

Project	2022				2023			
Orange County Feeder Lining Replacement – Stage 3								



Board Action



Construction



Completion of  
Construction

# Board Options

- Option #1
  - Adopt CEQA determination that the proposed project was previously addressed in the approved 2014 Mitigated Negative Declaration and related CEQA documentation, and that no further environmental analysis or documentation is required and
    - a. Award \$17,226,250 contract to Spiniello Infrastructure West, Inc. to reline a portion of the Orange County Feeder.
    - b. Authorize General Manager to enter into a new 24-month lease agreement with an 18-month option to extend at 2750 Bristol Street in Costa Mesa, CA (Assessor's Parcel No. 418 182-05) in an amount not to exceed \$360,000.
- Option #2
  - Do not proceed with the project at this time.

# Staff Recommendation

- Option #1



