



West Valley Feeder No. 1 Stage 3 Improvements

Engineering & Operations Committee
Item 7-1
August 20, 2017

Current Action

- Appropriate \$650,000
- Authorize final design of Stage 3 Improvements for West Valley Feeder No. 1

Distribution System



West Valley Feeder No. 1



West Valley Feeder No. 1

● Background

- Constructed in 1962 by Calleguas MWD
- Acquired by Metropolitan in 1970
- 48 to 57 inch Prestressed Concrete Cylinder Pipe, 8.3 miles long
- Stage 1 & 2 improvements completed from 2006 to 2012 – replaced 40 valves & 40 structures
- Chatsworth Park closed from 2008 to 2017



● Existing Conditions

- Buried valves only accessible by excavating pipeline
- No access road available



Scope of Improvements

- Replacement of five existing directly buried valves
- Construction of five new vaults
- Relocation of three air release/vacuum valve installations
- Construction of access road



Air Release/Vacuum Valve



Current Access on Foot

Planned Activities

Metropolitan Staff

- Preparation of drawings & specifications
- Local agency permitting
 - City of Los Angeles
 - California Department of Fish & Wildlife
- Development of construction cost estimate
- Procurement of valves
- Receipt of bids for construction contract

Geotechnical Support

Kleinfelder, Inc.

- Scope of Work
 - Field investigations
 - Drilling of borings & laboratory testing
- SBE participation - 25%
- Estimated cost - \$30,000
- No action required

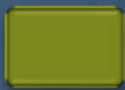
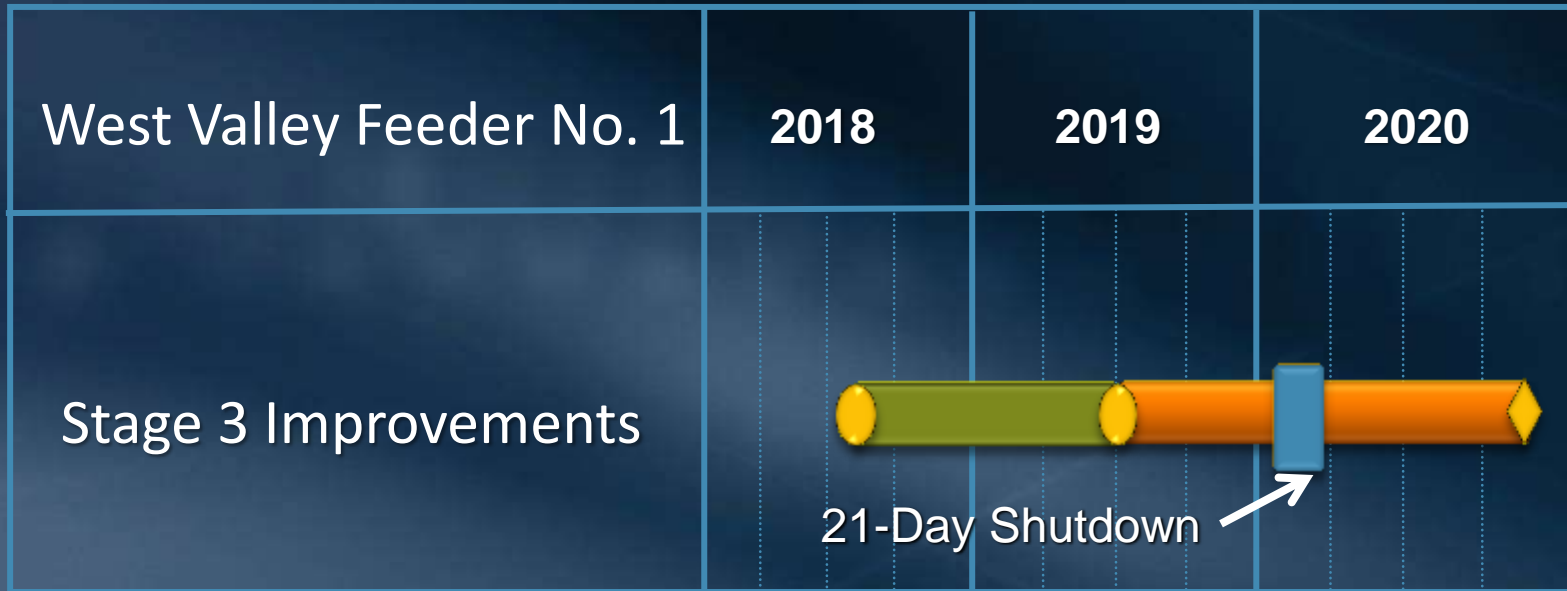
Requested Funds

Labor

Proj. Mgmt. & Permitting	\$ 78,000
Final Design	195,000
Materials & Supplies – Valve Procurement	220,000
Professional Services	
Kleinfelder, Inc.	30,000
Remaining Budget	127,000
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Total	\$ 650,000

Est. construction cost: \$1.5 to \$2.0 M

Schedule



Final Design



Board Action



Construction



Completion



Shutdown

Board Options

● Option #1

- Adopt CEQA determination that the proposed action is categorically exempt
- Appropriate \$650,000
- Authorize final design of Stage 3 improvements for West Valley Feeder No. 1

● Option #2

- Do not proceed with the improvements at this time

Staff Recommendation

- Option #1

