



Engineering, Operations, & Technology Committee

Foothill Hydroelectric Plant and Control Building Seismic Upgrade

Item 7-2

April 10, 2023

Foothill
Hydroelectric
Plant and Control
Building
Seismic upgrade

Current Action

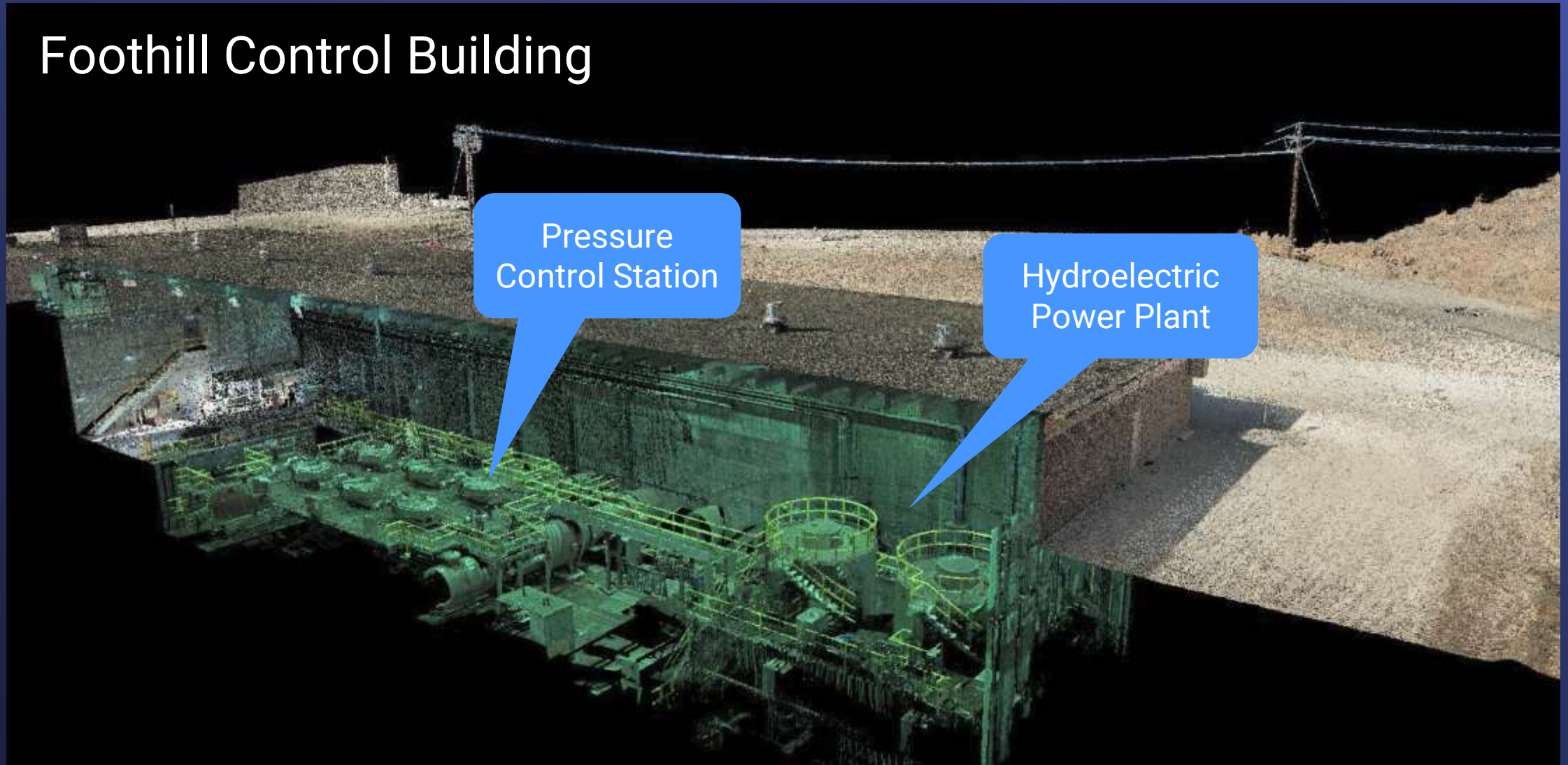
- Award a \$6,174,000 contract to West Valley Investment Group for seismic upgrades to the Foothill Control Building

Distribution System



Background

Foothill Control Building



Foothill Hydroelectric Plant and Control Building Seismic upgrade

Background

- Control Building identified as an essential facility to deliver water to Jensen Treatment Plant
- 13 miles from San Andreas Fault
- Seismic upgrades needed to withstand a significant earthquake
 - Strengthening of columns, beams, and structural connections



Exterior of Control Building



Examples of Areas to be Strengthened

Alternatives Considered

- Single contract with two major components
 - Foothill HEP control system upgrade
 - Foothill control building seismic upgrade
- Two contracts - selected alternative
 - Expedites seismic upgrade of the facility
 - Focuses work with specialized contractors

Foothill Hydroelectric Plant and Control Building Seismic upgrade



Electrical & Control System Construction



Structural & Civil Construction

Scope of Work – Contractor

- Perform seismic upgrades
 - Enlargement and strengthening of concrete columns
 - Provide additional steel connections between the roof and columns
 - Removal and replacement of electrical conduits and mechanical equipment as necessary

Foothill Hydroelectric Plant and Control Building Seismic upgrade



Foothill HEP Interior View

**Foothill
Hydroelectric
Plant and Control
Building
Seismic upgrade**

Scope of Work – Metropolitan

- Clearance, shutdowns, and start-ups
- Construction management and inspection
- Technical support during construction
- Project management, project labor agreement administration, and project controls

Bid Results

Specifications No. 1999**

Bids Received	February 14, 2023
No. of Bidders	5
Lowest Responsible Bidder	West Valley Investment Group
Low Bid	\$6,174,000
Range of Other Bids	\$7,754,000 to \$8,728,000
Engineer's Estimate	\$8,000,000
SBE Participation*	100%

*SBE (Small Business Enterprise) participation level set at 25%

**This contract will be conducted under the terms of Metropolitan's project labor agreement

Allocation of Funds

Foothill Control Building Seismic Upgrade

Metropolitan Labor

Owners Costs (Proj. Mgmt., Contract Admin., Envir. Support)	\$ 483,000
Construction Inspection & Support	712,000
Force Construction	126,000
Submittals Review, Tech. Support, Record Dwgs.	439,000

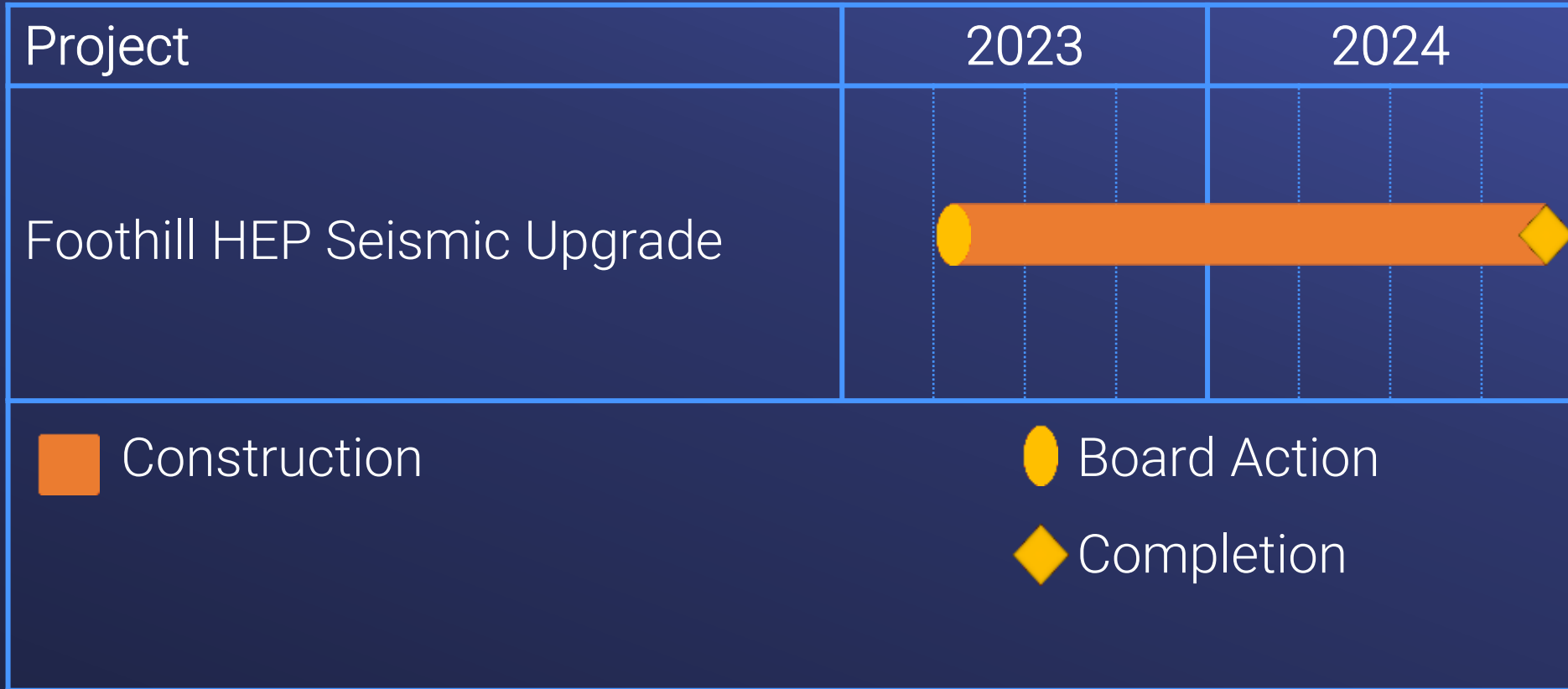
Contracts

West Valley Investment Group	6,174,000
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Remaining Budget

Total	\$ 8,650,000
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Project Schedule



Board Options

- Option #1
 - Award a \$6,174,000 contract to West Valley Investment Group for seismic upgrades to the Foothill Hydroelectric Plant and Control Building.
- Option #2
 - Do not proceed with the project at this time.

Staff Recommendation

- Option #1

