



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

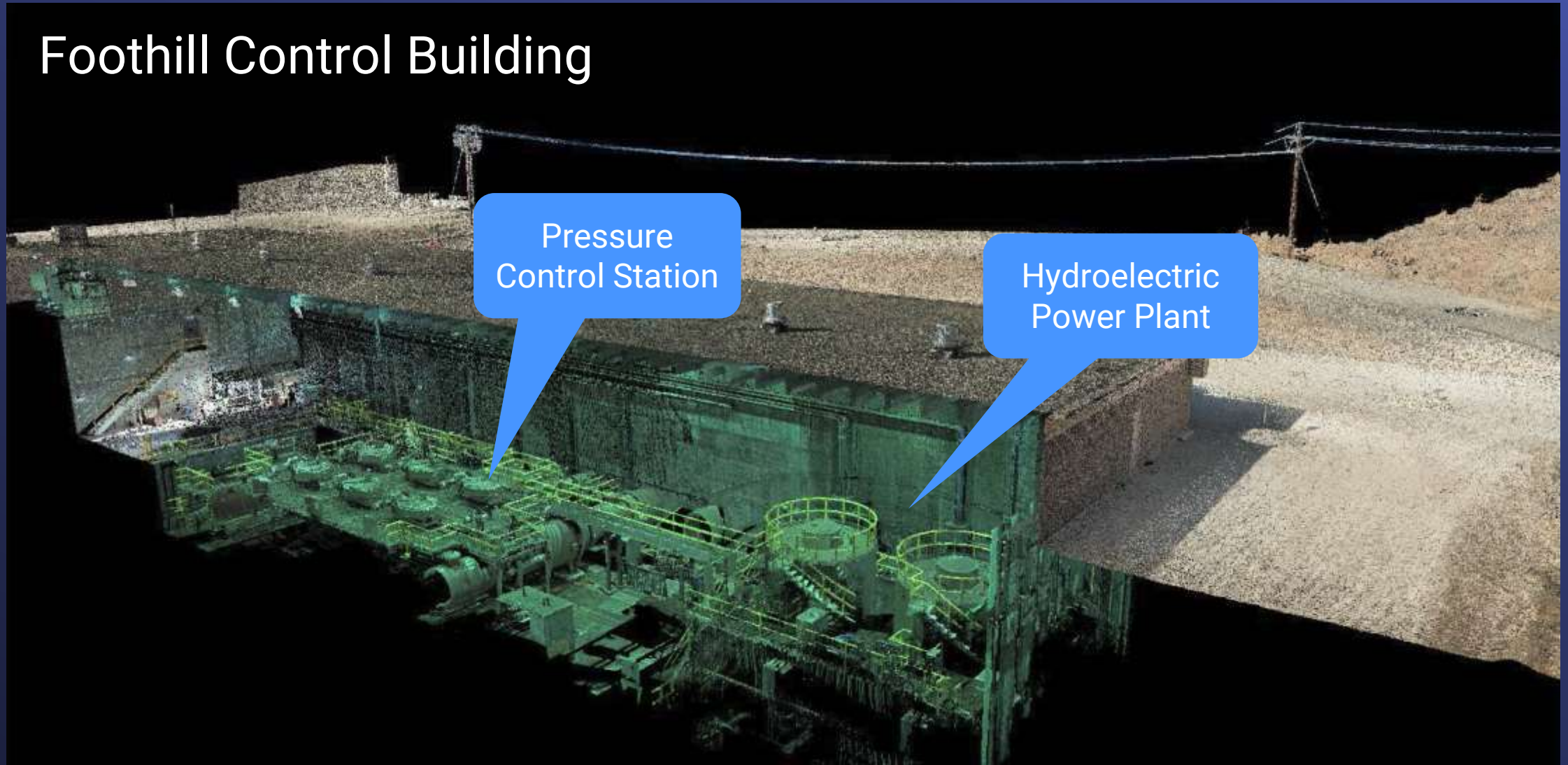
# Distribution System





# 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

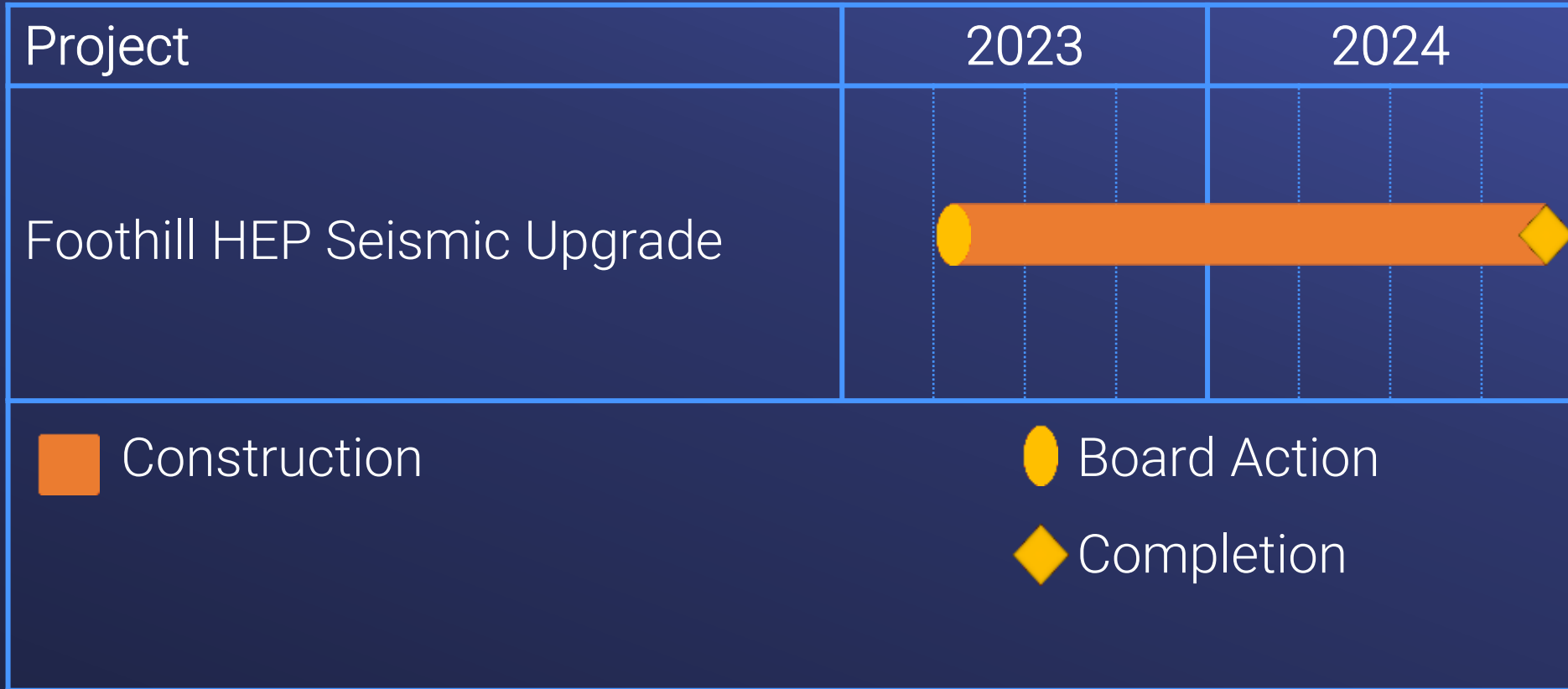
West Valley Investment Group	6,174,000
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### Remaining Budget

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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

