Vallejo B Substation
Station Rebuild Plan
Agenda

- Project Background, Meeting Objective – Jamie Dean
- Project Objective, Schedule – Phani Mullapudi
- Substation Wall Visual Presentation – Tara Soekland
- Landscaping – Lindsey Welchoff
- Question and Answers
Background

- Substation serves nearly 23,000 customers in the City of Vallejo.
- 4kV switchgear and banks are inside an old brick-clad building, that is seismically deficient and needs to be demolished.
- Per historic evaluation by PGE’s consultants, the building is deemed not historic.

Meeting Objective

- Present the upcoming plan of demolition of the old building, review proposed sound walls and vegetation with input from the City of Vallejo and the community in which the substation serves.
Project Objective

Rebuild Substation for Safety and Reliability

- Replace five (5) old transformers with four (4) new units rated at 21/4kV-10/12.5MVA and 21/12kV-10/12.5MVA
- Replace old 4kV switchgear with Metal Clad type
## Schedule - Milestones

### Vallejo B Project: High-Level Schedule

<table>
<thead>
<tr>
<th>Milestone</th>
<th>Q4 2017</th>
<th>Q1 2018</th>
<th>Q2 2018</th>
<th>Q3 2018</th>
<th>Q4 2018</th>
<th>Q1 2019</th>
<th>Q2 2019</th>
<th>Q3 2019</th>
<th>Q4 2019</th>
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<tbody>
<tr>
<td>Install New Banks &amp; Swgr</td>
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<td>Demo Old Building</td>
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<td>Install Sound Walls, Gates</td>
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Stamped Adobe

**Before - Original Photo**

**After - Photo Simulation**

Wall Option A - "Stamped Adobe" with Plants

**Context - Original Photo (above left) within Original Panoramic Context**

*Note: Final selection of wall design is to be determined.

**Image Data**
- Date of Photo: July 27, 2018
- Time of Day: Afternoon
- Orientation: Northwest
- Distance to Project: 120 feet

**Camera Data**
- Camera Make: Canon
- Camera Model: Canon EOS Rebel T2i
- Lens: Canon EF-S 18-55mm f/3.5-5.6 IS
- Focal Length: 50mm
- Shutter Speed: 1/1000
- Aperture: f/7.1
- ISO: 100

Figure 2.01-A

Photo Location 1 - Contra Costa Street South of Springs Rd

Vallejo E Substation | Perimeter Wall and Gate Visualization
Stamped Adobe

BEFORE - Original Photo

AFTER - Photo Simulation

Wall Option A - 'Stamped Adobe' with Plants

CONTEXT - Original Photo (above left) within Original Panoramic Context

*NOTE: Final selection of wall design is to be determined.

DRAFT
Stamped Adobe

BEFORE - Original Photo

AFTER - Photo Simulation

Wall Option A - ‘Stamped Adobe’ with Plants*

CONTEXT - Original Photo (above left) within Original Panoramic Context

*NOTE: Final selection of wall design is to be determined.
Menlo

BEFORE - Original Photo

AFTER - Photo Simulation
Wall Option B - ‘Menlo’ with Plants

CONTEXT - Original Photo (above left) within Original Panoramic Context

*NOTE: Final selection of wall design is to be determined.

Figure 2.02-B
Photo Location 2 - Springs Rd at Halliday St
Vallejo B Substation | Perimeter Wall and Gate Visualization
**Menlo**

**BEFORE - Original Photo**

**AFTER - Photo Simulation**

**Wall Option B - 'Menlo' with Plants**

**CONTEXT - Original Photo (above left) within Original Panoramic Context**

*NOTE: Final selection of wall design is to be determined.*

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**Image Data**

Date of Photo: July 21, 2018

Camera Model: Canon 5D Mark III

Camera Lens: Canon EF 24-70mm f/2.8L

Camera Height: 48 inches

Distance to Project: 100 feet

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**Figure 2.01-B**

*Photo Location 1 - Contra Costa Street South of Springs Rd*

*Vallejo B Substation | Perimeter Wall and Gate Visualization*
Menlo

BEFORE - Original Photo

AFTER - Photo Simulation

Wall Option B - 'Menlo' with Plants

CONTEXT - Original Photo (above left) within Original Panoramic Context

*NOTE: Final selection of wall design to be determined.

Figure 2.03-B
Photo Location 3 - Halliday St
Vallejo B Substation | Perimeter Wall and Gate Visualization
Menlo and Stamped Adobe

BEFORE - Original Photo

AFTER - Photo Simulation

Wall Option C - ‘Menlo’ Caps/Columns with ‘Stamped Adobe’ Panels and Plants

CONTEXT - Original Photo (above left) within Original Panoramic Context

*NOTE: Final selection of wall design to be determined.

Figure 2.03-C

Photo Location 3 - Halliday St
Vallejo B Substation | Perimeter Wall and Gate Visualization
Menlo and Stamped Adobe

BEFORE - Original Photo

AFTER - Photo Simulation

Wall Option C - 'Menlo' Caps/Columns with 'Stamped Adobe' Panels and Plants

CONTEXT - Original Photo (above left) within Original Panoramic Context

*NOTE: Final selection of wall design to be determined.

Image Data
- Date of Photo: July 22, 2019
- Time of Day: 11:46 AM PDT
- Direction of View: Northwest
- Distance to Object: 100 feet

Camera Data
- Camera Model: Canon EOS 5D
- Camera Lens: Canon EF70-200mm f/4 L IS
- Camera Heel: 50 feet
- Camera Angle: 10°
Menlo and Stamped Adobe

BEFORE - Original Photo

AFTER - Photo Simulation

Wall Option C - ‘Menlo’ Caps/Columns with ‘Stamped Adobe’ Panels and Plants

CONTEXT - Original Photo (above left) within Original Panoramic Context

*NOTE: Final selection of wall design is to be determined.

Figure 2.01-C

Photo Location 1 - Contra Costa Street South of Springs Rd

Vallejo B Substation | Perimeter Wall and Gate Visualization
Vallejo B Substation
Perimeter Wall and Gate Visualization - Vallejo, CA

The following is a proposed restoration concept that works as a visual screen to the substation. Please note the proposed restoration represents the vegetation at full maturity.

**Proposed Restoration**

- **Existing**
- **Proposed - Stamped Adobe Wall w/ Plants**
- **Proposed - Menlo Wall w/ Plants**
- **Proposed - Menlo Caps/Columns w/ Stamped Adobe Panels & Plants**

**Proposed Vegetation**

- **Santa Cruz Island Buckwheat**
  - *Eriogonum arborescens*
  - Size: 1 gallon

- **Red Yucca**
  - *Hesperaloe parviflora* 'Surprise Bouquet'
  - Size: 1 gallon

- **Yellow Yucca**
  - *Hesperaloe parviflora* 'Yellow'
  - Size: 1 gallon

- **White Sage**
  - *Salvia apiana*
  - Size: 1 gallon

PG&E critical infrastructure information. Facilities to be operated by PG&E personnel only. Work area locations are approximate and for illustrative purposes only. Data subject to updates. Call 811 before you dig. The proposed vegetation includes water-wise plants suited for most California climate zones, however, each location is different. Please consult your local nursery for more information.

3/10/19
Questions ?
send to
electricreliability@pge.com
Attn: Tara Soekland