

## PUBLIC UTILITIES COMMISSION

505 VAN NESS AVENUE  
SAN FRANCISCO, CA 94102-3298



December 4, 2020

VIA MAIL AND EMAIL

Ms. Jo Lynn Lambert  
Pacific Gas & Electric

**SUBJECT: Gates 500 kV Dynamic Reactive Support Project PG&E Interconnection**

Dear Ms. Lambert:

As the California Public Utilities Commission (CPUC) proceeds with our environmental review for LS Power Grid's Gates 500 kV Dynamic Reactive Support Project (Proposed Project), we have identified additional information that would help us adequately conduct the CEQA review. Specifically, we are looking for more details of the proposed activities that PG&E plans to undertake within the Gates substation in order to allow appropriate connection to and operation of the Proposed Project.

Please do not hesitate to call me at (805) 305-9084 if you have any questions.

Sincerely,

A handwritten signature in blue ink that reads "Pat Kelly".

Pat Kelly, Analyst  
Infrastructure Planning and CEQA, Energy Division  
California Public Utilities Commission

cc: Michael Manka, ESA  
Julie Watson, ESA

## Information Request to Support Gates 500 kV Dynamic Reactive Support Project's CEQA Evaluation

2. Provide necessary drawings/description of to show the total footprint, location, dimensions, and layout of main substation upgrade and expansion components. **[See attached drawings.]** Please include details of:
  - a. The proposed new boundary enclosure (outer wall) around the Gates Substation.
    - a. Expand the existing security wall on the West side of the 500kV BAAH 120 FT West to allocate space for the Bay 6 addition. From the new southwest security wall corner, expand the new security wall North 1,468 FT, East 2,140 FT, then South 812 FT to tie into the Northeast corner of **the existing Bus Section "F"** Security Wall to surround the new GIB lines exiting Bay 6 and Bay 2. This wall layout can be seen on the Proposed GAO drawing. The new security wall shall be 12'-0" high, precast, designed similar to Old Castle Precast drawing used for the existing security wall. Total linear footage of new security wall to be installed is approximately 4,240 FT. Total linear footage of the existing security wall to be removed is approximately 2,650 FT. The new security wall will be constructed with all new wall panels as reusing the panels would cause the station to be open and violate security requirements.
  - b. Above-ground and below-ground facilities including both depth and height ranges for each type of facility.

**The following are estimates of the depths and heights:**

- a. **Deadend (Based off Bank 12 Design)**
  - i. **Height: 130 FT**
  - ii. **Foundation Depth: 32 FT**
- b. **High Bus (Assumed)**
  - i. **Height: 54 FT**
  - ii. **Foundation Depth: 13 FT**
- c. **Low Bus (Based off Bank 12 Design)**
  - i. **Height: 29 FT**
  - ii. **Foundation Depth: 11 FT**
- d. **Gas Insulated Bus (GIB) (Assumed)**
  - i. **Height: 29 FT**
  - ii. **Foundation Depth: 20 FT**
- e. **High Voltage Circuit Breaker (Based off Bank 12 Design)**
  - i. **Height: 24 FT**
  - ii. **Foundation Depth: 2 FT**
- f. **High Voltage Motor Operated Disconnect Switch (Based off Bank 12 Design)**
  - i. **Height: 29 FT**
  - ii. **Foundation Depth: 16 FT**
- g. **CCVT (Based off Bank 12 Design)**
  - i. **Height: 34 FT**
  - ii. **Foundation Depth: 12 FT 6 IN**