

LS Power Grid California, LLC

RE: Data Request #5 DR-5: Grading and Activity Level for Alternative Substation Sites

6/20/2025

Attachment C: DR-5 Response

- Volume of grading and earthwork at each substation site. The volume can be provided as a range or comparable number to the proposed project.
 - **Scenario A:** Overall this scenario has less elevation change than the proposed location, but scenario A is situated over the head of a large drainage. Estimated quantity of general fill (cut to compacted fill) is 40,000 cubic yards (approximately 1/3 increase compared to the proposed site).
 - **Scenario B:** Overall the slope is more consistent but greater (approximately 35-40' of elevation change in existing grade from corner to corner of pad) for scenario B. Estimated quantity of general fill (cut to compacted fill) is 60,000 cubic yards (approximately double compared to the proposed site).
- Would either substation alternative result in off haul of soil material due to increased grading or do you anticipate cut and fill would be balanced on site? If off haul is anticipated, provide a rough estimate of the volume of off haul and associated number of truck trips anticipated.
 - **Scenario A:** LSPGC expect that site grading could be balanced.
 - **Scenario B:** LSPGC expect that site grading could be balanced.
- Anticipated peak daily and annual maximum equipment activity level (and associated emissions) for off-road equipment, on-road equipment, and helicopters for each on land alternative. Estimated peak daily and annual maximum equipment activity level and associated emissions for the reroute of the submarine segment. The estimate can be provided in relation to the Proposed Project as an estimated percent increase or decrease. Explain the reasoning for any anticipated increase or decrease in activity level.
 - **Scenario A:** Scenario A's grading activity would take approximately 33% longer (one month) than the proposed substation location. The associated equipment associated with the site development would not substantially change; however, their durations would be extended.

• Site Development/Staging Yards	• 5/1/2026*	• 9/1/2026
• Below-Grade Construction	• 8/14/2026	• 2/14/2027
• Above-Grade Construction	• 2/2/2027	• 3/11/2028

- ***Note:** The shown start date is optimistic, as a multi-month redesign of the substation would be required. This redesign may take approximately 6 months and LSPGC would be unable to meet the required CAISO in-service date.
- **Scenario B:** Scenario B's grading activity would take approximately 100% longer (three months) than the proposed substation location. The associated equipment associated with the site development would not substantially change; however, their durations would be extended. This additional time would put the above grade construction of the finishing just prior to the CAISO required in-service date, not leaving enough time for testing and commissioning.

• Site Development/Staging Yards	• 5/1/2026*	• 11/1/2026
• Below-Grade Construction	• 10/14/2026	• 4/14/2027
• Above-Grade Construction	• 4/2/2027	• 5/11/2028

- ***Note:** The shown start date is optimistic, as a multi-month redesign of the substation would be required. This redesign may take approximately 6 months and LSPGC would be unable to meet the required CAISO in-service date.

- **Alternative Landing Location:** LSPGC does not expect the anticipated activity level or schedule to significantly change for the alternative landing location.
- Are there any streams or drainages that would need to be rerouted for the alternative?
 - **Scenario A:** LSPGC does not currently anticipate any streams or drainages that would need to be rerouted for this scenario, as shown in the BRTR-Addendum.
 - **Scenario B:** LSPGC does not currently anticipate any streams or drainages that would need to be rerouted for this scenario, as shown in the BRTR.
- Are there any known buried utilities within the alternative work areas or adjacent the alternatives?
 - **Scenario A:** LSPGC is currently unaware of any buried utilities within or adjacent to the alternative; however, based on the location to the adjacent substation the likelihood of buried utilities being nearby is high.
 - **Scenario B:** LSPGC is currently unaware of any buried utilities within or adjacent to the alternative; however, based on the location to the surrounding wind farm the likelihood of buried utilities being nearby is high.