

1.12 MINERAL RESOURCES

The following discussion evaluates the potential changes in impacts associated with mineral resources and the conclusions from the Proponent’s Environmental Assessment (PEA) with the incorporation of the Proposed Project’s design modifications as described in the redlined version of Chapter 3 – Project Description. The table below summarizes the impact determinations from the PEA and the impact determinations with the incorporation of the design modifications.

Would the project:	PEA Impact Determination	Impact Determination with Design Modifications
a) Result in the loss of availability of a known mineral resource that would be of value to the region and the residents of the state?	Less-than-Significant Impact	Less-than-Significant Impact
b) Result in the loss of availability of a locally important mineral resource recovery site delineated on a local general plan, specific plan or other land use plan?	No Impact	No Impact

Would the project result in the loss of availability of a known mineral resource that would be of value to the region and the residents of the state?

Construction, Operations and Maintenance

LSPGC Components

Less-than-Significant Impact. The Lind Marine mine is situated within 5 miles of the proposed LS Power Grid California, LLC (LSPGC) Collinsville Substation, LSPGC 230 Kilovolt (kV) Overhead Segment, LSPGC 230 kV Underground Segment, and LSPGC Telecommunications Line; however, none of these LSPGC Proposed Project components would intersect with the mine. As a result, no impact from these components would occur. The proposed LSPGC 230 kV Submarine Segment would cross Lind Marine’s sand and gravel dredging operation. The design modifications would reduce the number of submarine cables from six to four and minimize the total length of mine crossed, reducing the temporary impacts from cable installation. As described in the PEA, a lease agreement and a lease encumbrance agreement would be obtained from the California State Lands Commission for encumbering on the existing mining lease. Therefore, design modifications to the proposed LSPGC Submarine Segment would reduce the impact on the Lind Marine mine’s operations. As a result, and consistent with the determination in the PEA, impacts would be less than significant.

PG&E Components

No Impact. The proposed Pacific Gas and Electric Company (PG&E) 500 kV Transposition Structure B and its associated work areas would be the only Proposed Project components introduced by the design modifications within 5 miles of an active mining operation in Solano County. The Potrero Hills Quarry, an open pit quarry that mines sand and gravel, is located approximately 4.4 miles west of the proposed PG&E 500 kV Transposition Structure B (California Department of Conservation [DOC] 2024). The proposed PG&E 500 kV Transposition Structure D and associated work areas in Contra Costa County would be located

approximately 3.4 miles and 4.2 miles east of the Byron Plant and Kellogg Mine, respectively. Both the Byron Plant and Kellogg Mine primarily mine specialty sand and gravel (California DOC 2024). None of the newly proposed PG&E Transposition Structures or associated work areas in Solano and Contra Costa counties would cross mining sites or interfere with mining operations. Consequently, the construction of these Proposed Project components would not lead to the depletion of any known mineral resources. As a result, and consistent with the impact determination in the PEA, no impact would occur.

Would the project result in the loss of availability of a locally important mineral resource recovery site delineated on a local general plan, specific plan or other land use plan?

Construction, Operations and Maintenance

LSPGC and PG&E Components

No Impact. The design modifications would not be located on or cross any mineral resource recovery sites identified in the Solano, Sacramento, or Contra Costa County general plans or any other applicable land use plans. The nearest mineral resource recovery site to the design modifications is a Regionally Significant Mineral Resource (RSMR) area of domingine sandstone in Contra Costa County (Contra Costa County 2024) located approximately 2.9 miles southwest proposed PG&E 500 kV Transposition Structure D. Consistent with the PEA, the Proposed Project would not interfere a locally important mineral resource recovery site and there would be no impact.

References

California DOC. 2024. Mines Online. Online. <https://maps.conservation.ca.gov/mol/index.html>. Site visited January 2025.

Contra Costa County. 2024. Contra Costa County 2045 General Plan Conservation Element. Online. <https://www.contracosta.ca.gov/DocumentCenter/View/84948/Chapter-7--Conservation-Open-Space-and-Working-Lands-Element-PDF>. Site visited January 2025.

Solano County. 2008. Solano County General Plan Resources Chapter. Online. <https://www.solanocounty.com/civicax/filebank/blobdload.aspx?BlobID=6494>. Site visited January 2025.

Sacramento County. 2017. Sacramento County General Plan of 2005-2030 Conservation Element. Online. <https://planning.saccounty.gov/LandUseRegulationDocuments/Documents/General-Plan/Conservation%20Element%20-%20Amended%2009-26-17.pdf>. Site visited January 2025.