

Data Request #2







Project: LS Power Grid's Collinsville 500/230 kV Substation Project (project)
Description: Data Request #2
From: California Public Utilities Commission (CPUC) and Panorama Environmental Inc. (Panorama)
To: Pacific Gas and Electric Company (PG&E)
Date Submitted: November 14, 2024

OVERVIEW

The data requested in Table 1 below is in reference to Pacific Gas and Electric Company's (PG&E) participation in LS Power Grid's (LSPGC) Collinsville 500/230 kV Substation Project (project), as described in the Proponents Environmental Assessment (PEA) prepared for the project. A complete copy of the PEA is available at: <https://ia.cpuc.ca.gov/environment/info/panoramaenv/Collinsville/>


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TABLE 1 DATA REQUESTED FROM PG&E

Section/Page Reference	CPUC Comment	Request ID	CPUC Request	PG&E Response
3.3.4.2.1 PG&E 500 kV Interconnection, Table 3-4, GIS Data LSPGC Deficiency Report #1, DEF-1	<p>DR-1: PG&E 500 kV Interconnection Structures and GIS Data</p> <p>In their response to Deficiency Report #1, DEF-1, on September 30, 2024, LSPGC provided Attachment A, PG&E Preliminary Scope, which includes a PDF prepared by PG&E describing their proposed project features and activities. The information provided in this document describes new and different project features that are not addressed in the PEA Project Description and are inconsistent with the features identified in the GIS data by LSPGC.</p> <p>In addition to the PDF document provided by LSPGC, PG&E responded to a separate Data Request issued directly to PG&E by the CPUC. In PG&E's response dated November 8, 2024, PG&E identified additional information about the interconnection structures that are inconsistent with the PEA Project Description and GIS data provided by LSPGC. This information is also inconsistent with the information provided in the PDF described above.</p> <p>It appears the current PG&E interconnection structures associated with the project area as follows:</p> <ul style="list-style-type: none"> • New 	A	Please provide a list of types and values of all PG&E proposed interconnection structures, including existing structures along the Vaca-Dixon line to be removed or modified.	See Attached.  Vaca - Tesla - Collinsville 500kV In
		B	In the preliminary PG&E scope PDF, PG&E uses the term lattice steel poles (LSPs). Is this a new structure category or the same as the LSTs?	At dead-end locations, it was initially proposed to use 3 Lattice Steel Poles (LSP) structure, which is a different structure category than Lattice Steel Tower (LST). During detailed design, it was determined that Tubular Steel Poles (TSPs) would provide an optimal solution, so TSPs are now proposed.
		C	Please provide a brief definition of the 3-pole "transposition" structures and explain their purpose in comparison to the LSTs.	To accommodate the transition of phases between two Lattice Steel Towers (LST), a 3-pole TSP structure is utilized mid-span to change the position of phases.
	<ul style="list-style-type: none"> - 11 lattice steel towers (LSTs) - 7, 3-pole tubular steel poles (TSPs) • Removed - 2 existing LSTs - 1 existing transposition structure <p>The accurate number, types, and locations of PG&E structures needs to be rectified, and revised GIS data is needed to determine impact areas. Diagrams of all proposed structures are also needed for the EIR.</p> <p><u>Note: this same request will be submitted to LSPGC.</u></p>	D	Please ensure diagrams of all proposed PG&E structures are provided consistent with the diagrams provided for other structures identified in the Project Description. At a minimum a new diagram for the 3-pole TSP structure type is required.	See Attached.  Vaca - Tesla  Vaca - Tesla 3-Pole Transposition View. TSP Angle Structure
		E	Please provide updated GIS data for the project which includes the accurate locations, categories, and other details of proposed structures for the project (including both LSPGC and PG&E structures), as well as the existing PG&E structures to be removed or modified. Please also provided updated GIS data for the associated conductor routes, structure workspaces, structure access routes, pull sites, etc. that are tied to the structure locations.	GIS data indicating structure locations will be provided confidentially under GO 66-E requirements, which include a VP Declaration. GIS data may be used to prepare pdf maps. GIS data for workspaces, access routes, and pull sites are shown in the attachment provided below.  Collinsville_Project_Components_EditedLSP_12-11-20
n/a	<p>DR-2: PG&E Sites Near Travis Airforce Base (AFB)</p> <p>In PG&E's response to Data Request #1 dated November 8, 2024, PG&E described sites near Travis AFB that would be reconducted and transposition towers would be installed. This appears to be a new site and project features</p>	A	Please describe the PG&E activities that would occur near Travis AFB, including their location, purpose and nature, timing and schedule, etc.	Install a transposition structure located near tower one (1) to re-orient the transposition sections. Construction for the proposed location is currently planned to take place in Jan– Feb 2028.

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	that are not identified in the Project Description or GIS data. <u>Note: this same request will be submitted to LSPGC.</u>	B	Please provide GIS data and figures identifying the project feature locations, workspaces, and access routes.	Refer to item E response.
Section 3.1.1: Summary of Proposed Project LSPGC Deficiency Report #1, DEF-1	DR-3: PG&E Pittsburg Substation Modifications In the PDF describing PG&E's preliminary scope submitted by LSPGC, the list of outdoor work at the Pittsburg Substation includes (#3) "Due to increased fault duties, install a set of reactors on the 115kV bus 1 and bus 2."	A	Please explain if and how installing reactors at Pittsburg Substation is associated with the Collinsville Substation Project and how PG&E proposes to implement these projects together or separately. Is the installation of reactors at Pittsburg Substation part of the whole of the action and needed as a result of the proposed Collinsville Substation Project, thus an activity that should be analyzed under CEQA?	The new Collinsville project proposes to connect 2 230 kV lines to Pittsburg Substation. The additional 230 kV lines increase the Pittsburg 230 kV and 115k V fault duty. The increased 115 kV fault duty will exceed the 115 kV breaker interrupt rating if there is no mitigation. To continue operating the substation safely, the required mitigation is to add the 115 kV bus reactor. If there was no Collinsville project, there would be no need for a 115 kV bus reactor for fault duty mitigation purposes. For these reasons, the reactor is part of the whole of the action and should be included in the project analyzed under CEQA.

Section/Page Reference	CPUC Comment	Request ID	CPUC Request	PG&E Response
	The proposed reactors at Pittsburg Substation appear to be part of a separate CAISO project, referred to as the Pittsburg 115 kV Bus Reactor Project identified in CAISO's 2022-2023 Transmission Plan. Section 3.1.1 of the Project Description briefly notes that the Pittsburg Reactor Project is not part of the proposed project; however, the PDF with PG&E's preliminary scope seems to link this PG&E activity to the proposed project. <u>Note: this same request will be submitted to LSPGC.</u>	B	If PG&E is proposing the installation of reactors at Pittsburg Substation as part of the proposed project, existing and proposed substation layout diagrams are required to identify the facility changes.	The blue rectangle marked Exhibit A represents the new 115 kV Reactor needed to accommodate the increased Fault duty in the substation as a result of the 2 new Collinsville 230 kV lines. Please see Exhibit A for proposed reactor location in the attached file.  Pittsburg PP - Collinville Affected I