October 2, 2023 VIA EMAIL

Erin Rice
Pacific Gas & Electric
77 Beale Street
San Francisco California 94105

Re: CPUC Review of Proponent's Environmental Assessment for* Pacific Gas & Electric (PG&E's) Northern San Joaquin 230kV*Project (Application 23-09-001)

Dear Mr. Rice:

The California Public Utilities Commission (CPUC) Energy Division, California Environmental Quality Act (CEQA) Unit has conducted a review of PG&E's Proponent's Environmental Assessment (PEA) for the Northern San Joaquin 230kV Upgrade Project (Project) relative to the CPUC's Guidelines for Energy Project Applications Requiring CEQA Compliance: Pre-filing and Proponent's Environmental Assessments. After conducting an initial review of the PEA, the Energy Division finds that the PEA contains sufficient information to satisfy the requirements of the Commission's Information and Criteria List and deems the Certification of Public Convenience (CPCN) application complete.

The Energy Division is requesting additional information (see Data Request #1 attached to this letter) to supplement and inform the environmental review. Please note that as the environmental review progresses, the CPUC may submit clarifying questions or request additional data, as necessary, to prepare a complete and adequate analysis of the potential environmental effects of the proposed Project in accordance with the requirements of CEQA.

Please do not hesitate to call me at (408) 705-6030 if you have any questions.

Sincerely,

Boris Sanchez
Project Manager for the Northern San Joaquin 230 kV Upgrade Project
Energy Division

cc: Robert Peterson, CPUC Energy Division
Matthew Swain Senior Attorney, PG&E
Heather Blair, Ascent
Jessica Babcock, Ascent

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SUBJECT: Northern San Joaquin 230kV Upgrade Project – Data Request 1

Dear Mr. Rice

As the California Public Utilities Commission (CPUC) proceeds with the environmental review for PG&E's Northern San Joaquin 230kV Upgrade Project (proposed Project), we have identified additional information that is needed to adequately conduct the California Environmental Quality Act (CEQA) review. Specifically, we are looking for further details on the proposed Project. Please provide the information requested below (Data Request 1) by October 30, 2023, and submit your response in electronic format to the CPUC and to our consultant, Ascent.

Please do not hesitate to call me at (408) 705-6030 if you have any questions.

Sincerely,

Boris Sanchez
Project Manager for the Northern San Joaquin 230kV
Upgrade Project Energy Division

cc: Robert Peterson, CPUC Energy Division
Matthew Swain Senior Attorney, PG&E
Heather Blair, Ascent
Jessica Babcock, Ascent

Data Request 1

Northern San Joaquin 230 kV Transmission Project CEQA Evaluation A2309001

PEA Section 4, Description of Alternatives

1. In PEA Section 4.4.10 "Distribution Energy Resources Improvement", the level of detail is not consistent with the other alternatives described in Sections 4.4.1 through 4.4.9 and 4.4.11. These other alternatives describe the type, size and location of the alternative considered. However, the description in Section 4.4.10 is: "This alternative would implement improvements to reduce electrical system demand (such as distributed generation, energy efficiency, and demand response)." Please provide a description of the size, type and location of distributed generation, energy efficiency, and demand response that comprises this alternative.

2. Please provide the data listed in the table below. These data will provide information on the system and customer-level behavior, which will allow for verification of the alternatives identified by PG&E and possible consideration of new wire and non-wire alternatives that could meet project objectives.

Request #	Category	Data Description	Preferred Format
Data Type: Geospatial/Relational			
2A	Grid	Circuit GIS data (single line diagram including line segments, whole feeders, and all line segment information, with phase count information and object ID that matched relational data for lookup)	GIS file
2B	Grid	Transformer locational data and all transformer data (e.g. transformer age, ID #, rating) for primary/substation transformers and secondary/service transformers Preference for full distribution planning area	GIS file
2C	Grid	Current powerflow models and powerflow model used for need determination for distribution planning area	Power Flow file
2D	Grid	Circuit protection equipment (e.g., switches and reclosers) locational data (GIS) matching powerflow model	GIS file
2E	Grid	Power quality equipment (e.g., tap changers and bank capacitors) locational data (GIS)	GIS file or .csv/.xlsx
2F	PG&E Load Data	PG&E associated customer load and system AMI/meter locational data (all geospatial information and service address ID, minimum one year, preferably 3 years)	.csv/.xlsx
2G	DG - PV	Location and specifications of DG-PV installed and in queue for interconnection system-wide.	.csv/.xlsx

Request #	Category	Data Description	Preferred Format
		Specifications include nameplate capacity, tilt, azimuth, installed location (Powerclerk export)	
2H	DG - BTM & FTM Storage	Location and specifications of DG battery storage installed and in queue for interconnection system-wide. Specifications include nameplate capacity, tilt, azimuth, installed location	.csv/.xlsx
2I	DG	Location and specifications of all additional DG installed and in queue for interconnection system-wide. Specifications include nameplate capacity, tilt, azimuth, installed location	
2J	SCADA	Available geographic location of SCADA data for each transformer bank and feeder (5 years historical data)	.csv/.xlsx
2K	Grid	Customer class and rate structure	.csv/.xlsx
2L	Grid	Association/relational data for circuit GIS data (e.g., line segment to feeder, line segment to line segment and how they are all tied together) Preference for all circuits within the full distribution planning area	.csv/.xlsx
2M	Grid	Association/relational data for transformer locational data (e.g., transformer to line segment or feeder ID and how they are all tied together) for primary/substation transformers and secondary/service transformers	.csv/.xlsx
2N	Grid	Association/relational data for circuit protection equipment locational data (GIS) matching powerflow model	.csv/.xlsx
2O	Grid	Association/relational data for power quality locational data (GIS) (e.g., tap changers)	.csv/.xlsx
2P	Load	AMI/meter association/relational data – (e.g., associated feeder/line segment)	.csv/.xlsx
2Q	DG - PV	Association/relational data for all DG-PV installed and in queue for interconnection system-wide.	.csv/.xlsx
Data Type: Time Series			
2R	Load	AMI data – 15 min intervals (kW, kWh) or hourly (8760) 3 years of historical data Requested format is CSV, with timestamp in UTC (if in local time, please specify the timezone and daylight savings flag, or the offset from UTC)	.csv
2S	Future load growth	10-year forecast by year at the subtransmission substation and distribution substation level, often expressed as peak demand, under normal conditions and heat storm conditions	.csv/.xlsx

Request #	Category	Data Description	Preferred Format
2T	Future load growth	Future known new block loads, by feeder, indicating relevant customer class (all data in forecast including assumptions made, shape of demand of buildings, magnitude of load growth, etc.)	.csv/.xlsx
2U	Power flow analysis	Results of power flow analysis: Triggering condition for the proposed solution.	.csv/.xlsx
2V	DER growth forecast	10-year DER forecast, disaggregated to circuit level or busbar level, for EV, EE, PV, AAPV, DR, and storage	.csv/.xlsx
2W	SCADA	Available SCADA time series data for each transformer bank and feeder (5 years historic data)	.csv/.xlsx