

**DOCKETED**

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**CALIFORNIA  
ENERGY COMMISSION**



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natural  
resources  
AGENCY**

May 6, 2020

Mr. Jerry Salamy  
Jacobs Engineering  
2485 Natomas Park Drive Suite 600  
Sacramento, California 95833

### **Data Requests Set 5 for San Jose City Data Center (19-SPPE-04)**

Dear Mr. Salamy:

Pursuant to Title 20, California Code of Regulations, sections 1941 and 1716, California Energy Commission staff is asking for the information specified in the enclosed Data Requests Set 5. These data requests are follow-up requests to the applicant's responses to question 53 in Staff's Data Requests Set 3 and are necessary for a complete staff analysis of the San Jose City Data Center.

Staff previously discussed the subject matter of and need for this request with the applicant and the Committee at the Status Conference held on April 28, 2020. At that time, the applicant indicated its willingness to provide the requested information, and the Committee indicated that staff can submit the follow-up requests without first obtaining a grant of leave.

Staff requests that responses to the data requests be provided to staff within 30 days. If you are unable to provide the information requested, need additional time, or object to providing the requested information, please send written notice to me and the Committee within 20 days of receipt of this letter. Such written notification must contain the reasons for not providing the information, the need for additional time, or the grounds for any objections (see Title 20, California Code of Regulations, section 1716(f)).

If you have any questions, please email me at [lisa.worrall@energy.ca.gov](mailto:lisa.worrall@energy.ca.gov).

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/S/

Lisa Worrall  
Senior Environmental Planner

Enclosure: Data Requests Set 5

**SAN JOSE CITY DATA CENTER (19-SPPE-04)**

**DATA REQUESTS SET 5 (Nos. 58 – 63)**

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## **SAN JOSE CITY DATA CENTER**

### **DATA REQUEST SET 5**

Follow-up to the Applicant's Responses to Staff's Data Requests Set 3  
(No. 53, TN 232595, 1/30/2020)

#### **PROJECT DESCRIPTION**

#### **BACKGROUND**

The applicant's responses to question 53 in Staff's Data Requests Set 3 indicated that the electrical interconnection from the Pacific Gas and Electric (PG&E) Los Esteros Substation to the project's onsite substation would be changed from two 230 kilovolt (kV) to two 115 kV transmission lines. Understanding the proposed interconnection to the Los Esteros Substation would assist staff in determining the likelihood that the backup generators would operate beyond routine readiness testing and maintenance and thus the likelihood of potential air quality impacts from the project.

#### **DATA REQUESTS**

58. Please provide the proposed 115 kV underground cables' name, type, current carrying capacity, and size. Would each individual cable be rated high enough to serve the total data center load, or are both underground cables required to serve the rated load?
59. Would the design of the system prevent both 115 kV lines from going out of service at the same time? If so, how?
60. The Los Esteros Substation one-line diagram indicated that there are six existing 115 kV transmission lines connected to the Los Esteros Substation 115 kV bus. Are the 115 kV lines able to provide power to the Los Esteros Substation when one or both of the 230 kV lines (Metcalf-Los Esteros and Newark-Los Esteros) are out of service?
61. Please describe any outages or service interruptions, including Public Safety Power Shutoffs (PSPS), on the 115 kV systems that would serve the proposed San Jose City Data Center:
  - a. How long were any outages, when did they occur, and what were their causes?
  - b. Did PG&E implement equipment upgrades or operational changes to reduce the likelihood of a repeat of the events that led to an outage?

- c. What were the responses to the outage(s) by any existing data centers (i.e., initiated operation of some or all backup generation equipment, data off-shoring, data center shutdown, etc.)?
62. Please provide historic information on the frequency and duration of outages of the 115 kV facilities, including the 115 kV portion of the Los Esteros Substation that would be likely to trigger a total loss of service to the proposed data center's onsite substation and lead to emergency operations of the diesel-powered generators. Please include the reliability of service historically provided by PG&E to other similar data centers in its service territory and located in Santa Clara County.
63. How would local and regional PSPS events be implemented on the 115 kV system compared to PSPS events on the 230 kV system (in other words, would a customer who is extremely concerned about reliability prefer one system over another)?