

DOCKETED

Docket Number:	19-SPPE-02
Project Title:	Walsh Data Center
TN #:	229726
Document Title:	Data Requests, Set 2
Description:	N/A
Filer:	Patty Paul
Organization:	California Energy Commission
Submitter Role:	Commission Staff
Submission Date:	9/12/2019 12:23:07 PM
Docketed Date:	9/12/2019



September 12, 2019

651 Walsh Partners, LLC
c/o Scott Galati
1720 Park Place Drive
Carmichael, CA 95608

Re: Data Requests for the Walsh Data Center (19-SPPE-02)

Dear Mr. Galati:

Pursuant to Title 20, California Code of Regulations, sections 1941 and 1716, the California Energy Commission (CEC) staff is asking for the information specified in the enclosed Data Requests Set 2 to more fully understand the Walsh Data Center project. These data requests are follow-up questions involving issue areas that were previously the subject of questions in Data Requests Set 1.

Responses to the data requests are due to staff within 30 days. To facilitate an expedited review, staff requests written responses to the enclosed data requests on or before September 27, 2019.

If you are unable to provide the information requested or need additional time, please send written notice to me and the Committee within 20 days of receipt of this letter. .

If you have any questions, please call me at (916) 651-0966, or email me at leonidas.payne@energy.ca.gov.

A handwritten signature in blue ink, appearing to read "L. Payne".

Leonidas Payne
Project Manager

Enclosure

Air Quality and Public Health

Authors: Brewster Birdsall

[Note: requests 1-67 appear in CEC Data Requests, Set 1 TN# 229276.]

The following data requests 68-70 seek additional clarification of issues raised in Set 1. Staff requested that the applicant conduct cumulative modeling analysis, including Walsh Data Center (WDC) and other new and planned sources within 6 miles of the WDC site (Data Request 8) and provide information dealing with the health risk assessment (Data Requests 56 and 58). More recently, the committee has asked that existing data centers located on the same 60 kV loop as WDC be “cumulatively modeled.” The three data request below will assist staff in preparing a cumulative modeling analysis consistent with the expectations of the committee.

BACKGROUND: PM EMISSIONS DURING OPERATION

The proposed standby engines would be certified to achieve Tier 2 emissions standards, with additional diesel particulate filters (DPF) to achieve a targeted emission factor of 0.01 grams per brake-horsepower-hour (g/hp-hr), shown in the application (p.57 and in Appendix AQ1, Table AQ1-1). This would represent a control effectiveness of over 93% from the Tier 2 standard of 0.15 g/hp-hr.

DATA REQUESTS

68. Please provide manufacturer or vendor information demonstrating DPF effectiveness that supports use of the proposed targeted PM10 and PM2.5 emission factor of 0.01 g/hp-hr (Table 4.3-7).
69. Please explain the basis of the values in Table 4.3-14 (p.60) and Table 4.3-19 (p.71) that show 0.0533 lb per hour for diesel particulate matter (DPM) from a single engine, model QSK95, because this rate appears to be inconsistent with the proposed target emission rate of 0.095 lb PM10 and PM2.5 per hour per engine. Notes in the Response to Data Request 58 (TN# 229543) and in the application (pp.57 and 58) state that DPM rates are the surrogate compound for whole diesel exhaust and would be equal to PM10 and PM2.5 rates.

BACKGROUND: AIR QUALITY AND PUBLIC HEALTH IMPACT ANALYSIS

The description of the generator yard (application p.13) indicates that the 32 (3-MW nameplate) standby engine-generator sets would be installed on two different levels. The drawings (north elevation in Figure 2-3) appear to show a horizontal point of release for the engines' emissions.

DATA REQUEST

70. Please confirm that all standby engine exhaust stacks would not have horizontal releases or rain-caps. If these exhaust stacks could be horizontal or capped, please update the dispersion modeling to include the appropriate feature as a modeled stack parameter.

Project Description

Author: Laiping Ng

BACKGROUND

Applicant provided Appendix PDDR-27 in response to Data Request 39 (Please provide a map showing the proposed transmission line route). However, no legend is provided with the response. Staff needs more detailed information and clear indication on the proposed 60-kilovolt (kV) interconnection route, and transmission poles than was provided in the Appendix PDDR-27.

DATA REQUESTS

71. Please provide a detailed description and drawing of the proposed 60-kV transmission line route, possible interconnection points to the existing Silicon Valley Power system, and possible pole locations. Please provide a legend and label the drawing to show the proposed line route, pole locations, and existing transmission facilities.