DOCKETED

Docket Number:	07-AFC-06C
Project Title:	Carlsbad Energy Center - Compliance
TN #:	203313
Document Title:	Project Owner Supplemental Response to Data Request Set 3 (No. 74)
Description:	(Revised Responses to Data Requests 74.e and 74.f)
Filer:	Dee Hutchinson
Organization:	Locke Lord LLP
Submitter Role:	Applicant Representative
Submission Date:	11/4/2014 3:31:57 PM
Docketed Date:	11/4/2014

Locke Lord LLP
Attorneys & Counselors

500 Capitol Mall, Suite 1800
Sacramento, CA 95814
Telephone: 916-930-2500
Fax: 916-930-2501
www.lockelord.com

John A. McKinsey
Direct Telephone: 916-930-2527
Direct Fax: 916-720-0443
jmckinsey@lockelord.com

November 4, 2014

VIA E-FILING

Carlsbad Energy Center Project (07-AFC-06C)
Mike Monasmith, Project Manager
California Energy Commission
1516 Ninth Street
Sacramento, CA 95814-5512

Re: Carlsbad Energy Center Project Petition to Amend (07-AFC-06C)
Supplemental Response to Data Request Set 3 (No. 74)
(Revised Responses to Data Requests 74.e. and 74.f)

Dear Mr. Monasmith:

California Energy Commission staff ("**Staff**") filed Data Request Set 3 (Nos. 67–85) (TN 203149) (the "**Data Requests**") on October 2, 2014, regarding Carlsbad Energy Center LLC's ("**Project Owner**") Petition to Remove Obsolete Facilities to Support Construction ("**PTR**") of the Carlsbad Energy Center Project (07-AFC-06C) ("**CECP**"), and Petition to Amend ("**PTA**") the CECP. On October 31, 2014, Project Owner filed responses to Data Requests Nos. 67-84 (TN 203300). Project Owner hereby submits supplemental responses to Data Request No. 74.

Please contact me if you have questions.

Locke Lord LLP

By: _____
John A. McKinsey
Attorneys for Carlsbad Energy Center LLC

JAM:dh
Enclosure

Carlsbad Energy Center Petition to Amend

(07-AFC-06C)

Supplemental Response to Data Request 74

(Revised responses to Data Requests 74.e. and 74.f)

Submitted to

California Energy Commission

Prepared by

Carlsbad Energy Center LLC

With Assistance from

CH2MHILL®

6 Hutton Centre Drive Suite 700
Santa Ana, CA 92707

November 4, 2014

Contents

Figures

Introduction

This supplemental filing provides an additional document that is responsive to CEC Staff's Data Request 74 and corrects some aspects of the response previously provided to Data Request 74 that was provided on October 31, 2014.

Specifically, the response to Data Request 74f erroneously refers to Figure DR74-1 as being responsive. The actual figure that was responsive to Data Request 74f was omitted. It is Figure DR 74-3 and is included with this supplemental response to Data Request 74. Figure DR74-1 was actually partially responsive to CEC Staff's Data Request 74e that asked for a three dimensional diagram of the connections.

The new Figure DR74-1 is also generally responsive to requests from members of the community and other parties to see what the project equipment and components would like if they were actually visible. Figure 74-1 shows a three dimensional "birds eye" view of the generation project looking down into the bowl from above.

Transmission System Engineering (74)

BACKGROUND: GENERATOR TIE LINES PHYSICAL LAYOUT PLAN

The submitted gen tie line routes descriptions and diagrams in the Data Responses, Set 1 are incomplete (the scale of the drawings do not appear to be correct) as shown in Figures DR23-1 & DR23-2. While staff appreciates the information provided, we nonetheless require more detailed and accurate information for the certification process.

SUPPLEMENTAL DATA REQUEST

74. Please provide a discussion, and revise and resubmit the physical layout of Figures DR 22-2, DR 23-1 and DR23-2 with corrected scale of the drawings that reflects the following requested information:

    a. For the proposed 230 kV and 138 kV gen tie lines along the 125-foot-wide right-of way (ROW) route, provide locations of the overhead poles, span lengths, the type of each pole including their height above ground level and underground cable termination poles. Also provide the total length of each 230 kV and 138 kV overhead gen tie line.

    b. Please provide the distance(s) between the newly proposed overhead gen tie lines along the eastern edge of the amended CECP (two most northerly 230kV poles, plus the new in-between 230kV pole separating the two following their movement from the top of the bowl, approximately ten feet west to the eastern edge of the lower perimeter road, which is approximately 25-ft below grade. Please provide the approximate distance of the three gen tie lines from the expected western right-of-way (ROW) boundary of the Caltrans North Coast Interstate-5 HOV/Management Lane Project (I-5 Widening Project). Please revise existing Figure DR 23-1 to illustrate the above.

    c. Provide the distance(s) of the overhead 138/230kV Line Cross-section Double Circuit pole Configuration gen tie lines along the southern boundary fence line of the proposed CECP, beginning at the furthest eastern point (near generation units 10 & 11), and ending at the termination point where the 138kV and 230kV lines separate.

    d. Provide the distance(s) of the 230 kV underground gen tie line (from the point where the line is first placed underground, near the NE corner of the existing SDG&E 138 kV switchyard, to the point where it emerges in the expanded SDG&E 230 kV switchyard.

    e. Please provide detailed 3-phase diagram(s) (plan and side view) showing positions of the two H-pole take-off structures (refine Figure DR 22-2) for the gen unit outlet lines in each amended CECP switchyard, the transitions between gen outlet lines and gen tie line(s) in the line dead end pole.

    f. Please include the position and relative height and size of the GE LMS 100 simple-cycle generation units based on specific size parameters listed in PTA Table 5.1E-1 (Equipment Structure Dimensions), in relation to Figure DR 22-2 (as was discussed during the September 24, 2015 public workshop in Carlsbad).

Supplemental Response:

In response to Data Request 74e and 74f the following figures are provided:

74e. A revised Figure DR74-1, containing a revised description of the Figure is hereby provided.

74f. New Figure DR74-3, showing a side view of a unit connection with heights labeled, is hereby provided.

FIGURE DR74-1
CECP Oblique Rendering
Carlsbad Energy Center Project
Carlsbad, California (07-AFC-06C)
Petition to Amend

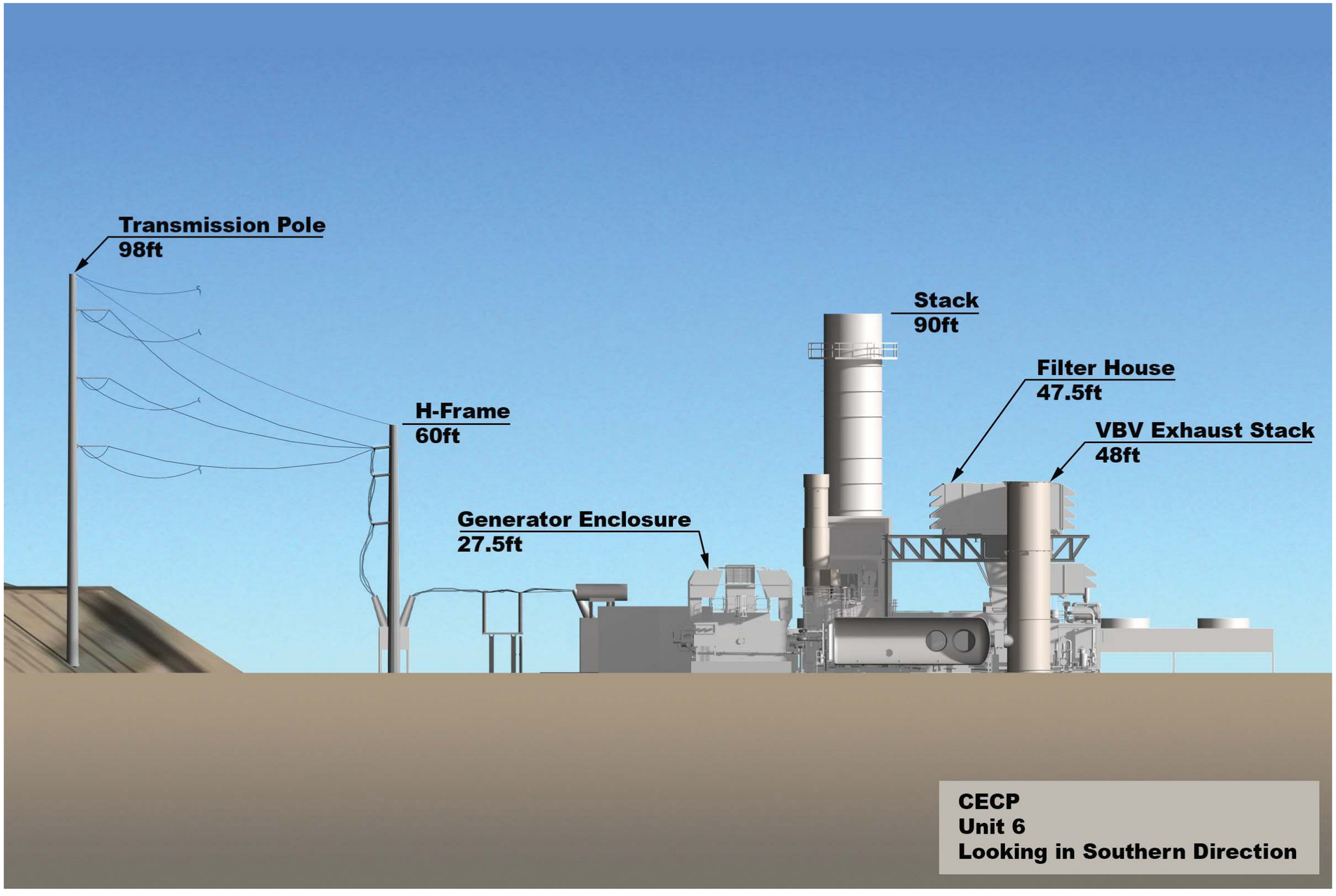

Figure DR 74-3
Position of GE LMS100 Unit to Transmission Line Pole
Carlsbad Energy Center Project
Carlsbad, California (07-AFC-06C)
Petition to Amend