

CALIFORNIA ENERGY COMMISSION

1516 NINTH STREET
SACRAMENTO, CA 95814-5512
www.energy.ca.gov

California Energy Commission

DOCKETED**11-AFC-3**

TN # 67677

OCT. 11 2012



October 11, 2012

Quail Brush Genco, LLC
Ms. Lori Ziebart
Project Manager
9405 Arrowpoint Boulevard
Charlotte, NC 28273

Regarding: **QUAIL BRUSH GENERATION PROJECT (11-AFC-3), Staff's Data Requests 87-89**

Dear Ms. Ziebart,

Pursuant to Title 20, California Code of Regulations, section 1716, the California Energy Commission staff requests the information specified in the enclosed data requests. The information requested is necessary to: 1) more fully understand the project, 2) assess whether the facility will be constructed and operated in compliance with applicable regulations, 3) assess whether the project will result in significant environmental impacts, 4) assess whether the facilities will be constructed and operated in a safe, efficient and reliable manner, and 5) assess potential mitigation measures.

These data requests, numbered 87-89, are being made in the technical area of Transmission System Engineering. Written responses to the enclosed data requests are due to the Energy Commission staff on or before November 12, 2012.

If you are unable to provide the information requested, need additional time, or object to providing the requested information, please send a written notice to the Committee and me within 20 days of receipt of this notice. The notification must contain the reasons for the inability to provide the information or the grounds for any objections (see Title 20, California Code of Regulations, section 1716 (f)).

If you have any questions regarding the enclosed data requests, please call me at (916) 651-0966.

Sincerely,


Eric Solorio
Siting Project Manager

Enclosure (Data Request Packet)
cc: Docket (11-AFC-3)

**QUAIL BRUSH GENERATION PROJECT
(11-AFC-3)**

Energy Commission Staff's Data Requests 87-89

October 11, 2012

Technical Area: Transmission System Engineering
Author: Ajoy Guha, P. E. and Mark Hesters

INTRODUCTION

Staff needs a complete description of the transmission interconnection facilities including the project switchyard, generation tie line and the interconnection to the existing transmission grid. These are facilities that fall under the licensing authority of the California Energy Commission and complete descriptions are required in order to analyze compliance with applicable laws, ordinances, regulations and standards.

For compliance with planning, reliability and interconnection standards and criteria, and the identification of direct or indirect downstream transmission reliability and delivery impacts, staff relies on the Phase II Interconnection Study Report (Group Report with the cluster projects in a transmission area including the proposed project) and the corresponding Phase II Individual Project Report for the interconnection of the proposed project (QBG) performed by the agencies responsible, in this case, the California Independent System Operator (CAISO) and San Diego Gas & Electric company (SDG&E).

BACKGROUND

Supplement 3 to the AFC does not include the following:

- One-line electrical diagram for the proposed SDG&E 138 kV switchyard (Section 2.1.3, Page 2-2).
- A clear drawing of the routes for the 138 kV loop lines showing rights of way (ROW) widths and alignment of the loop line (Section 2.1.5, Pages 2-3 and 2-4 & Figure 1.1-1).
- Adequate steel pole design diagrams for the single circuit or double circuit 138 kV loop lines (Section 2.1.5.1, Pages 2-4 & 2-6 & Figures 2.3-1, 2.3-2 & 2.3-3).

DATA REQUESTS

87. Please provide a complete one-line electrical diagram (final or tentative pending final) of the proposed SDG&E 138 kV switchyard with the transmission outlets showing configuration of buses, breakers with disconnect switches along with their respective sizes, ampere and voltage ratings. Also mention the name of the builder (the applicant or SDG&E) for the proposed SDG&E switchyard.
88. Please provide a physical layout drawing (final or tentative) showing distinctly (in a larger scale) the preferred and alternate #1 routes (along any roads, land or overhead line corridor) of the proposed 138 kV overhead loop lines between the proposed SDG&E 138 kV switchyard and the existing Mission-Carlton Hills 138 kV line. The drawing should show the existing or proposed road widths, ROW widths and any proposed extended (spur) road widths along with alignment of the proposed loop lines. Describe whether the ROWs would be through any private and/or public lands.
89. For single circuit loop lines construction, submit tangent steel pole design diagram (or resubmit Figure 2.3-1) showing configuration (vertical or triangular) of insulators, phase and ground conductors with their respective position

measurements on the pole including ground clearance from the lowest conductor and height of the pole above ground. Also include design diagrams of dead-end and angle steel poles with the above mentioned information (or resubmit Figures 2.3-2 and 2.3-3).

For the double-circuit loop line construction with vertical configuration of insulators and conductors, provide design diagrams for tangent, dead-end and angle steel poles with the information as stated above. Also mention the name of the builder (the applicant or SDG&E) for the proposed loop lines



**BEFORE THE ENERGY RESOURCES CONSERVATION AND DEVELOPMENT
COMMISSION OF THE STATE OF CALIFORNIA
1516 NINTH STREET, SACRAMENTO, CA 95814
1-800-822-6228 – WWW.ENERGY.CA.GOV**

***APPLICATION FOR CERTIFICATION FOR THE
QUAIL BRUSH GENERATION PROJECT***

**DOCKET NO. 11-AFC-03
PROOF OF SERVICE
(Revised 10/08/2012)**

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DECLARATION OF SERVICE

I, Diane L. Scott, declare that on October 11, 2012, I served and filed copies of the attached **QUAIL BRUSH GENERATION PROJECT (11-AFC-3) Staff's Data Requests 87-89** dated October 11, 2012. This document is accompanied by the most recent Proof of Service list, located on the web page for this project at: <http://www.energy.ca.gov/sitingcases/quailbrush/index.html>.

The document has been sent to the other parties in this proceeding (as shown on the Proof of Service list) and to the Commission's Docket Unit or Chief Counsel, as appropriate, in the following manner:

(Check all that Apply)

For service to all other parties:

- Served electronically to all e-mail addresses on the Proof of Service list;
- Served by delivering on this date, either personally, or for mailing with the U.S. Postal Service with first-class postage thereon fully prepaid, to the name and address of the person served, for mailing that same day in the ordinary course of business; that the envelope was sealed and placed for collection and mailing on that date to those addresses marked **"hard copy required"** or where no e-mail address is provided.

AND

For filing with the Docket Unit at the Energy Commission:

- by sending an electronic copy to the e-mail address below (preferred method); **OR**
- by depositing an original and 12 paper copies in the mail with the U.S. Postal Service with first class postage thereon fully prepaid, as follows:

CALIFORNIA ENERGY COMMISSION – DOCKET UNIT
Attn: Docket No. 11-AFC-03
1516 Ninth Street, MS-4
Sacramento, CA 95814-5512
docket@energy.ca.gov

OR, if filing a Petition for Reconsideration of Decision or Order pursuant to Title 20, § 1720:

- Served by delivering on this date one electronic copy by e-mail, and an original paper copy to the Chief Counsel at the following address, either personally, or for mailing with the U.S. Postal Service with first class postage thereon fully prepaid:

California Energy Commission
Michael J. Levy, Chief Counsel
1516 Ninth Street MS-14
Sacramento, CA 95814
michael.levy@energy.ca.gov

I declare under penalty of perjury under the laws of the State of California that the foregoing is true and correct, that I am employed in the county where this mailing occurred, and that I am over the age of 18 years and not a party to the proceeding.

Originally Signed By:

Diane L. Scott
Siting, Transmission and Environmental Protection Division