CALIFORNIA ENERGY COMMISSION
1516 NINTH STREET
SACRAMENTO, CA 95814-5512

August 29, 2008

DOCKET
07-AFC-6
DATE AUG 29 2008
RECD. AUG 29 2008

Tim Hemig
Director, Environmental & New Business
NRG Energy, Inc.
1817 Aston Avenue, Suite 104
Carlsbad, CA 92008

Dear Mr. Hemig:

CARLSBAD ENERGY CENTER PROJECT (07-AFC-6) DATA REQUESTS, SET 3

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, and 4) assess potential mitigation measures.

This set of data requests (Set 3, #125-128) is being made in the area of transmission system engineering. Written responses to the enclosed data requests are due to the Energy Commission staff on or before September 29, 2008, or a different date as may be mutually agreed.

If you are unable to provide the specific information requested, need additional time, or object to providing requested information, please send a written notice to both Commissioner James Boyd, Presiding Committee Member for the Carlsbad Energy Center Project, and to me within 20 days of receipt of this letter. If sent, this notification must contain the reason(s) for not providing the information, the need for additional time, and the grounds for any objections (see Title 20, California Code of Regulations, section 1716 (f)).

As always, if you have any questions, please call me at (916) 654-4894, or email me at mmonasmi@energy.state.ca.us.

Sincerely,

Mike Monasmith
Energy Facility Siting Project Manager

Enclosure
cc: POS

Proof of Service List (Revised on 7/30/08) filed with Original Document. Mailed from Sacramento on 8/29/08 MF).

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

BACKGROUND

The June 4, 2008 Interconnection Facilities Study (FS) report from the California ISO identified several changes to the project described in the Application for Certification. As originally proposed the project would connect to the existing Encina Substation using 138 kV and 230 kV interconnections and the existing switchyard facilities. According to the FS a new 230 kV switchyard is needed for the Carlsbad 230 kV interconnection. The 230 kV interconnection as shown in the FS includes the following facilities that were not described in the AFC:

- Construction of a new Encina 230 kV switchyard east of the existing Encina 230 kV switchyard with the transfer of transmission outlets from the existing switchyard to the new switchyard and other necessary changes in the existing switchyard.
- Installation of a new 230 kV underground cable tie line between the new Encina 230 kV switchyard and the proposed Carlsbad Energy Center project (CECP) 230 kV switchyard (instead of an overhead tie line to the existing Encina 230 kV switchyard.
- Building a new overhead 230 kV link line between the existing and new Encina 230 kV switchyards.

DATA REQUESTS

125. Provide an electrical one-line diagram of the new SDG&E Encina 230 kV switchyard showing configurations of buses, breakers and disconnect switches and their respective ratings, along with the new underground tie line and all transferred transmission outlets.

126. Provide a post-project electrical one-line diagram of the existing Encina 230 kV switchyard showing existing generator unit connection with configurations of buses, breakers and disconnect switches and their respective ratings, along with transmission outlets if any.

127. Provide the length, size, type and ampere rating of the proposed underground cable 230 kV tie line between the new Encina 230 kV switchyard and the proposed CECP 230 kV switchyard along with a sectional view of its construction. Also provide the length, size and ampere rating of the new overhead 230 kV line between the existing and new Encina 230 kV switchyards along with a drawing of an overhead pole with details of construction.

128. Provide pre and post-project physical layout drawings of the existing and new Encina 230 switchyards along with the proposed new CECP 138 kV and 230 kV switchyards showing all major equipment and transmission outlets.

Filename: TSE.doc
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Template: C:\Documents and Settings\jreede\Application Data\Microsoft\Templates\CECLTRHD.dot
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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 *CARLSBAD ENERGY CENTER PROJECT*

Docket No. 07-AFC-6
PROOF OF SERVICE
(Revised 7/30/2008)

INSTRUCTIONS: All parties shall 1) send an original signed document plus 12 copies OR 2) mail one original signed copy AND e-mail the document to the web address below, AND 3) all parties shall also send a printed OR electronic copy of the documents that shall include a proof of service declaration to each of the individuals on the proof of service:

CALIFORNIA ENERGY COMMISSION
Attn: Docket No. 07-AFC-6
1516 Ninth Street, MS-15
Sacramento, CA 95814-5512
docket@energy.state.ca.us

APPLICANT

David Lloyd
Carlsbad Energy Center, LLC
1817 Aston Avenue, Suite 104
Carlsbad, CA 92008
David.Lloyd@nrgenergy.com

Tim Hemig, Vice President
Carlsbad Energy Center, LLC
1817 Aston Avenue, Suite 104
Carlsbad, CA 92008
Tim.Hemig@nrgenergy.com

APPLICANT'S CONSULTANTS

Robert Mason, Project Manager
CH2M Hill, Inc.
3 Hutton Centre Drive, Ste. 200
Santa Ana, CA 92707
robert.Mason@ch2m.com

Megan Sebra
CH2M Hill, Inc.
2485 Natomas Park Drive, Ste. 600
Sacramento, CA 95833
Megan.Sebra@ch2m.com

COUNSEL FOR APPLICANT

John A. McKinsey
Stoel Rives LLP
980 Ninth Street, Ste. 1900
Sacramento, CA 95814
jamckinsey@stoel.com

INTERESTED AGENCIES

***California ISO**
P.O. Box 639014
Folsom, CA 95763-9014
e-recipient@casio.com

City of Carlsbad
Joseph Garuba,
Municipals Project Manager Manager
Ron Ball, Esq., City Attorney
1200 Carlsbad Village Drive
Carlsbad, CA 92008
jgaru@ci.carlsbad.ca.us
rball@ci.carlsbad.ca.us

Allan J Thompson
Attorney for the City
21 "C" Orinda Way #314
Orinda, CA 94563

INTERVENORS

California Unions for Reliable Energy ("CURE")
Suma Peesapati
Marc D. Joseph
Adams Broadwell Joseph & Cardozo
601 Gateway Boulevard, Suite 1000
South San Francisco, CA 94080
speesapati@adamsbroadwell.com

ENERGY COMMISSION

JAMES D. BOYD
Commissioner and Presiding Member
jboyd@energy.state.ca.us

KAREN DOUGLAS
Commissioner and Associate Member
kldougla@energy.state.ca.us

Paul Kramer
Hearing Officer
pkramer@energy.state.ca.us

Mike Monasmith
Siting Project Manager
mmonasmi@energy.state.ca.us

Dick Ratliff
Staff Counsel
dratliff@energy.state.ca.us

Public Advisor's Office
pao@energy.state.ca.us

DECLARATION OF SERVICE

I, Mineka Foggie, declare that on August 29, 2008, I deposited copies of the attached Data Requests Set 3, in the United States mail at Sacramento, CA with first-class postage thereon fully prepaid and addressed to those identified on the Proof of Service list above.

OR

Transmission via electronic mail was consistent with the requirements of California Code of Regulations, title 20, sections 1209, 1209.5, and 1210. All electronic copies were sent to all those identified on the Proof of Service list above.

I declare under penalty of perjury that the foregoing is true and correct.