

CALIFORNIA ENERGY COMMISSION

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



Stephen O'Kane
AES Southland, LLC
690 Studebaker Road
Long Beach, CA 90803

April 16, 2013

Regarding: **HUNTINGTON BEACH ENERGY PROJECT (12-AFC-02)**
Staff's Data Requests, 107 through 109

California Energy Commission

DOCKETED

12-AFC-02

TN # 70332

APR 16 2013

Dear Mr. O'Kane,

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 and 3) assess potential mitigation measures.

These data requests, numbered 107 through 109, are being made in the technical area of Public Health. Written responses to the enclosed data requests are due to the Energy Commission staff on or before May 16, 2013.

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) 654-4640.

Sincerely,


Felicia Miller
Siting Project Manager

Enclosure (Data Request Packet)
cc: Docket (12-AFC-02)

Huntington Beach Energy Project (12-AFC-2)
Data Requests

Technical Area: Public Health

Author: Huei-An Chu (Ann)

HEALTH RISK ASSESSMENT (HRA)

BACKGROUND

The applicant's HRA was prepared using the ARB's HARP model, version 1.4f (ARB, 2011) and HARP On-ramp program (version 1.0). The HARP On-ramp tool was used to import the American Meteorological Society/EPA Regulatory Model (AERMOD) air dispersion modeling results into the HARP Risk Module. Emissions of non-criteria pollutants from the project were analyzed using emission factors obtained mainly from the ARB California Air Toxics Emission Factors (CATEF) emission database (ARB, 2012). Air dispersion modeling combined the emissions with site-specific terrain and meteorological conditions to analyze the mean short-term and long-term concentrations in air for use in the HRA. Ambient concentrations were used in conjunction with Reference Exposure Levels (RELs) and cancer unit risk factors to estimate the cancer and non-cancer risks from operations.

Air Quality staff submitted a data request to require the applicant to update all the modeling submitted on the project to date using the new, 5-year meteorology data set provided by SCAQMD. Since the results of HRA are also subject to the results of air modeling, an updated HRA is necessary.

DATA REQUEST

107. After updating any air quality modeling using the new, 5-year meteorology data set provided by SCAQMD, please provide updated information for the corresponding HRA for air toxics, for both construction and operation.
108. Please provide updated information for the HRA using the SCAQMD's suggested formaldehyde emission factor, 3.6×10^{-4} lbs/MMBtu.
109. If the results of any health risk assessment results in a health risk of greater than 10 in a million, please provide a map containing health risk isopleths, including an isopleth showing the risk value of 10 in a million.



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
HUNTINGTON BEACH ENERGY PROJECT**

Docket No. 12-AFC-02
PROOF OF SERVICE
(Revised 03/26/2013)

SERVICE LIST:

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1516 Ninth Street, MS-4
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**OTHER ENERGY COMMISSION
PARTICIPANTS (LISTED FOR
CONVENIENCE ONLY):**

After docketing, the Docket Unit will provide a copy to the persons listed below. Do not send copies of documents to these persons unless specifically directed to do so.

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Hearing Adviser

Hazel Miranda
Adviser to Commissioner McAllister

Patrick Saxton
Adviser to Commissioner McAllister

Galen Lemei
Adviser to Commissioner Douglas

Jennifer Nelson
Adviser to Commissioner Douglas

Eileen Allen
Commissioners' Technical
Adviser for Facility Siting

DECLARATION OF SERVICE

I, Diane L. Scott, declare that on April 16, 2013, I served and filed copies of the attached **HUNTINGTON BEACH ENERGY PROJECT (12-AFC-02), Staff's Data Requests, 107 through 109**, dated April 16, 2013. This document is accompanied by the most recent Proof of Service, which I copied from the web page for this project at: http://www.energy.ca.gov/sitingcases/huntington_beach_energy/index.html.

The document has been sent to the other parties on the Service List above in the following manner:

(Check one)

For service to all other parties and filing with the Docket Unit at the Energy Commission:

- I e-mailed the document to all e-mail addresses on the Service List above and personally delivered it or deposited it in the US mail with first class postage to those parties noted above as "hard copy required"; **OR**
- Instead of e-mailing the document, I personally delivered it or deposited it in the US mail with first class postage to all of the persons on the Service List for whom a mailing address is given.

I declare under penalty of perjury under the laws of the State of California that the foregoing is true and correct, and that I am over the age of 18 years.

Dated: April 16, 2013



Diane L. Scott, *Project Assistant*
Siting, Transmission and Environmental Protections Division