

CALIFORNIA ENERGY COMMISSION

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

DOCKETED
12-AFC-02

TN # 69135

JAN. 15 2013



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

January 15, 2013

Regarding: **HUNTINGTON BEACH ENERGY PROJECT (12-AFC-02)**
Staff's Data Requests, 99 through 103

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, 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 99 through 103, are being made in the technical area of Soil and Water Resources. Written responses to the enclosed data requests are due to the Energy Commission staff on or before February 15, 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,

A handwritten signature in blue ink that reads "Felicia Miller".

Felicia Miller
Siting Project Manager

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

PROOF OF SERVICE (REVISED 12/24/12) FILED WITH
ORIGINAL IN SACRAMENTO ON 1/15/13
DLS

Technical Area: Soil & Water Resources
Author: Mike Conway

Background

Multiple predictive studies of relative sea-level rise indicate that the proposed project area could be affected during the life of the project. Projections indicate a relative mean sea-level rise along the southern California coast ranging from 4 to 30 centimeters (cm) by the year 2030 (CEC, 2009; NAS, 2012). The site geotechnical report (Ninyo & Moore, 2011) acknowledges future sea-level rise. An Energy Commission study (CEC, 2009) also shows the project site may have reduced flood protection and inundation potential in the future. A significant rise in local sea water levels would also raise groundwater levels, decrease relative flood protection currently afforded by levees along the Huntington Beach Flood Channel, raise the fluvial base level thereby increasing the rate and extent of flooding and potentially impact foundation integrity (increased liquefaction potential) of the power plant.

Data Requests

99. Please discuss how AES considered current and future sea levels in the design and location of critical plant equipment, or in the design and maintenance plans of flood protection infrastructure?
100. Please describe existing structures or those proposed to be installed that will provide adequate flood protection that incorporate predicted sea level rise, i.e. raised foundations, berms, etc. How else will the site maintain its current Federal Emergency Management Agency (FEMA) status?
101. Please describe whether the existing Huntington Beach Flood Channel is adequate for flood protection considering projected sea-level rise effects.
102. Please describe whether the applicant would have any role in maintenance of the Huntington Beach Flood Channel or other flood control facilities that would protect the site.
103. Please discuss whether foreseeable increases in groundwater levels due to projected sea-level rise would increase liquefaction potential.

References

CEC, 2009. The Impacts of Sea-Level Rise on the California Coast, Final Paper. California Energy Commission, Docket CEC-500-2009-024-F.

FEMA, 2012. Flood Insurance Rate Map 6059C0263J, December 3, 2009. Accessed at <https://msc.fema.gov>, on January 3, 2013.

NAS, 2012. Sea-Level Rise for the Coasts of California, Oregon, and Washington: Past, Present, and Future. National Academy of Sciences, Committee on Sea Level Rise in California, Oregon, and Washington. ISBN: 978-0-309-25594-3

Ninyo & Moore, 2011. Preliminary Geotechnical Evaluation, Huntington Beach Generating Station. Prepared by Ninyo & Moore, December 2, 2011.



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
(Revised 12/24/12)

SERVICE LIST:

APPLICANT

AES Southland, LLC
Stephen O'Kane
Jennifer Didio
690 Studebaker Road
Long Beach, CA 90803
stephen.okane@aes.com
jennifer.didlo@aes.com

California Coastal Commission
Tom Luster
45 Fremont Street, Suite 2000
San Francisco, CA 94105-2219
tluster@coastal.ca.gov

California State Parks
Huntington State Beach
Brian Ketterer
21601 Pacific Coast Highway
Huntington Beach, CA 92646
bketterer@parks.ca.gov

*Huntington Beach
Wetlands Conservancy
Jack Kirkorn, Director
21900 Pacific Coast Highway
Huntington Beach, CA 92646
jfk0480@aol.com

CONSULTANTS FOR APPLICANT

CH2MHill
Robert Mason
Project Manager
6 Hutton Centre Drive, Suite 700
Santa Ana, CA 92707
robert.mason@CH2M.com

City of Huntington Beach
Planning & Bldg. Department
Jane James
Scott Hess
*Aaron Klemm
2000 Main Street, 3rd floor
Huntington Beach, CA 92648
jjames@surfcity-hb.org
shess@surfcity-hb.org
*aaron.klemm@surf-city-hb.org

**ENERGY COMMISSION – PUBLIC
ADVISER**

Jennifer Jennings
Public Adviser's Office
publicadviser@energy.ca.gov

COUNSEL FOR APPLICANT

Stoel Rives, LLP
Melissa A. Foster
John A. McKinsey, Esq.
500 Capitol Mall, Suite 1600
Sacramento, CA 95814
mafoster@stoel.com
jamckinsey@stoel.com

City of Huntington Beach
City Council
Cathy Fikes
Johanna Stephenson
2000 Main Street, 4th floor
Huntington Beach, CA 92648
cfikes@surfcity-hb.org
johanna.stephenson@surfcity-hb.org

COMMISSION DOCKET UNIT

California Energy Commission –
Docket Unit
Attn: Docket No. 12-AFC-02
1516 Ninth Street, MS-4
Sacramento, CA 95814-5512
docket@energy.ca.gov

INTERVENOR

Jason Pyle
9071 Kapaa Drive
Huntington Beach, CA 92646
jasonpyle@me.com

INTERESTED AGENCIES

California ISO
e-recipient@caiso.com

Santa Ana Regional
Water Quality Board
Gary Stewart
3737 Main Street, Suite 500
Riverside, CA 92501-3339
gstewart@waterboards.ca.gov

**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.***

ANDREW MCALLISTER
Commissioner and Presiding Member

KAREN DOUGLAS
Commissioner and Associate Member

Raoul Renaud
Hearing Adviser

**OTHER ENERGY COMMISSION –
PARTICIPANTS (LISTED FOR
CONVENIENCE ONLY) (cont):**

Eileen Allen
Commissioners' Technical
Advisor for Facility Siting

David Hungerford
Advisor to Commissioner McAllister

Patrick Saxton
Advisor to Commissioner McAllister

Galen Lemei
Advisor to Commissioner Douglas

Jennifer Nelson
Advisor to Commissioner Douglas

Felicia Miller
Project Manager

Kevin W. Bell
Staff Counsel

DECLARATION OF SERVICE

I, Diane L. Scott, declare that on January 15, 2013, I served and filed a copy of the attached **HUNTINGTON BEACH ENERGY PROJECT (12-AFC-02) Staff's Data Requests, 99 through 103**, dated January 15 2013. 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/huntington_beach_energy/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, as appropriate, 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 email 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 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: January 15, 2013


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