

CALIFORNIA ENERGY COMMISSION

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

California Energy Commission

**DOCKETED
12-AFC-3**

TN # 68783

DEC. 04 2012



NOTICE OF RECEIPT OF AN APPLICATION FOR CERTIFICATION FOR THE REDONDO BEACH ENERGY PROJECT (12-AFC-03)

On November 20, 2012, AES Southland, LLC submitted an Application for Certification (AFC) to construct, own and operate the Redondo Beach Energy Project (RBEP). RBEP would be located on approximately 50 acres of privately owned land located at 1100 North Harbor Drive in the City of Redondo Beach, Los Angeles County, California. The site for the proposed project is southeast of, and adjacent to, the North Harbor Drive and Herondo Street intersection and would utilize 10.5 acres in addition to a 2.2 acre existing switchyard located entirely within the approximately 50-acre footprint of the existing Redondo Beach Generating Station.

PROJECT DESCRIPTION

RBEP is a proposed natural gas-fired, combined-cycle, air-cooled electrical generating facility with a net generating capacity of 496 megawatt (MW) and would be constructed on the site of, and eventually replace, the AES Redondo Beach Generating Station. RBEP would consist of one three-on-one, combined-cycle gas turbine power block with three natural gas-fired combustion turbine generators (CTG), three supplemental-fired heat recovery steam generators (HRSG), one steam turbine generator (STG), an air-cooled condenser, to replace the once-through cooling used by the current facility, and related ancillary equipment. Other equipment and facilities to be constructed include natural gas compressors, water treatment facilities, emergency services, and administration and maintenance buildings. The existing Redondo Beach Generating Station Units 1 through 8 and auxiliary boiler no. 17 will be demolished as part of the project. (Units 1, 2, 3, and 4 have been retired. Units 5, 6, 7, and 8 are currently in use.) The Wyland Whaling Wall would be dismantled and moved to a new location directly in front of the proposed power block.

RBEP will include the following principal design elements:

- Three Mitsubishi Power Systems Americas (MPSA) 501D CTGs with a nominal rating of 119 MW each. The CTGs will be equipped with evaporative coolers on the inlet air system and dry low oxides of nitrogen (NOx) combustors.
- One MPSA single-cylinder, single flow, impulse, axial exhaust condensing STG rated at 151 MW.
- Three HRSGs, each with a natural gas-fired duct burner for supplemental firing, an emission reduction system consisting of a selective catalytic reduction (SCR) unit to control NOx emissions, and an oxidation catalyst to control carbon monoxide (CO) and volatile organic compounds (VOC) emissions.
- One air-cooled condenser and one closed-loop fin fan cooler.
- A 230-kilovolt (kV) interconnection to the existing onsite Southern California Edison (SCE) switchyard.

- Direct connection with the existing onsite Southern California Gas Company (SoCalGas) 20-inch diameter natural gas pipeline.
- Connection to the existing onsite potable water line.
- Connection to the existing onsite sanitary pipeline and to the existing ocean outfall.
- Demolition of retired Units 1, 2, 3, and 4.
- Demolition of operating Units 5, 6, 7, and 8 and auxiliary boiler no. 17.
- Demolition of existing administrative buildings and ancillary facilities.

RBEP would reuse the existing natural gas, water, sewer, and high-voltage interconnections to the site; no offsite linear developments are proposed as part of the project. RBEP would continue the use of potable water for construction, operational process, and sanitary uses, but at substantially less volumes than historically used by the Redondo Beach Generating Station. Potable water would continue to be provided by the California Water Service Company. The new generating units would employ an air-cooled condenser and would eliminate the use of ocean water at the site. During RBEP operation, stormwater and process wastewater would be discharged to a retention basin and then ultimately to the Pacific Ocean via the existing ocean outfall. Sanitary wastewater would be conveyed to the Los Angeles County Sanitation District via the existing City of Redondo Beach sewer connection. RBEP would connect to the existing SCE 230-kV switchyard via a new onsite interconnection.

If the RBEP AFC is approved by the Energy Commission, construction and demolition activities at the project site are anticipated to last 60 months, from January 2016 until December 2020. The first activities to occur onsite would be the dismantling and partial removal of retired Units 1-4. The major generating equipment including steam turbines, generators, boilers, and duct work would be removed, leaving the administration building and western portion of the building that houses Units 1-4 intact. These buildings will be left standing temporarily to provide screening between the construction site of the new power block and Harbor Drive. Construction of the new power block would begin in the first quarter of 2017 and continue to the end of the second quarter 2019, when it would be ready for commercial operation. Although operational, construction would continue through 2019 including construction of the new control building and the relocation of the Wyland Whaling Wall. The existing Units 5-8 and auxiliary boiler no. 17 would remain in service until the second quarter of 2018. Units 5-8 and auxiliary boiler no. 17 would be demolished starting the first quarter of 2019 through the fourth quarter of 2020. During the demolition and removal of Units 5-8, the Wyland Whaling Wall would be dismantled and moved to a new location directly in front of the new power block. Finally, the remaining buildings and structures left standing would be demolished and removed by the end of 2020.

ENERGY COMMISSION'S SITE CERTIFICATION PROCESS

The Energy Commission is responsible for reviewing and ultimately approving or denying all applications to construct and operate thermal electric power plants, 50 MW and greater, in California. The Energy Commission's facility certification process

carefully examines public health and safety, environmental impacts and engineering aspects of proposed power plants and all related facilities such as electric transmission lines and natural gas and water pipelines. The Energy Commission is the Lead Agency under the California Environmental Quality Act (CEQA), and because the siting process is a certified regulatory program, the Energy Commission produces several environmental and decision documents rather than an Environmental Impact Report. The issuance of a certificate by the Energy Commission is in lieu of any local or state permits, and federal permits to the extent permitted by federal law.

The first step in the review process is for Energy Commission staff to determine whether the AFC contains all the information required by Energy Commission regulations. When the AFC is deemed data adequate by the Energy Commission at a Business Meeting, a committee of two Commissioners will be assigned to oversee the proceeding. At that time, the discovery and analysis phases begin when a detailed examination of the issues will occur.

Under its certified regulatory program, the Energy Commission staff prepares and publishes both, a Preliminary Staff Assessment (PSA) and a Final Staff Assessment (FSA). After allowing for a public comment period on the PSA, staff will prepare and publish the FSA which will serve as staff's expert testimony in evidentiary hearings to be held by the Energy Commission Committee assigned to hear this case. The Committee will hold evidentiary hearings and will consider the testimony and opinions presented by staff, applicant, intervenors, government agencies, and the public, prior to proposing its decision. In the last step, the full Energy Commission will issue the final decision.

As part of the review process, the staff of the Energy Commission endeavors to work closely with local, state, and federal agencies to ensure that all laws, ordinances, regulations and standards are met and incorporated into the final decision of the Energy Commission.

PUBLIC PARTICIPATION

Over the coming months, the Energy Commission will conduct a number of public workshops and hearings on the proposal to determine whether the proposed project should be approved for construction and operation and under what set of conditions. These workshops and hearings will provide the public, as well as local, state and federal agencies, the opportunity to ask questions about, and provide input on, the proposed project. The Energy Commission will issue notices for these workshops and hearings at least 10 days prior to each meeting.

This notice of receipt has been mailed to all parties that requested placement on the mailing list during the pre-filing period, to property owners located within 1000 feet of the proposed project site and 500 feet of a project linear features (e.g. pipeline) and residents located within ½ mile (2640 feet). **If you want to continue to receive notices of all project-related activities and notices when documents related to the proposed project's evaluation are available for review, you must, sign up on the e-mail list serve at www.energy.ca.gov/listservers/.** If you are unable to receive

future notices by e-mail and would like future notices to be sent to you in the mail, you must mail back the attached reply form or contact Alicia Campos, Project Assistant, at (916) 651-9106, or by e-mail at alicia.campos@energy.ca.gov.

You can find information about the project and proceedings on the project website: http://www.energy.ca.gov/sitingcases/redondo_beach/index.html . Please direct your technical or project schedule questions to Patricia Kelly, Project Manager, at (916) 654-4063, or by e-mail at patricia.kelly@energy.ca.gov.

Agencies and members of the public who wish to provide written comments on the project are asked to submit comments to the Energy Commission Dockets Unit. Please include the docket number 12-AFC-03 in the subject line or first paragraph of your comments. Those submitting comments electronically should provide them in either Microsoft Word format or as a Portable Document Format (PDF) to docket@energy.ca.gov. Please include your name or organization's name in the file name. Those preparing non-electronic written comments should mail or hand deliver them to:

California Energy Commission
Dockets Unit, MS-4
Docket No. 12-AFC-03
1516 Ninth Street
Sacramento, CA 95814-5512

All written comments and materials filed with the Dockets Unit will become part of the public record of the proceeding. Additionally, comments may be posted on the website. If you desire information on participating in the Energy Commission's review of the project, please contact the Energy Commission's Public Advisor at (916) 654-4489 or toll free in California, at (800) 822-6228. The Public Advisor's Office can also be contacted via email at publicadvisor@energy.ca.gov.

AVAILABILITY OF THE AFC DOCUMENT

Copies of the AFC will be available for public inspection at the following public libraries:

Redondo Beach Public Library 303 North Pacific Coast Highway Redondo Beach, CA 90277	Hermosa Beach Public Library 550 Pier Avenue Hermosa Beach, CA 90254
Katy Geissert Civic Center Library 3301 Torrance Blvd Torrance, CA 90503	Rancho Palos Verdes Estates Public Library 29089 Palos Verdes Drive East Rancho Palos Verdes, CA 90275
Manhattan Branch Library 1320 Highland Avenue Manhattan Beach, CA 90266	

Copies are also available at the Energy Commission's Library in Sacramento, the California State Library in Sacramento, and at California public libraries in Eureka, Fresno, San Francisco, Los Angeles, and San Diego. In addition, copies will be distributed to those public agencies that would normally have jurisdiction except for the Energy Commission's exclusive authority to certify sites and related facilities.

Date: 12/5/12

Sincerely,



Roger E. Johnson, Deputy Director
Siting, Transmission and Environmental
Protection Division

Mailed to:
General List (MS-15A)
Property Owner List (MS-15B)

I need to receive a paper copy of all notices via U.S. Post Office to my mailing address:

PLEASE PRINT CLEARLY

Name: _____

Address: _____

City, State Zip: _____

FOLD HERE

Place Stamp Here

California Energy Commission
Attention: Alicia Campos
1516 Ninth Street, MS-15
Sacramento, CA 95814-5512

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Staple or Tape closed