CALIFORNIA ENERGY COMMISSION
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SACRAMENTO, CA 95814-5512
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NOTICE OF RECEIPT OF AN APPLICATION FOR CERTIFICATION FOR THE HUNTINGTON BEACH ENERGY PROJECT (12-AFC-02)

On June 27, 2012, AES, Inc. submitted an Application for Certification (AFC) to construct, own and operate the Huntington Beach Energy Project (HBEP). HBEP will be located on 28.6 acres of privately owned land located in an industrial area of Huntington Beach, California at 21730 Newland Street, just north of the intersection of the Pacific Coast Highway (Highway 1) and Newland Street. The project will be located entirely within the existing Huntington Beach Generating Station, an operating power plant.

PROJECT DESCRIPTION

HBEP would be a natural gas-fired, combined-cycle, air-cooled, 939-megawatt (MW) electrical generating facility that will replace, and be constructed on 28.6 acres entirely within the footprint of the existing and operating AES Huntington Beach Generating Station. HBEP would consist of two independently operating, three-on-one, combined-cycle gas turbine power blocks. Each power block will consist of 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, and related ancillary equipment. Other equipment and facilities to be constructed and shared by both power blocks include natural gas compressors, water treatment facilities, emergency services, and administration and maintenance buildings.

Each power block would include the following principal combined design elements:

- Three Mitsubishi Power Systems Americas (MPSA) 501DA CTGs with a nominal rating of 118 MW each. The CTGs will be equipped with evaporative coolers on the inlet air system and dry oxides of nitrogen (NOx) combustors.
- One MPSA single-cylinder, single flow, impulse, axial exhaust condensing STG.
- Three HRSGs, which will be horizontal, single-pressure, and natural circulation. Each HRSG has a natural gas-fired duct burner for supplemental firing in the HRSG inlet ductwork and an emission reduction system consisting of a selective catalytic reduction (SCR) unit to control NOx stack emissions, and an oxidation catalyst to control carbon monoxide (CO) and volatile organic compounds (VOC) emissions in the outlet ductwork.
- One air-cooled condenser and two closed-loop cooling fin fan coolers.
- One 230kv interconnection to the existing onsite Southern California Edison (SCE) 230kv switchyard.
- Direct connection with the existing onsite Southern California Gas Company (SoCalGas) natural gas16-inch-diameter gas main.

- Connection to an existing onsite 8-inch-diameter potable water line.

- Connection to an existing City of Huntington Beach 4-inch-diameter combined sanitary and process forced main sewer line.

HBEP will reuse existing onsite potable water, natural gas, stormwater, process wastewater, and sanitary pipelines and electrical transmission facilities. No offsite linear developments are proposed as part of the project. HBEP will continue to use potable water, provided by the City of Huntington Beach, for construction, operational process, and sanitary uses, but at substantially lower volumes than historically used by the existing generation units at the Huntington Beach Generating Station.

Following completion of project licensing, HBEP construction will require the removal of the existing Huntington Beach Generating Station Units 1, 2, and 5. Demolition of Unit 5, scheduled to occur between the fourth quarter of 2014 and the end of 2015, will provide the space for the construction of HBEP Block 1. Construction of Block 1 and 2 are expected to take approximately 42 to 30 months, respectively, with Block 1 construction scheduled to occur from the first quarter of 2015 through the second quarter of 2018, and Block 2 construction scheduled to occur from the first quarter of 2018 through the second quarter of 2020. Removal/demolition of existing Huntington Beach Generating Station Units 1 and 2 is scheduled to occur from the fourth quarter of 2020 through the third quarter of 2022.

Existing Huntington Beach Generating Station Units 3 and 4 were licensed through the California Energy Commission (00-AFC-13C) and demolition of these units is authorized under that license and will proceed irrespective of the HBEP. Therefore, demolition of existing Huntington Beach Generating Station Units 3 and 4 is not part of the HBEP project definition. However, to ensure a comprehensive review of potential project impacts, the demolition of existing Huntington Beach Generating Station Units 3 and 4 is included in the cumulative impact assessment. Removal/demolition of existing Huntington Beach Generation Station Units 3 and 4 would be in advance of the construction of HBEP Block 2.

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 has a certified regulatory program and is the lead agency under the California Environmental Quality Act (CEQA).

The first step in the review process is for Energy Commission staff to determine whether or not the AFC contains all the information and data required by our

regulations. The Energy Commission deemed the AFC complete on August 9, 2012, and staff has begun the discovery and issue analysis phases. At this time, a detailed and thorough examination of issues is taking place.

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 and to property owners located within 1000 feet of the proposed project site and 500 feet of a project linear feature (e.g. pipeline). By being on the mailing list, you will receive notices of all project-related activities and notices when documents related to the proposed project's evaluation are available for review. Alternately, if you would prefer to receive e-mail notifications about project related meetings and documents, sign up on the list serve at www.energy.ca.gov/listservers/. If you want your name removed from the posted mailing list, please contact Diane Scott, Project Assistant at (916) 654-4237, or by e-mail at Diane.Scott@energy.ca.gov. Please direct your technical or project schedule questions to Felicia Miller, Project Manager at (916) 654-4640, or by e-mail at Felicia.Miller@energy.ca.gov.

If you desire information on participating in the Energy Commission's review of the project, please contact the Energy Commission's Public Adviser Jennifer Jennings at (916) 654-4489 or toll free in California at (800) 822-6228. The Public Adviser's Office can also be contacted via email at publicadviser@energy.ca. gov.

AVAILABILITY OF THE AFC DOCUMENT

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

Huntington Beach Public Library **7111 Talbert Avenue** **Huntington Beach, CA 92648**	**Orange County Public Library HQ** **1501 E Street Andrew Place** **Santa Ana, CA 92705**

Costa Mesa/Donald Dungan Library **1855 Park Avenue** **Costa Mesa, CA 92627**	**Costa Mesa/Mesa Verde Library** **2969 Mesa Verde Drive** **Costa Mesa, CA 92626**
Mary Wilson Library **707 Electric Avenue** **Seal Beach, CA 90740**	**Fountain Valley Library** **17635 Los Alamos** **Fountain Valley, CA 92708**

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.

Sincerely,

Chris Davis, Manager
Energy Facilities Siting Office

Date: 8.30.12

Mailing lists: 7437