

## DOCKETED

<b>Docket Number:</b>	16-AFC-01
<b>Project Title:</b>	Stanton Energy Reliability Center
<b>TN #:</b>	214370
<b>Document Title:</b>	Notice of Receipt of an Application for Certification for the Stanton Energy Reliability Center (16-AFC-01)
<b>Description:</b>	N/A
<b>Filer:</b>	Marichka Haws
<b>Organization:</b>	California Energy Commission
<b>Submitter Role:</b>	Commission Staff
<b>Submission Date:</b>	11/4/2016 2:45:22 PM
<b>Docketed Date:</b>	11/4/2016

**CALIFORNIA ENERGY COMMISSION**

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



## **NOTICE OF RECEIPT OF AN APPLICATION FOR CERTIFICATION FOR THE STANTON ENERGY RELIABILITY CENTER (16-AFC-01)**

On October 26, 2016 Stanton Energy Reliability Center, LLC (SERC, LLC) (Applicant), filed an Application for Certification (AFC) to construct and operate an electrical generating facility in the city of Stanton, at 10711 Dale Avenue, Orange County, California. The facility will be located on two parcels with a combined 3.9 acres in an Industrial General zoned district of the city. Land uses surrounding the site include the city of Stanton's industrial area to the north and south, consisting of commercial/industrial warehouse-based business, public storage facility, an elementary school to the north of the industrial/commercial area, public/quasi-public utility areas to the east, consisting of the SCE Barre Peaker power plant and Barre Substation, and high- and medium-density residential uses to the southeast and northwest.

### **PROJECT DESCRIPTION**

The facility, the Stanton Energy Reliability Center (SERC), will consist of two General Electric (GE) LM6000-based EGTs. EGT refers to the LM6000 PC Hybrid EGT jointly developed by General Electric International, Inc. (GE) and Wellhead Power Solutions. The EGT combines a combustion gas turbine with an integrated battery storage component operated by a proprietary software system.

The two GE LM6000 PC units will be natural gas-fired, simple-cycle combustion turbines, each with a clutch to provide operational flexibility as a synchronous condenser and an integrated 10-megawatt (MW) GE Battery Energy Storage System. In total, SERC is proposing to provide 98 MW (nominal) of capacity.

SERC will provide needed generation for local reliability in Southern California Edison (SCE) West Los Angeles Basin Subarea and was selected as part of SCE's 2013 Local Capacity Requirements Request for Offers sanctioned by the California Public Utility Commission (CPUC).

Construction of SERC is anticipated to begin in the 4<sup>th</sup> quarter of 2018. Pre-operational testing would begin in the 3<sup>rd</sup> quarter of 2019 with full-scale commercial operation to begin in the 4<sup>th</sup> quarter of 2019.

### **Project Elements:**

- Two GE Energy LM6000 PC combustion turbine generators (CTGs) equipped with selective catalytic reduction air emissions control equipment and associated support equipment for nitrogen oxides (NOx) and carbon monoxide (CO) control.

- Two sets of lithium-ion batteries housed in specially constructed battery enclosures, each with a nominal capacity of 10 MW (total 20 MW) and 5 megawatt hours of storage (total 10 megawatt hours).
- Interconnection to SCE's Barre Substation via a 0.35-mile-long underground generator tie-line that runs from the SERC site east to the substation.
- Natural gas pipeline connection via either a new 12- or 16-inch-diameter pipeline that will extend either 2.75 miles north along Dale Avenue to Southern California Gas Company's (SoCalGas's) Line 1014 at La Palma Avenue or 1.78 miles south along Dale Avenue to SoCalGas's Line 1244 at Lampson Avenue.
- Process and potable water supply from Golden State Water Company via connections on the east to Dale Avenue and on the west to Pacific Street.
- Industrial wastewater will be discharged to the city of Stanton sanitary sewer line in Pacific Street to the west of the project or Dale Avenue to the southeast of the project.
- Temporary construction facilities would include a 2.89-acre worker parking area at the Bethel Romanian Pentecostal Church, 350 feet south of the SERC site along Dale Avenue<sup>1</sup>. The construction laydown area for the gas-fired power plant will be on the western part of the site, where the battery storage system would be constructed after construction of the gas turbine part of the EGT is complete.

## **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 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). 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 permit, and federal permit 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 Title 20, California Code of Regulations, Division 2, Chapter 5, Article 6, Appendix B. When the AFC is deemed complete, Energy Commission staff will begin the discovery and issue analysis phases. At that time, a detailed examination of the issues will occur.

Under its certified regulatory program, the Energy Commission prepares and publishes both a Preliminary Staff Assessment (PSA) and a Final Staff Assessment (FSA). After

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<sup>1</sup> SERC, LLC is currently in negotiations with church representatives for use of the parking lot.

allowing for a public comment period on the PSA and holding public workshops, staff will prepare and publish the FSA which will serve as staff's formal 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 recommendations 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 considered in the final decision of the Energy Commission.

## **PUBLIC PARTICIPATION**

Over the coming months, the Energy Commission will conduct public workshops and hearings to determine whether the proposed project should be approved for construction and operation and if so, 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 property owners located within 1000 feet of the proposed project site and 500 feet of a project linear feature (e.g. pipeline). A link to the project webpage has been emailed to all parties who have signed up for the Energy Commission Listserv. By being on the Listserv, you will receive notices of all project-related activities, documents, notices, workshops, and hearings for the proposed project's evaluation. You can sign up on the project Listserv at <http://www.energy.ca.gov/sitingcases/stanton/>. If you want your name removed from the mailing list, please contact Marichka Haws, Project Assistant, at (916) 651-9106, or by e-mail at [Marichka.Haws@energy.ca.gov](mailto:Marichka.Haws@energy.ca.gov).

You can find the AFC and other information about the project and proceedings on the project website: <http://www.energy.ca.gov/sitingcases/stanton/>. Please direct your technical or project schedule questions to John Heiser, Project Manager at (916) 653-8236, or by e-mail at [John.Heiser@energy.ca.gov](mailto:John.Heiser@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, 16-AFC-01, in the subject line or first paragraph of your comments. Those submitting comments electronically should provide them in either Microsoft Word format or Portable Document Format (PDF) to [docket@energy.ca.gov](mailto:docket@energy.ca.gov). Please include your name or organization's name in the subject line. Those preparing non-electronic written comments should mail or hand deliver them to:

California Energy Commission  
Dockets Unit, MS-4  
Docket No. 16-AFC-01  
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 Adviser, Alana Mathews, 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](mailto:publicadviser@energy.ca.gov).

**AVAILABILITY OF THE AFC DOCUMENT**

Copies of the AFC are available on the project website: <http://www.energy.ca.gov/sitingcases/stanton/> and for public inspection at the following public libraries:

<b>Stanton Library</b> 7850 Katella Ave. Stanton, CA 90680	<b>Garden Grove Chapman Library</b> 9182 Chapman Ave. Garden Grove, CA 92841
<b>Garden Grove Library</b> 11200 Stanford Ave. Garden Grove, CA 92840	<b>Garden Grove – Tibor Rubin Library</b> 11962 Bailey Street Garden Grove, CA 92845

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.

This Notice of Receipt is being provided to interested parties and property owners adjacent to the facility site. This notice is being mailed to the Stanton mail list and sent electronically to the Stanton list server. The list server is an automated e-mail system by which information can be distributed to all parties who have subscribed. You can subscribe from the SERC webpage at <http://www.energy.ca.gov/sitingcases/stanton/>.

**Contact:** If you have questions about this notice, please contact John Heiser, Project Manager, at (916) 653-8236, or by fax to (916) 654-3882, or via e-mail at [John.Heiser@energy.ca.gov](mailto:John.Heiser@energy.ca.gov).

**Public Participation:** The Energy Commission's Public Adviser's Office is available to provide the public with an understanding of the proceedings and to make recommendations for meaningful participation. For assistance, contact Alana Mathews, Public Adviser, at (916) 654-4489, or toll free in California at (800) 822-6228, or by email at [publicadviser@energy.ca.gov](mailto:publicadviser@energy.ca.gov).

News media inquiries should be directed to the Energy Commission Media Office at (916) 654-4989, or by e-mail at [mediaoffice@energy.ca.gov](mailto:mediaoffice@energy.ca.gov).

Date: 11/04/2016

Original Signed by Chris Davis  
CHRIS DAVIS, Siting Office Manager

cc: Mail List: 7519  
Stanton Energy Reliability Center List Serve  
California Energy Commission Siting Division General List Serve