

## DOCKETED

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<b>Project Title:</b>	Stanton Energy Reliability Center
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## Memorandum

**Date:** April 7, 2017  
**Telephone:** (916) 653-8236

**To:** Commissioner Janea Scott, Presiding Member  
Commissioner Karen Douglas, Associate Member  
Hearing Officer, Ken Celli

**From:** **California Energy Commission** – John Heiser, Project Manager  
1516 Ninth Street  
Sacramento, CA 95814-5512

**Subject:** **STANTON ENERGY RELIABILITY CENTER (16-AFC-01) ISSUES IDENTIFICATION REPORT**

Attached is staff's Issues Identification Report for the Stanton Energy Reliability Center (Stanton) Application for Certification (AFC) (16-AFC-01). This report is a preliminary scoping document that identifies issues that the California Energy Commission staff believes will require attention and consideration, or could cause delay in processing the application. After reviewing the AFC staff has so far not found any major issues that could cause delay in the processing of the AFC. This report also provides a proposed schedule pursuant to the 12-month Application for Certification process. Energy Commission staff will present the Issues Identification Report at the Informational Hearing and Site Visit to be held on April 17, 2017.

cc: Docket (16-AFC-01)  
Proof of Service List

Attachment: (1) Issues Identification Report

**STANTON ENERGY RELIABILITY CENTER**  
(16-AFC-01)

**ISSUES IDENTIFICATION REPORT**  
April 7, 2017

**CALIFORNIA ENERGY COMMISSION**  
**Siting, Transmission and Environmental Protection Division**

## **ISSUES IDENTIFICATION REPORT**

This report has been prepared by the California Energy Commission staff to inform the Stanton Energy Reliability Center (Stanton) Committee and all interested parties of the potential issues that have been identified in the review of the Application for Certification (AFC) thus far. Energy Commission staff have not identified any major issues related to this project during staff's review of the Stanton AFC (16-AFC-01). Staff continues to coordinate with South Coast Air Quality Management District (SCAQMD), and continues to coordinate with federal, state, and local agencies. The Issues Identification Report contains a project description, and a discussion of the proposed project schedule.

# PROJECT DESCRIPTION

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## Project Location & Site Description

The Stanton project would be located on disturbed vacant land located within the Stanton city limits, at 10711 Dale Avenue, Orange County, California. As proposed, the facility would be located on two parcels with a combined 3.978 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 businesses, a 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 (Stanton), would consist of two General Electric (GE) LM6000-based natural gas-fired Electric Gas Turbine (EGT) simple-cycle combustion turbine generators (CTGs). EGT refers to the LM6000 PC Hybrid EGT jointly developed by General Electric International, Inc. and Wellhead Power Solutions.

The EGT combines two GE LM6000 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, Stanton is proposing to provide 98 MW (net) of capacity.

Stanton would provide generation for local reliability in the Southern California Edison (SCE) West Los Angeles Basin Subarea and was selected as part of SCE's 2013 Local Capacity Requirements Request for Offers. The power purchase agreement between SCE and Stanton was approved by the California Public Utilities Commission (CPUC).

If approved, Stanton is anticipated to begin construction 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 Stanton 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 (SoCal Gas's) Line 1014 at La Palma Avenue or 1.78 miles south along Dale Avenue to SoCal Gas'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 Stanton site along Dale Avenue. The applicant is currently in negotiations for use of the parking area. The construction laydown area for the gas-fired power plant would 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.

## **SOCIOECONOMICS/ENVIRONMENTAL JUSTICE**

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As required under the environmental justice policy of the California Natural Resources Agency, the Energy Commission must consider environmental justice in its decision-making process if the Commission's actions would have an impact on the environment, environmental laws, or policies. California law defines environmental justice as "the fair treatment of people of all races, cultures and income with respect to the development, adoption, implementation, and enforcement of environmental laws, regulations, and policies" (Gov. Code, § 65040.12; Pub. Resources Code, § 72000).

Energy Commission staff will be conducting demographic screening based on information contained in two United States Environmental Protection Agency documents: *Guidance on Considering Environmental Justice During the Development of Regulatory Actions* and *Technical Guidance for Assessing Environmental Justice in Regulatory Analysis*. The intention is to identify minority, low income, and native populations potentially affected by the proposed project. If an environmental justice population exists within areas potentially affected by the project, staff's analyses in the technical disciplines of Air Quality, Cultural Resources, Hazardous Materials Management, Land Use, Noise and Vibration, Public Health, Socioeconomics, Soil and Water Resources, Traffic and Transportation, Transmission Line Safety and Nuisance, Visual Resources, and Waste Management will consider the impacts of the project on the environmental justice population and whether the impacts are disproportionate. As applicable, data from California Environmental Protection Agency's CalEnviroScreen 3.0 is used to supplement the environmental justice analyses in the areas of Air Quality, Public Health, Soil and Water Resources, Traffic and Transportation, and Waste Management.

## POTENTIAL MAJOR ISSUES

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This portion of the report contains a discussion of the potential major issues that staff has identified to date. Discovery is currently underway. Staff issued the first set of Data Requests on 4/5/17. Other potentially interested parties have not yet had an opportunity to identify their concerns. In identifying areas with potential major issues, staff determines, based on review of the AFC and any additional documentation provided by the applicant or others, whether any of the following circumstances could occur:

- Potential significant impacts that may be difficult to mitigate;
- Potential areas of noncompliance with applicable laws, ordinances, regulations, or standards (LORS);
- Areas of conflict between the parties; or
- Areas where resolution may be difficult or may affect the schedule.

The following table lists all the AFC subject areas evaluated and notes those areas where potential major issues have been identified or data requests have been prepared. Although no technical areas are identified as having potential issues at this time, it does not mean that an issue will not arise in the future. In addition, disagreements regarding the appropriate conditions of certification may arise between staff and applicant that would require discussion at workshops and potentially during subsequent hearings.

<b>Subject Area</b>	<b>Major Issue</b>	<b>Data Request</b>
<b>Air Quality/Greenhouse Gases</b>	<b>No</b>	<b>Yes</b>
<b>Alternatives</b>	<b>No</b>	<b>No</b>
<b>Biological Resources</b>	<b>No</b>	<b>Yes</b>
<b>Cultural Resources</b>	<b>No</b>	<b>Yes</b>
<b>Efficiency and Reliability</b>	<b>No</b>	<b>No</b>
<b>Facility Design</b>	<b>No</b>	<b>No</b>
<b>Geological Resources</b>	<b>No</b>	<b>No</b>
<b>Hazardous Materials</b>	<b>No</b>	<b>Yes</b>
<b>Land Use</b>	<b>No</b>	<b>No</b>
<b>Noise and Vibration</b>	<b>No</b>	<b>Yes</b>
<b>Project Description</b>	<b>No</b>	<b>No</b>
<b>Paleontological Resources</b>	<b>No</b>	<b>No</b>
<b>Public Health</b>	<b>No</b>	<b>Yes</b>
<b>Socioeconomics/EJ</b>	<b>No</b>	<b>Yes</b>
<b>Soil &amp; Water Resources</b>	<b>No</b>	<b>Yes</b>
<b>Traffic and Transportation</b>	<b>No</b>	<b>Yes</b>

<b>Transmission Line Safety</b>	<b>No</b>	<b>No</b>
<b>Transmission System Engineering</b>	<b>No</b>	<b>Yes</b>
<b>Visual Resources</b>	<b>No</b>	<b>No</b>
<b>Waste Management</b>	<b>No</b>	<b>No</b>
<b>Worker Safety and Fire Protection</b>	<b>No</b>	<b>Yes</b>

This report does not limit the scope of staff's analysis throughout this proceeding, but acts to aid in the identification and analysis of potentially significant issues that Stanton poses at this stage.



**STAFF'S PROPOSED SCHEDULE – STANTON ENERGY RELIABILITY CENTER**  
**(Stanton) (16-AFC-01)**

	<b>ACTIVITY</b>	<b>Calendar Day</b>
1	Application for Certification submitted	10-26-16
2	Commission determined AFC Data Adequate	03-08-17
2	Staff Issues Data Request (Round 1)	04-05-17
3	Staff Files Issues Identification Report	04-07-17
4	Applicant files Data Responses (Round 1)	5-05-17
5	Information Hearing and Site Visit	04-17-17
6	Data Response and Issue Resolution Workshop*	05-17-17
7	Staff Files Data Requests (Round 2, if necessary)	TBD
8	Applicant Provides Data Responses (Round 2, if necessary)	TBD
9	Data Response and Issue Resolution Workshop (if necessary)	TBD
10	SCAQMD Issues Preliminary Determination of Compliance (PDOC)	TBD
11	Staff Files Preliminary Staff Assessment (PSA)	45 days after PDOC published
12	Preliminary Staff Assessment Workshop(s)	TBD
13	SCAQMD Issues Final Determination of Compliance (FDOC)	TBD
14	Comments on PSA are Due	30 days after PSA publication
15	Staff files Final Staff Assessment (FSA)	TBD
16	Prehearing Conference*	TBD
17	Evidentiary Hearings*	TBD
18	Committee files Presiding Member's Proposed Decision*	TBD
19	Hearing on the PMPD*	TBD

\*Actual dates to be determined by the Committee