

DOCKETED

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**South Coast
Air Quality Management District**

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**NOTICE OF INTENT TO ISSUE PERMITS
PURSUANT TO SCAQMD RULES 212 (STANDARDS FOR APPROVING PERMITS)
AND 3006 (TITLE V)**

This notice is to inform you that the South Coast Air Quality Management District (SCAQMD) has received permit applications from Stanton Energy Reliability Center, LLC for the Stanton Energy Reliability Center (SERC) which will consist of the construction and operation of two new electric generating gas turbines with integrated battery storage systems in Stanton, California. After a careful review and a detailed evaluation of the SERC, SCAQMD has determined that the proposed project complies with all applicable federal, state and local air quality rules and regulations. Therefore, SCAQMD intends to issue Permits to Construct for the SERC and to issue the initial Title V permit for this facility. However, prior to issuance of the final Title V permit, SCAQMD is providing an opportunity for public comments on the SCAQMD’s proposed decision.

The SCAQMD is the air pollution control agency for the four-county region including all of Orange County and non-desert parts of Los Angeles, Riverside and San Bernardino Counties. Anyone wishing to install or modify equipment that could control or be a source of air pollution within this region must first obtain a permit from the SCAQMD. Under certain circumstances, before a permit is granted, a public notice, such as this, is prepared by the SCAQMD. For this project, public notification is required in accordance with SCAQMD Rule 212(c)(2) and Rule 212(g) because the emissions from the new gas turbines exceed the public notice thresholds for these rules. Public notification is also required by SCAQMD Rule 3006(a) because the new gas turbines will be subject to the federal Acid Rain requirements and, therefore, an initial Title V air permit will be issued to the facility.

The SCAQMD has evaluated the permit applications listed below for the following facility and determined that the SERC meets or will meet all applicable federal, state and SCAQMD air quality rules and regulations as described below:

FACILITY: Stanton Energy Reliability Center Facility ID No. 183501 10711 Dale Avenue Stanton, CA 90680	CONTACT: Kara Miles, President Stanton Energy Reliability Center, LLC 650 Bercut Drive, Suite A Sacramento, CA 95811
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SCAQMD APPLICATION NUMBERS

Application No.	Equipment Description
589935	GE LM6000 PC Sprint Simple-Cycle Gas Turbine Generator No. 1
589936	GE LM6000 PC Sprint Simple-Cycle Gas Turbine Generator No. 2
589937	Air Pollution Control Equipment, SCR/CO Catalyst for Turbine No. 1
589938	Air Pollution Control Equipment, SCR/CO Catalyst for Turbine No. 2
589941	Aqueous Ammonia Tank
589974	Initial Title V Permit

PROJECT DESCRIPTION

The proposed SERC will construct and operate a new gas turbine generating system. The new generating system will consist of two natural gas-fired GE LM6000 PC Sprint simple-cycle turbine generators with integrated battery energy storage systems (BESSs). The combined generating capacity of the SERC will be 98.1 megawatts (MW) (nominal gross). Each BESS is capable of producing 10 MW of power and storing 5 MWh of energy. The new SERC will be equipped with air pollution control equipment, which consists of catalysts (selective catalytic reduction and oxidation catalysts). Additional new proposed equipment will include an aqueous ammonia storage tank.

EMISSIONS

During normal operation, the total potential maximum daily, monthly, and annual emissions of criteria pollutants from the operation of the new SERC are estimated not to exceed the emission levels listed in the table below. In addition, the new SERC will generate emissions of greenhouse gases (GHGs). The total quantity of GHGs is calculated using the global warming potential for each compound and expressed in an amount equivalent to Carbon Dioxide (CO₂) emissions (CO₂ equivalent). The emissions listed below are from the equipment at the new SERC.

Pollutant	Max Potential Emissions (Tons)		
	Daily	Monthly	Annual
Nitrogen Oxides (NO _x)	0.12	3.60	3.92
Carbon Monoxide (CO)	0.12	3.70	4.58
Volatile Organic Compounds (VOC)	0.04	1.16	1.72
Particulate Matter (diameter less than 10 microns, PM ₁₀ , or diameter less than 2.5 microns, PM _{2.5})	0.07	2.24	2.70
Sulfur Oxides (SO _x)	0.025	0.76	0.30
Ammonia (NH ₃)	0.008	0.25	2.98
Carbon Dioxide equivalent (CO ₂ equivalent)	137.46	4123.85	49,486

SCAQMD Rule 1304(d)(1)(A) provides that any new facility that has a potential to emit less than 4 tons per year for NO_x, VOC, PM₁₀, or SO_x shall be exempt from offsets for those pollutants that are under the threshold. Therefore, the applicant is not required to provide emission offsets for NO_x, VOC, PM₁₀, and SO_x for the equipment. Also, the South Coast Air Basin meets and is in attainment with ambient air quality standards for CO, therefore CO offsets are not required. Finally, the total facility's potential emissions of PM_{2.5} will be limited to less than 2.7 tons per year, therefore the new SERC will not trigger the threshold for PM_{2.5} offset requirements as per SCAQMD Rule 1325.

As a result of burning natural gas in the gas turbines, emissions from the proposed project also contain small quantities of pollutants that are considered air toxics under SCAQMD Rule 1401-New Source Review of Toxic Air Contaminants. Therefore, a health risk assessment (HRA) has been performed for the SERC. The health risk assessment uses health protective assumptions in estimating maximum risk to an individual person. Even assuming this health protective condition, the evaluation shows that the maximum individual cancer risk (MICR) increase from the gas turbines and the total project, as a whole, is less than ten-in-one million and in compliance with SCAQMD's risk thresholds listed in Rule 1401. Also, acute and chronic indices, which measure non-cancer health impacts, are less than one. According to the state health experts, a hazard index of one or less means that the surrounding community including the most sensitive individuals such as very young children and the elderly will not experience any adverse health impacts due to exposure to these emissions. These levels of estimated risk are below the threshold limits of SCAQMD Rule 1401(d) established for new or modified sources. The HRA results are shown in the table below:

Equipment	MICR (in a million)		Non-Cancer Hazard Index	
	Sensitive/Resident	Worker	Acute	Chronic
Facility HRA	0.06	0.002	0.00171	0.000093

Based on the result of our detailed analysis and evaluation, the SCAQMD has determined that the SERC complies with all applicable federal, state and SCAQMD air quality Rules and Regulations and, therefore, SCAQMD intends to issue the Permits to Construct for the equipment described above. However, prior to issuance of a final permit, SCAQMD is providing an opportunity for a 30-day public comment period and an EPA review period. SCAQMD will consider issuance of the final permit only after all pertinent public and EPA comments, if any, have been received and considered, and after CEC's final approval of the Application for Certification (AFC) for this project.

This facility is classified as a federal Title IV (Acid Rain) and Title V facility. **Pursuant to SCAQMD Rule 3006 – Public Participation, any person may request a proposed permit hearing on an application for an initial, renewal, or significant revision to a Title V permit by filing with the Executive Officer a complete Hearing Request Form (Form 500G) for a proposed hearing no later than February 28, 2018.** This form is available on the SCAQMD website at <http://www.aqmd.gov/docs/default-source/grants/500-g-form.pdf?sfvrsn=>, or alternatively, the form can be made available by contacting Ms. Vicky Lee at the e-mail and telephone number listed below. In order for a request for a public hearing to be valid, the request must comply with the requirements of SCAQMD Rule 3006 (a)(1)(F). On or before the date the request is filed, the person requesting a proposed permit hearing must also send by first class mail a copy of the request to the facility address and contact person listed above.

The proposed permits and other information (including a detailed engineering analysis called the Preliminary Determination of Compliance (PDOC)) are available for public review at the SCAQMD's headquarters in Diamond Bar, at the Stanton Library, 7850 Katella Avenue, Stanton, CA 90680, and also on SCAQMD's website at <http://www3.aqmd.gov/webappl/PublicNotices/> by entering facility ID No. 183501. Additional information including the facility owner's compliance history submitted to the SCAQMD pursuant to California Health and Safety Code Section 42336, or otherwise known to the SCAQMD, based on credible information, is available at the SCAQMD for public review by contacting Ms. Vicky Lee (vlee1@aqmd.gov), Engineering and Permitting, South Coast Air Quality Management District, 21865 Copley Drive, Diamond Bar, CA 91865-4182, (909) 396-2284.

Anyone wishing to comment on the air quality elements of the permits must submit comments in writing to the SCAQMD at the above mailing address or by email, attention Mr. Andrew Lee (alee@aqmd.gov). **Comments must be received no later than March 15, 2018.** If you are concerned primarily about the property zoning decisions at this location, contact the local city or county planning department for the city or unincorporated county in which the facility is located. For your general information, anyone experiencing air quality problems such as dust or odor can telephone in a complaint to the SCAQMD 24 hours a day by calling toll free 1-800-CUT-SMOG (1-800-288-7664).

Right to Petition U.S. Environmental Protection Agency (EPA) for Reconsideration: Title V Permits are also subject to review and approval by US EPA. If a public comment is sent to the SCAQMD for this permit, and the SCAQMD has not addressed the comment in a satisfactory manner, and the EPA has not objected to the proposed permit, then the public may submit a petition requesting that the EPA reconsider the decision not to object. Petitions shall be submitted to US EPA, Region 9, Operating Permits Section at 75 Hawthorne Street, San Francisco, CA 94105, within 60 days after the end of the 45-day EPA review period. The EPA review period for this permit starts no earlier than February 9, 2018. EPA's review status may be found at <http://www2.epa.gov/caa-permitting/electronic-permit-submittal-system-region-9>.