

Notice of Exemption**Form D**

To: Office of Planning and Research
PO Box 3044
1400 Tenth Street, Room 113
Sacramento, CA 95812-3044

From: California Energy Commission
1516 Ninth Street, MS-48
Sacramento, CA 95814

Project Applicant: South 8 Technologies, Inc.

Project Title: Production Scale-Up for Next Generation Batteries Using Liquefied Gas Electrolytes

Project Location – Specific: 3030 Bunker Hill St Ste 319

Project Location – City: San Diego 92109

Project Location – County: San Diego

Description of Nature, Purpose and Beneficiaries of Project:

The objective of the proposed project is to install and demonstrate three distinct systems for a liquefied gas low rate production. The purpose of this project is to scale up manufacturing of this emerging technology to demonstrate the manufacturability and cost effectiveness of the battery. The primary market that will be impacted by the battery technology will be the energy storage markets looking for lightweight and cost effective batteries. California IOU ratepayers will benefit through lower cost and lower carbon emissions by enabling further penetration of renewables and increasing grid efficiency. Additionally, the liquefied gas battery benefits ratepayers by increasing safety through eliminating the risk of thermal runaway.

Name of Public Agency Approving Project: California Energy Commission

Name of Person or Agency Carrying Out Project: South 8 Technologies, Inc.

Exempt Status: (check one)

- Ministerial Exemption (Pub. Resources Code § 21080(b)(1); Cal. Code Regs., tit 14, § 15268);
- Declared Emergency (Pub. Resources Code § 21080(b)(3); Cal. Code Regs., tit 14, § 15269(a));
- Emergency Project (Pub. Resources Code § 21080(b)(4); Cal. Code Regs., tit 14, § 15269(b)(c));
- Categorical Exemption. State type and section number
Cal. Code Regs., tit. 14, §§ 15301, 15303
- Statutory Exemptions. State code number.
- Common Sense Exemption. (Cal. Code Regs., tit 14, §15061(b)(3))

Reasons why project is exempt:

Cal. Code Regs., tit. 14, § 15301. This project will install and demonstrate three distinct systems for liquefied gas lithium metal battery low rate production at an existing, lab in San Diego. The installation and demonstration will involve minimal internal facility modification. The existing lab currently hosts similar operations. The technology to be installed and operated is expected to integrate with little modifications to the property; the HVAC and electrical system may be upgraded to account for the increased operations. For these reasons, the project falls under the categorical exemption listed in 14 C.C.R. § 15301 and will not have a significant effect on the environment.

Cal. Code Regs., tit. 14, § 15303. The existing lab facility is approximately 2, 200 square feet. The technology to be installed at the facility includes approximately eight gas cabinets each approximately 23 cubic feet, a gas delivery manifold at an estimated size of sixteen square feet, and system for gas injection at an estimated size of fifty-two square feet. The systems will be bolted, clamped and grounded in conformance with building

requirements. For these reasons, the project falls under the categorical exemption listed in 14 C.C.R. § 15303 and will not have a significant effect on the environment.

Responsible Agency

Contact Person: Braden Henderson **Area code/Telephone/Ext:** _____

If filed by applicant:

1. Attach certified document of exemption finding.
2. Has a Notice of Exemption been filed by the public agency approving the project? Yes No

Signature:  **Date:** 7/8/19 **Title:** Energy Analyst

Signed by Responsible Agency

Signed by Lead Agency

Signed by Applicant

Date received for filing at OPR: _____

Governor's Office of Planning & Research

JUL 09 2019

STATE CLEARINGHOUSE