

To: Office of Planning and Research
PO Box 3044, 1400 Tenth Street, Room 222
Sacramento, CA 95812-3044

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

Project Title: Ultra-Low Emission Integrated CHP Technology Development

Project Location - Specific: P.O. Box C

Project Location - City: Monterey Park, CA Project Location - County: Los Angeles

Description of Project:

Development and demonstration of: 1) CARB 2007 guideline compliant emission technology; 2) an up-fit conversion kit for rich-burn engines; and 3) absorption chiller technology that integrates more cost-effectively with engine heat output in a CHP system. The project will evaluate and test promising sensor technologies for monitoring emission performance and accommodating pipeline natural gas, liquefied natural gas, landfill gas, and anaerobic digester gas; develop robust catalyst specifications for effective reduction/oxidation of pollutants; and devise software and air-fuel ratio control (AFRC) strategies for fast response and precise management of combustion and exhaust after-treatment processes of the engine. Laboratory and field testing will be conducted to evolve and validate the best and most practical solution.

Name of Public Agency Approving Project: California Energy Commission

Name of Person or Agency Carrying Out Project: Southern California Gas Company

Exempt Status: (check one)

- Ministerial (Sec. 21080(b)(1); 15268);
Declared Emergency (Sec. 21080(b)(3); 15269(a));
Emergency Project (Sec. 21080(b)(4); 15269(b)(c));
[X] Categorical Exemption. State type and section number 14 CCR 15329
Statutory Exemptions. State code number.
Common Sense Exemption. 15061(b)(3)

Reasons why project is exempt:

Class 29 - Installation of certain cogeneration equipment of less than 50 megawatts capacity at existing facilities.

Lead Agency

Contact Person: Pablo Gutierrez Area code/Telephone/Ext: 327-1542

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: Title:

Signed by Lead Agency

Signed by Applicant

Date received for filing at OPR: