

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: Institute of Gas Technology dba Gas Technology Institute

Project Title: Demonstration of Water Heating with Brewing/Distilling Waste Heat

Project Location:

Address	City	County
1210 66Th St # B	Sacramento 95819	Sacramento
1520 Terminal St	West Sacramento 95691	Yolo

Description of Nature, Purpose and Beneficiaries of Project:

The Recipient will demonstrate a novel waste heat recovery system extracting waste heat from brew kettle flue gas for hot water applications in the facility. The Recipient will combine low cost heat exchanges with an automated heat extraction system to prevent condensation in the flue gas.

Name of Public Agency Approving Project: California Energy Commission

Name of Person or Agency Carrying Out Project: Institute of Gas Technology dba Gas Technology Institute

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 ; Cal. Code Regs., tit 14, § 15306
- 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, sect. 15301 provides that projects which consist of the operation repair, maintenance, permitting, leasing, licensing, or minor alteration of existing public or private structures, facilities, mechanical equipment, or topographical features, and which involve negligible or no expansion of use beyond that existing at the time of the lead agency's determination, are categorically exempt from the provisions of the California Environmental Quality Act. This project will involve the demonstration and installation of heat exchanges on the exhausts of brewery kettles along with an automated heat extraction system that includes sensors and software, none of which will require any modifications to the existing building. Therefore, this project will have no significant impact on the environment and falls within section 15301.

Authority cited: Sections 21083 and 21110, Public Resources Code. Reference: Sections 21108, 21152, and 21152.1, Public Resources Code.

Cal. Code Regs., tit. 14, sect. 15306 provides that projects which consist of basic data collection, research, experimental management, and resource evaluation activities which do not result in a serious or major disturbance to an environmental resource are categorically exempt from the provisions of the California Environmental Quality Act. The majority of the project will be data collection and software development and analysis for the automated heat extraction system. Therefore, this project will have no significant impact on the environment and falls within section 15306.

Lead Agency

Contact Person: Kevin Mori **Area code/Telephone/Ext:** 916-327-1475

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: Kevin Mori **Date:** 8-6-2020 **Title:** Mechanical Engineer

Governor's Office of Planning & Research

Aug 06 2020

Signed by Responsible Agency

Signed by Lead Agency

Signed by Applicant

Date received for filing at OPR: STATE CLEARINGHOUSE