

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: Treau, Inc.

Project Title: Treau: Low-GWP, High-Efficiency Heat Pump and Air Conditioner

Project Location – Specific: 3101 20Th St and demonstrations at several to be determined existing buildings.

Project Location – City: San Francisco 94110 **Project Location – County:** San Francisco

Description of Nature, Purpose and Beneficiaries of Project:

The purpose of this project is to scale-up production of a unique polymer heat exchanger platform for market facilitation in HVAC appliances. The proposed approach is to establish optimal processes for each key component of the unique polymer to generate quality assurance and quality control metrics that will led to an initial low rate initial production of the membrane for batteries. The intent is to establish a steady commercialized platform technology that will create multiple market opportunities to launch low global warming potential and high efficiency electric heat pumps heaters and air conditioners. The benefits of the project, as related to the California Investor-Owned Utility (IOU) electricity ratepayers are to reduce financial burden for electricity services and improved safety by reducing GHG emissions. Successful execution of this project will be accelerating the reduction of cost and emissions of building heating and cooling goals for existing building at significant scale in California. Additionally, this technology can provide a high-efficiency all-electric product for achieving California's new residential Zero Net Energy Action Plan.

Name of Public Agency Approving Project: California Energy Commission

Name of Person or Agency Carrying Out Project: Treau, 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
- Statutory Exemptions. State code number.
- Common Sense Exemption. (Cal. Code Regs., tit 14, §15061(b)(3))

Reasons why project is exempt:

For Cal. Code Regs. (CCR), Title 14, Section 15301: This project will involve manufacturing at existing laboratory facilities and then testing at existing buildings (e.g., commercial, institutional, or homes) a small number of prototype small-scaled HVAC systems. The tests that will be performed are temporary in nature and will require only minor alternations to existing structures. Work under this project will result in negligible or no expansion of the existing use of facilities at which manufacturing and testing will occur. This project will result in no significant impact to the environment and is exempt pursuant to CCR, 14 § 15301.

Lead Agency

Contact Person: Adam Gottlieb **Area code/Telephone/Ext:** 916-445-5294

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: Adam Gottlieb **Date:** 7/15/2019 **Title:** CONTRACT Agreement Manager

Signed by Responsible Agency

Governor's Office of Planning & Research

Signed by Lead Agency

JUL 18 2019

Signed by Applicant

Date received for filing at OPP: STATE CLEARINGHOUSE