

**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:** Increasing the Thermal Range and Efficiency of Affordable User-Installable Room Heat Pumps

**Project Location – Specific:** 375 Alabama St Ste 220

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

**Description of Nature, Purpose and Beneficiaries of Project:**

Building HVAC systems consume over 15 percent of all U.S. energy and contribute more to global warming than the entire transportation sector largely due to the high global warming potential (GWP) refrigerant leaks. A significant breakthrough in building cooling technology that uses low-global warming potential (low-GWP) refrigerants, is low cost, and has high efficiency is needed. The Recipient will develop customized fans, heat exchangers, and cold climate configurations that optimize the thermal performance and minimize power consumption of a high efficiency, low cost, low-GWP refrigerant heating, ventilation, and air conditioning system with the potential to reduce building air conditioning energy consumption by up to 30 percent and greenhouse gas emissions by 50 percent.

**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 and product testing to be performed at existing laboratory facilities and large commercial/institutional stakeholder facilities. This project intends to install small-scaled equipment into an existing facility, but will have minor alterations to the facility. 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 testing will occur. This project will result in no significant impact to the environment and is exempt pursuant to CCR, 14 § 15301.

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

**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:** 3/29/2021 **Title:** CAM for agreement

**Signed by Responsible Agency**

**Signed by Lead Agency**

**Signed by Applicant**

**Date received for filing at OPR:** \_\_\_\_\_