

Notice of Exemption

To: Office of Planning and Research
P.O. Box 3044, Room 113
Sacramento, CA 95812-3044

From: University of California, Irvine
Campus Planning & Sustainability
455 Aldrich Hall
Irvine, CA 92697

Project Title: Bidirectional Residential Integration for Dispatchable Grid Energy (BRIDGE)

Project Applicant: University of California, Irvine

Project Location – Specific: 140 Engineering Laboratory Facility at University of California, Irvine

Project Location – City: Irvine

Project Location – County: Orange

Description of Nature, Purpose, and Beneficiaries of Project: The Bidirectional Residential Integration for Dispatchable Grid Energy (BRIDGE) project aims to address significant barriers currently limiting residential Vehicle-to-Everything (V2X) technology integration by developing a flexible, affordable Energy Management Kit (EMK). The proposed project's goal is a low-cost, plug-and-play EMK for residential V2X integration, enabling seamless communication between EVs, home distributed energy resources (DERs), and the grid. A critical goal includes ensuring compatibility and interoperability through adherence to relevant industry standards, integration with Nuvve's GIVE™ platform, and active homeowner participation in grid services.

For the research performed at UCI under a CEC grant, an electric vehicle charger (Wallbox Quasar 2) would be installed in the UCI APEP Residential Laboratory located in 140 Engineering Laboratory Facility. UCI would test the Wallbox Quasar 2 with a Kia EV6 using an existing test setup that has been used the past two years for similar testing. In this case, the Quasar 2 and Kia vehicle would be tested to access the ability of the system to respond dynamically to load demands and grid signals under grid-tied and islanded operation. No additional construction nor utilities would be required to operate the charger after installation.

Name of Public Agency Approving Project: University of California, Irvine

Name of Person or Agency Carrying Out Project: University of California, Irvine

Exempt Status (check one):

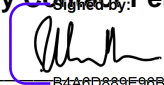
- ☐ Ministerial (Sec. 21080 (b)(1); 15268);
- ☐ Declared Emergency (Sec. 21080(b)(3); 15269(a);
- ☐ Emergency Project (Sec. 21080(b)(4); 15269(b)(c));
- ☒ Categorical Exemption. State type and section number: Class 1 (Sec. 15301); Class 6 (Sec. 15306)
- ☐ Statutory Exemptions. State code number:
- ☐ General Exemption (Sec. 15061(b)(3)).

Reason Why Project is Exempt:

Class 1 and Class 6 categorical exemptions are applicable as the proposed project would install equipment in an existing laboratory space to conduct research. No change of the building's type of use nor increase in its physical footprint would occur, and expansion of use would be negligible to none. In accordance with Section 15300.2 of the CEQA Guidelines, there are no cumulative impacts, expected significant effects on environmental resources, hazardous waste or historic sites, scenic highways, or other limiting factors or unusual circumstances that would make the exemption inapplicable based on the project records.

Lead Agency Contact Person: R. Umashankar

Area Code/Telephone/Extension: (949) 824-1826

Signature:  B4A6D689E96B42D...

Date: 7/15/2025

Title: Executive Director

- ☒ Signed by Lead Agency
- ☐ Signed by Applicant