

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: The Regents of the University of California, on behalf of the San Diego campus

Project Title: LEED: A Lightwave Energy-Efficient Datacenter Phase 2

Project Location – Specific: 9500 Gilman Dr

Project Location – City: La Jolla 92093 Project Location – County: San Diego

Description of Nature, Purpose and Beneficiaries of Project:

The purpose of this project is to continue development the optical rotor switch technology for energy efficient datacenters. This technology has the potential to double the energy efficiency of data centers through significant increased data processing efficiency and from reduced data center cooling requirements by switching from an electrical resistor system to a light transmitting system.

Name of Public Agency Approving Project: California Energy Commission

Name of Person or Agency Carrying Out Project: The Regents of the University of California, on behalf of the San Diego campus

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, § 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. 15306 provides that projects which consist of basic data collection, research, experimental management, and resource evaluation activities, and 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 second phase of this project will be conducted in a laboratory setting where modification of existing servers at a datacenter with the lightwave technology will occur. The recipient will collect data on the performance. This project will have no significant impact on the environment and falls within section 15306.

Lead Agency

Contact Person: _____ Area code/Telephone/Ext: _____

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

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: 5-30-2021 Title: Mechanical Engineer

Signed by Responsible Agency

Signed by Lead Agency

Signed by Applicant

Date received for filing at OPR: _____