

To: Office of Planning and Research
PO Box 3044, 1400 Tenth Street, Room 222
Sacramento, CA 95812-3044

From: California Energy Commission
1516 Ninth Street, MS-48
Sacramento, CA 95814

Project Title: Development of Very Dense Liquid Cooled Compute Platform

Project Location - Specific: 522 San Benito Ave, Menlo Park, CA 94025

Project Location - City: Menlo Park Project Location - County: San Mateo

Description of Project:

The project will demonstrate a technology to cool data center servers using liquid coolant. The project is called Very Dense Liquid Cooled Compute Platform that is estimated to reduce the energy required to cool servers by 17 percent over optimally designed and operated air cooled facilities and 45 percent over inefficiently designed data centers with equivalent compute capacity. The project will also reduce space requirements for server racks which could reduce the cost of new construction data centers by an estimated 36 percent.

Name of Public Agency Approving Project: California Energy Commission

Name of Person or Agency Carrying Out Project: Edison Material Technology Center

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));
[X] Categorical Exemption. State type and section number 14 CCR 15303
Statutory Exemptions. State code number.
Common Sense Exemption. 15061(b)(3)

Reasons why project is exempt:

Class 3 - New construction of limited small new facilities; installation of small, new equipment and facilities in small structures; and conversion of the use of small existing structures (e.g., construction of three or fewer single-family homes in urban areas). The project is constructing new equipment, a liquid cooled compute platform, which is the equivalent of a data center rack. The platform can be moved from building to building, the same as ordinary data center racks.

Lead Agency

Contact Person: Paul Roggensack Area code/Telephone/Ext: 916-327-2224

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: Date: Title:

[X] Signed by Lead Agency

[ ] Signed by Applicant

Date received for filing at OPR: