

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: Glint Photonics, Inc.

Project Title: High Efficiency Dynamic Lighting Systems

Project Location – Specific: 1520 Gilbreth Rd

Project Location – City: Burlingame, CA 94010 Project Location – County: San Mateo

Description of Nature, Purpose and Beneficiaries of Project:

Under grant Agreement EPC-18-007 with Glint Photonics, Inc., the California Energy Commission will contribute \$1,999,990 for further development of a novel luminaire system (lighting fixtures) that provides automated control over the angular and spatial distribution of solid-state lighting. The system’s functionality can dynamically target light to wherever it is needed, significantly improving light utilization efficiency and lighting quality compared to conventional light-emitting-diode (LED) luminaires. Using funding from the Energy Commission’s grant, Glint Photonics, Inc. and its team will conduct paper studies, collect data, and design and develop prototype lighting fixtures. This project will include the assembly and testing of prototype lighting fixtures in existing research laboratories and testing in existing buildings. Additionally, Glint will conduct paper studies on the testing and measurement and verification methods applied. Glint will report on the results, including a final research report for the Energy Commission.

The beneficiaries include investor-owned electric utility ratepayers, because the lighting fixtures will reduce energy consumption in relation to the light (lumens) delivered where needed in buildings. Wasted light in over-lit areas can be reduced. Users will have lower costs to provide lighting. Safety can be enhanced where more light is needed, such as dark hallways and stairwells. Regarding outdoor lighting applications, the proposed technology has the capability to reduce glare. Other beneficiaries include Glint Photonics, Inc. and the retail and hospitality sectors that ultimately use the novel lighting fixtures.

Name of Public Agency Approving Project: California Energy Commission

Name of Person or Agency Carrying Out Project: Glint Photonics, 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, § 15306
- Statutory Exemptions. State code number.
- Common Sense Exemption. (Cal. Code Regs., tit 14, §15061(b)(3))

Reasons why project is exempt:

The project consists of collecting data, performing research, designing, and experimenting with lighting fixtures (luminaires), and further developing prototype lighting fixtures in existing laboratories. The prototypes will be installed in laboratories and in existing buildings for testing. Regarding outdoor lighting applications, the proposed

technology has the capability to reduce glare. California Code of Regulations, title 14, section 15306 exempts basic data collection, research, experimental management, and resource evaluation activities that do not result in a serious or major disturbance to an environmental resource. The proposed project's data analysis, research, and development activities will have no significant effect on the environment and fall within the categorical exemption of section 15306.

Lead Agency

Contact Person: Rachel Salazar Area code/Telephone/Ext: 916-445-5316

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

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

Signature: Rachel Salazar Date: 1/16/19 Title: Energy Commission Specialist I

- Signed by Responsible Agency
- Signed by Lead Agency
- Signed by Applicant

Governor's Office of Planning & Research

Date received for filing at OPR: _____

JAN 16 2019

STATE CLEARINGHOUSE