

**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:** Jason Cotrell, dba RCAM Technologies

**Project Title:** On-site 3D Concrete Printing for Next-Generation Low-Cost Wind Plants

**Project Location:**

Address	City	County
22740 Temescal Canyon Rd	Corona 92883	Riverside
Uc Irvine, Engineering Laboratory Facility 141	Irvine 92697	

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

The purpose of this agreement is to manufacture, demonstrate, and test wind tower sections and offshore wind energy components using an onsite three-dimensional concrete printed (3DCP) manufacturing process and design.

**Name of Public Agency Approving Project:** California Energy Commission

**Name of Person or Agency Carrying Out Project:** Jason Cotrell, dba RCAM Technologies

**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:**

California Code Regs., tit 14, section 15301 exempts the operation, repair, maintenance, permitting, leasing, licensing, or minor alteration of existing public or private structures, facilities, mechanical equipment, or topographical features, involving negligible or no expansion of existing or former use. The project involves design, engineering, and economic analyses of concrete wind turbine tower designs and manufacturing. Prototype concrete tower sections (5-meter height and 2-meter diameter) will be fabricated using a robotic arm and 3D printer and will then be tested at an existing research testing civil engineering laboratory or manufacturing facility. The proposed project will have no significant effect on the environment and will involve negligible or no expansion of current or former use of the existing facilities and is therefore exempt.

**Lead Agency**

**Contact Person:** Silvia Palma-Rojas **Area code/Telephone/Ext:** 916-327-1716

**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:** Silvia Palma-Rojas

**Date:** 6/17/2020

**Title:** EGSS II

Governor's Office of Planning & Research

**Jun 17 2020**

**STATE CLEARINGHOUSE**

**Signed by Responsible Agency**

**Signed by Lead Agency**

**Signed by Applicant**

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