

To: Office of Planning and Research
 PO Box 3044
 1400 Tenth Street, Room 113
 Sacramento, CA 95812-3044

From: California Energy Commission
 715 P Street, MS-48
 Sacramento, CA 95814

Project Applicant: Gridtractor, A California Corporation

Project Title: Electric Farm Vehicles as Reliable Grid Assets

Project Location:

Address	City	County
203 Lawrence Dr	Livermore 94551	Alameda
16729 W Floral Ave	Helm 93627	Fresno
3031 Lopez Dr	Arroyo Grande 93420	San Luis Obispo

Description of Nature, Purpose and Beneficiaries of Project:

The project will develop high power discharge capabilities for a battery-electric agricultural tractor, deploy and integrate bidirectional chargers with existing on-farm electrical service points, and manage charging and loads in several grid integration use cases. Bidirectional charging and vehicle grid integration use cases will be tested in a laboratory environment and at two demonstration sites. The project will lead to ratepayer benefits including increased renewable penetration from solar deployed on farms, providing backup power to critical loads, and lowering costs by shifting load.

Name of Public Agency Approving Project: California Energy Commission

Name of Person or Agency Carrying Out Project: Gridtractor, A California Corporation

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 of Regulations, title 14, section 15301 provides that projects which consist of the operation, repair, maintenance, permitting, leasing, licensing, or minor alteration of existing public or private structures, facilities, mechanical equipment, or topographical features, and which involve negligible or no expansion of use are categorically exempt from CEQA. This project is exempt under Cal. Code Regs., tit 14, section 15301 because work will be conducted at existing facilities. Specifically, the bidirectional charging capabilities for the battery-electric agricultural tractor will be developed and tested at an existing industrial facility in Livermore. The modified tractors will be operated on existing agricultural land, including a ranch in Helm and vineyard in Arroyo

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


Grande. To support the demonstration, minor alterations including electrical modifications will be done at existing utility service points to install electric vehicle charging equipment. For these reasons, the project will have no significant effect on the environment and fits within section 15301.

Lead Agency

Contact Person: Peter Chen **Area code/Telephone/Ext:** 916-776-0743

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:** 8/11/2022 **Title:** ERS III

Signed by Responsible Agency

Signed by Lead Agency

Signed by Applicant

Date received for filing at OPR: _____