

BOARD MEETING DATE: February 7, 2020

AGENDA NO. 2

PROPOSAL: Amend and Execute Contracts to Perform Data Collection of Zero Emissions Heavy-Duty Infrastructure and Other Equipment

SYNOPSIS: In November 2018, the Board approved an award of \$44,839,686 for the Volvo Low Impact Green Heavy Transport Solutions (LIGHTS) project. The Board also approved a \$1,096,658 contract with University of California Riverside (UCR) CE-CERT to perform data collection, analysis and reporting for the Volvo LIGHTS project. UCR had planned to subcontract data collection for infrastructure and other equipment to CALSTART, Inc., but it was subsequently determined that UCR's business services group is unable to subcontract services. These actions are to amend a contract with UCR CE-CERT reducing the amount to \$836,258 and to execute a contract with CALSTART, Inc., in an amount not to exceed \$260,400 from the GHG Reduction Projects Special Revenue Fund (67) for data collection, analysis and reporting for the Volvo LIGHTS project.

COMMITTEE: Technology, January 24, 2020; Recommend for Approval

RECOMMENDED ACTIONS:

Authorize the Chairman to amend or execute the following from the GHG Reduction Projects Special Revenue Fund (67):

- a. Amend a contract with UCR CE-CERT for data collection, analysis and reporting of the Volvo LIGHTS project reducing the funding to an amount not to exceed \$836,258; and
- b. Execute a contract with CALSTART, Inc. for data collection, analysis and reporting of infrastructure and other equipment in an amount not to exceed \$260,400.

Wayne Nastri
Executive Officer

Background

In November 2018, the Board approved an award of \$44,839,686 for the Volvo Low Impact Green Heavy Transport Solutions (LIGHTS) project to develop and demonstrate zero emissions heavy-duty trucks, freight handling equipment, EV infrastructure and renewable energy under CARB's Low Carbon Transportation Greenhouse Gas Reduction Fund (GGRF) Investments. The Board also approved a \$1,096,658 contract to the University of California Riverside (UCR) CE-CERT to perform data collection, analysis and reporting for the LIGHTS project. UCR CE-CERT had planned to subcontract data collection for infrastructure to CALSTART, Inc., but it was subsequently determined that UCR's business services group is unable to subcontract services.

Proposal

These actions are to amend a contract with UCR CE-CERT reducing the amount to \$836,258 for data collection, analysis and reporting of the Volvo LIGHTS project and to execute a contract with CALSTART, Inc. for \$260,400 for data collection, analysis and reporting of off-road equipment, infrastructure, and solar, as well as provide a final report and analysis. UCR CE-CERT will deploy a multiple-method approach to ensure all project data collection, which includes mobile logging, stationary logging, emissions testing and innovation analysis, is performed to meet CARB requirements. CALSTART, Inc. will assist UCR CE-CERT on data collection of all other equipment.

Sole Source Justification

Section VIII.B.2. of the Procurement Policy and Procedure identifies four major provisions under which a sole source award may be justified. The request for sole source award for the CALSTART, Inc., contract is made under the provisions B.2.d.(6): Projects requiring compatibility with existing specialized equipment; and B.2.d.(8): Research and development efforts with educational institutions or nonprofit organizations. CALSTART, Inc., a nonprofit institution, will utilize its expertise on evaluation of advanced clean transportation technologies and fuels.

Benefits to South Coast AQMD

Projects to support development and demonstration of various electric container and freight transport technologies and infrastructure are included in the *Technology Advancement Office Clean Fuels Program 2019 Plan Update* under the categories of "Develop and Demonstrate Electric and Hybrid Vehicles," "Develop and Demonstrate Electric Container Transport Technologies," and "Develop and Demonstrate Electric Charging Infrastructure." This project is to develop and demonstrate zero emissions heavy-duty trucks, freight handling equipment, EV infrastructure and renewable energy. Successful demonstrations of such projects will contribute to the attainment of national ambient air quality standards in the South Coast Air Basin by eliminating PM and NOx emissions from replaced diesel heavy-duty trucks and off-road freight handling

equipment. The project also includes installation of EV infrastructure powered by renewable energy.

Resource Impacts

The amended contract with UCR CE-CERT will not exceed \$836,258 and the contract with CALSTART, Inc., will not exceed \$260,400 from the GHG Reduction Projects Special Revenue Fund (67). This will not exceed the total CARB funding of \$1,096,658 for data collection services. The funding sources and amounts for each project are detailed in the following table:

Proposed Data Collection Project Costs

Source	Amount	Match	Percent
UCR CE-CERT	\$836,258	\$200,000	76
CALSTART, Inc.	\$260,400	\$0	24
Total	\$1,096,658	\$200,000	100

Sufficient funds will be available in GHG Reduction Projects Special Revenue Fund (67) to amend or execute the UCR CE-CERT and CALSTART, Inc. contracts from the CARB grant for the Volvo LIGHTS project.