BOARD MEETING DATE: June 5, 2026 AGENDA NO. 5

PROPOSAL: Execute Contracts to Develop and Demonstrate Two Repowered Class 6/7 Medium-Duty Battery Electric Trucks

SYNOPSIS: Medium-duty trucks are well suited to a broad range of vocational applications and are increasingly transitioning to zero-emission (ZE) technologies. Although several new Class 6/7 ZE truck options are commercially available there is growing demand for a lower-cost alternative. Repowered battery-electric vehicle options can provide a lower-cost alternative compared to original equipment manufacturer ZE trucks. This action seeks authorization to execute a contract with Evolectric, Inc. to develop and demonstrate two repowered Class 6/7 battery electric trucks for refrigeration and high-power utility applications, in an amount not to exceed $791,674 from the Clean Fuels Program Fund (31).

COMMITTEE: Technology, May 15, 2026; Recommend for Approval

RECOMMENDED ACTION:
Authorize the Executive Officer to execute a contract with Evolectric, Inc. to develop and demonstrate two repowered Class 6/7 battery electric trucks for both refrigeration and high-powered utility applications in an amount not to exceed $791,674 from the Clean Fuels Program Fund (31).

Wayne Nastri
Executive Officer

AK:MW:VP:SC

Background
Medium-duty trucks are well suited for a wide range of vocational applications, including last-mile delivery, retail logistics, refrigerated transport, and utility and service fleet operations. Although new zero-emission (ZE) medium-duty battery electric trucks are commercially available, there remains a need for a lower-cost ZE option with flexible powertrain and body configurations that can accommodate this broad range of

applications. ZE repowered trucks, such as those being developed by Evolectric, Inc. (Evolectric), offer a practical near-term solution. Repowering existing diesel trucks to battery-electric eliminates tailpipe emissions while avoiding the substantially higher cost of full vehicle replacement. Evolectric's repower approach can be adapted to meet the powertrain requirements of a range of vocational applications, offering a streamlined, one-stop solution. The company has already demonstrated technical feasibility of this approach and is currently repowering Class 4/5 trucks on the Isuzu platform.

Proposal

Evolectric proposes to develop and demonstrate two repowered Class 6/7 medium-duty battery electric trucks based on the widely used Freightliner M2 platform. For the first vehicle, Evolectric will partner with Sonsray Fleet Services, a division of Sonsray, Inc., to develop a repowered configuration featuring a ZE transportation refrigeration unit powered by the truck's main battery pack. The second vehicle will incorporate Evolectric's electric Power Take-Off system, also powered by the main battery pack, to serve high-power-demand vocational applications such as towing, roll-off, and bucket truck operations. SBR Express, Inc. (SBR) and TCI Transportation Services, Inc. (TCI) have each agreed to conduct a six-month pilot deployment, evaluation, and data collection effort. Both vehicles will also include vehicle-to-grid capability and support University of California, Riverside College of Engineering - Center for Environmental Research and Technology's (UCR/CE-CERT) Sustainable Integrated Grid Initiative research.

Sole Source Justification

Section VIII.B.2 of the Procurement Policy and Procedure identifies four principal provisions under which a sole source award may be justified. The request for a sole source award for the Evolectric contract is made pursuant to Provision B.2.d.(1), which applies to projects involving cost sharing by multiple sponsors. The proposed project includes cost share contributions from Evolectric, SBR, TCI and UCR/CE-CERT.

Benefits to South Coast AQMD

The South Coast Air Basin is designated as an "extreme" nonattainment area for ozone under the Federal Clean Air Act. Successful development and demonstration of repowered Class 6/7 trucks will support increased adoption of ZE vehicles and help reduce ozone and PM2.5 air pollution. The project aligns with the Technology Advancement Office Clean Fuels Program 2026 Plan Update under the *"Electric/Hybrid Technologies"* category.

Resource Impacts
The proposed project to develop repowered Class 6/7 trucks has a total cost of $1,317,674. South Coast AQMD's contribution to this project shall not exceed $791,674 from the Clean Fuels Program Fund (31).

Funding Source	Funding Amount	Percent
Evolectric	$375,000	28
SBR/TCI	$76,000	6
UCR/CE-CERT	$75,000	6
South Coast AQMD *(requested)*	$791,674	60
Total	**$1,317,674**	**100%**

Sufficient funds are available from the Clean Fuels Program Fund (31), which was established as a special revenue fund resulting from the state-mandated Clean Fuels Program. The Clean Fuels Program, under Health and Safety Code Sections 40448.5 and 40512 and Vehicle Code Section 9250.11, establishes mechanisms to collect revenues from mobile sources to support projects to increase the utilization of clean fuels, including the development of the necessary advanced enabling technologies. Funds collected from motor vehicles are restricted, by statute, to be used for projects and program activities related to mobile sources that support the objectives of the Clean Fuels Program.