

BOARD MEETING DATE: September 2, 2022

AGENDA NO. 9

PROPOSAL: Recognize Revenue, Transfer Funds and Execute Contract with San Bernardino County, Acting on Behalf of Arrowhead Regional Medical Center for Deployment of Zero Emission Mobile Clinics

SYNOPSIS: Arrowhead Regional Medical Center (ARMC) operates two mobile pediatric asthma clinics referred to as Breathmobiles. In June 2022, U.S EPA awarded \$500,000 to the South Coast AQMD under the Clean Air Technology Initiative to help replace an existing older gasoline powered Breathmobile with a new zero emission platform. San Bernardino County is supporting the development of a new third mobile clinic and has requested additional support in making this a zero emission clinical platform also. These actions are to: 1) recognize revenue up to \$500,000 from U.S. EPA into the Advanced Technology, Outreach and Education Fund (17); 2) transfer \$500,000 from the Clean Fuels Program Fund (31) as cost-share into the Advanced Technology, Outreach, and Education Fund (17); and 3) execute a contract with San Bernardino County acting on behalf of ARMC for the purchase of two zero emission mobile clinics in an amount not to exceed \$1,000,000 from the Advanced Technology, Outreach, and Education Fund (17).

COMMITTEE: Technology, August 19, 2022; Recommended for Approval

RECOMMENDED ACTIONS:

1. Recognize revenue up to \$500,000 from U.S. EPA into the Advanced Technology, Outreach and Education Fund (17);
2. Transfer \$500,000 from the Clean Fuels Program Fund (31) as cost-share into the Advanced Technology, Outreach and Education Fund (17); and
3. Execute a contract with San Bernardino County, acting on behalf of Arrowhead Regional Medical Center, for the purchase of two zero emission mobile clinics in an amount not to exceed \$1,000,000 from the Advanced Technology, Outreach and Education Fund (17).

Wayne Natri
Executive Officer

Background

ARMC currently operates two mobile clinics using Class 6 gasoline-powered Recreational Vehicles (RVs). ARMC is a 456-bed university-affiliated teaching hospital operated by San Bernardino County. The RV clinical platforms referred to as Breathmobiles provide pediatric asthma management at no cost to school children residing within low-income communities within San Bernardino County’s that experience high asthma-related hospitalizations. The two Breathmobiles routinely travel to 40 different school sites throughout San Bernardino County and during school hours clinical staff meet with school children and children from the surrounding areas. Seventy five percent of the children participating in the program have their asthma symptoms under control by the third follow up visit.

Proposal

The proposed project will allow ARMC to operate two new zero emission mobile clinics. One of the new clinics will replace an existing 2006 model year gasoline powered Breathmobile. The other will be a third mobile clinic that ARMC will use to provide service in the Fifth District of San Bernadino County, which includes the Rialto, Bloomington, Colton, San Bernardino City, Muscoy, and Devore areas. Both zero emission mobile clinics will have at least a 100-mile range and provide the clinics with over 5 hours of electrical power each. Eliminating the need to use a gasoline generator will benefit the sensitive receptors visiting the mobile clinics and reduce noise at the school sites. Both new mobile clinics are expected to be deployed by the end of 2024 and ARMC will upgrade its existing vehicle charging infrastructure to support the clinics. The development of zero emission mobile clinics provides transferable technology for other zero emission mobile clinic applications.

The total cost of the proposed project is \$2.2 million. ARMC will replace the 2006 Breathmobile using the U.S. EPA Clean Air Technology Initiative (CATI) funds of \$500,000 and San Bernardino County will contribute \$500,000 towards the purchase of the additional clinic. Staff is proposing \$250,000 towards each vehicle using funds transferred into the Advanced Technology, Outreach and Education Fund (17) from the Clean Fuels Program Fund (31) for a total amount not to exceed \$500,000. ARMC will be contributing \$700,000 of in-kind support, covering staffing costs for the two mobile clinics and supporting the charging infrastructure for a total project cost of \$2.2 million.

Proposed Partners	Mobile Clinic #1 (replacement)	Mobile Clinic #2
U.S. EPA (CATI)	\$500,000	\$0
South Coast AQMD	\$250,000	\$250,000
San Bernardino County	\$0	\$500,000
ARMC (in-Kind)	\$350,000	\$350,000
Total Project Cost	\$2,200,000	

Sole Source Justification

Section VIII.B.3 of the Procurement Policy and Procedure identifies four provisions by which sole source awards may be justified when contracts are funded in whole or in part with federal funds. This award is made under provision B.3.c: The awarding federal agency authorizes noncompetition proposals. U.S. EPA deemed the proposed award to ARMC to be a sub-award and does not require a competitive solicitation. This award is also being made under provision B.2.d.(1): Projects involving cost sharing by multiple sponsors. This \$2.2 million project is being cost shared by U.S. EPA, San Bernardino County, South Coast AQMD with in-kind support from ARMC.

Benefits to South Coast AQMD

The existing Breathmobile travels over 5,100 miles/year and uses a gasoline-powered generator at the school sites for 4-5 hours a day. Each year the vehicle and generator consume over 1,000 gallons of gasoline. Furthermore, ARMC, with the assistance of South Coast AQMD and San Bernardino County, will purchase an additional zero emission mobile clinic to expand their clinical fleet in lieu of purchasing a gasoline-powered mobile clinic. Both new proposed clinical vehicles will provide zero emission miles during transit and power the clinics without using a generator. Combined, the two new zero emission mobile clinics will prevent an additional 0.14 tons of NO_x, 0.14 tons of hydrocarbons along with 4.8 tons of CO emissions annually.

Resource Impacts

Sufficient funds are available for transfer into the Advanced Technology, Outreach, and Education Fund (17) 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.