

BOARD MEETING DATE: December 5, 2014

AGENDA NO. 2

PROPOSAL: Establish Pilot Program with Commercial Electric Lawnmowers for Government and Non-Profits within the San Bernardino Clean Communities Plan Pilot Study Area

SYNOPSIS: In March 2011, the Board recognized \$2,913,123 from U.S. EPA's Targeted Air Shed Grant Program and executed contracts to implement eight incentive programs in two pilot study communities of San Bernardino and Boyle Heights for the Clean Communities Plan. In 2013, U.S. EPA and the Board approved the addition of commercial electric lawnmowers into the Targeted Air Shed Grant. This action is to issue a sole source contract with Mean Green Products, LLC to purchase commercial electric lawnmowers for government and non-profit agencies within the City of San Bernardino. Funds for this purchase (\$415,838) are available in the Advanced Technology, Outreach, and Education Fund (17).

COMMITTEE: Administrative, November 14, 2014; Recommended for Approval

RECOMMENDED ACTION:

Authorize the Executive Officer to execute a sole source contract with Mean Green Products, LLC at a not-to-exceed amount of \$415,838 for the purchase of commercial electric lawnmowers for government and non-profit organizations within San Bernardino, to be paid from the Advanced Technology, Outreach, and Education Fund (17).

Barry R. Wallerstein, D.Env.
Executive Officer

EC:SN:AK

Background

On March 4, 2011 the Board recognized revenue from the U.S. EPA Targeted Air Shed Grant Program in an amount not to exceed \$2,913,123, to implement eight incentive programs for reduction of toxic air contaminants and criteria air pollutants in the two pilot communities of Boyle Heights and San Bernardino under SCAQMD's 2010 Clean Communities Plan (CCP). Since March 2011, the Board has approved several revisions to the list of incentive programs including the addition of a new program for commercial electric lawnmowers at non-profit and government agencies, which was approved on July 5, 2013. To date, \$1,199,755 has been spent on a variety of projects such as rebates for low VOC coatings, auto refinishing spray equipment, boiler and process heater upgrades, low VOC commercial green cleaners, water-based brake cleaners, yard equipment exchanges (low emission commercial leaf blowers and electric lawn mowers), and air filtration in schools. Staff is proposing to issue a contract with Mean Green Mowers, Inc. to purchase commercial electric lawnmowers for government and non-profit organizations within San Bernardino as part of a long term pilot program to identify the long term usage benefits and any improvements needed to further develop this technology.

On May 8, 2014, SCAQMD staff held a demonstration event for commercial electric lawnmowers at Wildwood Park in San Bernardino to government agencies and non-profit organizations that operate commercial lawnmowers within the City of San Bernardino. The event was attended by staff from nine different agencies and provided an opportunity to learn and test the equipment at a San Bernardino City park. Based on the event, eight of the nine agencies responded they would like to participate in a pilot program and provided their desirable equipment list shown in Attachment A. SCAQMD staff is working on a similar demonstration event for government and non-profits that operate commercial lawnmowers within Boyle Heights.

Proposal

SCAQMD staff proposes to implement a pilot program with the government agencies and non-profit organizations listed in Attachment A that operate commercial lawnmower equipment within San Bernardino. Under this pilot program SCAQMD will have a Memorandum of Agreement (MOA) in place with each recipient, in part, to provide performance reporting data back to the SCAQMD for further evaluation and ensure usage of the equipment. This proposal is to purchase the equipment listed in Attachment A for each recipient organization for a total amount not to exceed \$415,838 for the purchase, delivery, training and warranty of this equipment.

Benefits to SCAQMD

Use of commercial electric lawnmowers will reduce emissions of carbon monoxide, VOCs, particulates, and NO_x. Commercial lawn mowers are typically used multiple times per day, can be used for over ten years, and can consume thousands of gallons of

gasoline per year. Replacing one commercial electric lawn mower for an existing gasoline powered mower is expected to yield emission reductions of 204 lbs/yr (0.102 tons/yr) of PM_{2.5}, 152 lbs/yr (0.08 tons/yr) of VOC and 316 lbs/yr (0.158 tons/yr) of NO_x. These anticipated emission reductions are based on combustion and evaporation of 700 gallons per year of gasoline in an existing commercial mower. Under this pilot program, the monitoring and reporting requirements will help better quantify the emission benefits by using the hourly logs built into the equipment and the reported fuel savings.

Sole Source Justification

A sole source award is authorized under Sections IV.B.4 of the Procurement Policy and Procedure when a purchase does not lend itself to substitution. Section VIII.B.2 of the Procurement Policy and Procedure identifies four major provisions under which a sole source award may be justified for contracts funded in whole or part with federal funds. The request for a sole source contract with Mean Green Products, LLC is made under Sections IV.B.4 and VIII.B.3.a of the Procurement Policy and Procedure; the item is available from only one source. The availability of this equipment from one source is based on research staff has conducted with the commercial yard equipment industry and bid responses recently received to SCAQMD RFP#2015-04: Commercial Grade Electric Lawnmower Demonstration.

Resource Impacts

The proposed action will not have an impact on SCAQMD's financial resources. Funding will be provided under the U.S. EPA Targeted Air Shed Grant Program. Funds for this pilot project are available in the Advanced Technology, Outreach, and Education Fund (17).

Attachment

Attachment A – List of Organizations and Lawnmowers to be Purchased

Attachment A – List of Organizations and Lawnmowers to be Purchased

Organization	Lawnmowers Requested (Size)	Equipment Cost (Includes Shipping and Training)
San Bernardino International Airport	3 (33", 48", and 60")	\$50,214
City of San Bernardino	3 (three 60")	\$71,886
Urban Conservation Corp/Southern California Mountains Foundation	2 (48"and 60")	\$40,576
CSU San Bernardino	3 (33", 48", and 60")	\$50,214
Inland Empire 66ers (SB City Owned)	2 (48" and 52")	\$40,699
San Bernardino Police Department	2 (48" and 52")	\$40,699
County of San Bernardino	2 (60")	\$48,107
US Forest Service	4 (33", 48"and two 60")	\$73,443
Total	21	\$415,838