

Cordless Zero-Emission Commercial Lawn & Garden Equipment Program

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Overview

- Background
- Demonstration Project
- Project Goals
- Program Overview
- Costs
- Program Schedule
- Questions/Comments/Suggestions
- Recap



Background

Incentive Programs

- Over 20 highly successful incentive programs since 1992
- Awarded almost \$400 million
- Over 98,000 tons of lifetime emission reductions (NOx, ROG, PM)
- Regular audits by State, Federal, and independent auditors

Background

District's Residential Lawn & Garden Program

- Program developed and launched in 2001
- Past partners include Neuton Lawn Mower Co., Home Depot, and Black & Decker
- More than 8,600 electric mowers issued to Valley residents
- Over \$1.4 million of incentive funds to date

Demonstration Project

- ARB's Advanced Technology Demonstration Projects
 - Cordless Zero-Emission Commercial Lawn and Garden Equipment project
- ARB awarded the District \$250,000 in AB118 AQIP funds to implement project
- Total funding for project: \$500,000

Project Goals

- Demonstrate the performance of cordless zero-emission commercial lawn & garden equipment
- Opportunity for operators to gain hands-on familiarity with equipment
- Opportunity for further development and improvement of technologies

Project Goals

- Seeking high participation rate with minimal costs to participants
- Collect feedback and data on performance of equipment



Program Overview

- Partner with a manufacturer/vendor (technology demonstrator)
 - Several contracts may be awarded
- Approve and sign agreement with interested commercial operators (participants)
- District provides oversight & support to technology demonstrator & participants

Program Overview

- Technology demonstrator(s) provides qualified equipment & technical support to participants
- Participants use equipment & provide feedback & data
- District & technology demonstrator(s) prepare final report to ARB

Costs

- Program to cover all cost. No out of pocket cost to participants
- Equipment funding includes:
 - Unit(s)
 - Additional batteries and chargers (if any)
 - Other accessories for safe operation (if any)

Costs

Preliminary research:

- Riding Lawn Mowers: \$2,599 - \$4,999
- Lawn Mowers: \$489 (average)



Costs

Preliminary research:

- Edgers/Trimmers/Brushcutters: \$110 - \$300
- Blowers/Sweepers: \$300 - \$2,000



Costs

Preliminary research:

- Chainsaws: \$350 (average)
- Cultivators: \$143 - \$400
- Others?



Schedule

Commercial Lawn & Garden Demonstration Project

Milestones	Tentative Dates
Release RFP for manufacturers/vendors	April 11, 2012
Program opens for commercial operators	Mid-May 2012
Launch Program	June 2012
Conclude Program	May 2013

Questions/Comments



Additional Questions/Comments

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Thank you



Listserv and Website

- Incentive Program Development E-mail Notification List
 - <http://www.valleyair.org/lists/list.htm>
- District website
 - www.valleyair.org under Grants & Incentives