



Landscaper Workgroup: Small Off-Road Engines

March 23, 2023

Meeting Agenda

- Introduction
- Status of the rules for landscape equipment
- Incentive funding for electric landscape equipment
- Forming a panel of landscapers for future workgroup meetings
- Questions

Landscaper Workgroup - Introduction

- Opportunity for landscapers and California Air Resources Board (CARB) staff to discuss
 - Rules for landscape equipment
 - Incentive funding for electric landscape equipment
 - Landscapers' questions
- Ensure landscapers are informed of changes and opportunities
 - Meet four times per year

Small Off-Road Engines (SORE)

(Spark-ignition, ≤ 25 hp)



Rules Apply to Manufacturers

- Apply to new engines
- Certification required prior to sale
- No in-use requirements for equipment owners
- Owners may continue purchasing and using equipment



Updated Rules

(Effective January 1, 2023)



- Transition new production to zero emissions in two phases
- Manufacturers may continue producing some engines
- Do not prohibit sale of CARB-certified equipment

Transition to Zero Emissions: Phase 1 Model Years 2024-2027

- Emission standards of zero for most engines
- More stringent emission standards for pressure washers ≥ 225 cc and portable generators
- Products available in stores will change over time
- Certified engines may be purchased as long as they are available

Transition to Zero Emissions: Phase 2 MY 2028+

- Emission standards of zero for all engines, including pressure washers and portable generators
- Manufacturers may produce some engines through model year 2032
- Certified engines may be purchased as long as they are available

Summary

- SORE rules apply to manufacturers
- Updated rules became effective January 1, 2023
- Transition to zero emissions in two phases





CORE Pro Landscaping

Todd Sterling

California Air Resources Board

CORE Overview

- Initial allocation \$27 million (SB 170)
 - Small businesses and sole proprietor
 - Professional landscapers
- Accelerate deployment of zero-emission off-road
- First come – first served
- Apply through eligible CORE dealers
- Small business friendly
- First 180 days \$10 million set aside to micro business

Eligible Equipment and Voucher Amounts

Equipment Type	Voucher Amounts
Edger, hedger, string trimmer, chainsaw, pole saws, vacuums, handheld blowers	Up to \$300
Backpack blowers	Up to \$400
Walk behind, ride-on, and stand-ride mower	Up to \$12,500
Additional batteries and charger	Up to \$1,000 to \$3,000 per voucher
Chargers and power management equip.	Up to \$5,000 per voucher

Funding is capped at \$25,000 per eligible purchaser



Moyer & Community Air Protection Lawn and Garden Incentives

Landscaper Workgroup Meeting 3/23

Carl Moyer Lawn & Garden Program

- Local air districts must have a program and can choose to have more stringent requirements
- Eligibility: Residents & Businesses
- Requirements: Scrap and replace with electric equivalent & 2 years of equipment ownership
 - Commercial – Own and operate equipment in California, and business license or employer identification number or personal or business tax identification number

Carl Moyer Lawn and Garden Program

Equipment	Max Residential Grant Amount	Max Commercial Grant Amount
Chainsaws/Trimmers/ Edgers/Brushcutters	\$300	\$700
Leaf blowers/Vacuums	\$200	\$1,400
Walk Behind Mowers	\$330	\$1,500
Ride-on or Stand/Sit Mowers	\$2,000	\$15,000

Eligible purchases = Lawn and garden equipment + batteries and chargers up to max. Moyer funding cannot exceed total costs of items purchased.

Community Air Protection Lawn and Garden

Chapter 5: Reducing Air Pollution in Schools

- Eligibility:
 - Schools & Contractors who service schools
- Requirements:
 - Schools must be K-12 and located in a disadvantaged or low-income community
 - Scrap old equipment and replace with new commercial grade equipment of same type
 - 25 Horse Power or lower
 - Minimum 1 year warranty on new equipment
 - Contractors must have a business license and show active contract with school

Community Air Protection Lawn & Garden

Chapter 5: Reducing Air Pollution in Schools

Equipment	Equipment Funding Amount	Funding Amount for Additional Batteries and/or Charger
Chainsaws/Polesaws, Trimmers, Edgers, Leaf blowers/Vacuums	70 percent of purchase price up to \$400	70 percent of purchase price up to \$400
Walk-Behind Mowers	70 percent of purchase price up to \$750	70 percent of purchase price up to \$750
Ride-on or Stand/Sit Mowers	70 percent of purchase price up to \$15,000	Not Eligible

Community Air Protection Lawn & Garden

- Chapter 6: Stationary Source and Community-identified Projects
- Eligibility:
 - Only air districts that have selected communities who have approved Community Emissions Reduction Programs
- Requirements:
 - Communities and Districts develop a project plan consistent with Community Emission Reduction Plan and submit to CARB for approval

Resources

- Moyer Guidelines – [Chapter 9: Lawn and Garden Equipment Replacement \(ca.gov\)](#)
- Moyer Lawn and Garden Source Category Page – [Carl Moyer Program: Lawn and Garden Equipment Replacement | California Air Resources Board](#)
- Community Air Protection Guidelines – [Community Air Protection Incentives | California Air Resources Board](#)
- Stationary Source & Community Identified Projects Page – [Stationary Source and Community-Identified Projects | California Air Resources Board](#)

Forming a Panel of Landscapers: Proposal

- Panel discussion in each landscaper workgroup meeting
 - Panelists' experiences with electric landscape equipment
 - Panelists' experiences with incentives
 - Questions from landscapers
- Representation of small, medium and large landscaping businesses

Landscaper Panel: Panelists

6 Sole proprietors

3 from businesses with 1 crew

3 from businesses with 2 or more crews

12 Panelists

- Nominate potential panelists
 - Include business size
 - Describe experience with electric landscape equipment, incentives
 - Send to landscaper@arb.ca.gov

Questions?

Contacts

- Landscaper workgroup – landscaper@arb.ca.gov
- Small off-road engine rules – sore@arb.ca.gov
- CORE - Todd Sterling Todd.Sterling@arb.ca.gov
 - California CORE webpage <https://californiacore.org/>
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