



air pollution control district  
SANTA BARBARA COUNTY

# LANDSCAPE EQUIPMENT ELECTRIFICATION FUND (LEEF) PROGRAM YEAR 2

## Board of Directors Santa Barbara County Air Pollution Control District

Our Mission: To protect the people and the environment  
of Santa Barbara County from the effects of air pollution.

Aeron Arlin Genet  
Director / APCO

Emily Waddington / Air Quality Specialist  
October 15, 2020



# LEEF PILOT PROGRAM

- Board approved with Resolution 19-19 in December of 2019
- \$100,000 from Clean Air Fund
- Eligible organizations:
  - commercial landscape businesses
  - public agencies
  - schools
- \$10,000 maximum voucher amount

## Funding Amounts for Eligible Electric Equipment

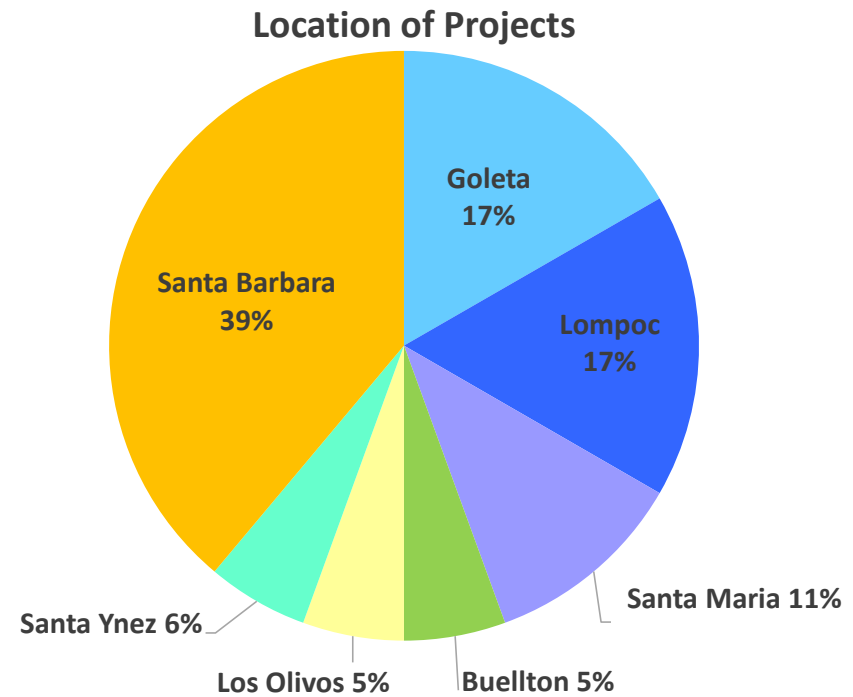
Equipment Type	Voucher Amount
Mowers, leaf blowers, leaf vacuums, edgers, trimmers, chainsaws & pole saws	60% of purchase price
Additional batteries & chargers	100% of purchase price, limited to one additional battery OR charger per piece of equipment purchased through the program



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# LEEF PILOT PROGRAM SUCCESS

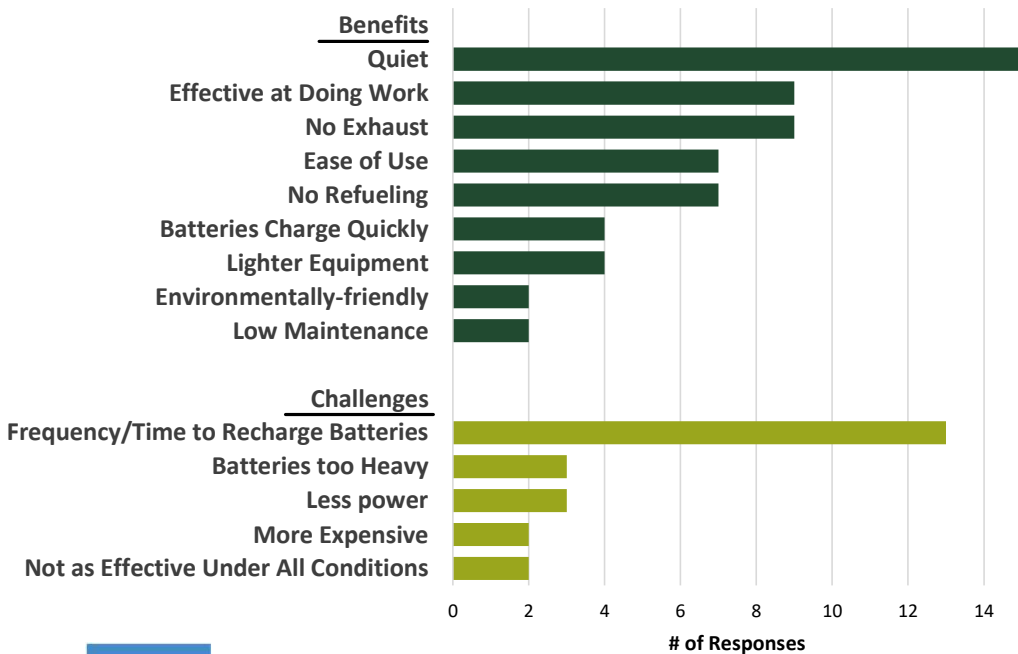
- Considerable interest in program with requested funds exceeding program budget
- Issued vouchers to seven businesses, one public agency, and ten schools
- Provided funds for 293 pieces of electric landscape equipment



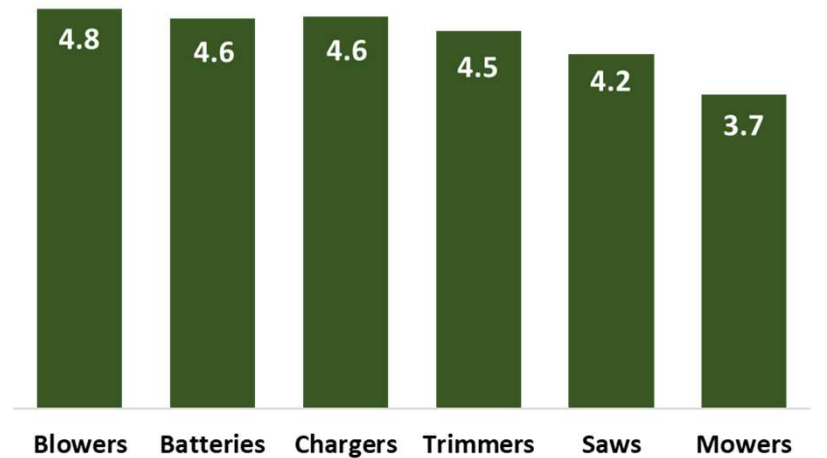
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# PARTICIPANT FEEDBACK

## Benefits and Challenges of Electric Equipment Use



## Overall Rating of Equipment by Type (1 to 5)



*"The electric landscape equipment has been a game changer for us. Our customers and employees appreciate the quiet, clean, and extremely efficient tools. The batteries are comfortable to wear, charge quickly and fully, and last through the day. No more oil mixes, spills, fumes, and trips to the gas station to fill our cans! This is the wave of the future and I highly recommend these!"*

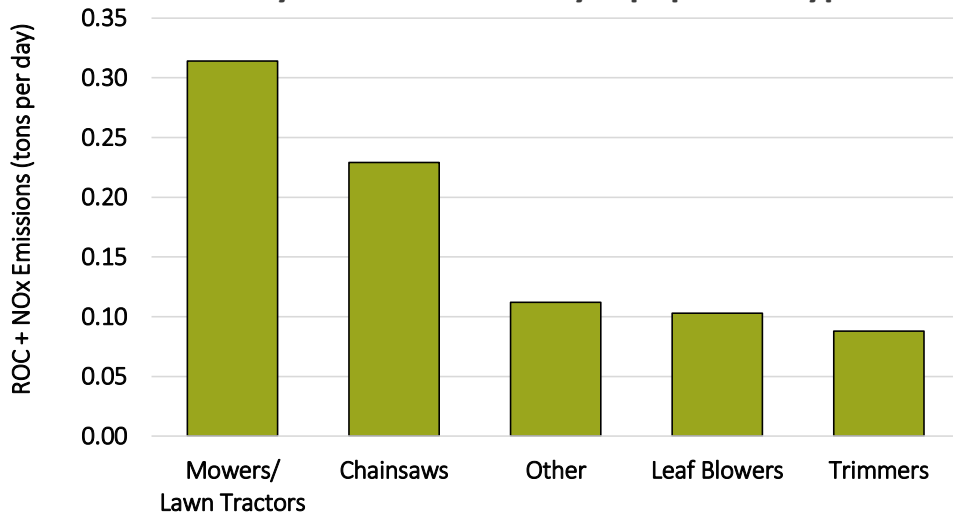
**- Deborah Shaw Restoration + Landscape, INC. (Santa Barbara)**



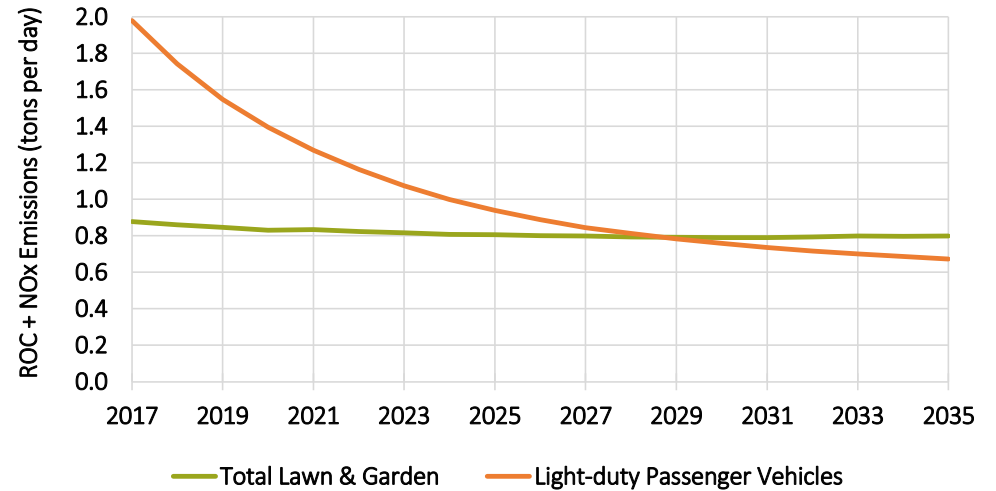
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# LANDSCAPE EQUIPMENT EMISSIONS IN THE COUNTY

Countywide Emissions by Equipment Type

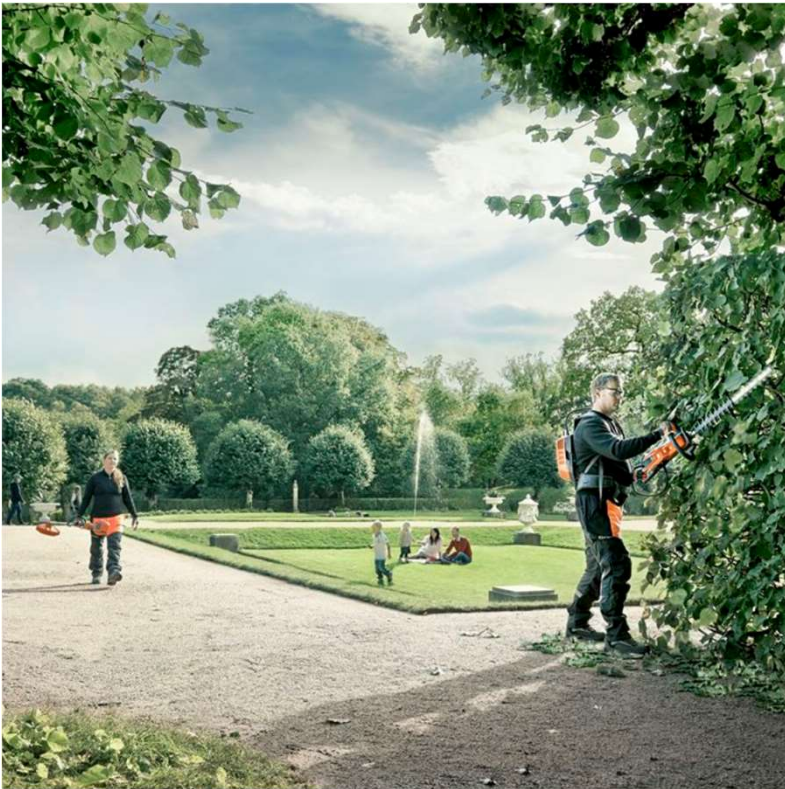


Countywide Landscape and Passenger Car Emissions



- Emissions: ozone precursors (ROC, NO<sub>x</sub>), CO, PM<sub>2.5</sub>, black carbon, and toxic air contaminants
- Effects: ozone/smog formation, neighborhood impacts, health impacts to equipment operators
- 2% of county's onshore ozone precursor emissions

# STATEWIDE ACTION



- CARB considering regulation to require all new sales of landscape equipment to be zero emission by 2028
- Developed SORE2020 Model to estimate future emissions under different scenarios
- Incentives for lawn mower replacement through Carl Moyer program



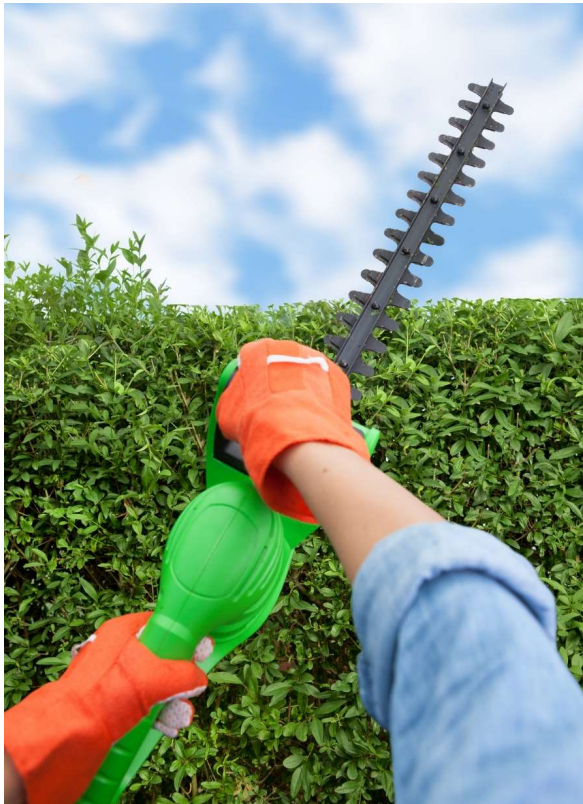
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# PROPOSED UPDATES TO LEEF PROGRAM YEAR 2

Pilot Program Year 1	LEEF Program Year 2
Applications processed first-come, first-served	Applications prioritized using a ranking system and accepted over an application window
Eligible organizations: commercial landscape businesses, public agencies, and schools	Add nonprofit agencies
Did not include disposal of old equipment	Include a voluntary disposal incentive
Funded one additional battery OR charger at 100% cost per piece of equipment purchased	Fund one additional battery AND one additional charger at 60% cost per piece of equipment purchased
\$10,000 maximum voucher amount	\$7,000 maximum voucher amount



# FISCAL IMPACT



- Initially funded with up to \$100,000 from District's Clean Air Fund
- Included in District's budget for FY 2020-21
- May request approval of additional funds if CALeVIP program is delayed



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# RECOMMENDATION & NEXT STEPS

- Approve and authorize the Air Pollution Control Officer to use up to \$100,000 from the District's Clean Air Fund to establish and implement the Landscape Equipment Electrification Fund (LEEF) Program Year 2

## Next Steps:

- Countywide outreach in English and Spanish
- Finalize application and outreach materials
- Work with local retailers to offer testing of equipment and advertise program
- Launch with press release and outreach to eligible organizations
- Application window opens November of 2020



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# CONTACT INFORMATION

Emily Waddington  
Air Quality Specialist  
(805) 961-8878  
WaddingtonE@sbcapcd.org



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