Landscape Equipment Electrification Funds (LEEF)

South Central Coast Basinwide Control Council

Aeron Arlin Genet
Executive Director / Air Pollution Control Officer

October 5, 2023

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Air Quality Impacts

- Emissions: Ozone precursors (ROC, NOx), carbon monoxide, particulate matter, greenhouse gases, toxic air contaminants
- Effects: ozone/smog formation, neighborhood impacts, health impacts to equipment operators
- 2% of SB Co’s onshore ozone precursor emissions

Ozone Precursor Emissions of Gasoline Equipment Use Compared to Passenger Car Travel

Source: California Air Resources Board, Small Engine Fact Sheet

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LEEF Program Basics

- Provides vouchers to incentivize commercial landscape equipment users to purchase electric equipment
- Eligible organizations: commercial landscapers, non-profit organizations, public agencies, schools, businesses
- Two cycles of LEEF Program approved by board
  - Pilot Program, spring 2020
  - LEEF Year 2, winter 2020
- Each funded with $100,000 from SBCAPCD’s Clean Air Fund
Past Success - Pilot Program and Year 2

- Considerable community interest in both programs
- 46 vouchers issued. 729 pieces of electric landscape equipment purchased.
- Participant surveys show satisfaction with new equipment (4.4 out of 5 rating)

<table>
<thead>
<tr>
<th>Organization Type</th>
<th>Vouchers Issued</th>
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</thead>
<tbody>
<tr>
<td>Landscapers</td>
<td>18</td>
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<tr>
<td>School</td>
<td>12</td>
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<tr>
<td>Nonprofit</td>
<td>9</td>
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<tr>
<td>Public Agency</td>
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<tr>
<td>Total</td>
<td>46</td>
</tr>
</tbody>
</table>

Voucher Location

- Santa Barbara 41%
- Lompoc 13%
- Guadalupe 4%
- Santa Maria 13%
- Goleta 9%
- Buellton 4%
- Solvang 2%
- Other - South County 5%
- Other - Mid County 9%
State Actions

- California Air Resources Board (CARB) requiring newly manufactured landscape equipment to be zero emission starting in 2024

- Incentive Funds for electric landscape equipment
  - CORE Program provides point of sale discounts for small landscape businesses
  - Carl Moyer State Reserve Year 24 provides funding to air districts to implement their own incentive program
    - SBCAPCD received $850,000 to implement LEEF 3

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LEEF 3

- Launched June 5, 2023
- Follows requirements of CARB’s Carl Moyer Program Guidelines
- Requires trade-in of gas landscape equipment for each new piece purchased

### Maximum Funding Amount by Equipment Type

<table>
<thead>
<tr>
<th>Equipment Type</th>
<th>Maximum Funding Amount*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chainsaws, trimmers, edgers, brush cutters</td>
<td>$700</td>
</tr>
<tr>
<td>Leaf blowers</td>
<td>$1,400</td>
</tr>
<tr>
<td>Walk-behind lawn mowers</td>
<td>$1,500</td>
</tr>
<tr>
<td>Ride-on mowers</td>
<td>$15,000</td>
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</tbody>
</table>

*includes cost of batteries and chargers
LEEF 3 Outreach

- Flyers mailed to licensed landscapers, handed out at events, and distributed by District inspectors
- Partnerships with local equipment retailers
- Emails and news release to landscapers, schools, and public agencies
- Social media
- Collaboration with local organizations - Green Gardener Program, Chambers of Commerce, and sustainability organizations
- All outreach materials and program documentation in English & Spanish
**Electric Landscape Equipment Demo Days**

- Two Demo Days in 2023 - one in Santa Barbara (July) and in Santa Maria (October)
- 8-12 electric equipment manufacturers with equipment to demo for commercial users
- Educational workshop from American Green Zone Alliance on transitioning landscape fleets to electric
- Information on LEEF Program and other available incentives
- 50-70 attendees at each event, good feedback from attendees and manufacturers
- Media coverage with 2 local stations at the Santa Maria Demo Day

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LEEF 3 Reception

- Progress since program launch on June 5
  - 31 applications received
  - $445,023 allocated (60% of available funds)
  - 522 pieces of landscape equipment purchased
  - 4,300 lbs. pollutants (ROC, NOx, PM) reduced per year
- Application closure on November 3

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<td>16</td>
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<tr>
<td>Non-profit</td>
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<tr>
<td>School</td>
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<td>Other Business</td>
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<td>Public Agency</td>
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<td><strong>Total</strong></td>
<td><strong>31</strong></td>
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VOUCHER LOCATION

- Santa Barbara: 48%
- Goleta: 19%
- Other - North County: 7%
- Lompoc: 13%
- Santa Maria: 7%
- Buellton: 3%
- Other - South County: 3%
LEEF Fiscal Impact

$850,000 from CARB Carl Moyer Year 24 State Reserve Funds
  - $743,750 for project funds and $106,250 for administration

$2 DMV funds available if all CARB funds expended before closure date
For more Information....

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