



# **Lawn Equipment Electrification Program**

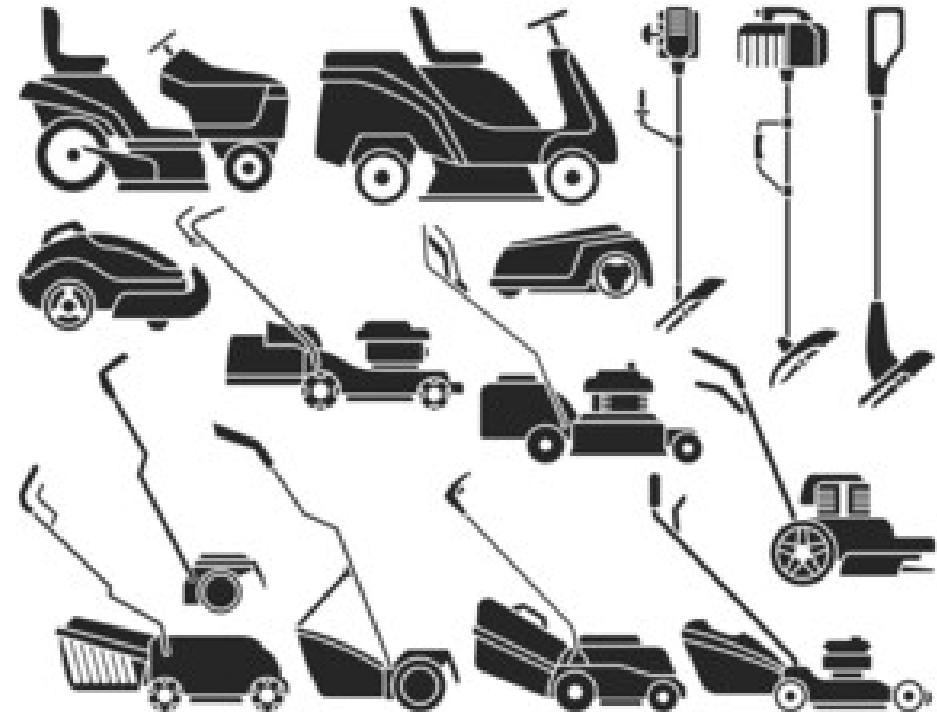
**Sustainability Programs Manager**  
**April 5<sup>th</sup> 2023**

# What is a Lawn Electrification Program?

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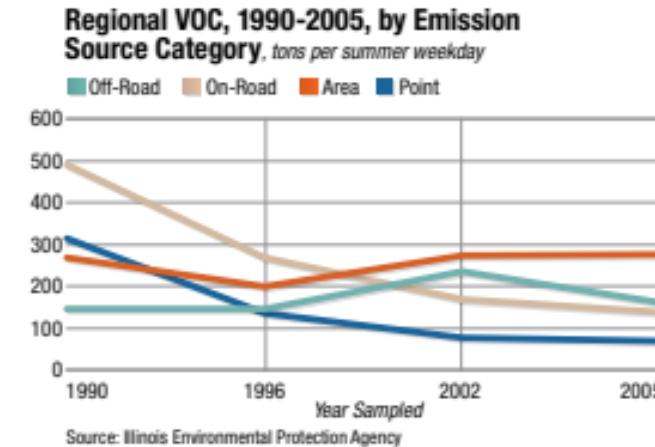
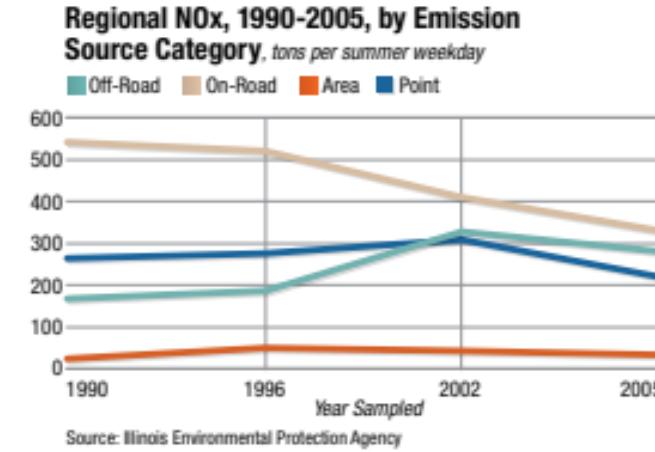
- Program which provides residents with a cash incentive to purchase electric lawn equipment.
- Lawn equipment includes:
  - Mowers
  - Blowers/Vacuums
  - Trimmers
  - Edgers
  - Brush Cutters



# What is the goal?



- Incentivize replacement of gas-powered lawn equipment with electric
- Proper recycling of old gas-powered equipment
- More affordable option for electric equipment
- Reduction of air pollutants from gas-powered equipment such as:
  - Volatile Organic Compounds
  - Carbon Monoxide
  - Nitrogen Oxides
  - Particulate Matter
  - Carbon Dioxide
- In 2011 approximately 26.7 million tons of pollutants were emitted by GLGE, accounting for 24%–45% of all nonroad gasoline emissions (USEPA)



# Example Steps for Participation



- 1. Residents fill out an online application to confirm their eligibility for the program with the**
  - 1) Brand/manufacturer**
  - 2) Approximate year equipment was manufacturer**
  - 3) The average number of hours equipment is used each month**
- 2. Residents turn in their gas-powered lawn equipment to a participating drop-off location for recycling.**
- 3. Resident receives document as proof of their drop-off.**
- 4. Resident turns in proof of equipment drop-off to county facility and receive a voucher.**
- 5. Within a limited timeframe, the voucher can be used to buy or offset the full cost of electric lawn equipment at a participating business.**

# National Examples – Pima County, AZ

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- **“Pima County Voluntary Lawn & Garden Equipment Replacement Program”** – legally required program through statute
- Residents turn in one gas lawn mower (\$150 voucher) and up to five different handheld gas devices (\$50 voucher ea.)
- Commercial users turn in gas equipment and receive a \$200 voucher for each mower and \$50 voucher per handheld device (unlimited).
- Three weeks are given to use the voucher at participating Home Depot locations.
- Program is provided by funding from the Arizona Department of Environmental Quality

# National Examples – Lucas County, OH

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- “Electric Lawn Mower Rebate Program”
- Properly dispose of gas-powered lawn mower at local recycler.
- Purchase a brand-new battery-powered electric lawn mower at any retailer.
- Submit proof of purchase of a battery-powered electric lawn mower and sign a statement indicating that you have scrapped the old gas-powered lawn mower.
- \$100 Rebates will be delivered in the form of gift cards and can be mailed or picked up.

# Lake County Next Steps

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- Designing a Lake County Program would involve:
  - Scope
  - Determining a funding source
  - Management of online application system and voucher/rebate dispersal
  - Organizing intake of disposed lawn equipment
  - Partnership with local retailer selling electric equipment
  - Outreach and communication
  - Evaluate impacts created



# Questions