



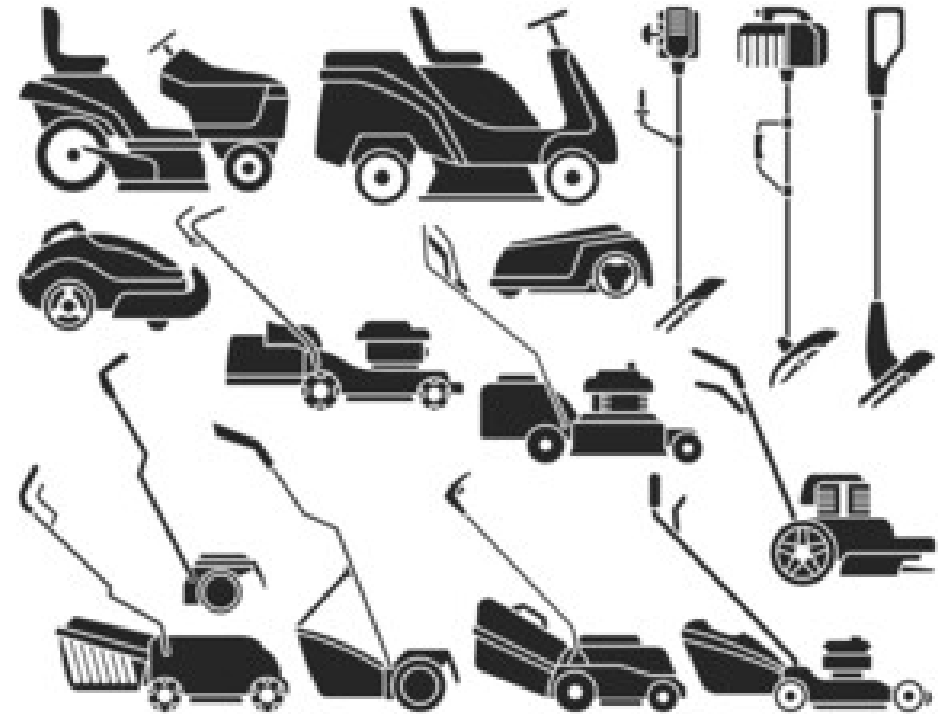
# **Lawn Equipment Electrification Program**

**Sustainability Programs Manager**

**April 5<sup>th</sup> 2023**

# What is a Lawn Electrification Program?

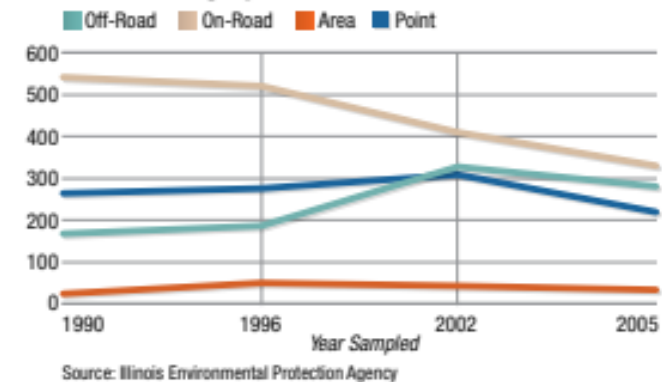
- Program which provides residents with a cash incentive to purchase electric lawn equipment.
- Lawn equipment includes:
  - Mowers
  - Blowers/Vacuums
  - Trimmers
  - Edgers
  - Brush Cutters



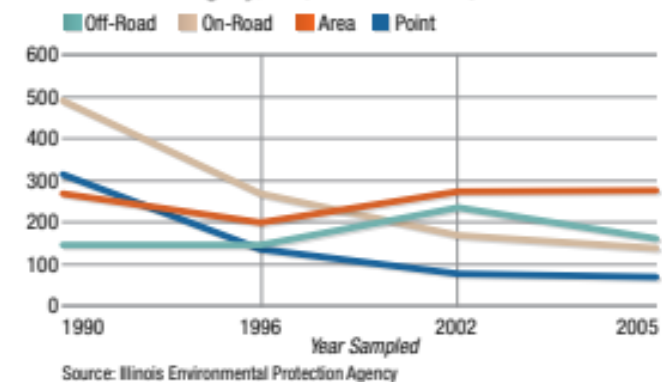
# What is the goal?

- 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)

**Regional NO<sub>x</sub>, 1990-2005, by Emission Source Category, tons per summer weekday**



**Regional VOC, 1990-2005, by Emission Source Category, tons per summer weekday**



# 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 manufactured**
  - 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