

Mr. Richardson moves affirmative action on Article 46 as written in the Warrant with these changes:

- Add at the end of the “NOW THEREFORE” clause “, except as expressly set forth below.”
- Change Section 3 to read:  
The use of gasoline-powered leaf blowers is prohibited in the Town of Concord during the following periods of time:
  - January 1, 2019 to March 31, 2019;
  - June 1, 2019 to September 30, 2019;
  - December 1, 2019 to March 31, 2020;
  - June 1, 2020 to September 30, 2020; and
  - On and after December 1, 2020.
- In Section 4, change “their” to “its” in both places, and change “public” to “Town-owned”

# Article 46

## Bylaw Prohibiting Use of Gasoline-Powered Leaf Blowers



News Releases > Our Community > February 07, 2018

## Dunkin' Donuts to Eliminate Foam Cups Worldwide in 2020



*New double-walled paper cups to phase into U.S. restaurants beginning spring 2018*

**CANTON, MA (February 7, 2018)** -- As part of its commitment to serve both people and the planet responsibly, Dunkin' Donuts, a leading retailer of hot-brewed coffee, today

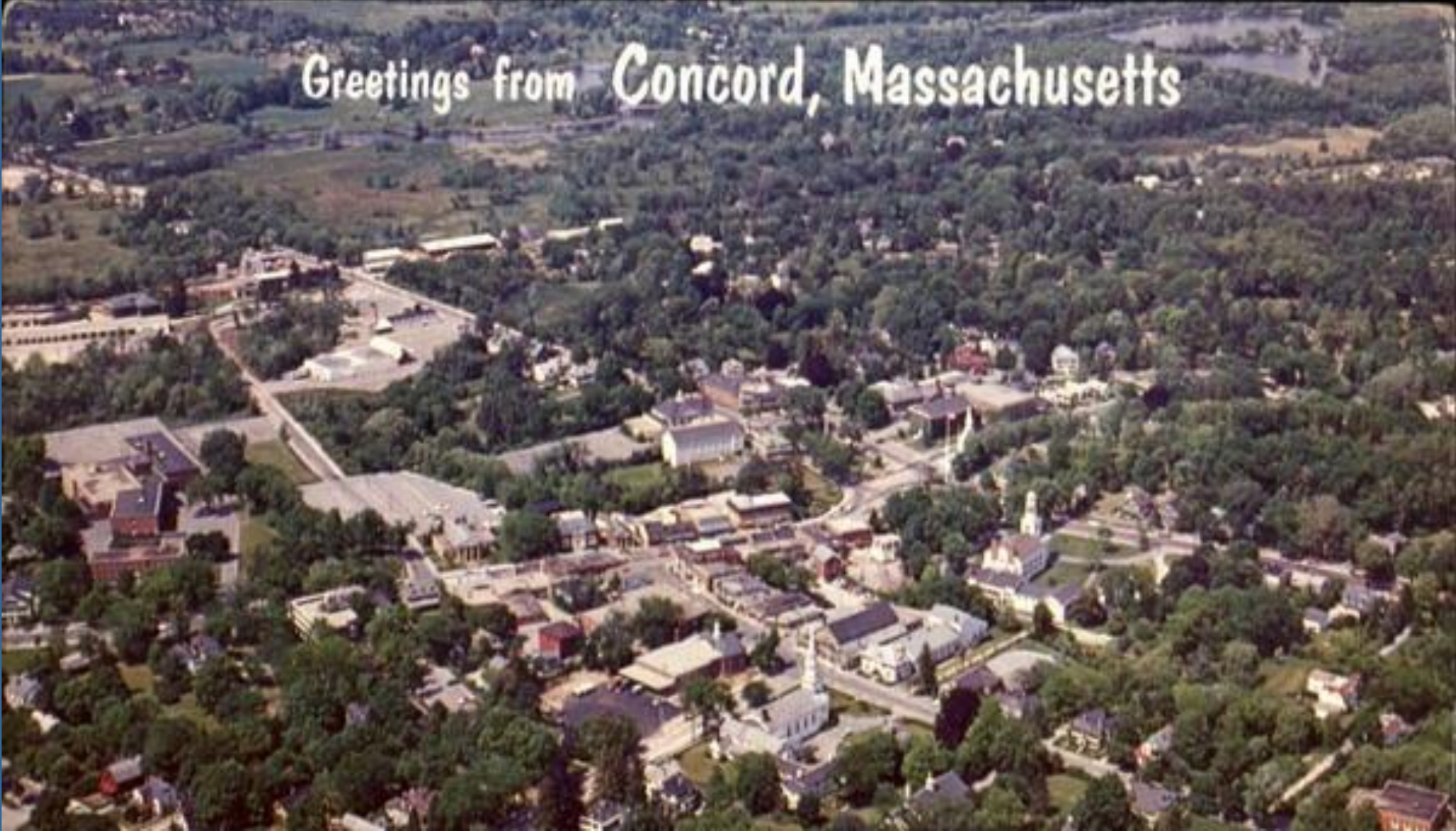
### MEDIA CONTACT

Michelle King

Phone: 781-737-5200

Email: [press@dunkinbrands.com](mailto:press@dunkinbrands.com)

# Greetings from Concord, Massachusetts

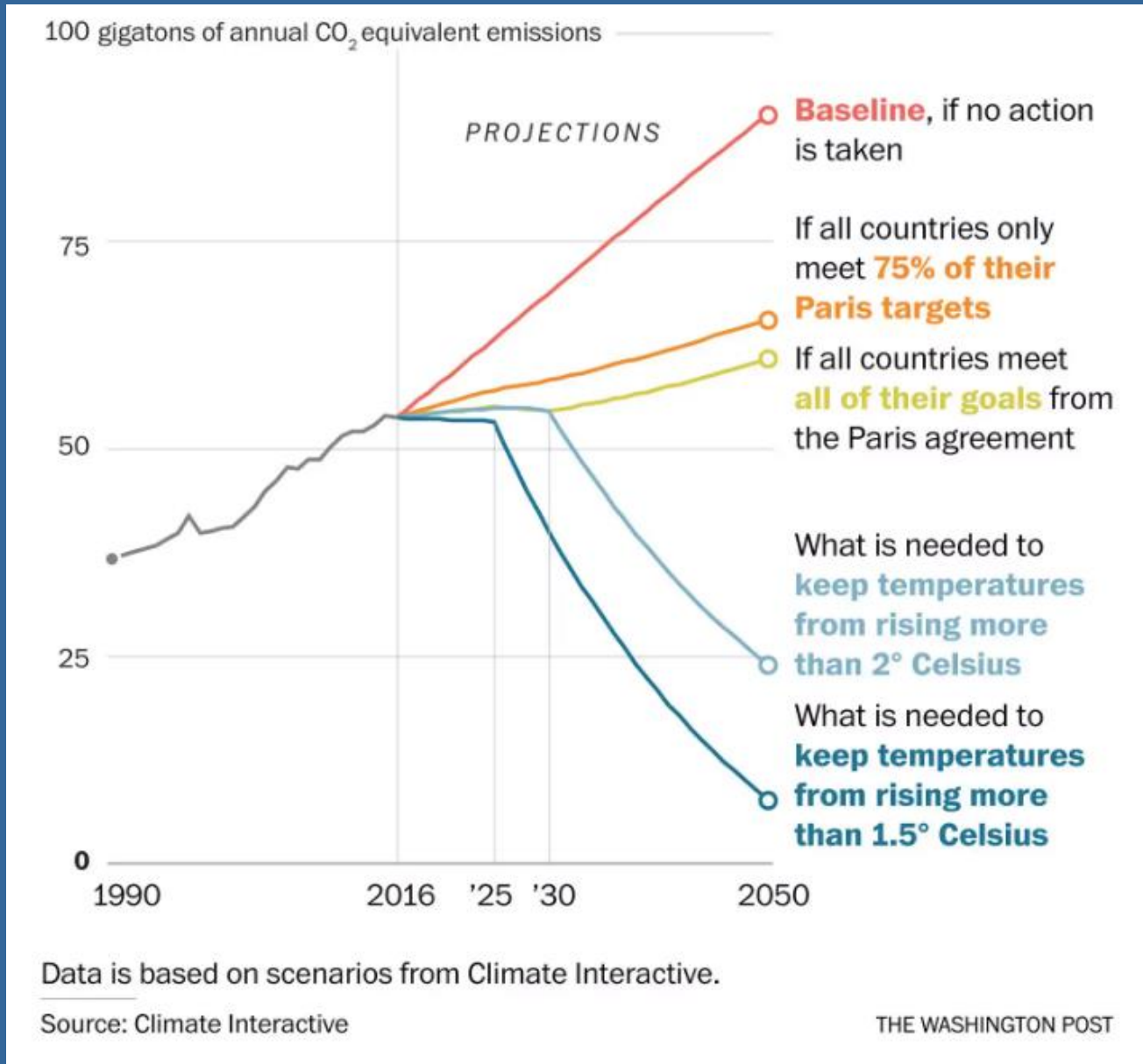


- When, not if
- The sooner, the better

# Sustainability Principles

- Reduce dependence upon fossil fuels, underground metals, and minerals
- Reduce dependence upon synthetic chemicals and other manufactured substances
- Reduce encroachment upon nature
- Meet human needs fairly and efficiently

# Article 46: Bylaw Prohibiting Use of Gasoline-Powered Leaf Blowers







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## **INCOMING EPA ADVISER THINKS AIR IS TOO CLEAN**

**Newsweek**

*Under Trump, E.P.A. Has Slowed Actions Against Polluters, and Put Limits on Enforcement Officers*

**The New York Times**

**Trump budget seeks 23 percent cut at EPA, eliminating dozens of programs**

**The Washington Post**





**ECHO<sup>®</sup>**

**PB-580H/T  
Power Blower**

ENGLISH

*Operator's Manual*

**⚠ WARNING**


*The engine exhaust from this product contains chemicals known to the State of California to cause cancer, birth defects, or other reproductive harm.*

**⚠ WARNING**



## Toxic, carcinogenic emissions

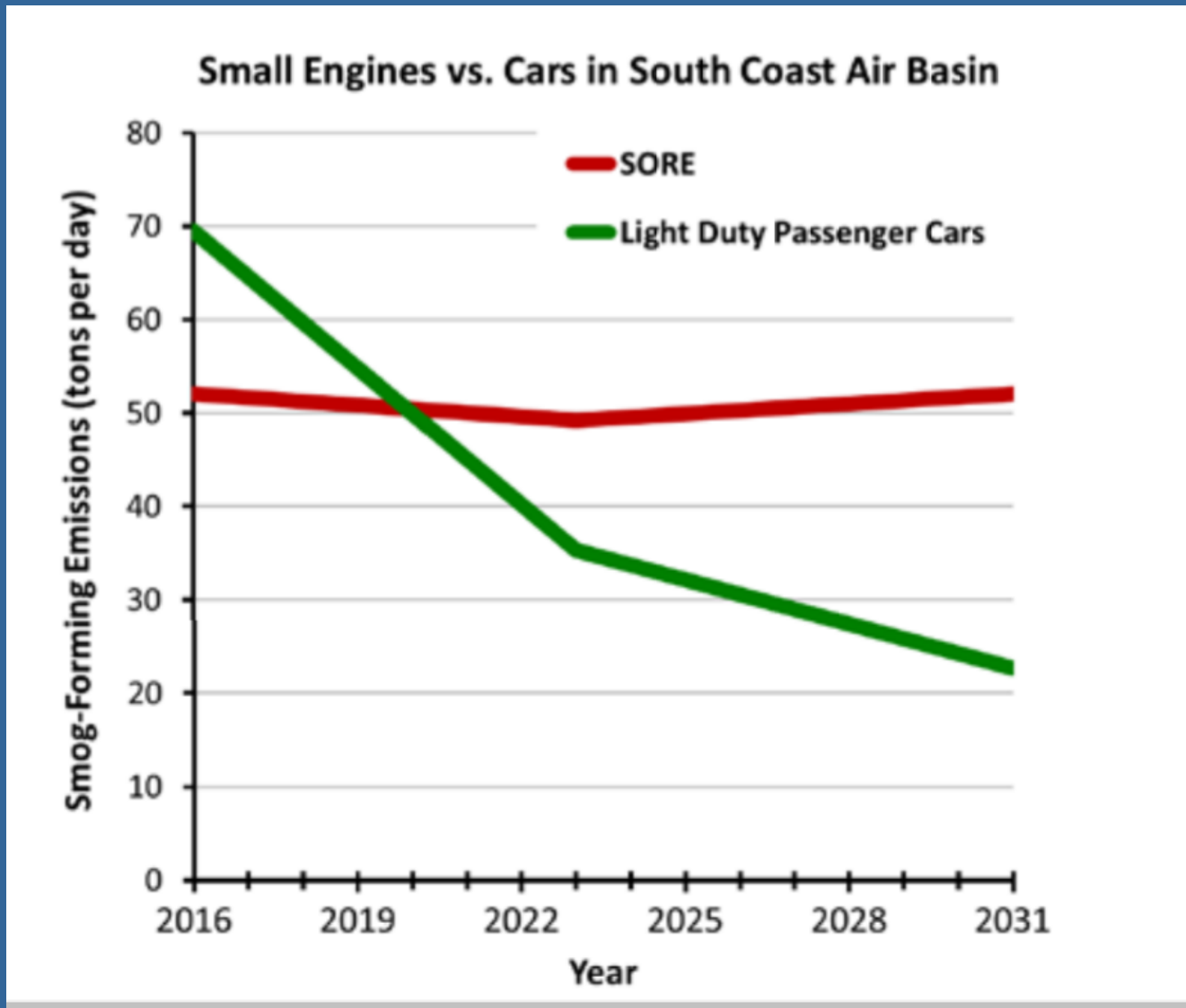
- Hazardous Air Pollutants
  - Benzene
  - 1,3 Butadiene
  - Acetaldehyde
  - Formaldehyde
- Criteria Pollutants
  - Nitrogen oxides
  - Carbon monoxide
  - Particulate Matter



Weighted Grams / Minute

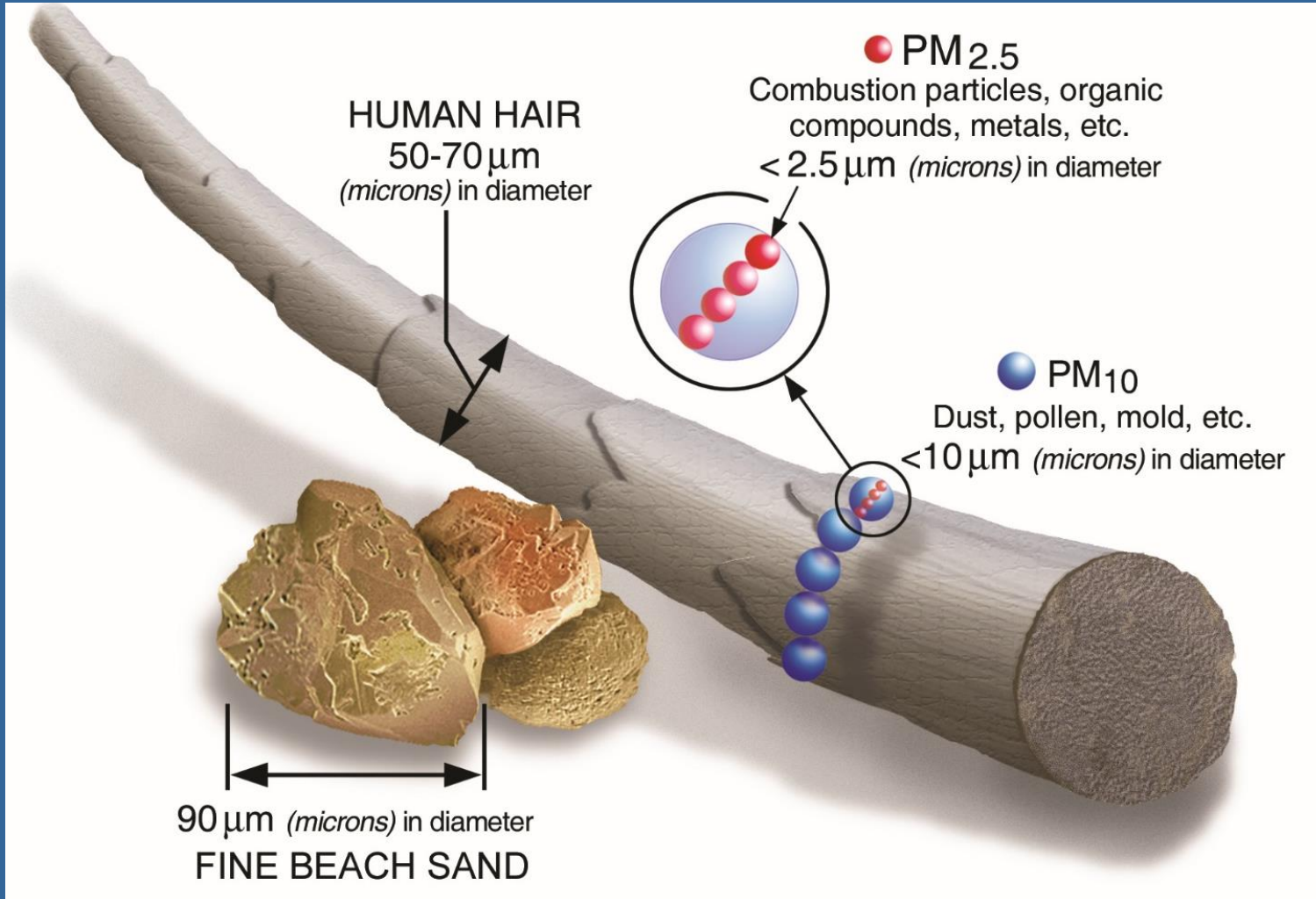
	NMHC	NOx	CO
2011 Ford Raptor	0.005	0.005	0.276
Ryobi 4-stroke leaf blower	0.182	0.031	3.714
Echo 2-stroke leaf blower	1.495	0.010	6.445

“To equal the hydrocarbon emissions of about a half-hour of yard work with this two-stroke leaf blower, you'd have to drive a Raptor for 3,887 miles, or the distance from Northern Texas to Anchorage, Alaska.”



Source: California Air Resources Board

# Particulate Matter



Source: EPA

- Particulate matter (PM)....is a complex mixture of extremely small particles and liquid droplets that get into the air.
- Once inhaled, these particles can affect the heart and lungs and cause serious health effects.
- Leaf blowers are an obvious source of particulate matter emissions.

Source: <https://www3.epa.gov/ttnchie1/conference/ei15/session5/fitz.pdf>

**The New York Times** | <https://nyti.ms/2E28osa>

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WELL | LIVE

# Air Pollution Contributes to More Than 20,000 Deaths a Year

By NICHOLAS BAKALAR DEC. 27, 2017



Centers for Disease Control and Prevention  
CDC 24/7: Saving Lives, Protecting People™

- The more often you are exposed to loud sounds over time, the more damage occurs.
- 85 decibels is the approximate point at which extended exposure can cause hearing damage.

*At the operator's ear, 95 to 115 decibels*



The noise, particulate matter, and other toxic emissions of gasoline-powered leaf blowers pose a risk to workers and the public, especially vulnerable populations such as children and elderly.

## Implementation Team

- Multi-disciplinary, multi-constituency
- Communication and education
- Pursue green grant \$\$
- Equipment demonstrations
- Trade in programs
- Alternative / low-maintenance landscapes
- Battery “lending library”

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