

Montgomery County Citizens for *Cleaner, Quieter, Safer* Lawn Care

As residents are forced to spend more of our time at home, the noise from Gas-Powered Leaf Blowers (GPLBs) is increasingly disruptive and harmful to our families' health and to our quality of life.

The District of Columbia and Village of Chevy Chase have already enacted measures to ban GPLBs and facilitate the shift by residents and landscape companies toward cleaner, quieter, and safer equipment.

Montgomery County should immediately phase out GPLBs to clean our air, protect the health of community members and workers, and reduce noise that disrupts our work and our lives.

Noise levels are harmful to the health of residents, workers

- GPLBs produce noise levels ranging from 102–115 decibels (“dBs”) at the ear of the operator, which is higher than the recommended limit of 85 dBs that the US EPA and the National Institute for Occupational Safety and Health have established.¹
- This level of noise can damage hearing, interfere with sleep, and increase blood pressure, adrenaline, and heart rates.²⁻⁷
- GPLBs emit noise that travels farther and penetrates exterior walls of homes and businesses because of the harmful lower-frequency noise they generate,⁸ while battery-powered blowers are much less harmful.⁹

Gas-Powered Leaf Blowers emit large quantities of harmful air pollutants

- They generate chemicals and particulates that can be inhaled by equipment operators and nearby residents and contribute meaningfully to regional air pollution problems.¹⁰
- GPLBs emit significant quantities of ozone-forming chemicals, carbon monoxide, and other toxic air pollutants¹¹. They generate CO₂ at a rate 3 to 9 times higher than electric-powered blowers, contributing to climate change effects.
- For the best-selling commercial leaf blower, one hour of operation emits smog-forming pollution comparable to driving a 2016 Toyota Camry about 1,100 miles¹² or approximately the distance from Washington DC to Miami, Florida.

These emissions affect the health of residents and workers

- Pollution causes, or contributes to, premature mortality, cardiovascular disease, asthma, chronic obstructive pulmonary disease, lung cancer, premature births, and other adverse health impacts.^{13,14}
- Even short-term exposure can be harmful—children, seniors, people with chronic illness, and landscape workers are at greatest risk.
- Battery-powered leaf blowers emit much lower quantities of air pollutants,⁹ and their emissions occur mostly at power plants rather than in our neighborhoods.

GPLBs disrupt our work & schooling, while harming wildlife and plants

- Noise disrupts our work, interferes with our children's schooling,¹⁵ and lowers our quality of life.
- Birds, frogs, and other creatures are forced to move away from noise,¹⁶ while plant life and pollinators are likely to be disrupted by their force and heat.

A Montgomery County phase-out of GPLBs will help encourage a transition to cleaner, quieter, and safer communities

- Both the District of Columbia and Chevy Chase Village have enacted a ban on GPLBs, effective January 1, 2022.
- Landscape maintenance companies which work in those jurisdictions already have to make a switch to cleaner, quieter, safer equipment.

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