

2-STROKE LAWN EQUIPMENT

Utah's poor summertime air quality along the Wasatch Front has significant health impacts including high rates of asthma and other respiratory illnesses.

Gas-powered 2-stroke lawn equipment produces high levels of pollution—using a 2-stroke gas-powered leaf blower for **one hour** is the same as driving the average vehicle **727 miles**! By reducing use of this equipment, or switching to electric, we can significantly improve air quality.

WHY IS 2-STROKE LAWN EQUIPMENT SO POLLUTING?

While our cars have gotten cleaner and cleaner in recent years thanks to modern pollution controls and catalytic converters, 2-stroke engines have not kept pace with these improvements.

The very nature of 2-stroke engines means that combustion in the chamber of the engine is far less controlled when compared to 4-stroke counterparts. This means that the 2-stroke engines in use today are very similar to the same engine built decades ago, and are heavily polluting.

**Gas mixed with oil, including pre-mixed fuel*

What is 2-STROKE LAWN EQUIPMENT?

GAS-POWERED

LEAF BLOWERS



STRING TRIMMERS



TILLERS



CHAINSAWS <6HP



ARE ELECTRIC VERSIONS OF 2-STROKE LAWN EQUIPMENT AS EFFECTIVE?

Electric lawn equipment has come a long way. There are a number of commercial lawn care and landscaping companies as well as facility management teams in Utah that have found electric trimmers, leaf blowers, chainsaws and tillers to be just as effective while also being quieter, easier to use, lower maintenance, and safer for employees to use.

WHAT ABOUT THE COST TO SWITCH TO ELECTRIC?

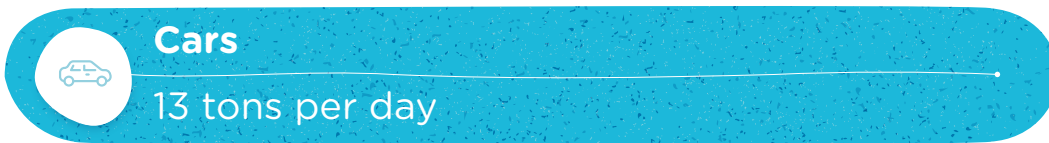
While the initial cost of electric lawn equipment can be higher, our analysis and independent analyses have found that over the life of the equipment, the cost is the same or less as gas-powered counterparts, even in commercial use.

That said, we understand that the initial investment for a business to upgrade to electric may not be feasible, which is why in spring 2023, we will begin offering incentives to businesses to purchase electric string trimmers, leaf blowers, chainsaws and tillers.



VOC EMISSIONS

TONS PER DAY
for the N. WASATCH FRONT



ChargeYourYard.utah.gov

Learn more and sign up for incentive updates

QUESTIONS?

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