



CITY OF GLENDALE LEAF BLOWER OUTREACH (LBO)

AGZA: The American Green Zone Alliance

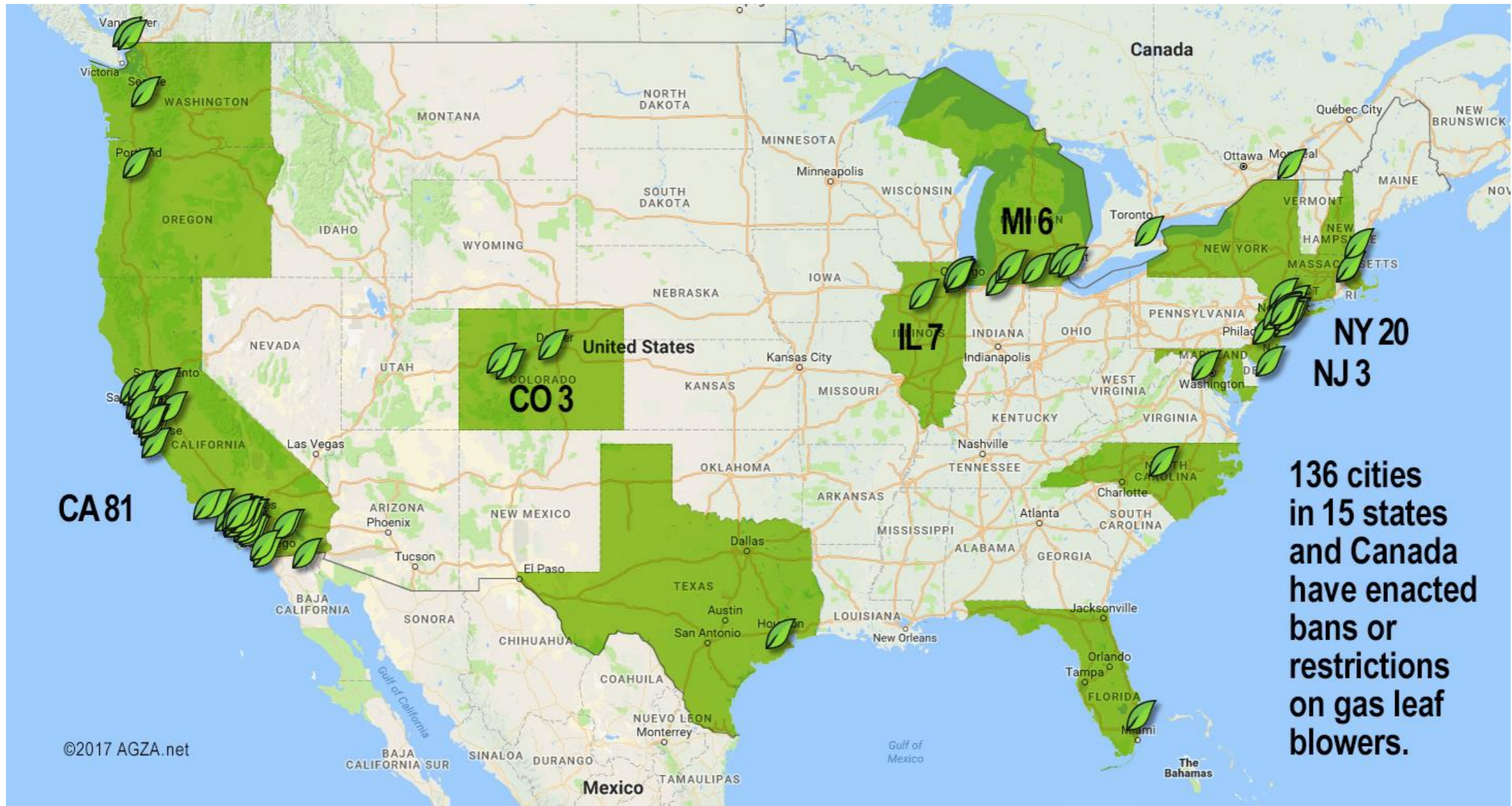
WHO A leader in low – impact sustainable grounds maintenance strategies.

MISSION Prudently transition the grounds maintenance industry to quieter sustainable practices.

APPLICATIONS Commercial crews who service municipalities, schools, and residential properties.

REGULATIONS, BANS, RESTRICTIONS, ENFORCEMENT

Over 200 and Counting



Top Ten Impacts of Gas Operations



EMISSIONS



Poisonous, toxic gasses, GHGs, carcinogenic PM

HEALTH RISKS



Asthma, heart disease, hypertension,

NOISE



Tinnitus, hearing loss, headaches, stress, irritation

VIRBRATION



Tingling, numbness, hand-arm vibration syndrome

GAS & OIL



1.2 billion gallons burned, 17 million spilled every year

TOXIC WASTE



Cans + rags of oil, cleaners, solvents, and degreasers

SOLID WASTE



Air & fuel filters, spark plugs, hoses, belts

INEFFICIENT



High friction and heat, only 20% - 40% efficiency

MAINTENANCE



Frequent maintenance and parts replacement

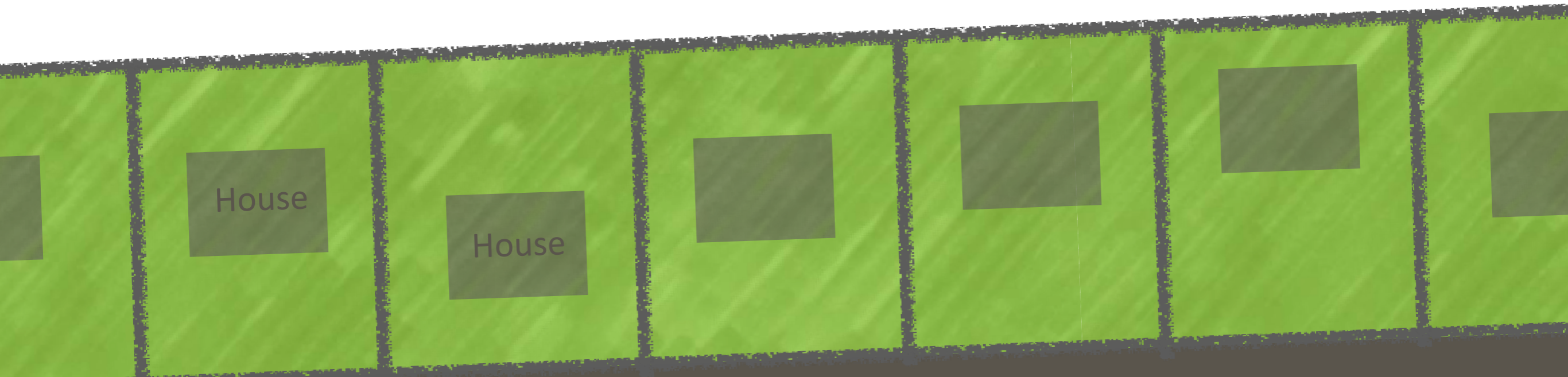
EXPENSE



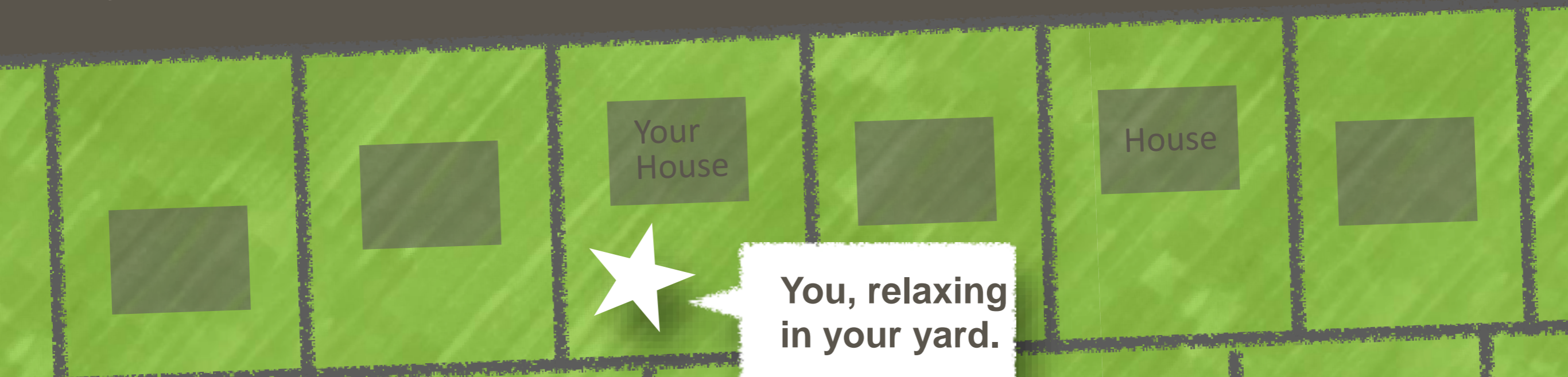
High operational cost of fuel, oil, and repairs

Top Ten Impacts of Gas Operations





riendly Neighborhood Street





House

Hous

Noisy
Gas
Machine

Friendly Neighborhood Street

Your
Hous

@#%&

House

Noisy
Gas
Machine

House

House

Quieter
Electric
Machine

Friendly Neighborhood Street

Wow!
What a difference!
Thanks AGZA!

Your
House

House

Quieter
Electric
Machine



Addressing Worker Health and Environmental Justice

HEALTH RISKS



NOISE



VIRBRATION



EMISSIONS



GAS & OIL

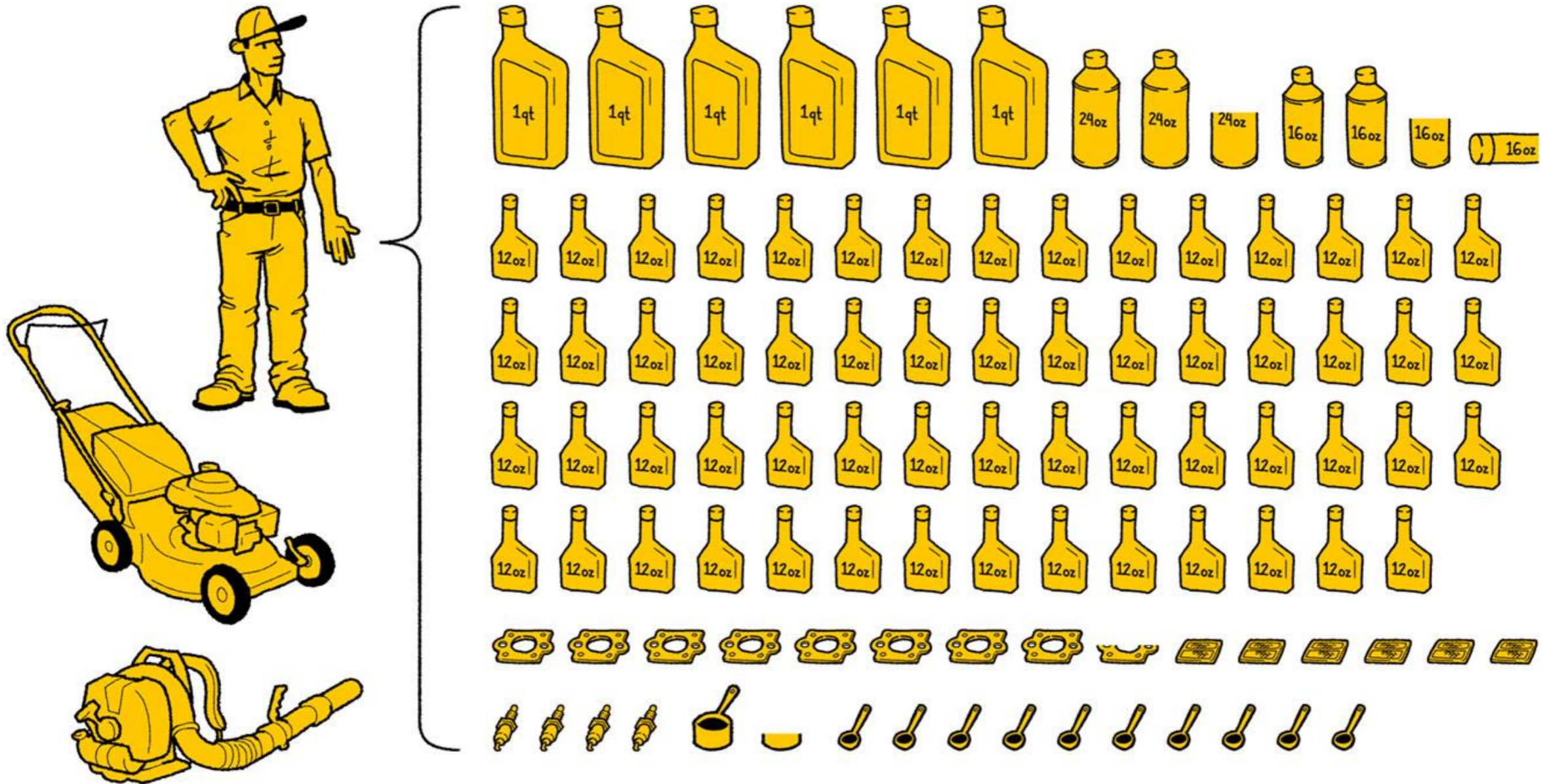


TOXIC WASTE



Solid and Toxic Waste Streams from a single gas crew worker

In addition to all the gas and oil burned and smog-forming emissions and greenhouse gasses created, each gas crew worker also dumps 50 bottles, cans, tubes, and parts into landfills every year. These leech residual toxic chemicals into the soil and water. Electric tools need almost no maintenance or parts, and therefore create almost no waste stream.





AGZA PROGRAM SOLUTIONS

1. Institutional AGZA Green Zones®

South Pasadena: The Nation's First AGZA Green Zone City



The City of South Pasadena is the first
AGZA GREEN ZONE[®] CITY
in the nation! Learn more at AGZA.net



South Pasadena, the Nation's First AGZA Green Zone® City

Mapping and Metrics of Grounds Maintenance Features on Each Property



- | | | |
|--|---|---|
| PARKS and TRAILS
1 Garfield Park
2 Nature Park
3 San Pascual Trail
4 Arroyo Park
5 War Memorial
6 Library Park
7 Eddie Park
8 Arroyo Dr Trail
9 Via Del Rey Pocket Parks North
10 South Pawsadena Dog Park
11 Heritage Park
12 Snake Trail
13 Via Del Rey Pocket Park South
14 South Pasadena Sign Trail
15 Stoney Dr Trail
16 Demonstration Garden | SPORTS FIELDS
17 Burke, Clarich, Nelson Fields
18 Orange Grove
19 Arroyo Park South Field | MEDIANS and EASEMENTS
31 Huntington Drive
32 Arroyo Drive Easement
33 Fair Oaks
34 Orange Grove
35 Hawthorne
36 Camden Court Parkway
37 Arroyo Seco Racquet Club
38 Pasadena Avenue
39 Stoney Drive Easement
40 El Centro Parkway
41 Monterey Road
42 South Pasadena Sign Hillside
43 El Cerrito Circle
44 Raymondale
45 State Street
46 Stratford Circle
47 Sterling Place Triangle
48 Fletcher Drive |
| ADMIN BLDGS
20 City Hall
21 San Pascual House | | WATER STORAGE
22 Garfield Reservoir
23 Westside Reservoir
24 Wilson Reservoir
25 Grand Reservoir
26 Graves Reservoir
27 Blike Tank
28 Wilson Well
29 Kolle Pump House
30 Raymond Tank |



AGZA Green Zone Celebration



Glendale City Yard





Congratulations City of Glendale

For the establishment of eight AGZA Green Zone Certified city properties.

- **City Hall Complex**
- **Verdugo Adobe**
- **Casa Adobe de San Rafael**
- **Maryland Ave Park**
- **Heritage Garden**
- **Wilson Mini Park**
- **Doran Mini Park**
- **Harvard Mini Park**

All routine grounds maintenance is now performed with low noise, low-impact equipment and sustainable practices. City of Glendale has phased out the use of all two-stroke tools, eliminating tons of airborne pollutants every year and permanently lowering operating noise by 40-70%. The health and environmental benefits will be enjoyed by City Residents, Visitors, Staff and Management in perpetuity.

Dan Mabe
CEO & President

A handwritten signature in black ink, appearing to read "Dan Mabe".

April 2021

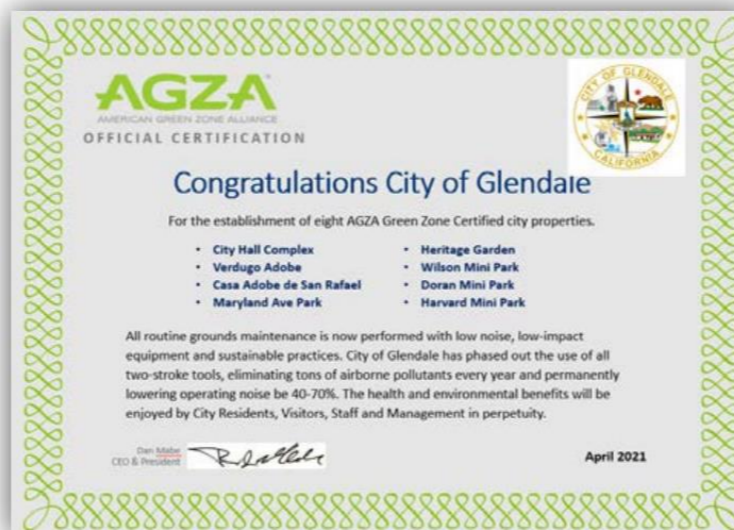
Training with Parkwood Glendale City Hall





Electric Operated Equipment & Infrastructure

- Implementation Spring 2022 at the following facilities:
 - Windsor Mini Park
 - Skate Park
 - Piedmont Park
 - Milford Park
 - Nibley Park
 - New York Park
 - Carr Park



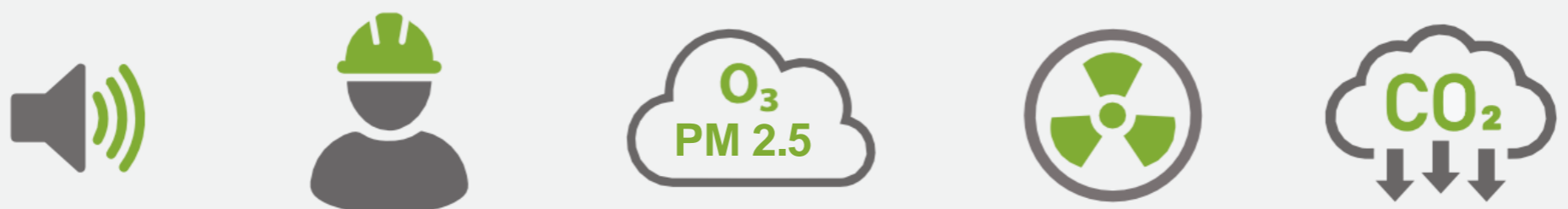
\$100,000



Communicating Progress - Environmental Landscape Footprint (ELF™)

A trusted independent, third - party source for impact reporting

Experience reductions in:



Noise Worker Exposure Ground Ozone Solid & Toxic Waste CO₂

ELF® DASHBOARD

Total Emissions Avoided Per Year

Ozone-forming emissions:

579
lbs./yr

Fine particulate matter:

17
lbs./yr

Carbon monoxide:

34,952
lbs./yr

Carbon dioxide:

114,162
lbs./yr

TOTAL: **75** TONS/YEAR



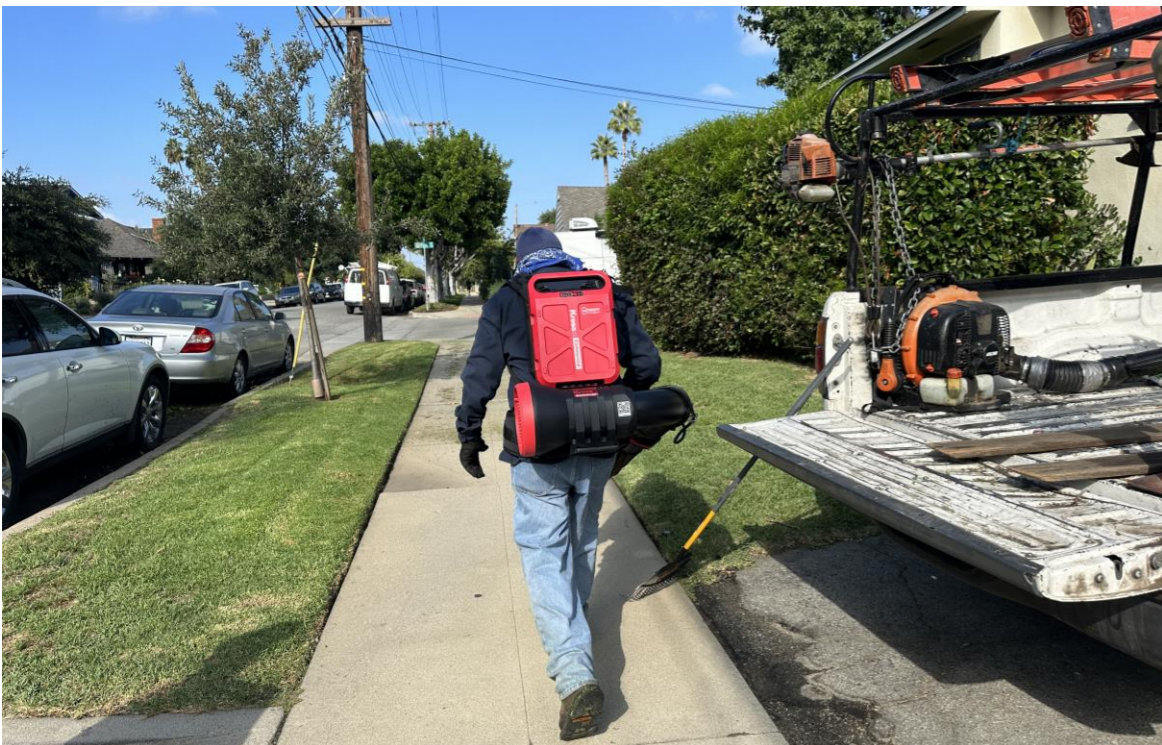
Perception: Look at the Equipment Try Not Don't Demonizing Workers













**Paradigm Shifts
in societal thinking.
Fresh Thinking about
Your Landscaping.
Communication!**

Hyper Manicured Landscaping









The Landscaper

The Homeowner





AGZA
Green Zone
Gas-Free Yard
QUIET HEALTHY CLEAN
WE KICKED GAS™

21"

66V

What steps can homeowners and gardeners take together today?

- Stop or reduce the use of Gas Leaf Blowers
- Mulch leaves with mower
- Use rake/broom selected areas
- Use electric blower efficiently and judiciously
- Homeowners - Consider paying your gardener a little more \$ to go electric
- Gardeners – Consider how important you are to the quality of life in the community

City of Glendale **Gas Powered Leaf Blower Ban**

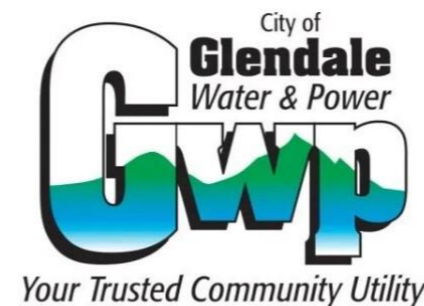
Only Electric Leaf Blower can be used within the City of Glendale. The use of gas-powered leaf blowers is prohibited. Enforcement starts September 1, 2024.

[Glendale Municipal Code Title 8 Chapter 50».](#)

This code is current through [Ordinance 6008](#), effective September 8, 2023. For more recent amendments, please refer to the CodeAlert page.

- [Definitions](#)
- [Prohibition on use of gas-powered leaf blowers](#)
- [Education program](#)
- [Enforcement](#)

[Download the Ordinance](#)



City of Glendale GWP Rebate Program

- All electric leaf blowers qualify for rebate.
- Limit 1 rebate every 5 years per customer at the same residence.

\$50 rebate if purchased in Glendale

\$40 rebate if purchased outside Glendale

[Click here to apply for a rebate](#)

Rebates and Electric Alternatives

Rebates for electric leaf blower and landscaping equipment for commercial landscaping companies are available through California CORE, South Coast Air Quality Management District, and Glendale Water & Power for electric customers. Residents can receive a rebate for an electric leaf blower through Glendale Water and Power.



Glendale
CALIFORNIA

[CORE Program Retailers](#)

[South Coast AQMD Program Retailers](#)

[City of Glendale GWP Rebate Program](#)

[CORE Program Electric Equipment](#)

[SCAQMD Program Electric Equipment](#)

[Submit Your Questions Here](#)

SCAQMD GAS TRADE - IN



INCENTIVE FUNDING:

- The 2023 eL&G Program reduces the purchase price of the commercial-grade battery electric lawn and garden equipment.
- **Up to 85% discount will be provided**, up to the funding caps listed below (whichever is less):





PROCESS:

- The 2023 Commercial Electric Lawn & Garden Equipment Incentive and Exchange (eL&G) Program will be a voucher-based process.
- Eligible participants of the eL&G Program participating retailers who will apply for vouchers, which will be applied as a point-of-sale discount towards the purchase price of the new lawn and garden equipment.
- Prior to picking up the new equipment, the participating retailers will test the old lawn and garden equipment for operability, responsibly drain all fluids, before sending to license dismantler who will permanently destroy the old equipment.

FREQUENTLY ASKED QUESTIONS COMMERCIAL ELECTRIC LAWN & GARDEN EQUIPMENT PROGRAM



- **PROGRAM GOALS:** Improve air quality by exchanging older, polluting gasoline- or diesel-powered commercial lawn and garden equipment for new zero emission, battery electric commercial grade equipment for operation within the South Coast AQMD four county region.
- **ELIGIBILITY:** Commercial gardeners and landscapers, local government agencies, school districts and colleges, and non-profit organizations are eligible to participate.

End User and Manufacturer Responsibilities

- As the battery electric revolution expands it is critical that end users and manufacturers take steps to ensure batteries are reused, recycled, or disposed of in a responsible manner to prevent or reduce negative impacts on our planet.





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American Green Zone Alliance

www.agza.net