

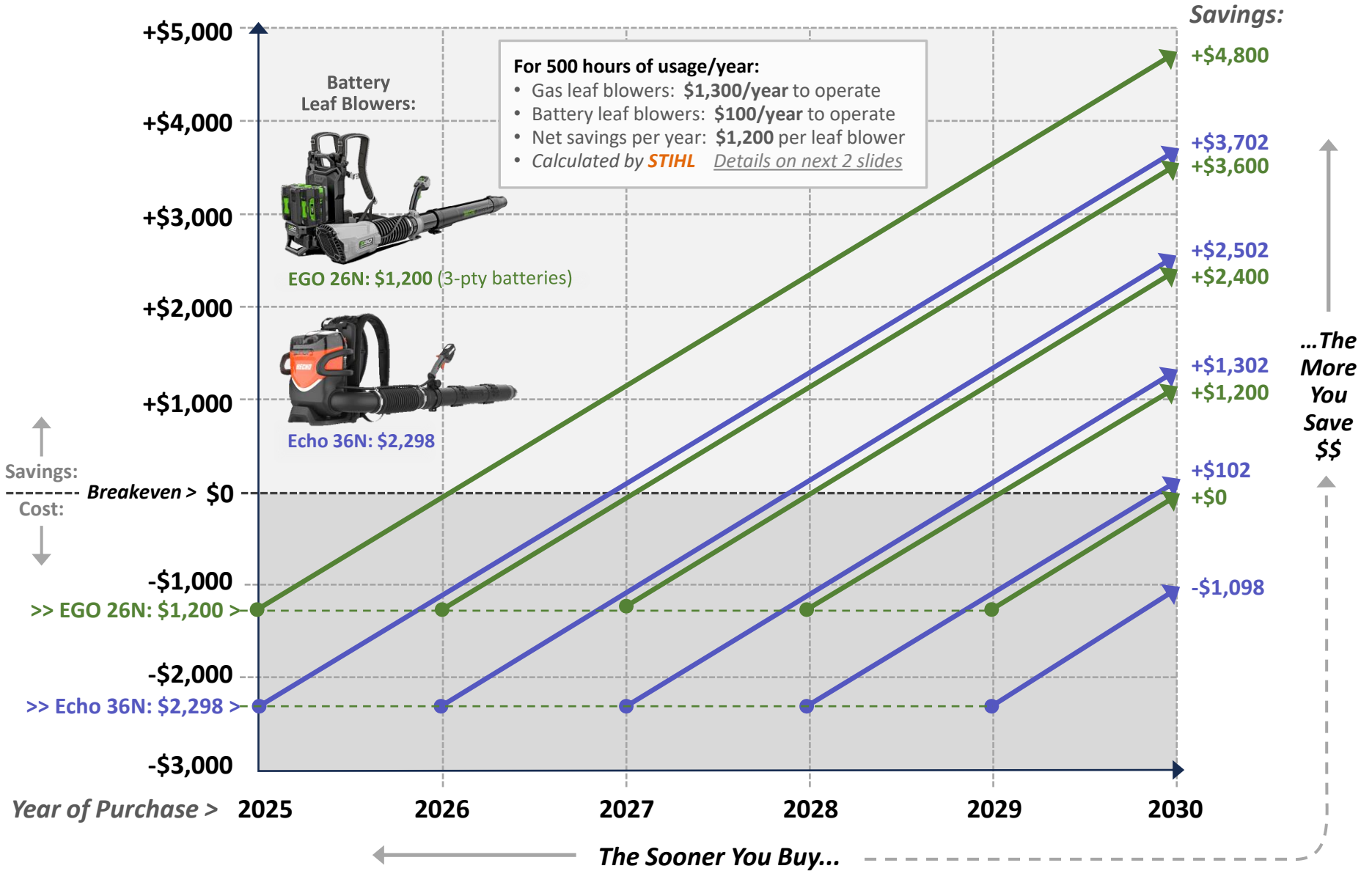
COST ANALYSIS: Battery vs. Gas Leaf Blowing

1. Operating cost comparison summary
2. Calculations by **STIHL**
3. Battery leaf blower products: cost/configurations
4. How **Green Landscapers** do more with less blowing
5. PS: Just how significant is leaf cleanup revenue?



Battery Leaf Blowers Save \$1,200/Year vs. Gas

- Costs turn quickly into savings
- The sooner you buy, the more you save



Calculating Battery vs. Gas Cost Savings

-- Calculated by **STIHL** --

Factors:

- Usage: 500 hours/year
- Gasoline leaf blower:
 - 0.45 gal/hour burned
 - $500 \times 0.45 = 225$ gal/year
(= 7.5 gal/week x 30 weeks)
 - Gas: \$3.30/gal (89 octane)
- Battery Leaf Blower:
 - \$0.29 kWh cost

Results:

- Battery LB Operating Cost Savings:
\$1,022/year (from Stihl calculator)
- Battery LB Service Cost Savings:
\$150/year (no maintenance required)
- Total Battery LB Cost Savings:
 $\$1,022 + \$150 = \mathbf{\$1,172/year}$ (~\$1,200)
- Separated Yearly Costs:
Gas LB = \$1,274 (~\$1,300)
Battery LB = \$102 (~\$100)

STIHL PRODUCTS + PROFESSIONAL + GUIDES & PROJECTS + SUPPORT & EVENTS + DEALS +

Investment can pay off.

COMPARE BATTERY VS. GAS POWER

Input information about your equipment usage and local prices to calculate your savings.

Please note that not every gas tool has a directly comparable battery-powered alternative. STIHL is always innovating our line of professional battery-powered tools, so check back in the future for the latest product offerings.

STEP 1: BEGIN YOUR CALCULATION BY SELECTING THE PRODUCT YOU WANT TO COMPARE

BATTERY GAS

Stihl online calculator: [LINK](#)

STEP 2: CHOOSE A PRODUCT

BRA 500

COMPARABLE PRODUCT¹

BR 600

STEP 3: CUSTOMIZE USAGE

GALLONS OF GAS CONSUMED PER WEEK: 7.5

OPERATING WEEKS PER YEAR: 30

CURRENT COST OF GAS PER GALLON: \$3.30

ELECTRIC PER KWH Not sure of your Electricity Price? [Find it here.](#) \$0.29

SAVINGS RESULTS

\$1,022
EST. ANNUAL BATTERY COST SAVINGS⁶

\$85
EST. MONTHLY BATTERY COST SAVINGS⁶

Selected Battery Leaf Blowers:

Cost and Configuration

Products:

- Echo (makes gas & battery leaf blowers)
- Greenworks (makes only battery leaf blowers)
- EGO (makes only battery leaf blowers)

Power:

- 25N and 35N: Power points that span typical gas leaf blowers in use

Package Includes:

- 1 Leaf blower
- Dual charger
- 2kWh battery capacity (provides 3-hour runtime on high/turbo mix)

Note: Newtons are the best measure of leaf blower power. 1 Newton is the force needed to accelerate 1 kg of mass at the rate of 1 m/sec².

35N

Power:
(Newtons)

25N

Echo:



Echo DPB-7700T

- 56V
- 36N

Total Package: \$2,298

- **Breakeven: 1.9 years**
- **5-Year Savings: \$3,702**



Echo DPB-5900T

- 56V
- 25 Newtons

Total Package: \$1,998

- **Breakeven: 1.7 years**
- **5-Year Savings: \$4,002**

Greenworks:



Greenworks Optimus

- 80V
- 36N

Total Package: \$1,960

- **Breakeven: 1.6 years**
- **5-Year Savings: \$4,040**



Greenworks BPB80L421

- 80V
- 25N

Total Package: \$1,347

- **Breakeven: 1.1 years**
- **5-Year Savings: \$4,902**

EGO:



EGO LBPX1100

- 56V
- 37N

Total Package: \$2,131

- **Breakeven: 1.8 years**
- **5-Year Savings: \$3,869**

3rd party batteries available at lower cost



EGO LBPX8006-2

- 56V
- 26N

Total Package:

- OEM batteries: **\$1,600**
- 3-pty batteries: **\$1,200**

- **Breakeven: 1.8/1.0 years**
- **5-Year Savings: \$3,845/\$4,800**

Best Deal w/3rd-party Batteries!

3rd party batteries available at lower cost

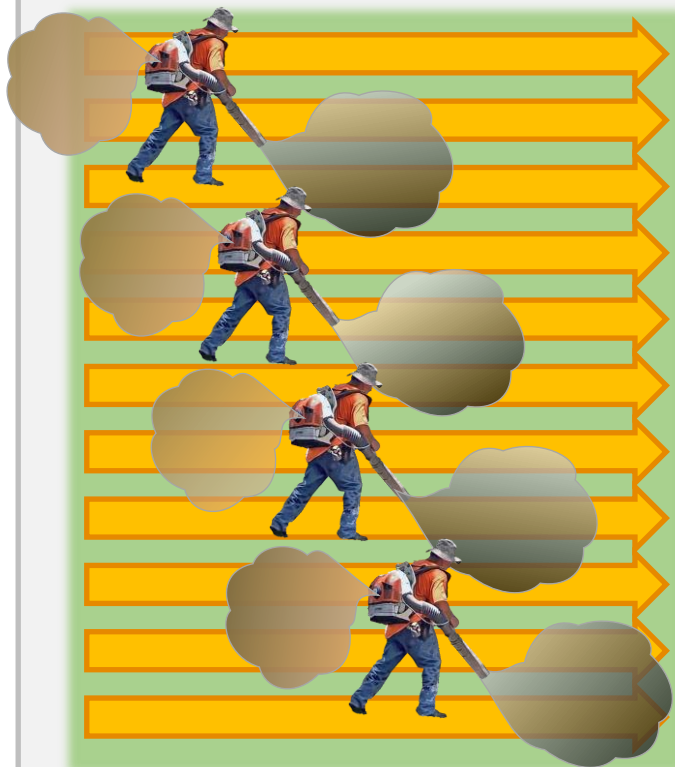
Green Landscapers Blow Less, Mow-mulch More*

Less and shorter distance leaf blowing both speed things up and reduce the need for batteries and charging

GAS APPROACH:



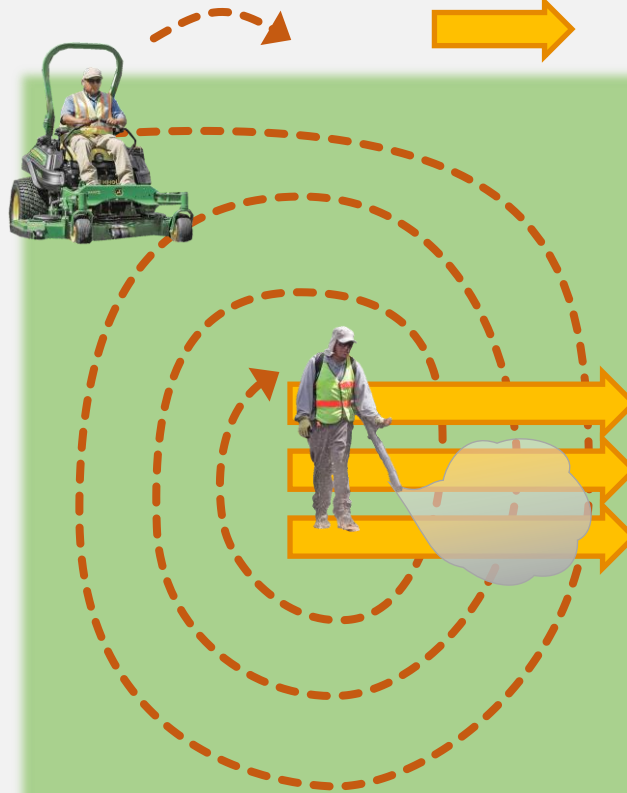
Gas leaf blow all leaves to woods or curb



GREEN APPROACH:

1. Mow-mulch leaves in spiral, side exit, creating mulch pile in center

2. Battery leaf blow mulch pile to garden, woods or curb



Green Approach Benefits:

1. Saves time as mow-mulching is faster than blowing
2. Saves money as battery leaf blowing is less costly than gas leaf blowing
3. Cuts down the need for batteries and charging
4. Turns leaves into nutritious leaf mulch for garden beds
5. Reduces or eliminates the need for expensive bark mulch
6. Is much healthier for people and planet

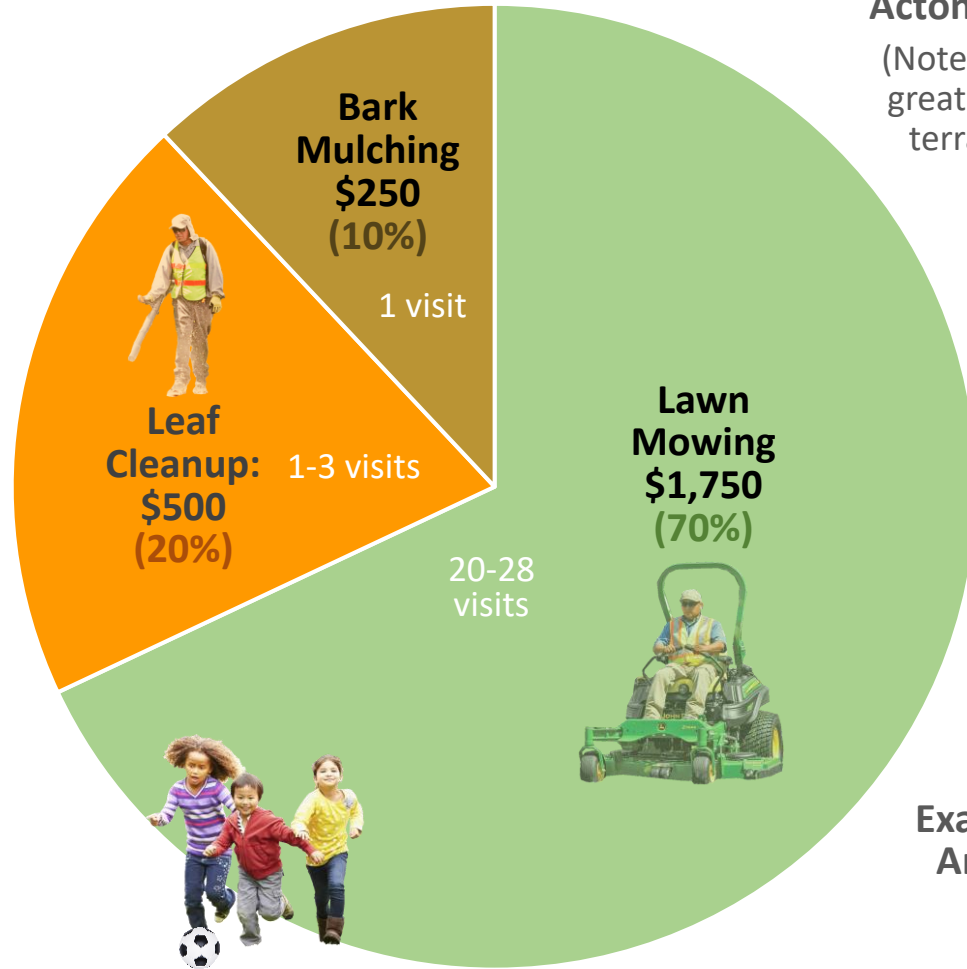
*Source:
EcoQuiet Lawncare

[See video of mow-mulching in action!](#)

PS: Just How Significant is Leaf Cleanup Revenue?

Switching to battery leaf blowers affects only ~20% of revenue, so impact on overall business is limited

Note: Landscapers also use high power gas leaf blowers for cleaning up grass clippings and bark mulch, but these "niceties" can be easily done with a low power, handheld battery leaf blower or just deemed not necessary.



Example annual half-acre Acton lawncare bill*

(Note: properties vary greatly in size, shape, terrain, number of trees, etc.)

Example Total Annual Bill: \$2,500

BOTTOM LINE: The financial impact of a leaf blower transition on landscapers is limited and temporary. Health benefits to residents, workers, and the planet are major and permanent.

*Source: EcoQuiet Lawncare