# FleetX - Energy [External]

**Environmental Impact** | Vehicle Efficiency | Energy Stewardship

*Your electric fleet doesn't just save fuel - it reduces pollution, lowers noise, and improves air quality for students and the surrounding community. Here's how your fleet is making a difference.*

Diesel Avoided (Gallons)
**10,277**

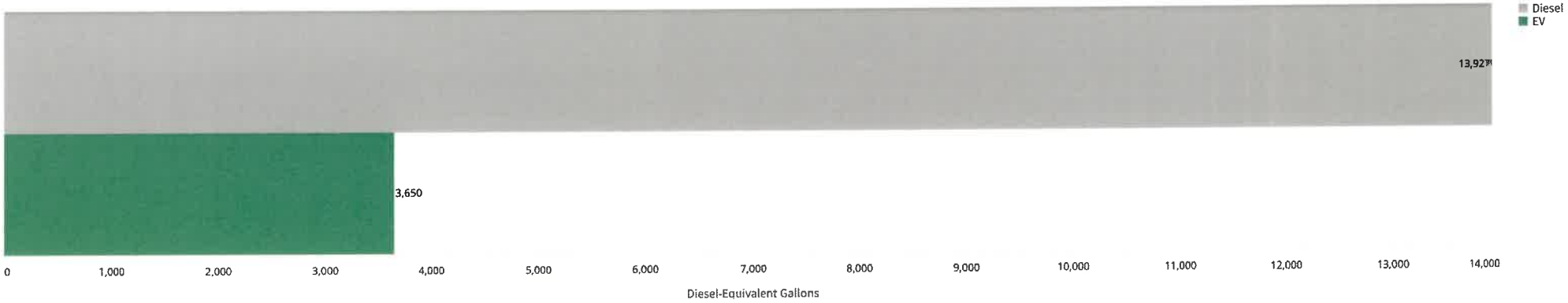
Diesel Cost Avoided
**$44,787**

Annual Trees Planted Equivalent
**7,013**
Each tree absorbs ~48 lbs of CO2 per year

Noise Reduction (dB)
**-20**
4X quieter inside vehicle

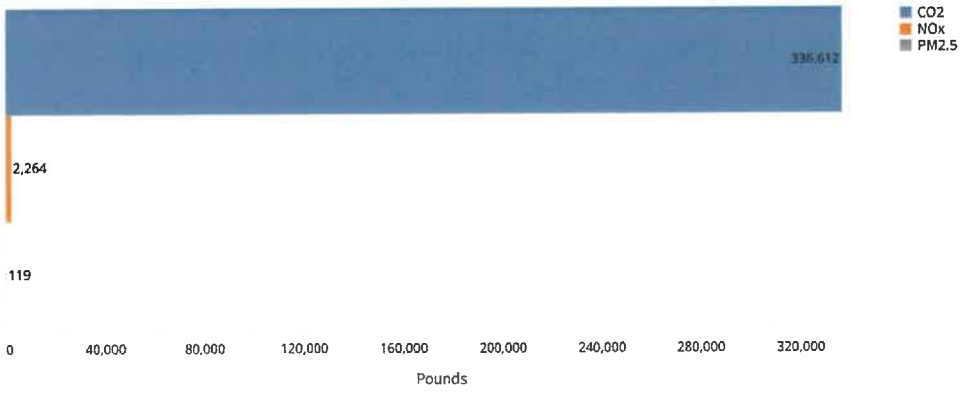
## Fuel Use

How much fuel it would take to run your routes on diesel buses vs. the energy-equivalent gallons used by your electric fleet. Electric motors convert over 90% of energy into movement. Diesel engines convert only 30–45%, losing the rest as heat. That's why EVs need fewer equivalent gallons to drive the same routes.



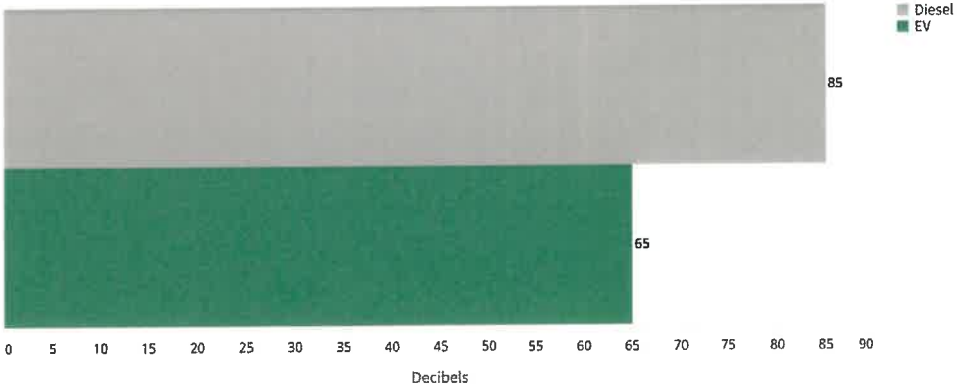

## Emissions Avoided

Pollutants kept out of the air by running electric instead of diesel. Each tree absorbs ~48 lbs of CO2 per year. NOx is the primary driver of childhood asthma. PM2.5 are fine particles that penetrate deep into lungs.




## Cabin Noise

Diesel vehicles average 85 dB (comparable to a lawn mower), while electric buses average 65 dB (comparable to a restaurant conversation). Students ride in a cabin 4× quieter.

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