



EVOLVE

ELECTRIFYING TRANSPORTATION

FLEET ELECTRIFICATION STUDY



EVOLVE HOUSTON

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EVOLVE HOUSTON IS UNIQUELY SITUATED AT THE HEART OF TRANSPORTATION ELECTRIFICATION WITHIN THE ENERGY CAPITAL.

Evolve Houston is a public-private coalition that convenes public entities, industry, and community residents to accelerate EV adoption and deliver real benefits to society through the shared values of environment, economy, and equity.

Together with the leadership and collaboration of Evolve's member organizations, Evolve is working to improve air quality and reduce GHG emissions throughout the Greater Houston area.

FOUNDING MEMBERS



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TAKE THE FIRST STEP TO ELECTRIFY YOUR FLEET.

In collaboration with eIQ Mobility, Evolve Houston began its Fleet Study Program in 2021 to bolster electrification planning across major public and private regional fleets. The studies are backed by the data platform of eIQ Mobility and funded in part by the Energy Foundation.

The C&I Program assisted public and private fleets, totaling 15,000 fleet vehicles, to determine their electrification strategy. As a result, Evolve identified \$28MM in lifetime savings and an annual reduction of over 17,000 metric tons of CO₂.



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COMPLETED FLEET STUDIES



City of Houston
Assessed 5,320 vehicles



Harris County
Assessed 3,390 vehicles



Fort Bend County
Assessed 883 vehicles



eIQ Mobility is a NextEra Energy Resources company that is building a trusted platform that drives vehicle fleets into a smart, electric, and cost-effective future. Their platform EValuate has analyzed over 120,000 of their customers' vehicles to date, covering more than 400 million miles.

BUILD YOUR ELECTRIFICATION STRATEGY

1 Data Collection

In the Data Collection stage, Evolve Houston's fleet study team outlines the data collection requirements. We help deliver deep insights on the electrification feasibility with fuel and vehicle type data.

2 Data Validation

The Data Validation stage is where our team presents our initial findings from the study and outlines our understanding of your fleet. During this stage, we will also determine options to calculate fleet electrification feasibility.

3 Results Delivery

In the Results Delivery stage, Evolve Houston presents the findings of the electrification assessment as well as the next steps for the fleet's management to further pursue electrification. These results are provided as a formalized report.



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Total Time: 2-3 Months

Together, we will determine:

Technical Feasibility.

EVs which match the vehicle classification type, daily range, and dwell/charging time for an existing fleet ICE vehicle.

Economic Feasibility.

EVs which have an equivalent or lower total cost of ownership (TCO) over the lifetime of the vehicle.

Environmental Impact.

Comparison of lifetime emissions reductions between existing ICE vehicle tailpipe and equivalent EV grid emissions.

Vehicle Electrification Recommendations.

A per-vehicle alignment of existing ICE vehicle and the best-match EV expected to be on the market within 3 years.

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