Energy-Efficient Trucks

U.S. trucks consume about 50 billion gallons of diesel fuel each year. Increasing fuel efficiency for both new and existing trucks can lead to significant emission reductions. Numerous fuel-saving technologies are available at compelling paybacks.

QUICK FACTS

- According to the Georgia Department of Revenue, there were about 400,000 registered medium-duty and heavy-duty trucks in Georgia in 2019. These large vehicles consume a disproportionate share of motor fuel.
- Emissions from trucks can be cut by reducing idle time and increasing route and operating efficiency via infrastructure and technology improvements.
- Fuel efficient medium-duty and heavy-duty trucks are available and are already a strong presence in the market.
- In certain applications, such as fleets and delivery trucks, electrification can reduce costs and reduce emissions.

BEYOND CARBON

- Energy-efficient trucks offer environmental and public health benefits from localized air quality improvements.
- This solution can also create jobs when we design and make fuel-efficient trucks and underlying technologies in Georgia.
- Issues to watch include the higher upfront investment costs and early depreciation and sunk costs associated with incumbent assets.

GEORGIA’S 2030 MEGATON OPPORTUNITY

We could reduce 1 Mt of CO2e in Georgia by reducing diesel fuel use in medium- and heavy-duty trucks by 10%.

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