



# Joint Study Committee On The Electrification of Transportation

Presentation By Brad Skinner  
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**Georgia is laying the groundwork for leading the transportation industry.**

- EV Production
- Battery Technology Production & Innovation
- Charging Infrastructure & Dedicated Lanes

**All of these innovations enhance Economic Development, Environmental Stability, Roadway Safety, and Transition to < lower carbon footprint >.**



## **“Lead, follow or get out of the way”**

- Green jobs are the future
- Modern factories are the present and the future
- Public-Private Partnerships are channel for national policy and economic development

## Fuel Cost Comparison Between Diesel and Electric Class 8 Tractors



Diesel	
Average Miles per Gallon	8.0
Average Gallons per Mile	0.125
Price per Gallon of Gasoline	\$3.28*
Daily Range (mi)	200
Operational Days	250
Gallons Burned per Day	25
Cost of Fuel per Day	\$82.00
<b>Estimated Annual Fuel Cost</b>	<b>\$20,500</b>

\* 2021 average weekly U.S. price per EIA



Electric	
Miles per Kilowatt Hour (kWh)	0.5
Kilowatt Hour per Mile	2.0
Price of Electricity per kWh	\$0.112*
Daily Range (mi)	200
Operational Days	250
Electricity Consumed Per Day (kWh)	400
Cost of Electricity Per Day	\$44.80
<b>Estimated Annual Electricity Cost</b>	<b>\$11,200</b>

\* 2021 average U.S. price of electricity – all sectors per EIA

Approximate Annual Fuel Savings per Vehicle:

**\$9,300**



# Freightliner eCascadia



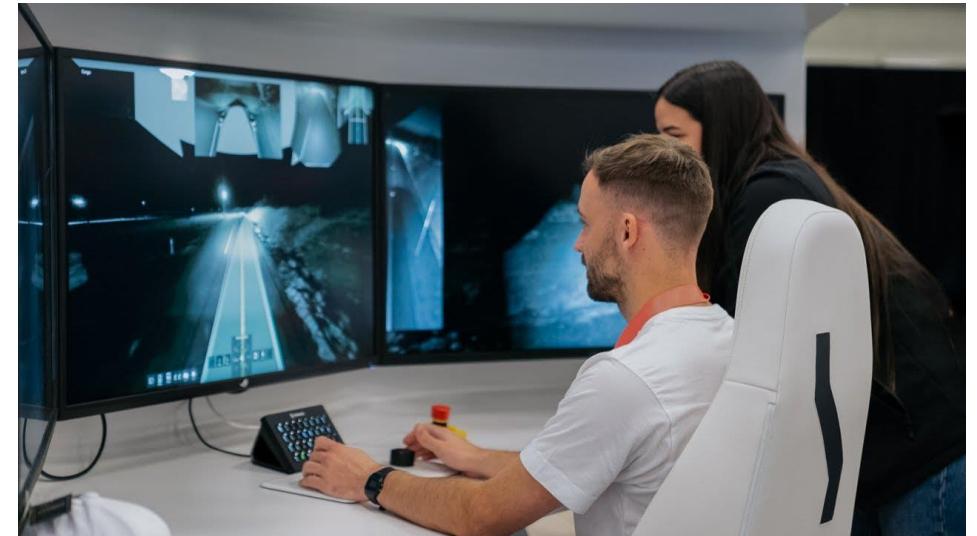


# Volvo VNR Electric





# Einride Pod & Remote Driver at GE Appliances Kentucky





# Outrider Automated Electric Yard Trucks







# Wabtec Battery-Electric Locomotive





**Georgia is Better Positioned than any other State.**

**→ Georgia understands that Green Jobs can further transform the quality of life in urban and rural areas of the State.**



**Georgia's Leadership will address and solve the challenges that these innovations bring.**



# Mobile Learning Lab Concept For Georgia





**The Foundation is laid for innovations in product, workforce development, taxation alternatives, higher paying skilled jobs, and in producing a sustainable energy policy.**