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BEFORE THE

**GEORGIA ELECTRIC VEHICLE  
STUDY COMMITTEE**

November 2, 2022



**“Our state [must be] positioned to continue leading the nation in the rapidly growing electric mobility industry.”**

**- Governor Brian Kemp**

- Problems and Business Needs
- Benefits and Risks
- Economics/Return on Investment



# About RaceTrac: Georgia's Own

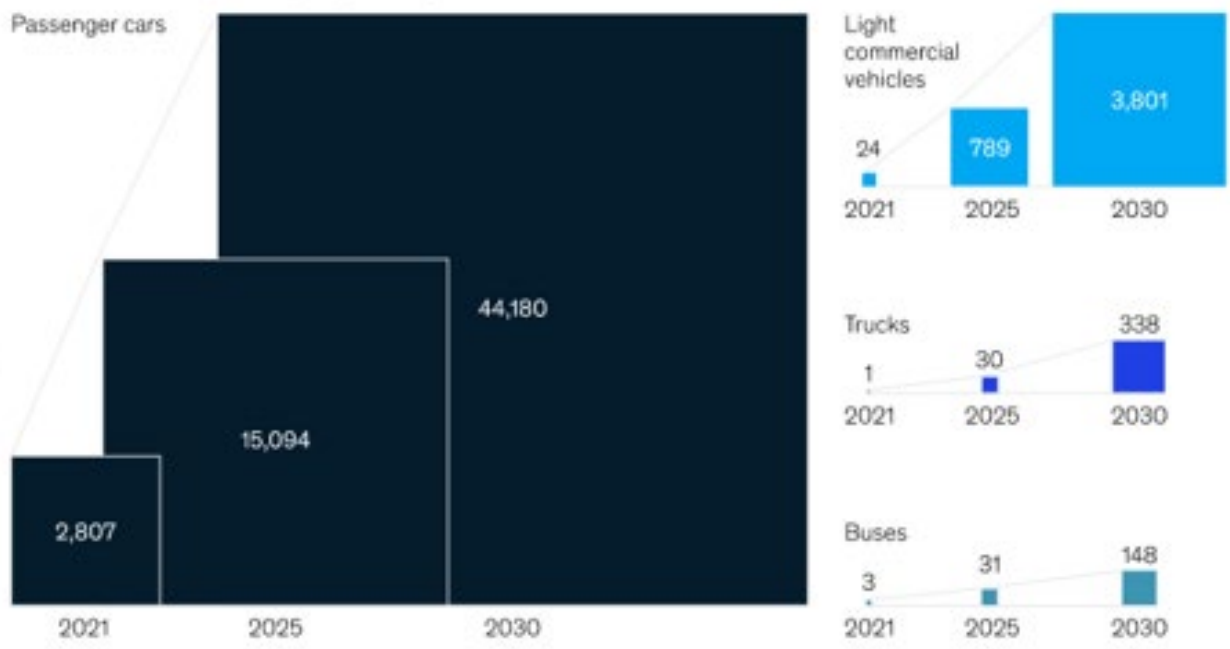


# **EV Business Case**

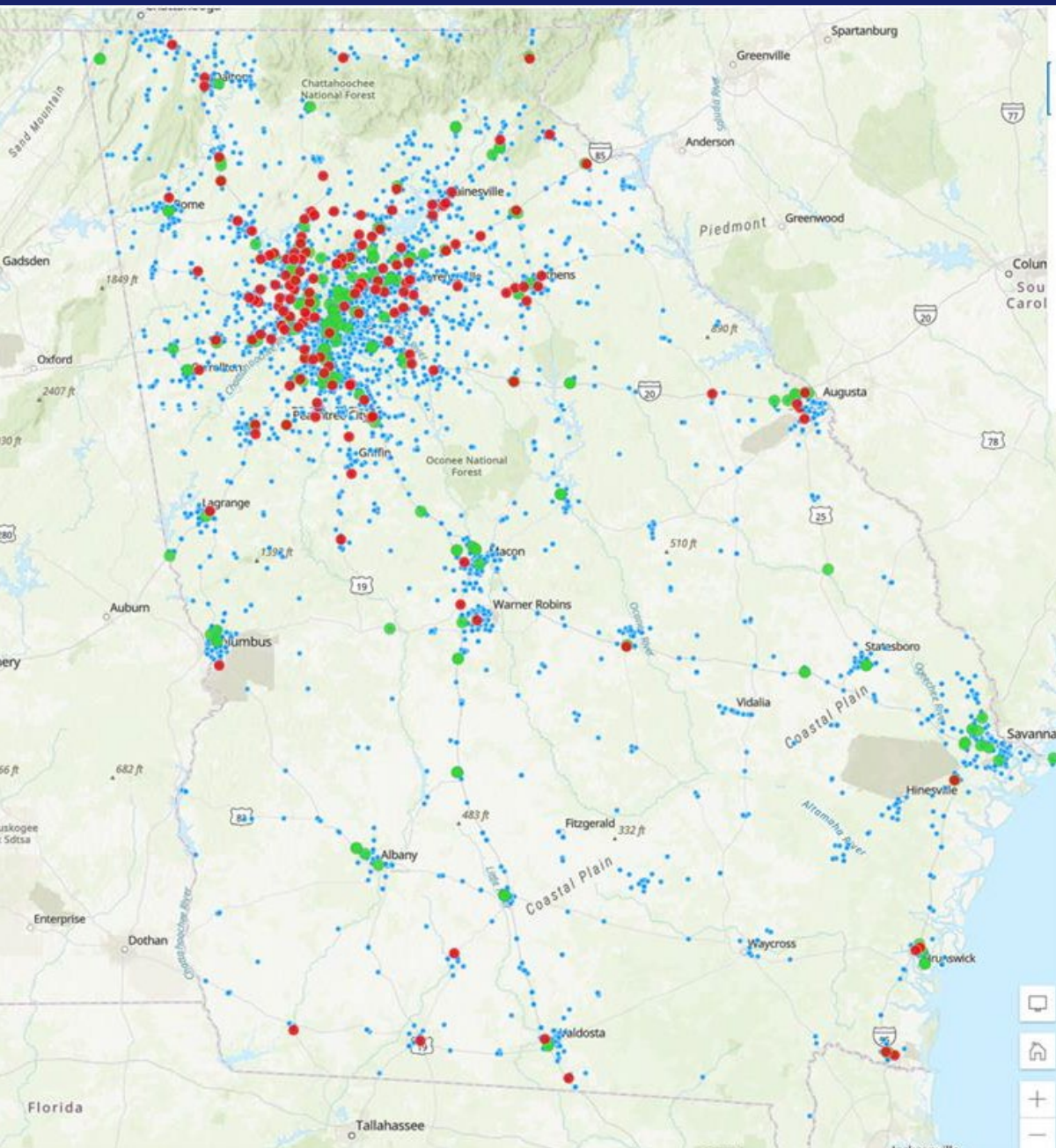
**PROBLEMS AND  
BUSINESS NEEDS**

**2022** - 3 Million EVs on the road today  
**2030** - Expected 35-45M passenger EVs on the road  
 35-40% YoY Growth Rate through 2030

Electric-vehicle parc, by segment<sup>1</sup> growth, thousands of vehicles<sup>2</sup>



<sup>1</sup> Based on a scenario where zero-emissions vehicles (battery-electric vehicles, plug-in hybrid electric vehicles, fuel-cell electric vehicles) account for half the vehicles sold in the United States in 2030, in line with a federal target.  
<sup>2</sup> Battery-electric vehicles and plug-in hybrid electric vehicles.  
 Source: McKinsey Center for Future Mobility



**In Georgia:**

**1 DCFC port per 61 EVs**

**1 Fuel Nozzles per 32 vehicles**

**KEY**

Fuel Retailers - **BLUE**

DC Fast Chargers - **GREEN**

RaceTracs - **RED**



# Where Do YOU Want To Charge?





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# Where Do YOU Want To Charge?





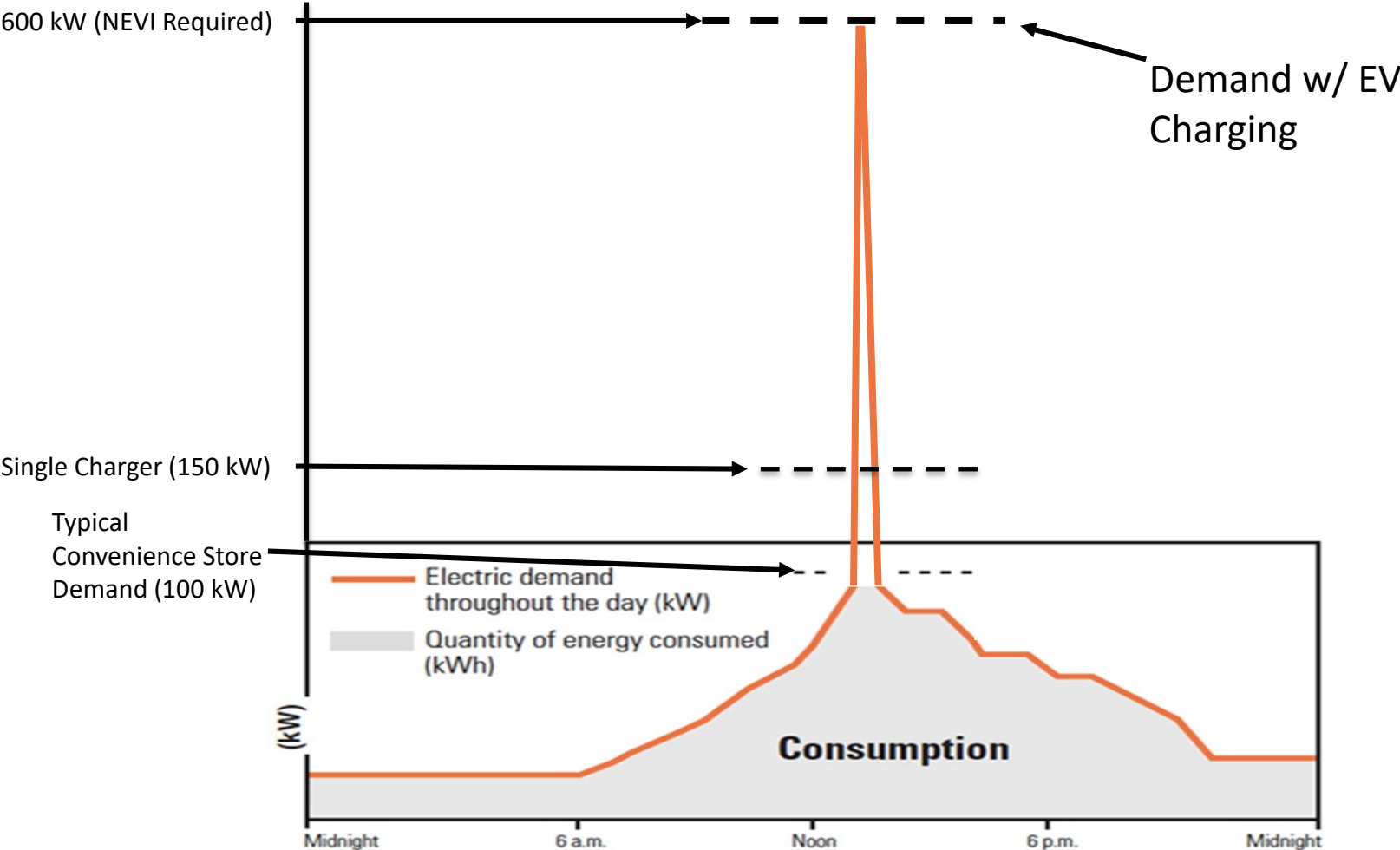
# Where Do YOU Want To Charge?



# **EV Business Case**

## **BENEFITS AND RISKS**

# What Charging Does to Demand

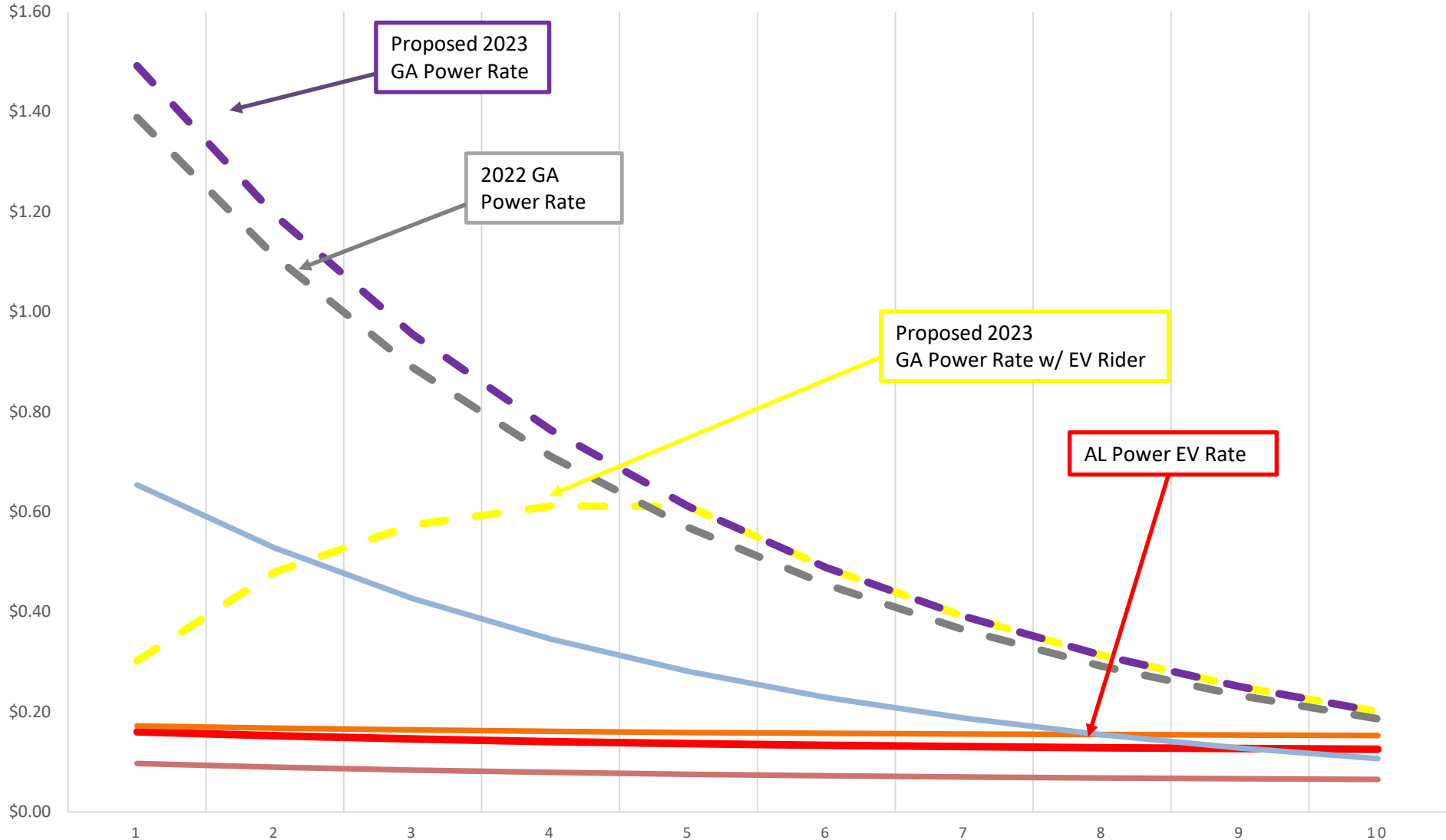




# The Cost of Electricity for EV Charging

## 600 KW (NEVI REQUIRED) CHARGER BLENDED RATES COMPARISON

- FL P&L GSD-1EV
- Alabama Power BEVT
- Tampa Elect Co GS
- Clarksville Dept of Energy CR
- GA PWR PLM-14 /w Rider
- GA PWR PLM-14
- GA PWR PLM-13

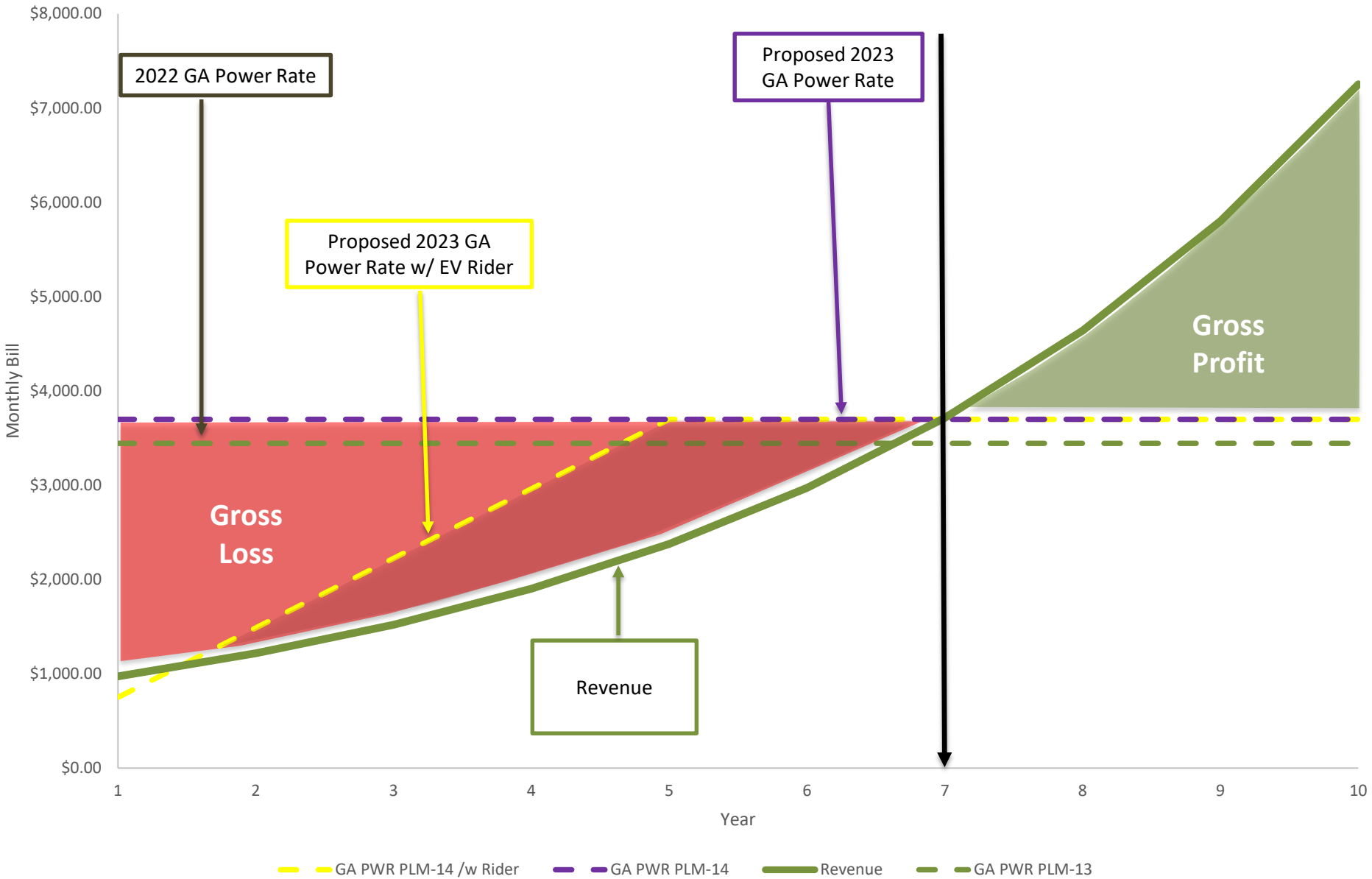


# **EV Business Case**

**ECONOMICS/RETURN  
ON INVESTMENT**

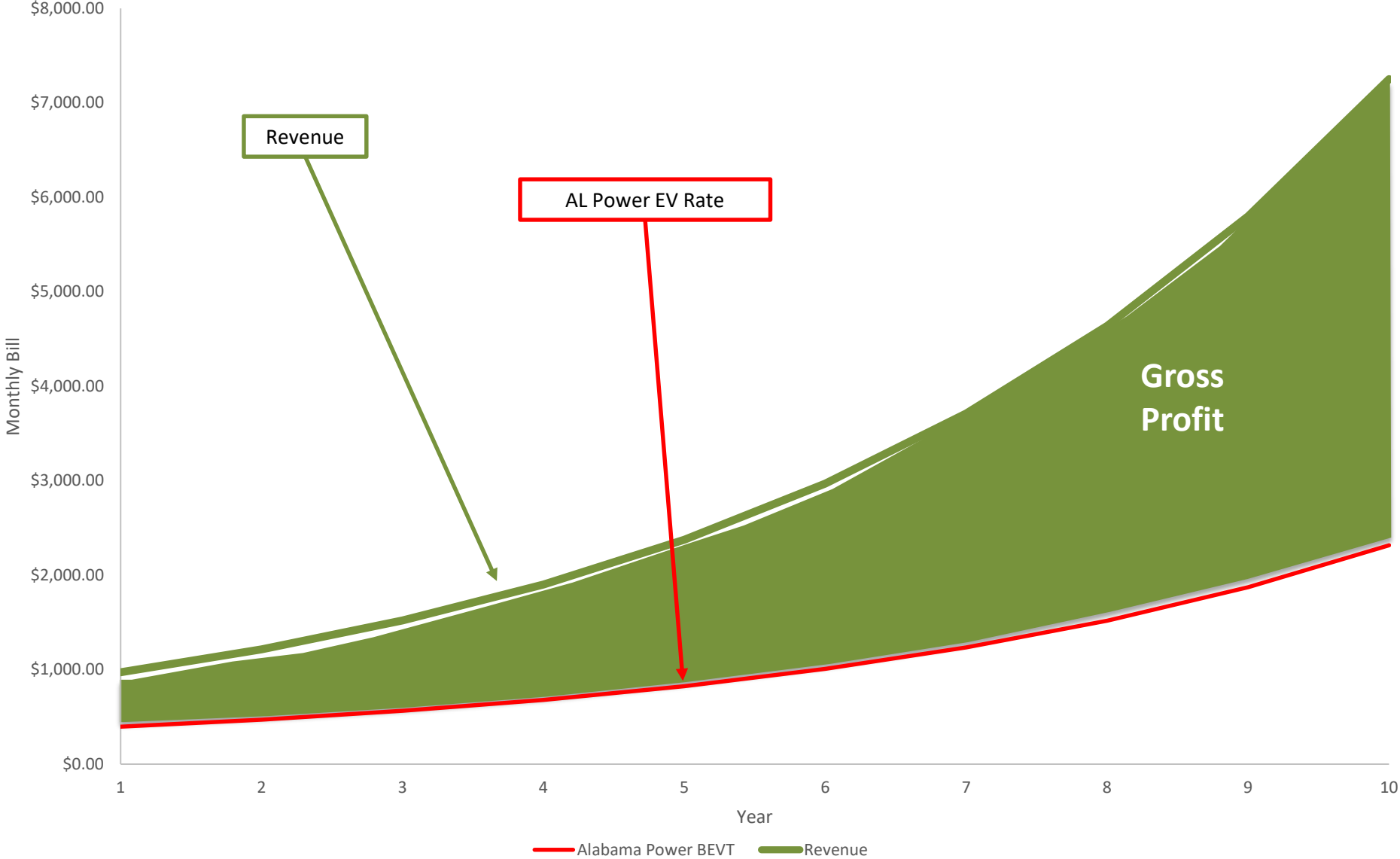
# Where is the Business Case?

Utility Bill vs Revenue Comparison (NEVI 600 kW) (GA Power)



# Where is the Business Case?

Utility Bill vs Revenue Comparison (NEVI 600 kW) (AL Power)



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- Leverage NEVI Funds: GDOT Plan
- Create a Competitive Market
- Create an Effective Charging Tariff
- No Rate Basing → Use Private Capital



**Thank You!**