

Solar is Georgia's Top Domestic Source of Energy Production



Fossil Fuel Economy

- ❑ Georgia has zero domestic petroleum, coal or natural gas requiring us to import almost all of our energy
- ❑ Electricity generation is made up of over 75% fossil fuels (coal and natural gas)
- ❑ Georgia imports 175 million barrels of petroleum annually
- ❑ Total annual imports of fossil fuels cost Georgians over \$30 billion



Georgia Fossil Fuel Emissions

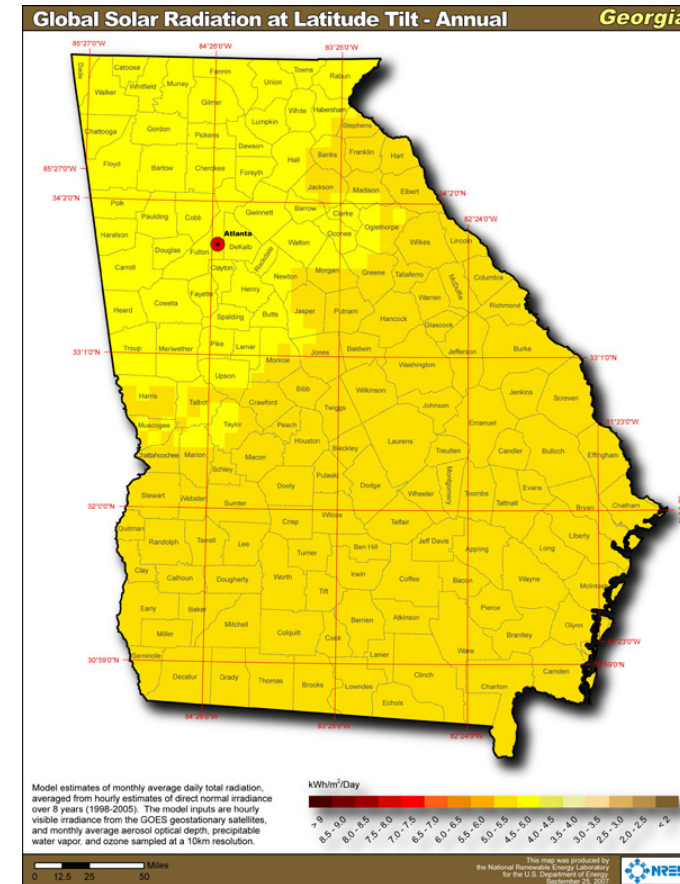
- ❑ Georgia ranks 11th among largest greenhouse gas emitting states
- ❑ In 2013, 137 million metric tons of CO₂e
- ❑ Electricity – 48%; Transportation – 36%
- ❑ Equivalent of 48 million pickup trucks
- ❑ Takes 112 million acres of US forest to offset = two Georgians



Utilizing Georgia's Solar Potential

Solar as Part of a Clean Energy Economy

- ❑ Georgia is ranked 10th among states with highest solar potential
- ❑ Cost of solar has decreased 70% in last 6 years.
- ❑ Utility-scale solar now selling at ~\$65/MWh (30% less than Plant Hammond)
- ❑ Solar deployment potential of 24,000 MW of utility-scale; 25,000 MW of rooftop
- ❑ Total deployment potential equal to 60% of total electricity generation



Solar and the Economy

- ❑ Over 300 solar companies
- ❑ Creating over 3,000 jobs (FTE)
- ❑ Grossing over \$500 million in revenue
- ❑ Nationally, solar added jobs at a rate of 20 times faster than overall economy
- ❑ Clean energy economy capable of producing 2.7 million jobs and reducing GHG emissions by 40%



Clean Technology Economy

- ❑ Solar energy
- ❑ Energy efficiency
- ❑ Battery Storage
- ❑ Electric Vehicles
- ❑ Smart home
- ❑ Smart grid



