

**Georgia Electricity Statistics - EIA - 2008**

Georgia Peak Generating Capacity	36,456 MW
Total Electricity (Energy) Sales (2008)	135,174 GWhs
Total Possible Energy Sales (2008)	319,355 GWhs
System Load Factor: 135,174 / 319,355	= 42.3%
Average Electric Rate (2008)	\$0.0884/kWh

**Georgia Electricity Statistics - EIA - 2011**

Georgia Peak Generating Capacity	39,665 MW
Total Electricity (Energy) Sales (2011)	137,845 GWhs
Total Possible Energy Sales (2011)	347,465 GWhs
System Load Factor: 137,845 / 347,465	= 39.7%
Average Electric Rate (2011)	\$0.0965/kWh

### Solar PV Improves Load Factor Puts Downward Pressure on Rates

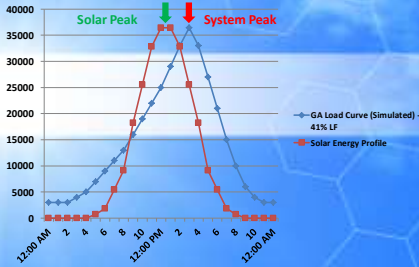


In Georgia, a 100% Load Factor could reduce additional capacity costs significantly, which could impact as much as 50% of the Electric Bill.

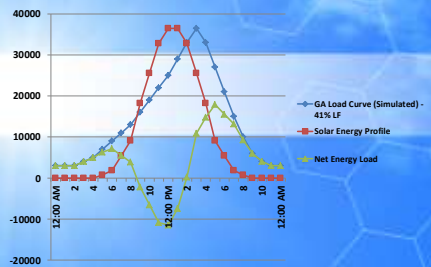
### Comparison of Eight Southeastern States with Similar Generation Mixes

State	Peak Capacity	Energy Sales	System Load Factor	Avg Rate (\$/kWh)
Florida 08	55,460	226,173	46.6%	\$0.1074
Florida 11	69,780	226,806	38.2%	\$0.1077
<b>Georgia 08</b>	<b>36,456</b>	<b>135,174</b>	<b>42.3%</b>	<b>\$0.0884</b>
<b>Georgia 11</b>	<b>39,665</b>	<b>137,845</b>	<b>39.7%</b>	<b>\$0.0965</b>
Alabama 08	31,222	89,707	32.8%	\$0.0859
Alabama 11	35,288	88,589	28.7%	\$0.0921
Tennessee 08	20,891	104,170	56.9%	\$0.0818
Tennessee 11	23,847	99,577	47.7%	\$0.0914
Virginia 08	23,476	110,106	53.5%	\$0.0800
Virginia 11	25,912	111,580	49.2%	\$0.0887
Mississippi 08	15,942	47,721	34.2%	\$0.0899
Mississippi 11	17,606	49,790	32.3%	\$0.0878
N. Carolina 08	27,694	130,054	53.6%	\$0.0796
N. Carolina 11	30,197	131,879	49.9%	\$0.0870
Louisiana 09	26,183	78,721	34.3%	\$0.0706
Louisiana 11	31,169	87,105	31.9%	\$0.0774

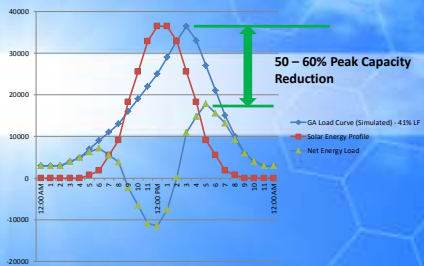
### Solar PV Improves Load Factor Puts Downward Pressure on Rates



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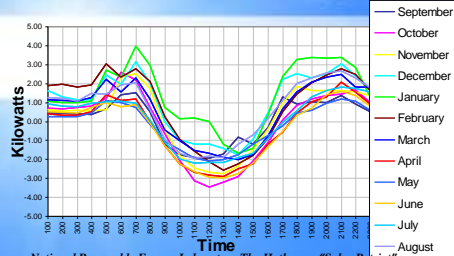


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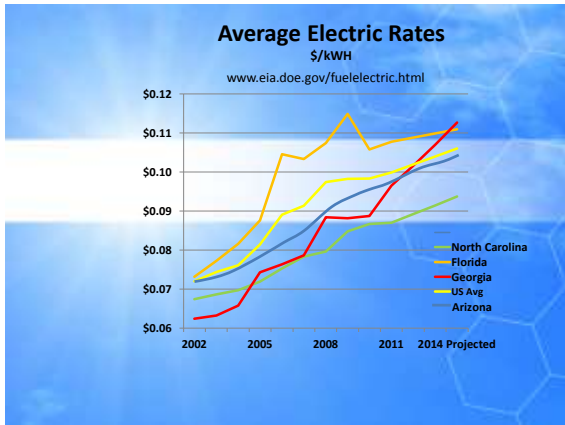
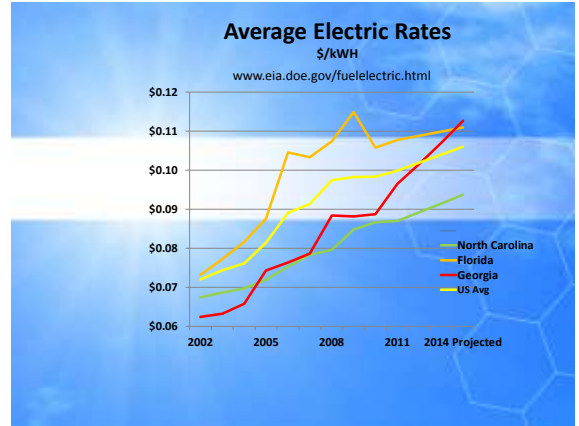
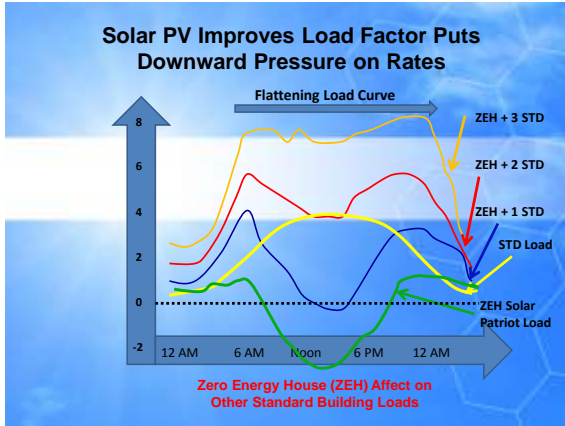


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#### Net Power Bought Average Hourly Profile - Solar Patriot



National Renewable Energy Laboratory The Hathaway "Solar Patriot" House: A Case study in Efficiency and Renewable Energy, May, 2005  
<http://www.nrel.gov/docs/fy05osti/37731.pdf>



### Recommendations for Utility Regulation

**Deregulate the Electric Utility Industry;**

**Failing that - require utilities to function as if they were in a competitive environment;**

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### Recommendations for Utility Regulation

- < 30%: Disallow rate recovery for capacity additions
- 30% - 40%: Allow rate recovery for capacity additions but no Return on Equity;
- 40% - 55%: Allow rate recovery and standard Return on Equity for all capacity additions;
- > 55%: Allow rate recovery and bonus Return on Equity for all capacity additions;

Allow rate recovery and bonus Return on Equity for all costs associated with technologies improving system load factor.

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