



INVESTING IN GEORGIA'S
ENERGY, LAND & WATER RESOURCES



Georgia Energy Landscape

Kristofor Anderson

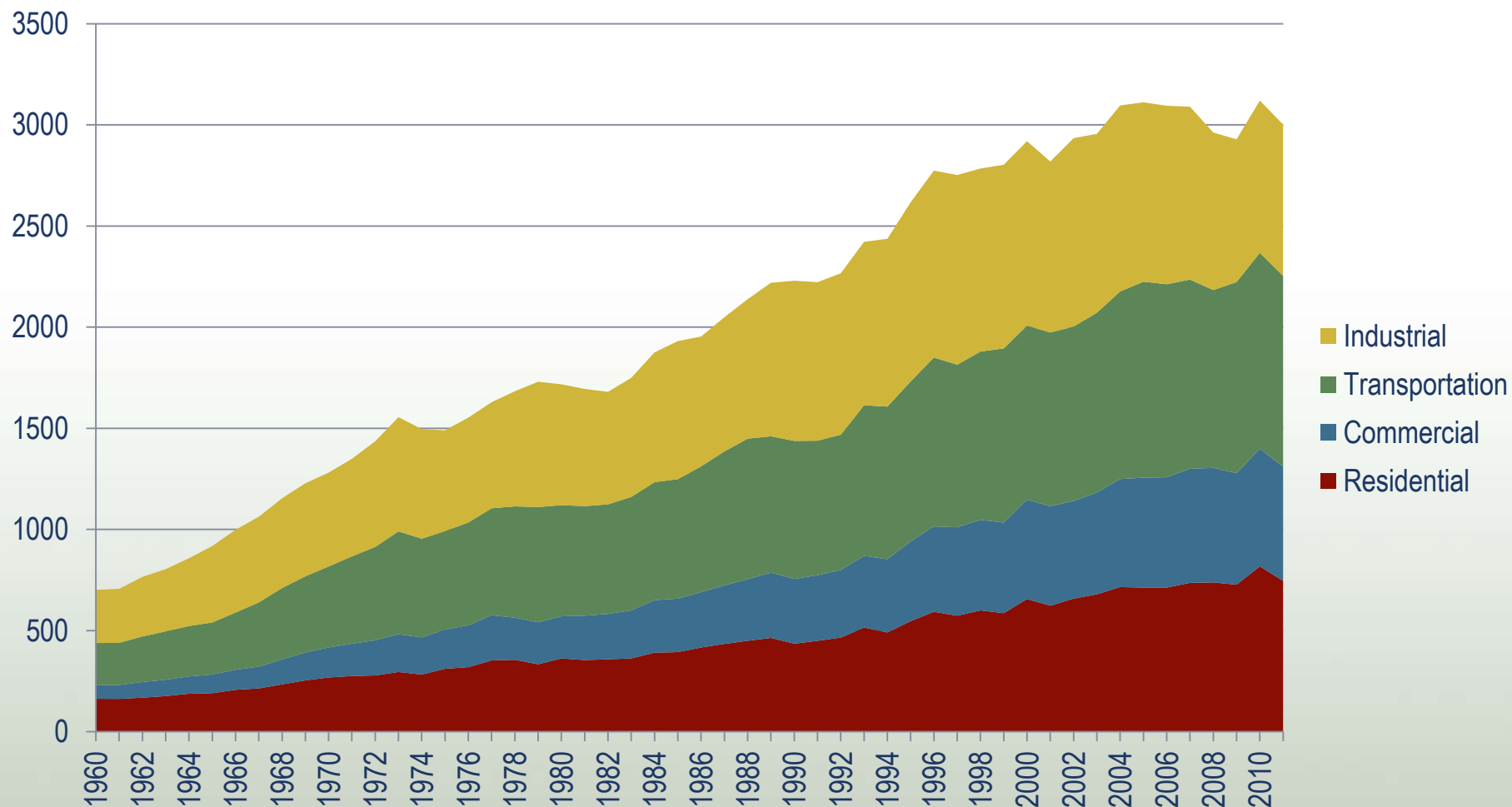
August 7, 2014

Overview

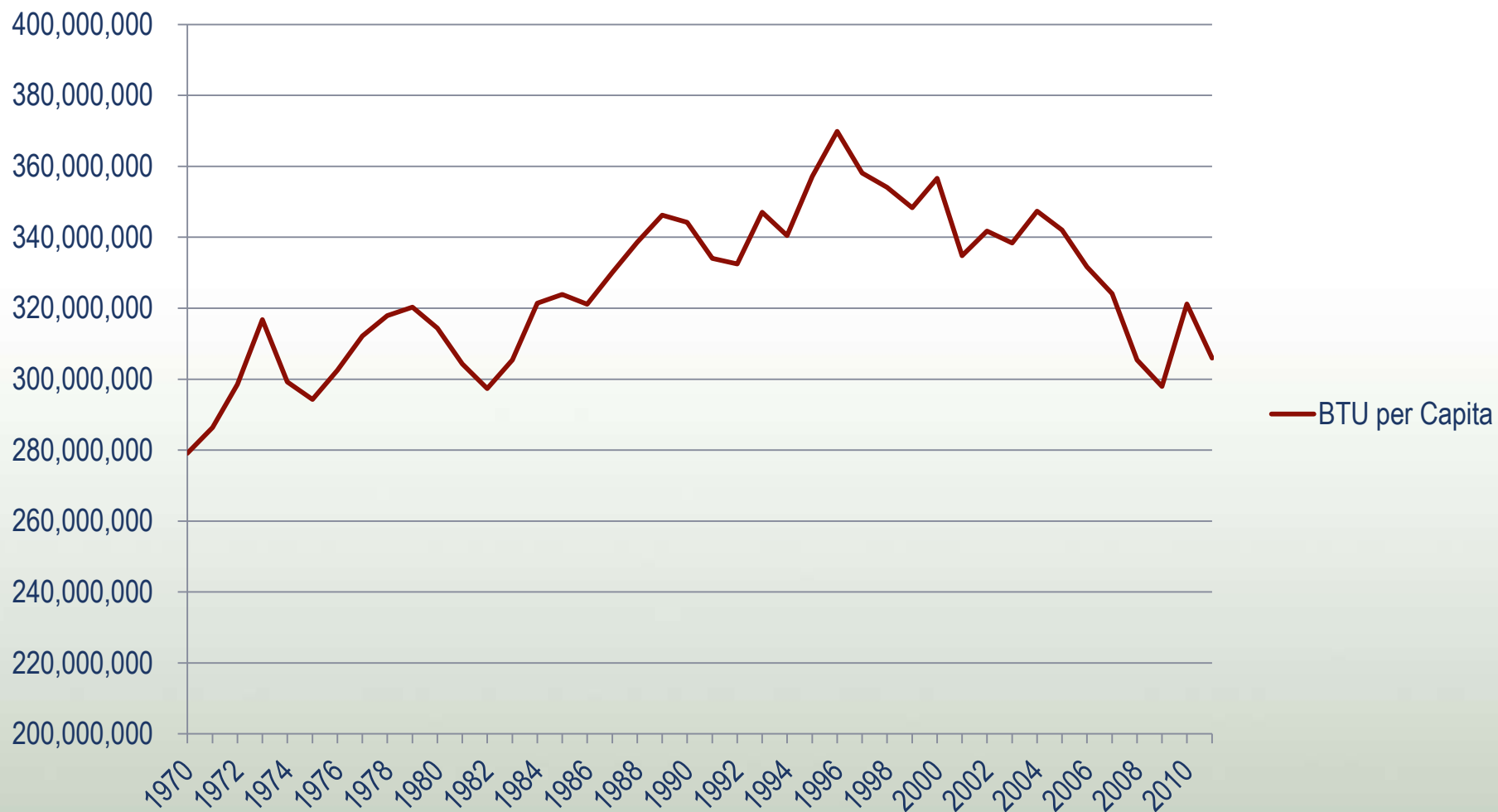
- **Energy Consumption in Georgia**
- **Electric Generation and Capacity in Georgia**
- **Emissions**
- **Utilities in Georgia**
- **Key Observations**

* All data in this presentation is from the U.S. Energy Information Administration (EIA), which is part of the U.S. Department of Energy. www.eia.gov

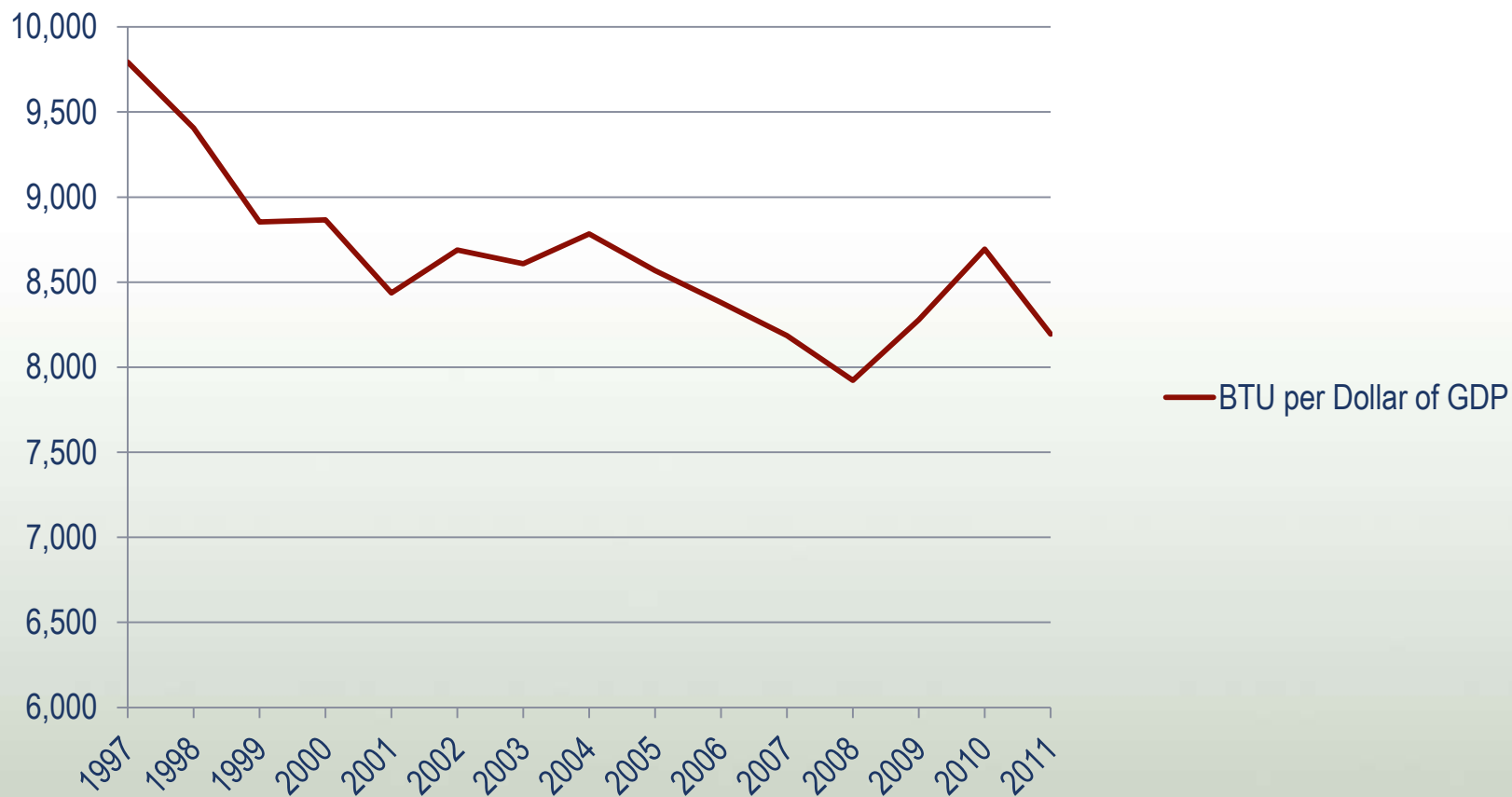
Total Energy Consumption by Sector, Trillion BTU



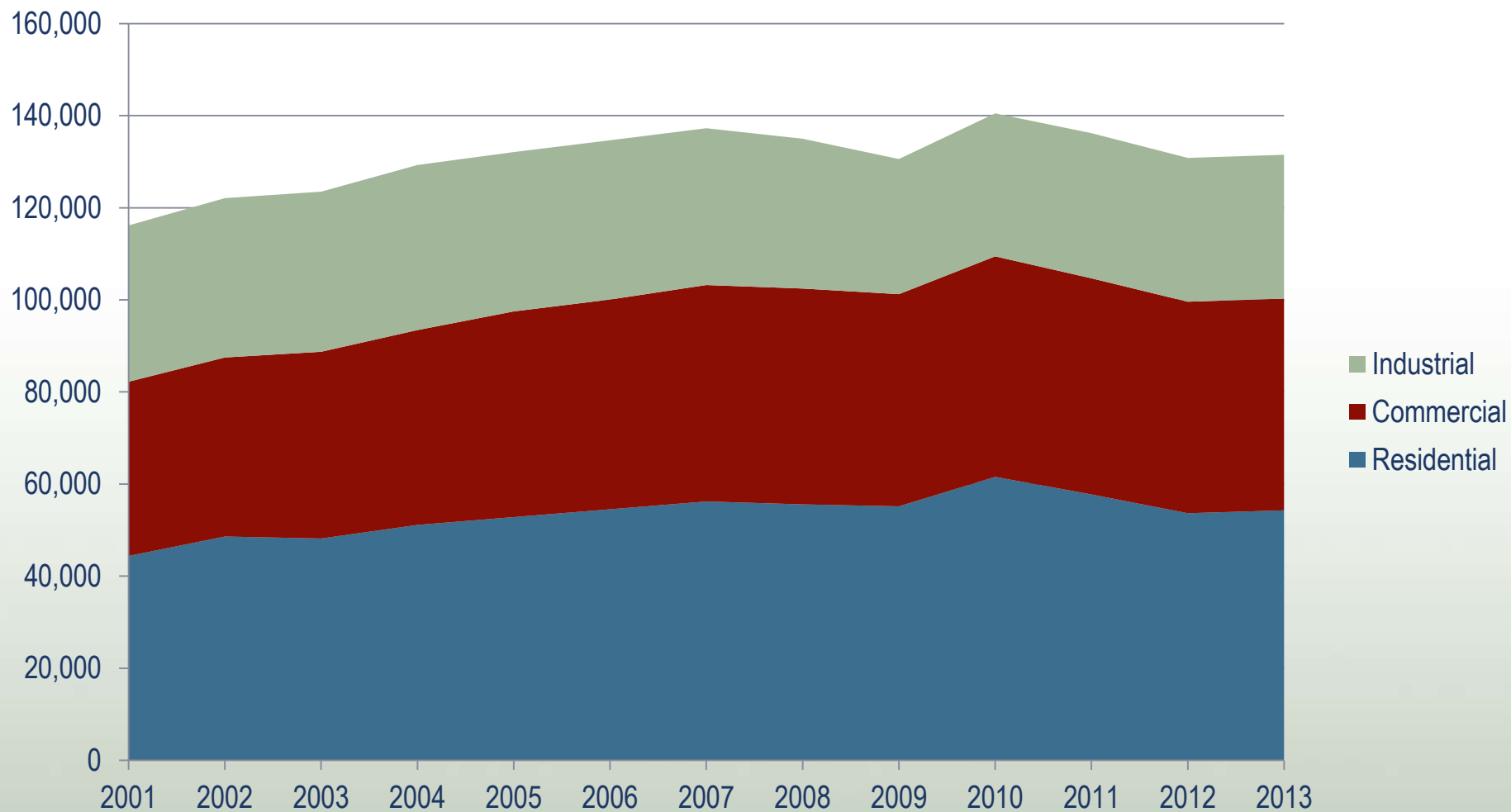
BTU per Capita



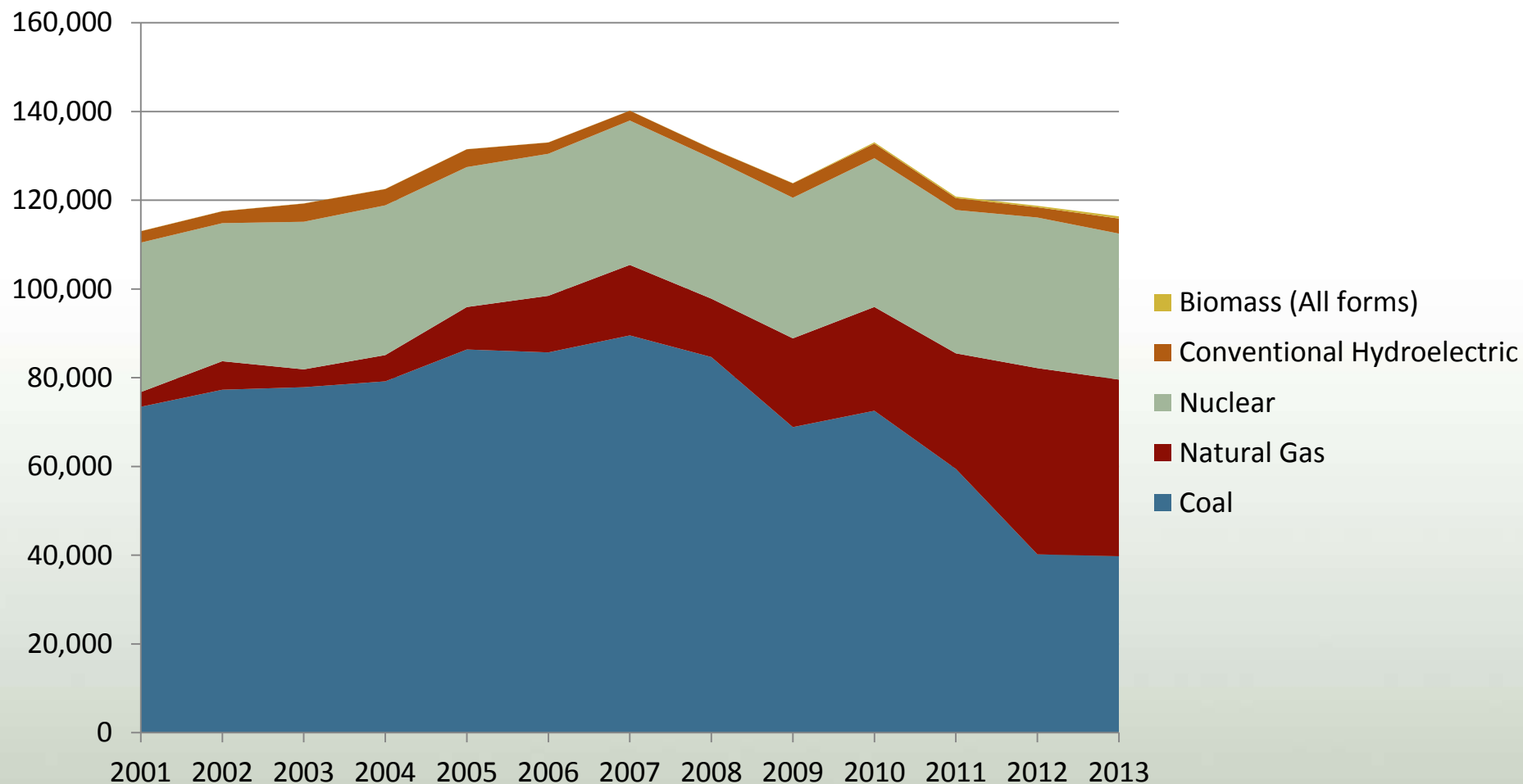
BTU per Dollar of GDP



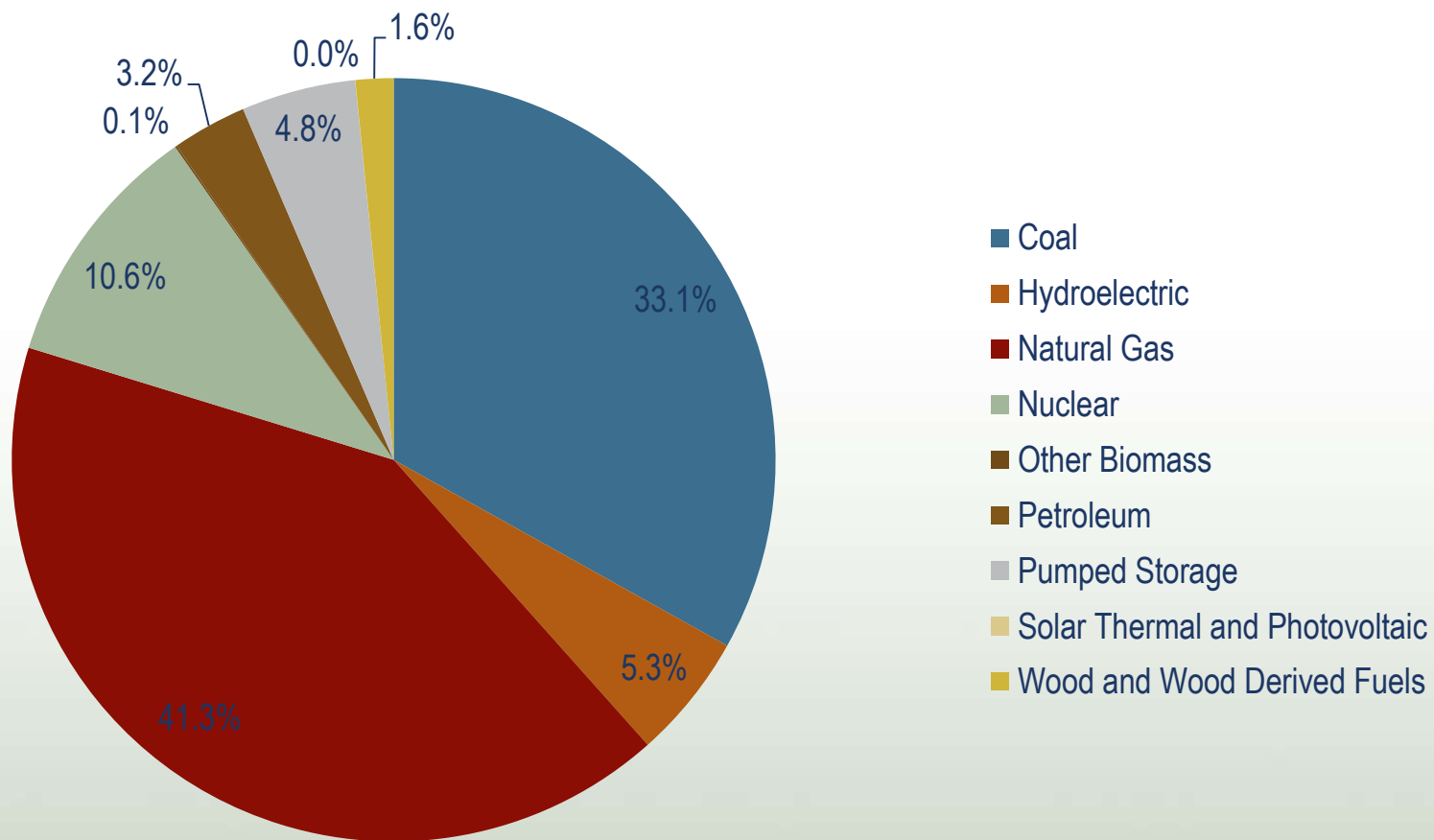
Retail Sales of Electricity in Georgia, million kWh



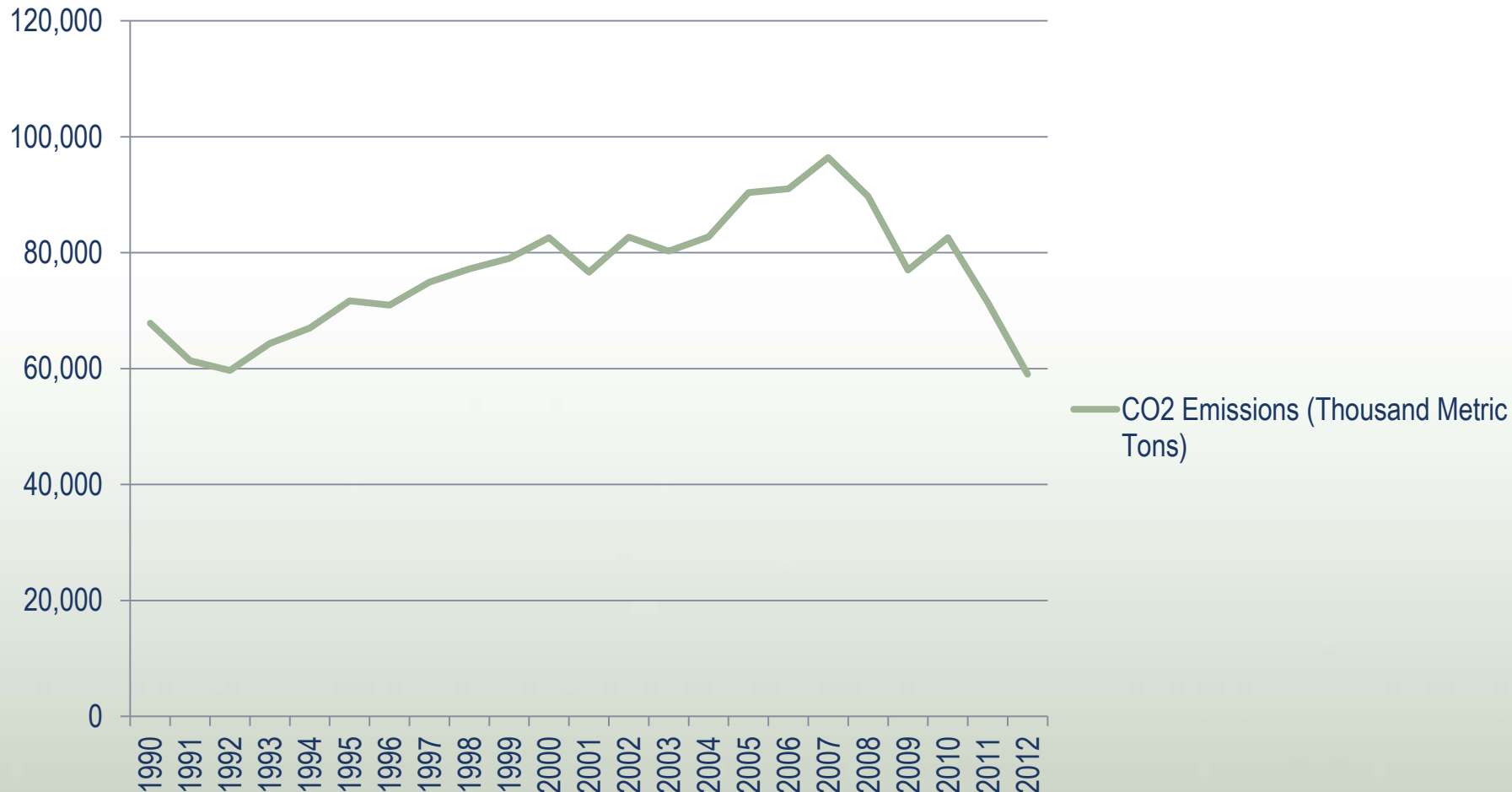
Electric Generation by Fuel Type, Thousand MWh



Electric Capacity by Fuel, 2012



Electric Generation CO2 Emissions (Thousand Metric Tons)



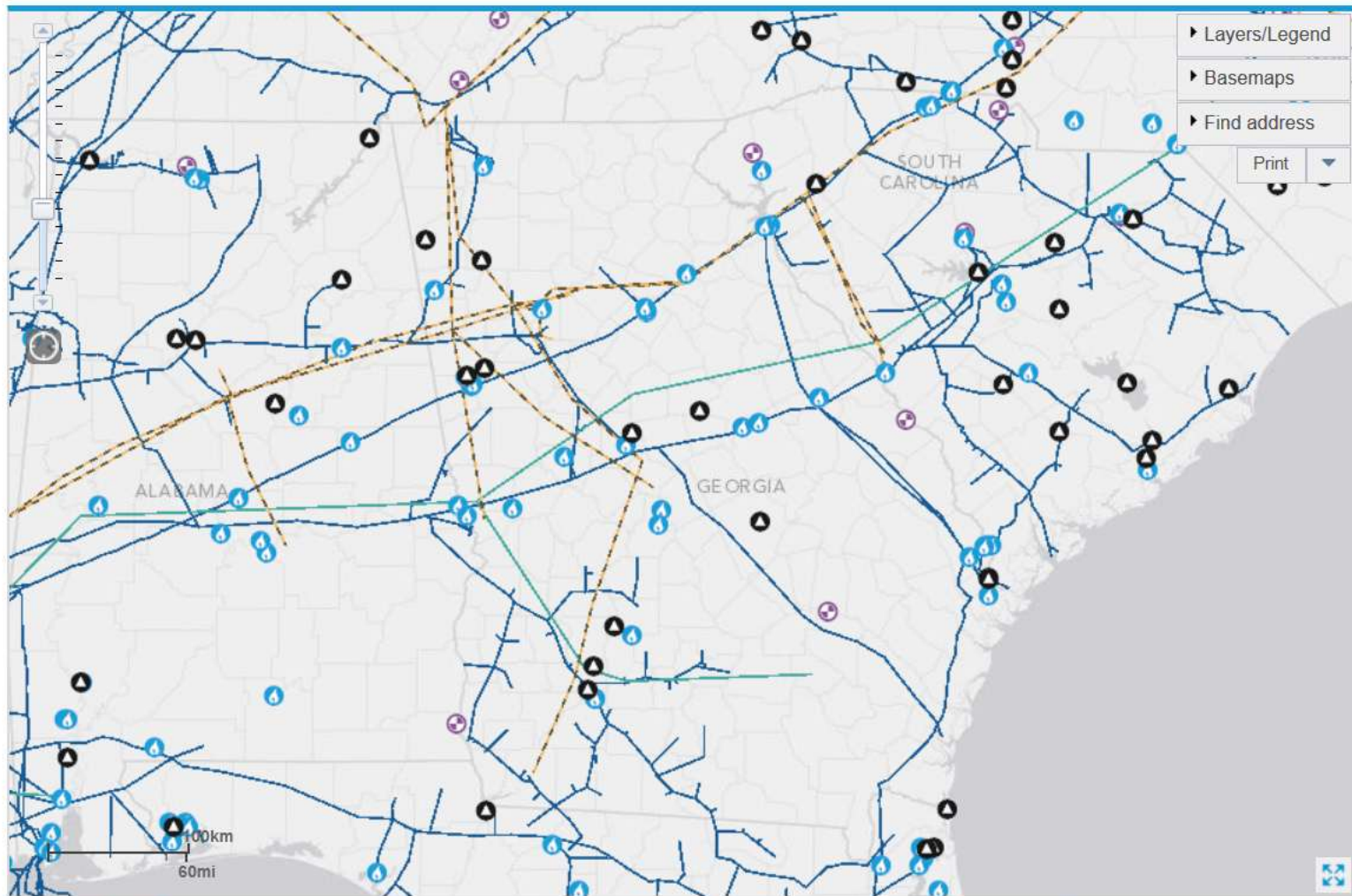
Utilities in Georgia

	Investor Owned	Public	Cooperative	Total
Number of Utilities	1	53	42	96
Number of Retail Customers	2,370,982	337,952	1,927,490	4,636,424
Retail Sales (MWh)	81,742,411	11,601,562	37,634,899	130,978,872
Percentage of Retail Sales	62.4	8.9	28.7	100

Ten Largest Plants by Capacity, 2012

	Plant	Primary Energy Source	Net Summer Capacity (MW)
1	Scherer	Coal	3,407
2	Bowen	Coal	3,234
3	Jack McDonough	Natural Gas	2,578
4	Vogtle	Nuclear	2,302
5	Wansley	Coal	1,793
6	Edwin I Hatch	Nuclear	1,759
7	Harlee Branch	Coal	1,607
8	Yates	Coal	1,286
9	McIntosh Combined Cycle Facility	Natural Gas	1,257
10	Thomas A Smith Energy Facility	Natural Gas	1,250

U.S. Energy Mapping System



Key Observations

- Electricity consumption growing, albeit slowly
 - However, using energy more efficiently
- Significant growth in natural gas use for electric generation
 - Lower carbon intensity
 - Historical price fluctuations
 - Pipeline dependency
- Growth in zero – carbon sources, including nuclear, solar, and wind



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