



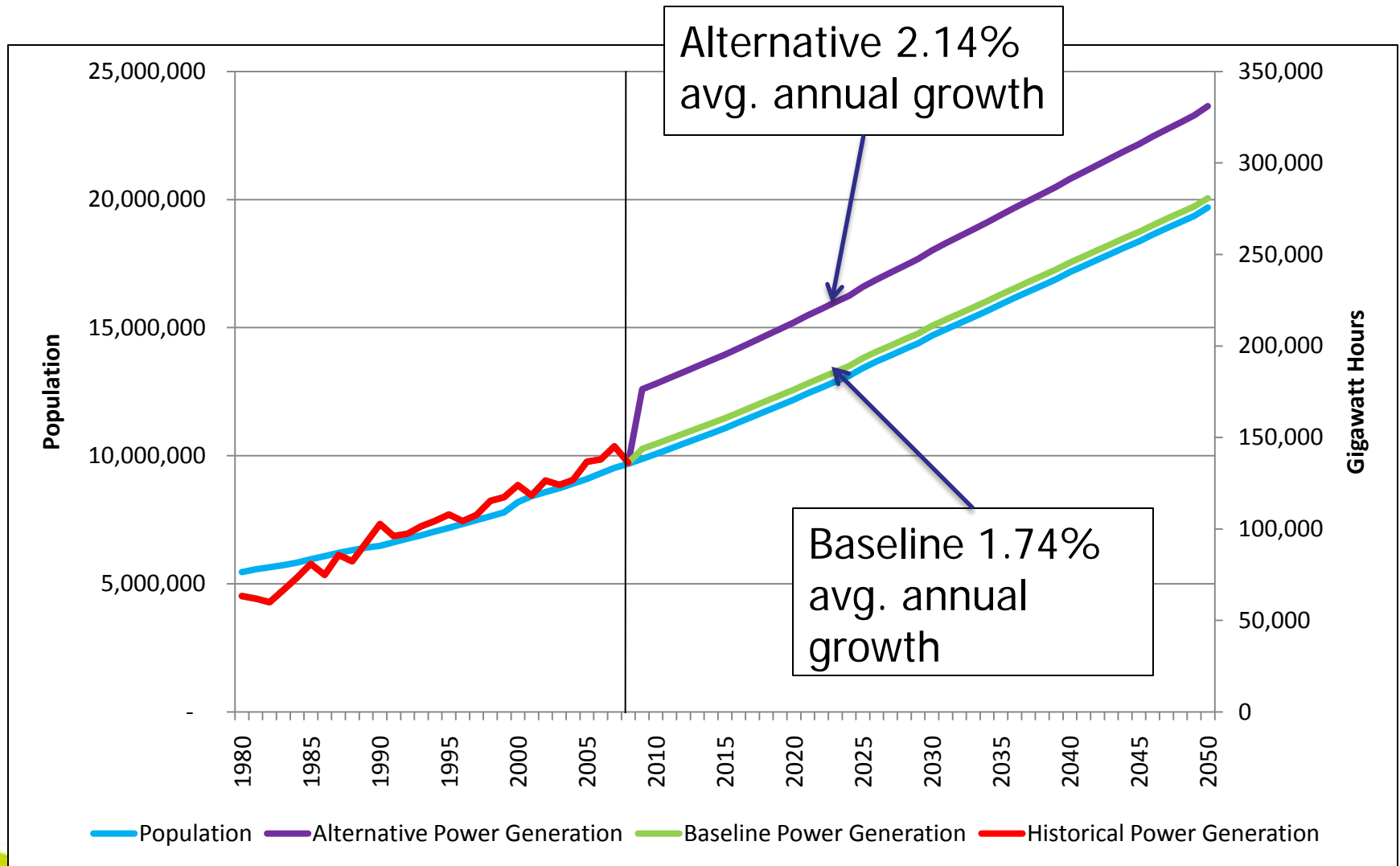
Georgia's State Water Plan



Energy Demand Allocation

Council Meeting 9
February 7, 2009

www.georgiawaterplanning.org



Statewide Energy Demand

STATEWIDE ENERGY DEMAND

	<u>2010</u>	<u>2050</u>
OPB Population	10,069,700	19,686,375
Statewide Energy Demand Forecast (GWh)	179,000	330,000
Calculated Population Based Energy Demand (GWh/capita)	0.02	0.02

Note:

1. Values for energy demand are representative of the "Alternative" growth scenario.
2. Under the "Alternative" growth scenario statewide energy demand will exceed capacity in the 2030 timeframe.
3. Approximately 189 MGD of additional consumptive water demand (statewide) will be needed as estimated in the "Alternative" growth scenario.



Regional Energy Demand

UPPER FLINT REGIONAL ENERGY DEMAND

	<u>2010</u>	<u>2050</u>
OPB Population_UFL	245,827	401,059
Calculated Population Based Energy Demand_UFL (GWh)	4370	6,723
Installed Generating Capacity in the Upper Flint Region (GWh)	114	114

Note:

1. Installed generating capacity for the Upper Flint Region includes Lake Blackshear Dam operated by the Crisp County Power Commission. Estimate represents an over-inflated value of actual achievable annual energy production (= 13 MW x 365 x 24 / 1,000 = 114 GWh)