



Duke Energy Carolinas



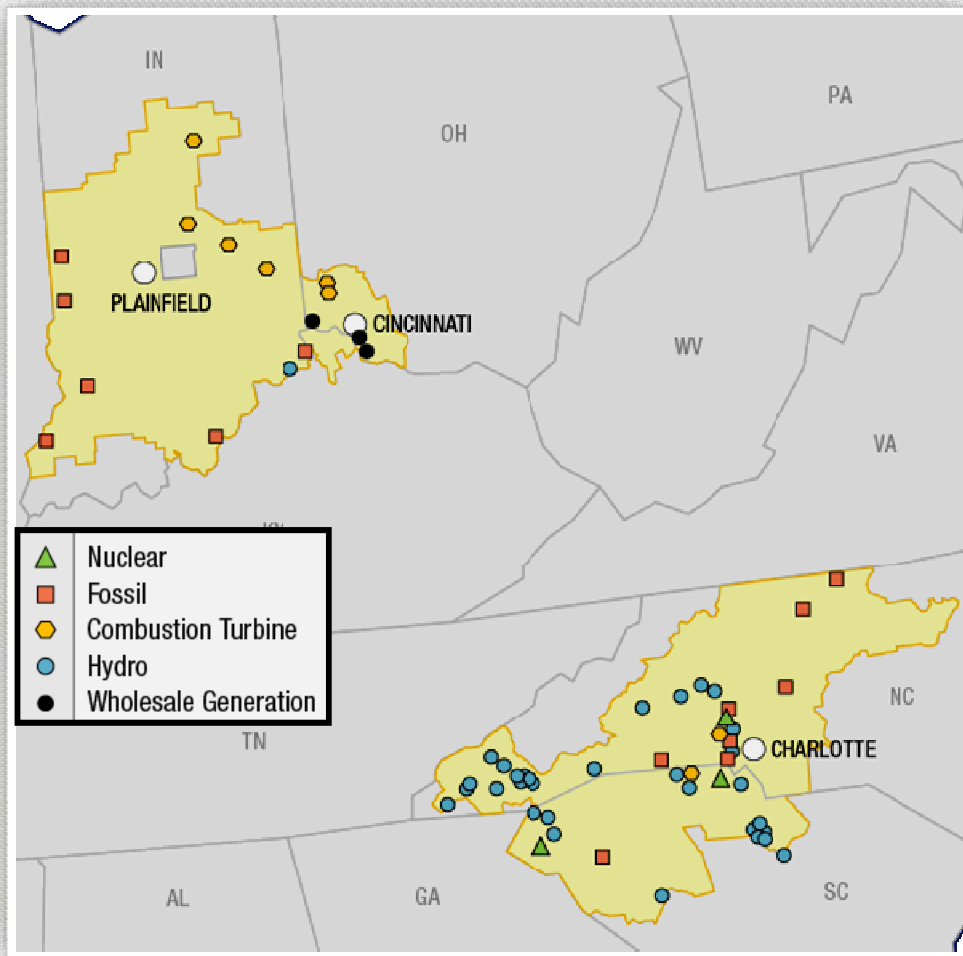
Facts about Duke Energy

- Fortune 500
- Assets over \$48 billion
- 4 million customers
- Top-tier electric utility
- 150+ years of service
- Dow Jones Sustainability Index
- Traded on NYSE as DUK
- Stock dividends for 80+ years





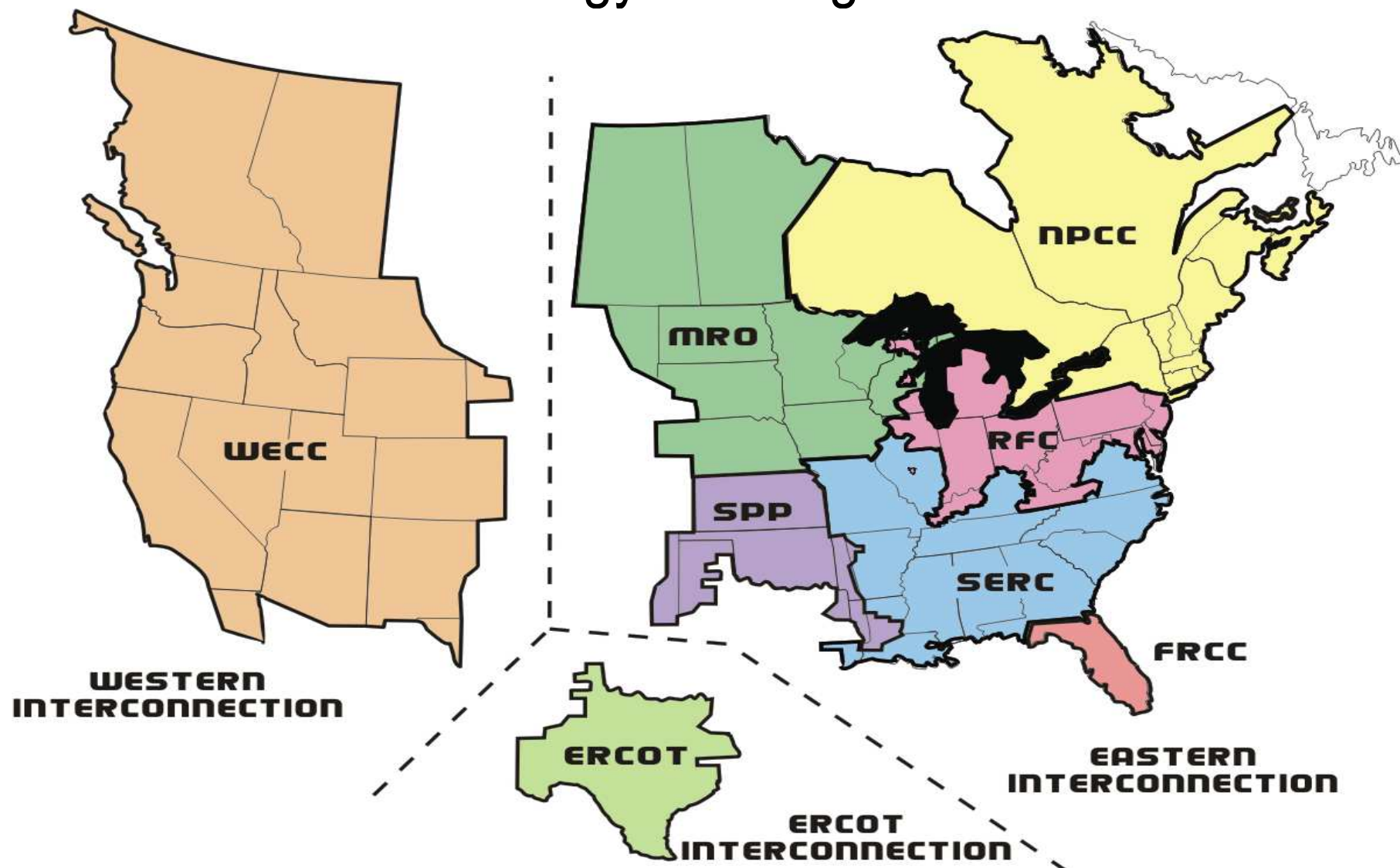
U.S. Franchised Electric and Gas



- 5 states: North Carolina, South Carolina, Indiana, Ohio and Kentucky
- 47,000 square miles of service area
- 28,000 MW of regulated generating capacity

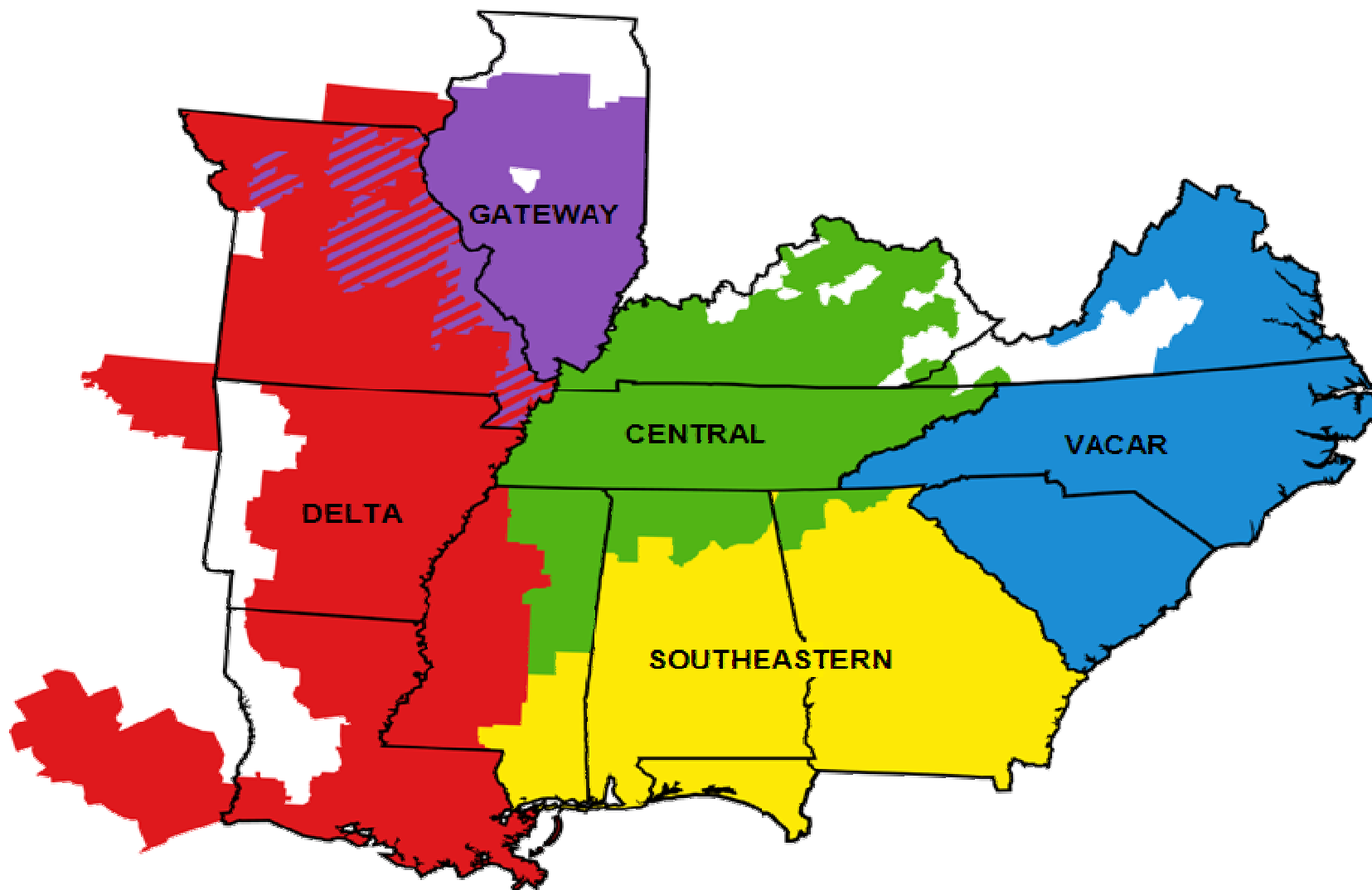


Overview of Duke Energy and Regional Area



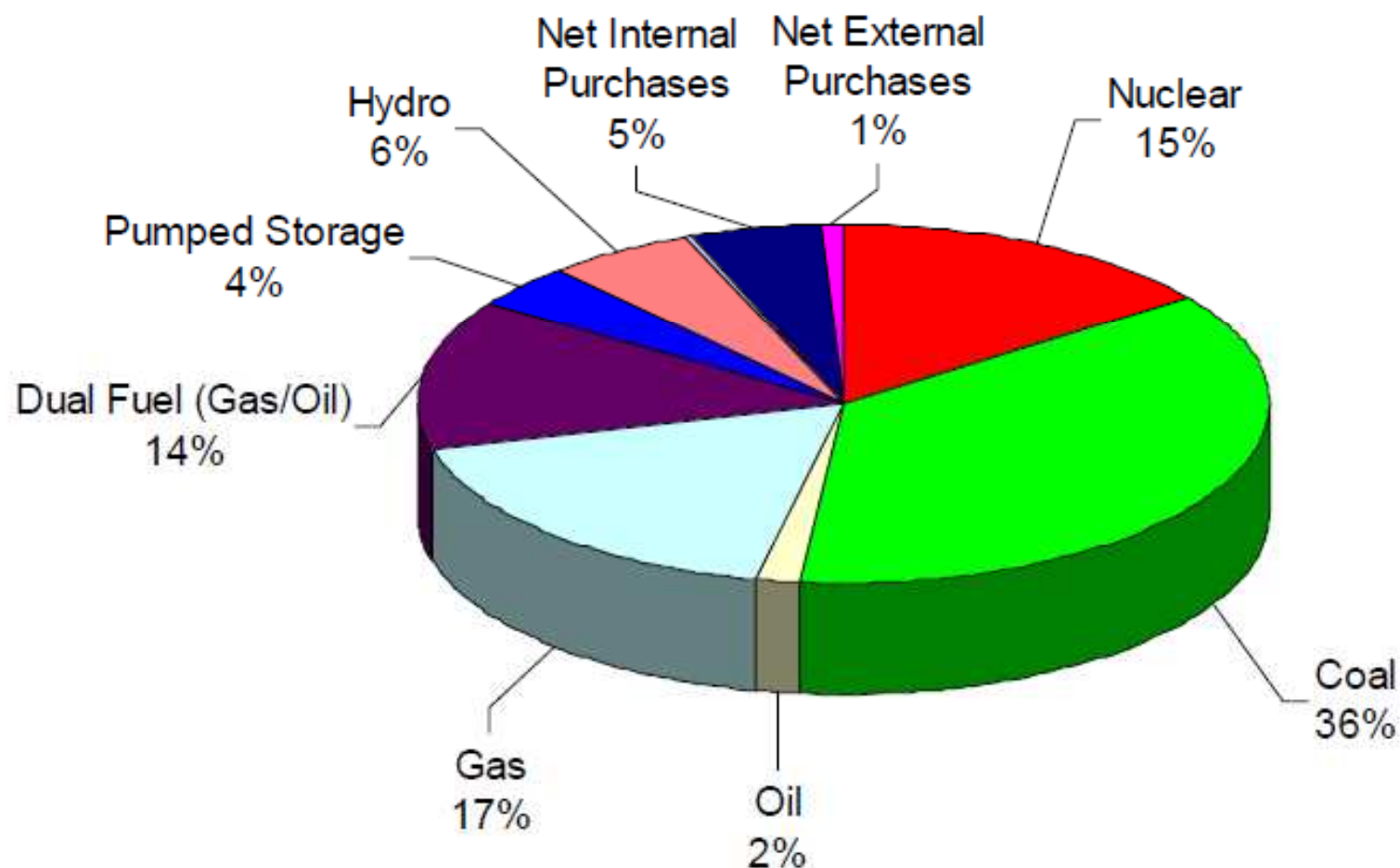


SERC Region





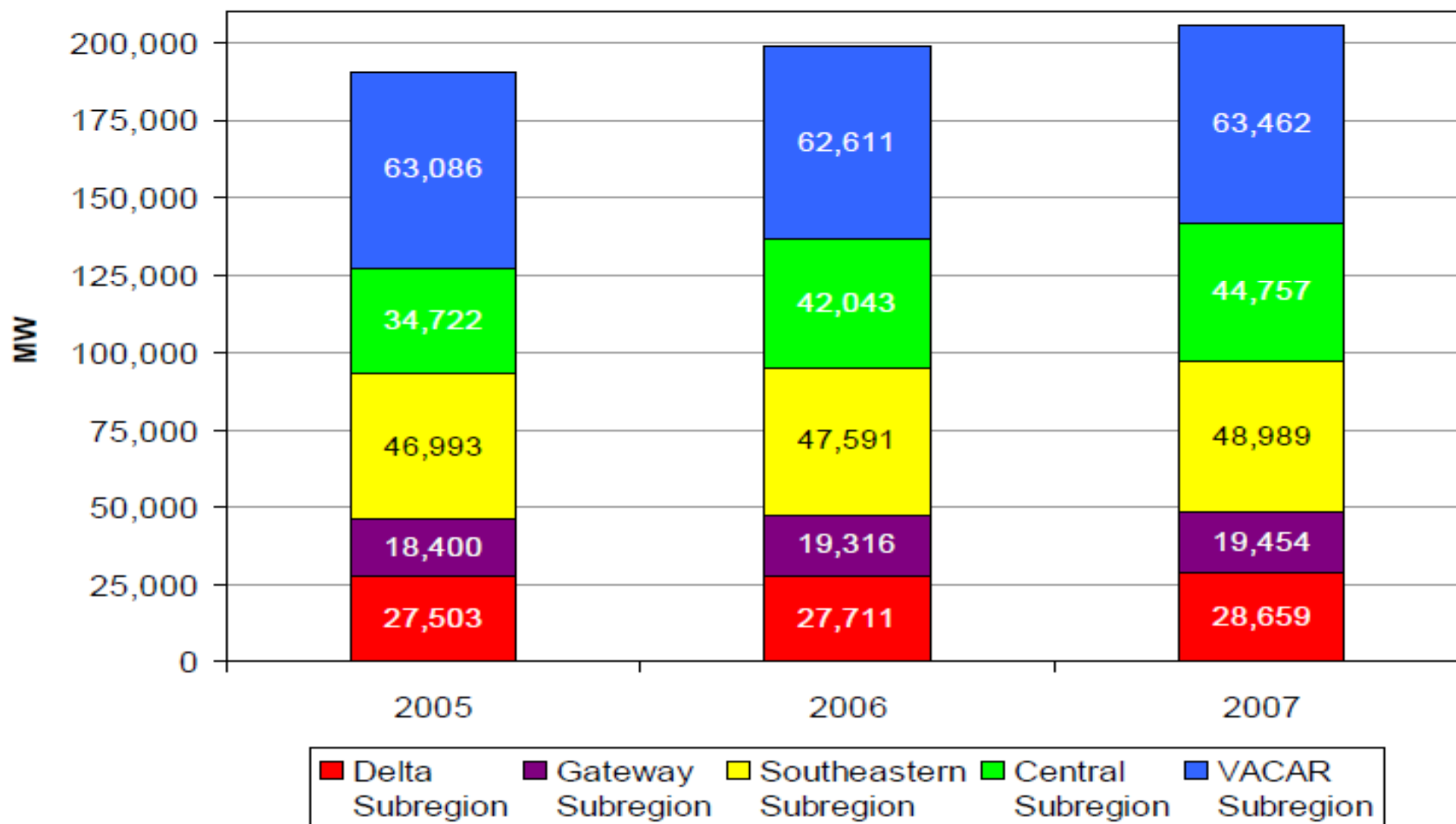
SERC Capacity Breakdown - 2008





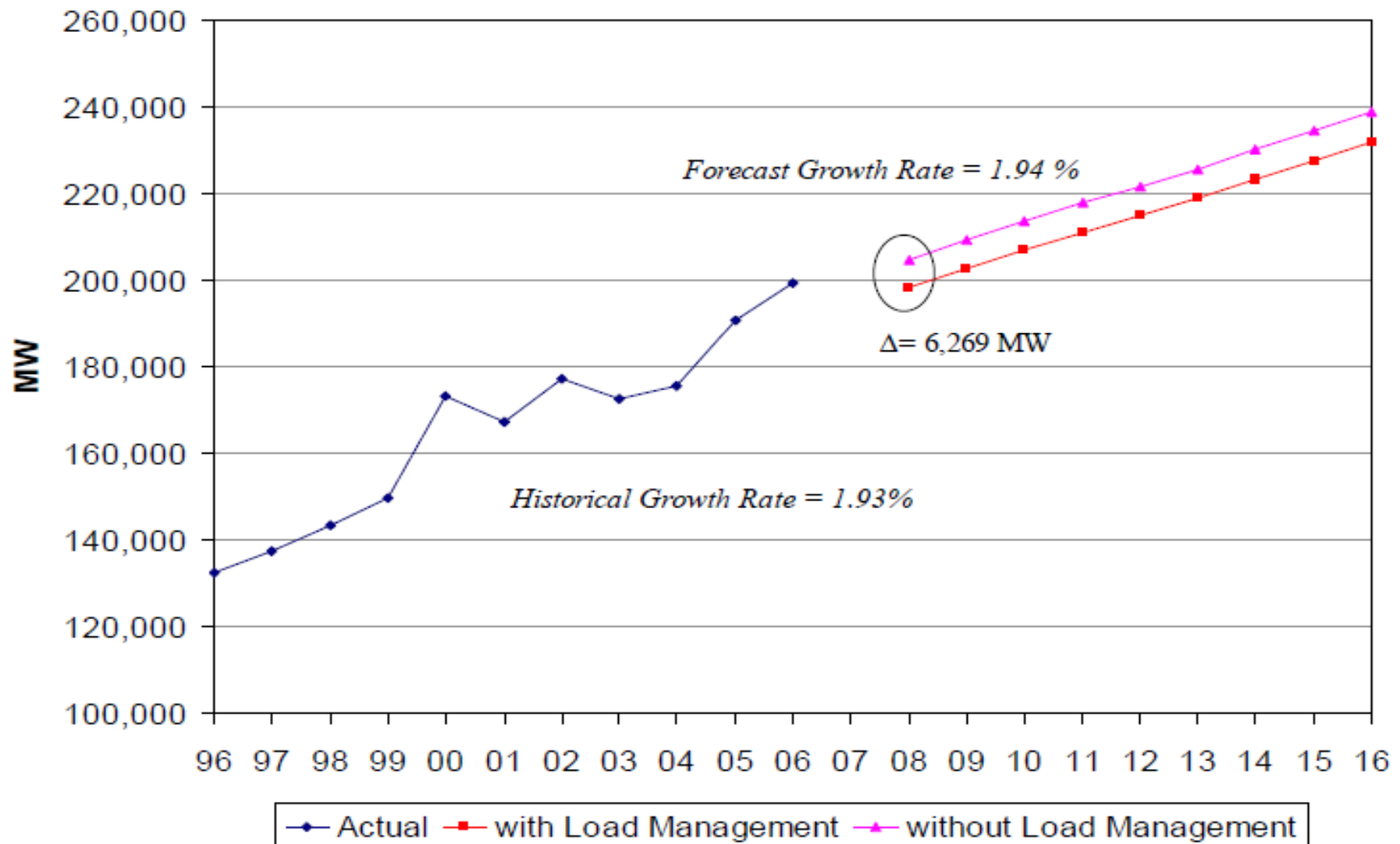
Actual Peak Demand

— Summer —



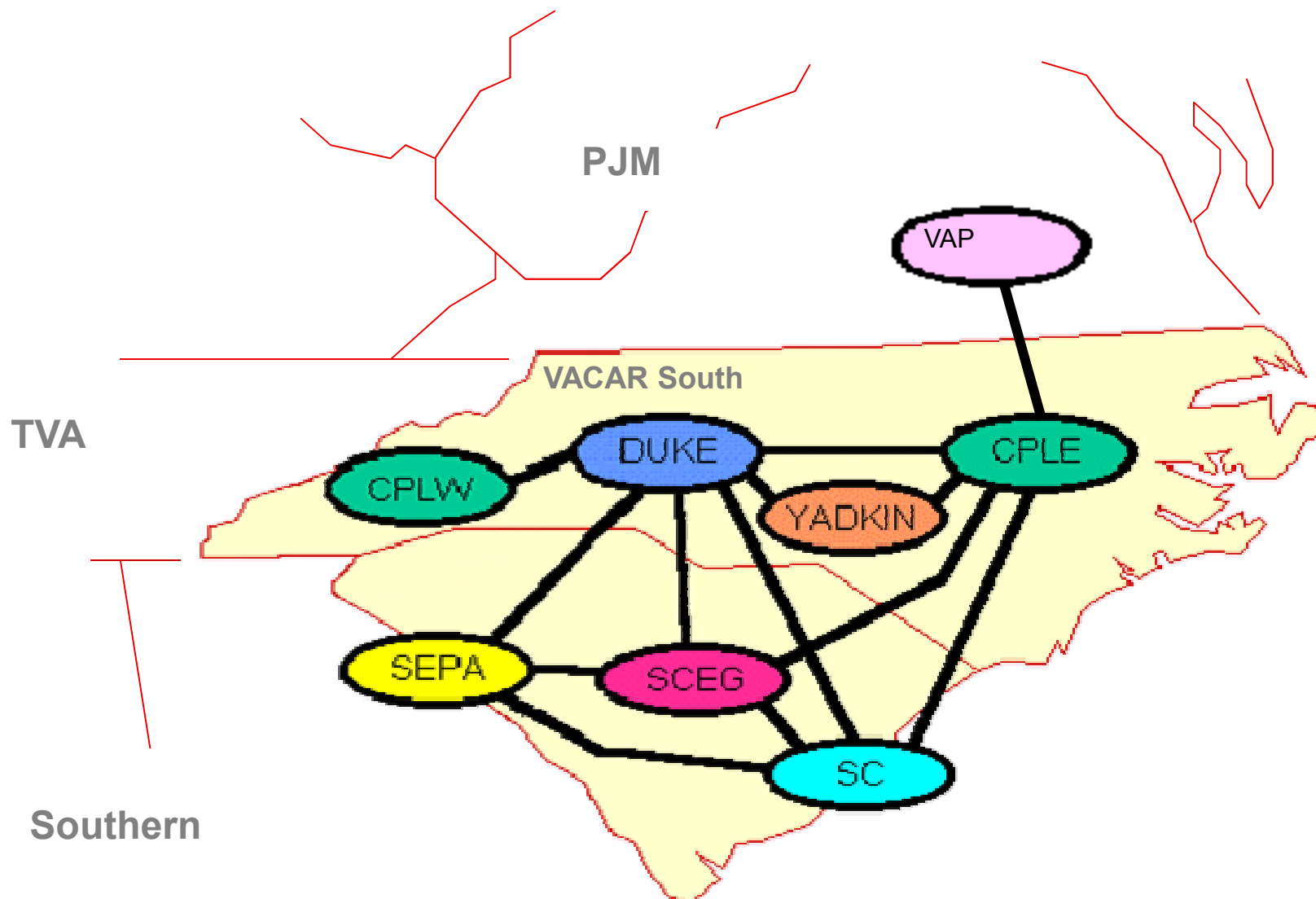


Actual/Projected Peak Demand



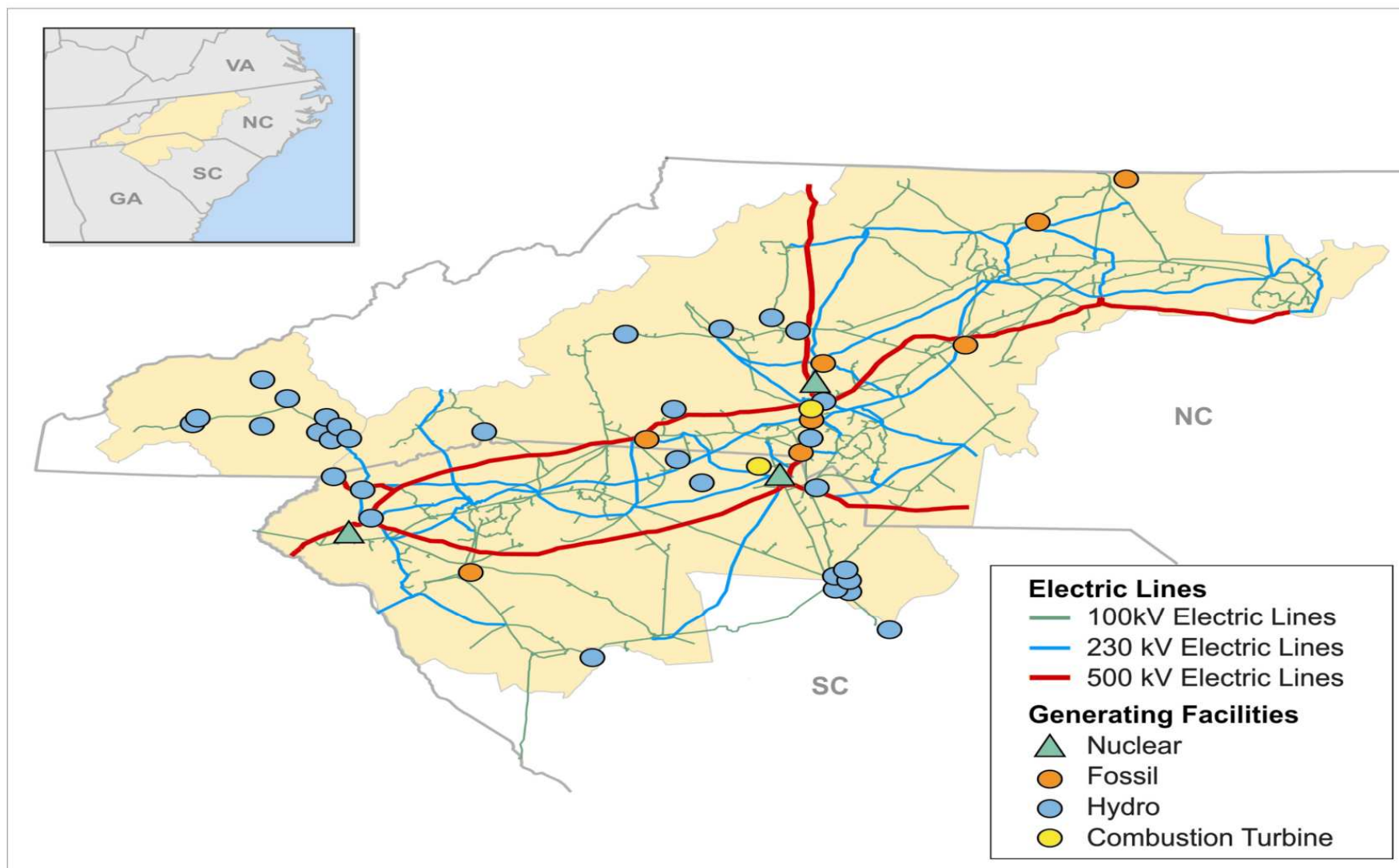


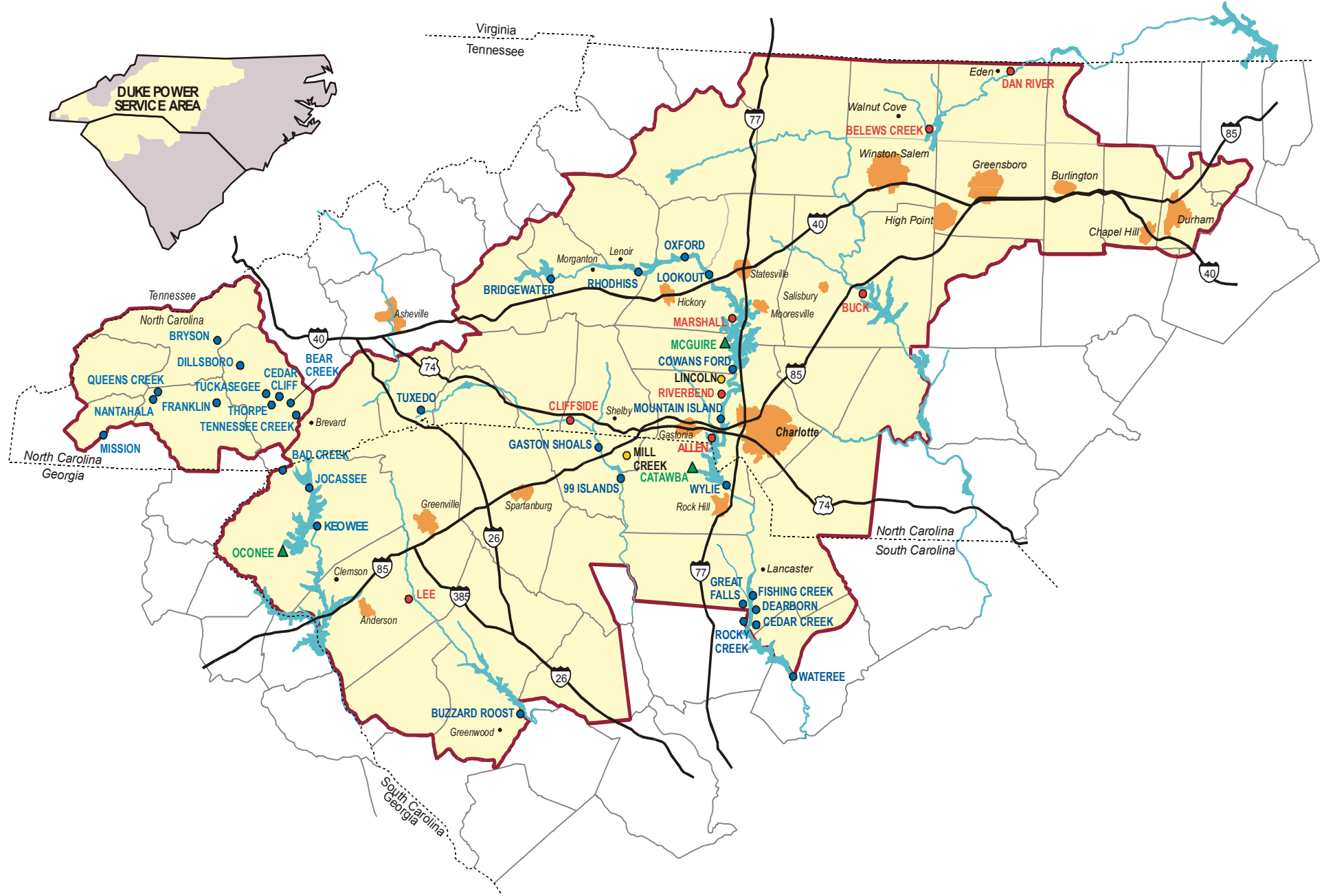
Duke Energy is part of VACAR Subregion





Duke Energy Carolinas System Overview







Generation – Fast Facts

- Duke Energy Carolinas Capacity
 - Nuclear – 6,996 MW
 - 7 units at 3 plants
 - Fossil – 7722 MW
 - 30 units at 8 plants
 - Hydro – 3218 MW
 - 95 units at 30 plants
 - Combustion Turbine – 3266 MW
 - 51 units at 8 plants
- Non-Duke Capacity
 - Independent Power Producers (IPPs) – 1820 MW
 - 11 units at 2 plants
 - Southeast Power Administration (SEPA) – 51 MW
 - Non-Utility Generators (NUGs) – 110 MW



Transmission - Fast Facts

■ Estimated Transmission System

- Approximately 13,000 miles of transmission lines (including Nantahala) operate on four major voltage levels – 500kV, 230kV, 100kV and 44kV

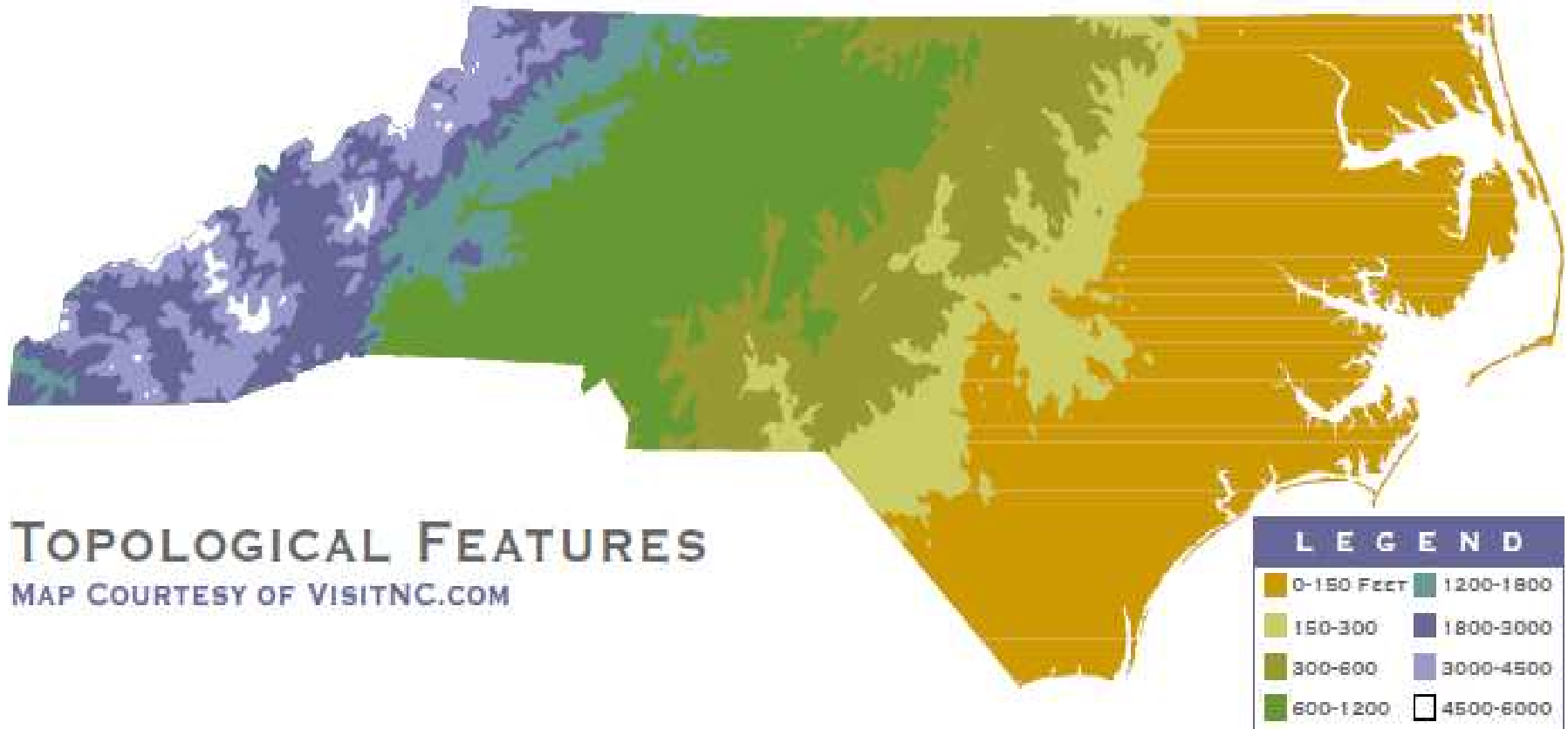
Voltage	Miles
500 kV	580
230 kV	2,660
161 kV (Nantahala Area)	150
100 kV	6,550
66 kV	110
44 kV & below	3,000

Equipment	Number
Transmission Sites	200
Circuit Breakers	3,258
Transformers	832
Interconnections	24



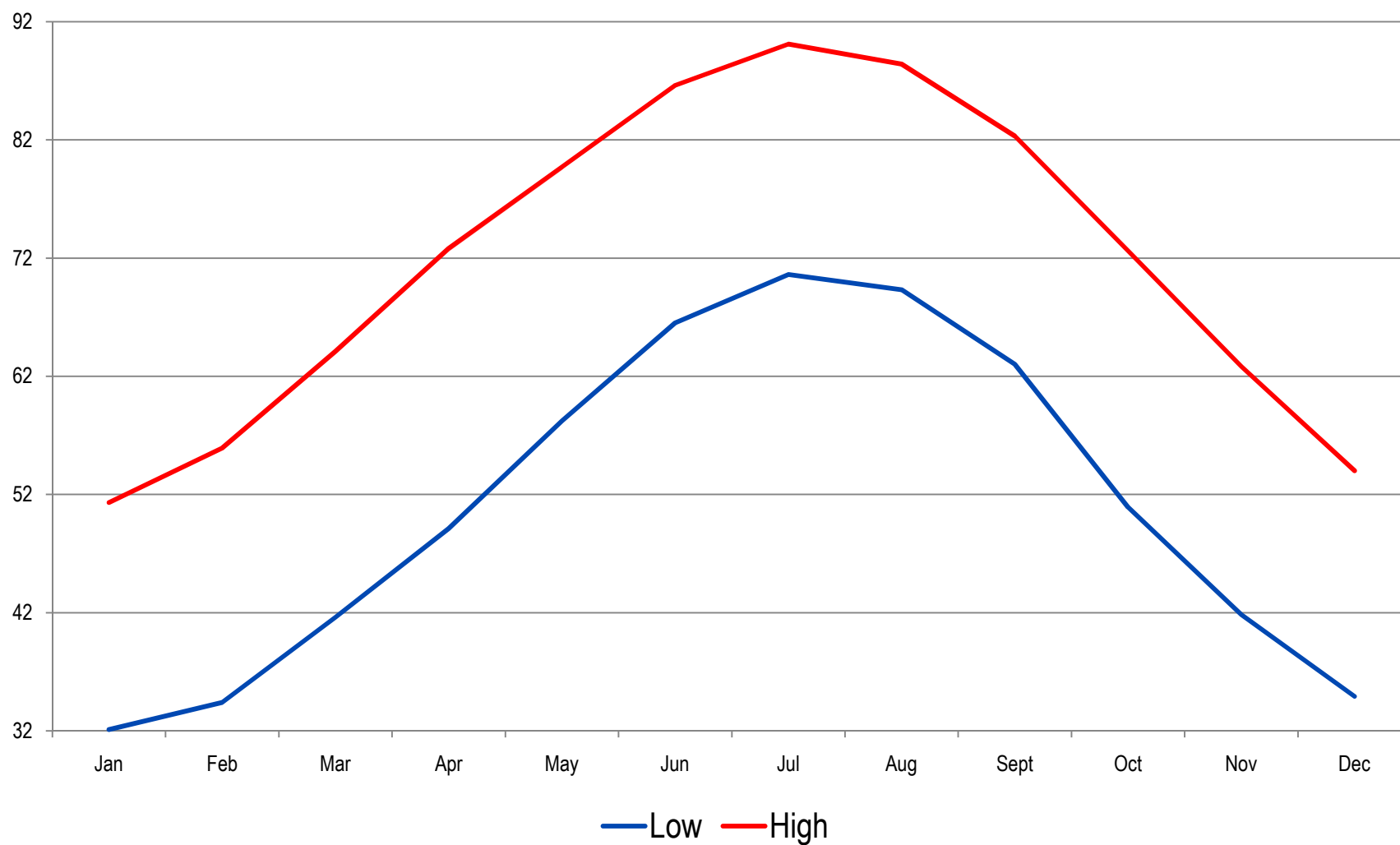


NC Topology



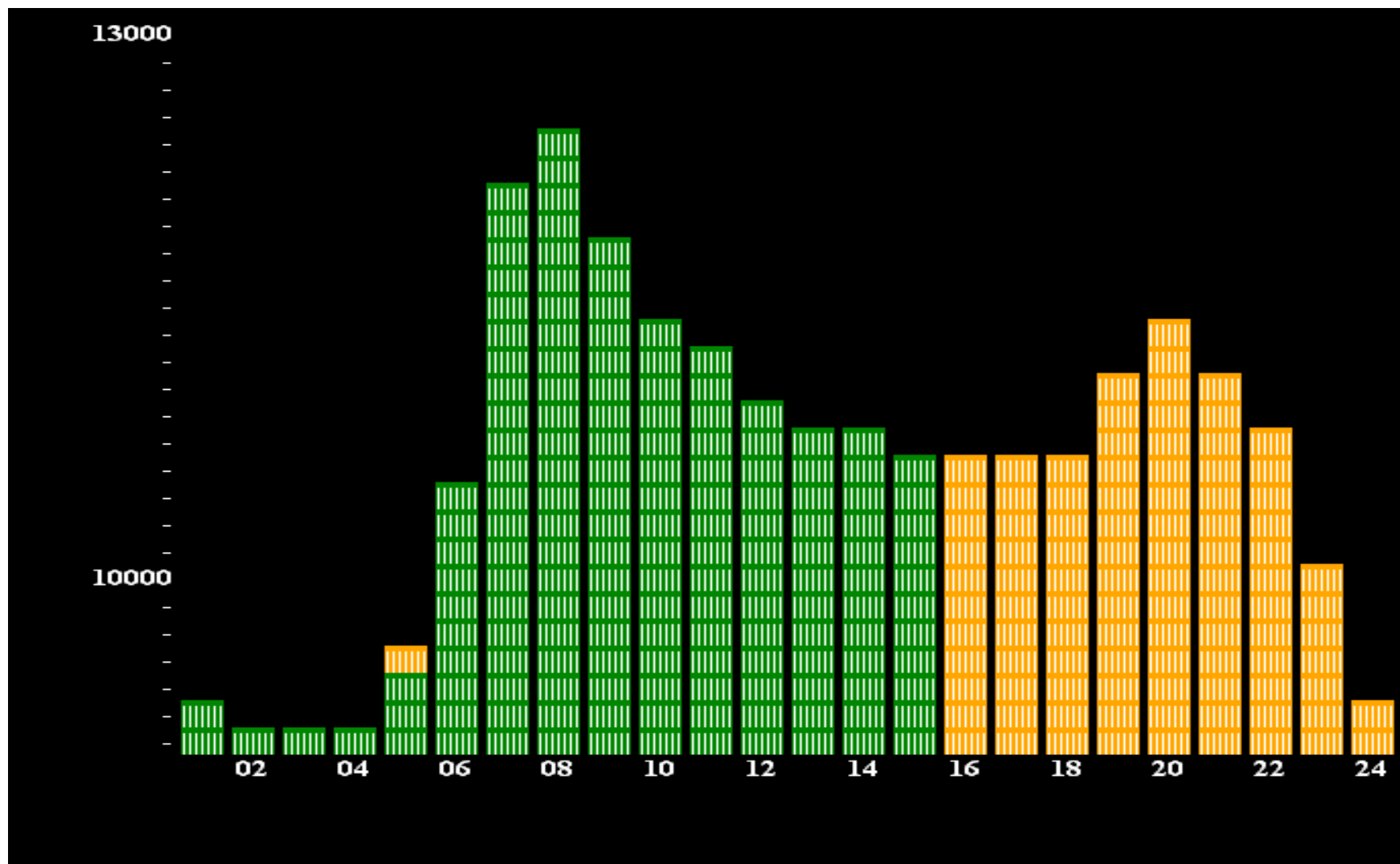


Seasonal Temperatures



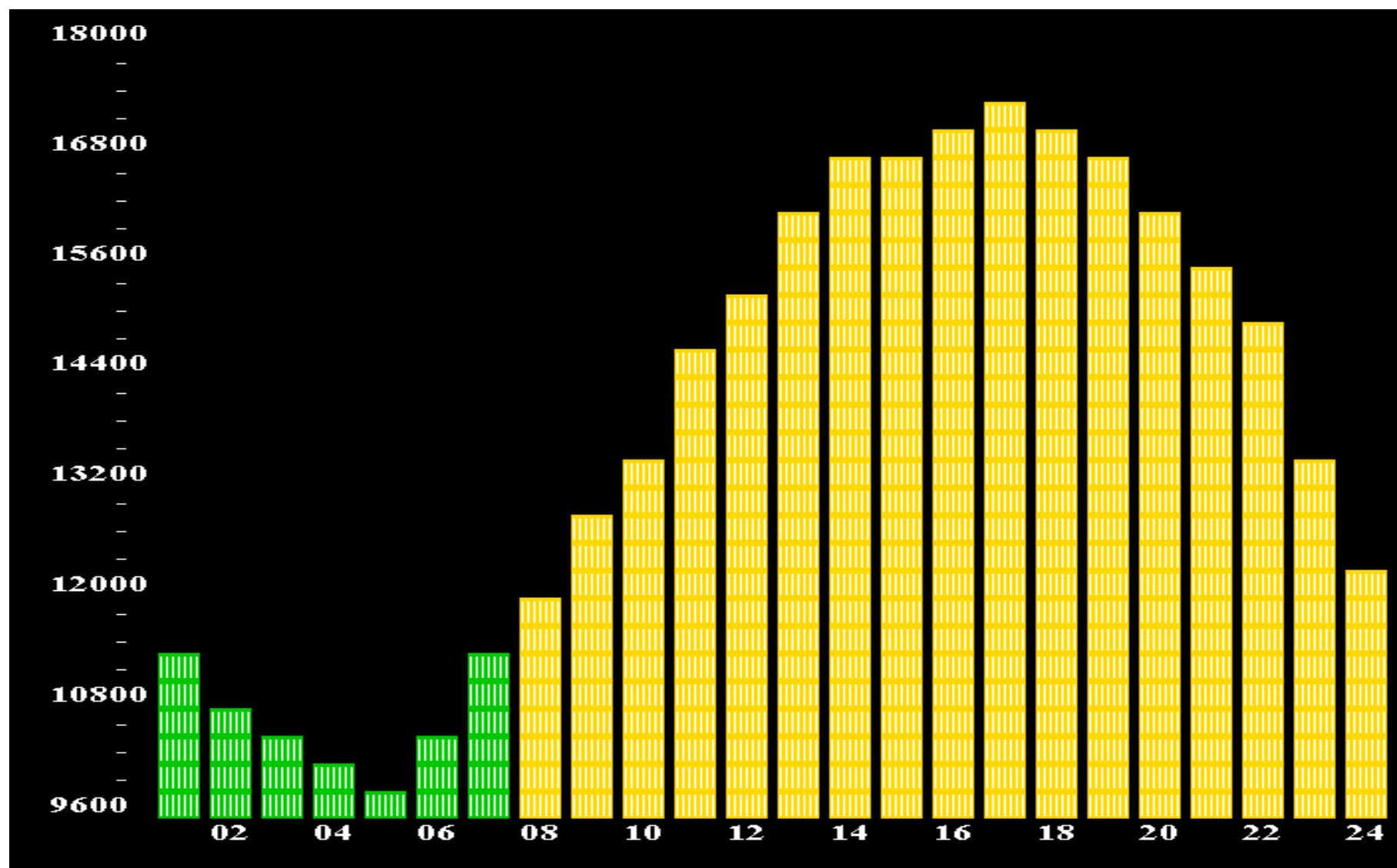


Winter Load



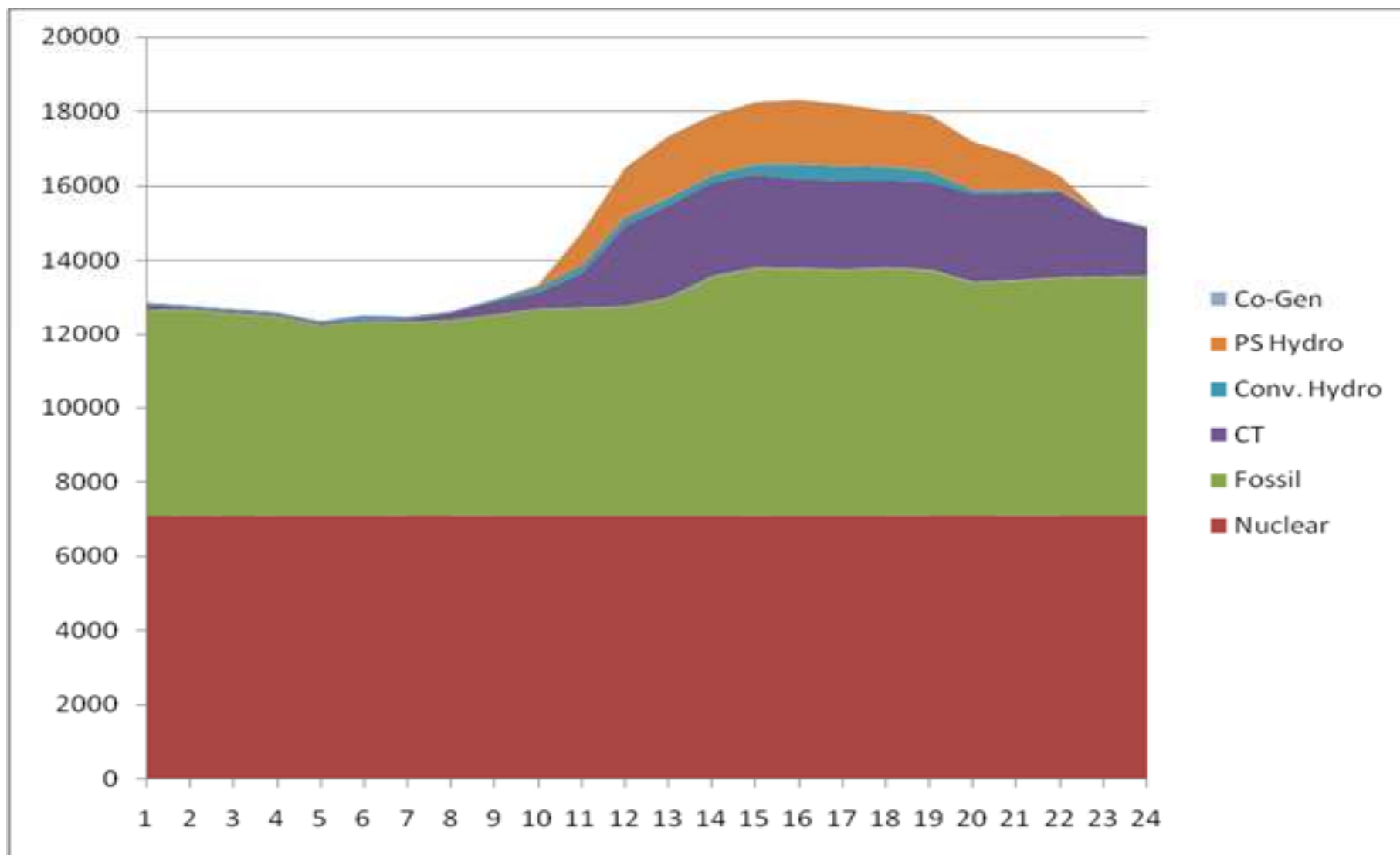


Summer Load





Distribution of Generation





Peak Load For Duke Energy

	2001	2002	2003	2004	2005	2006	2007	2008	2009
January	16691	15105	16599	15681	17920	15224	17059	17593	18242
February	14362	15388	14494	14992	15102	15717	17249	16432	18302
March	14046	15185	13238	13894	15010	13701	14675	14488	16661
April	14159	14838	12851	13117	12842	13927	13608	13042	13032
May	13270	15292	14655	17141	14480	17525	16674	15382	0
June	16277	17344	16761	17465	17725	18756	18201	19762	0
July	17091	18664	17528	17926	20083	18969	18615	19679	0
August	18105	18089	18074	17749	19011	19725	20628	19433	0
September	15532	16908	16122	15294	17110	15324	18349	17542	0
October	12710	15392	12155	12824	13795	14359	16619	13780	0
November	12680	13078	12868	13675	13929	13742	13941	15863	0
December	13067	14614	14515	16978	15660	16303	16428	16229	0
	2001	2002	2003	2004	2005	2006	2007	2008	2009
YEAR MAX	18105	18664	18074	17926	20083	19725	20628	19762	18302
	-01	01-02	02-03	03-04	04-05	05-06	06-07	07-08	08-09
Winter Max	16691	15388	16599	15681	17920	15717	17249	17593	18302
	2001	2002	2003	2004	2005	2006	2007	2008	2009
Summer Max	18105	18664	18074	17926	20083	19725	20628	19762	0



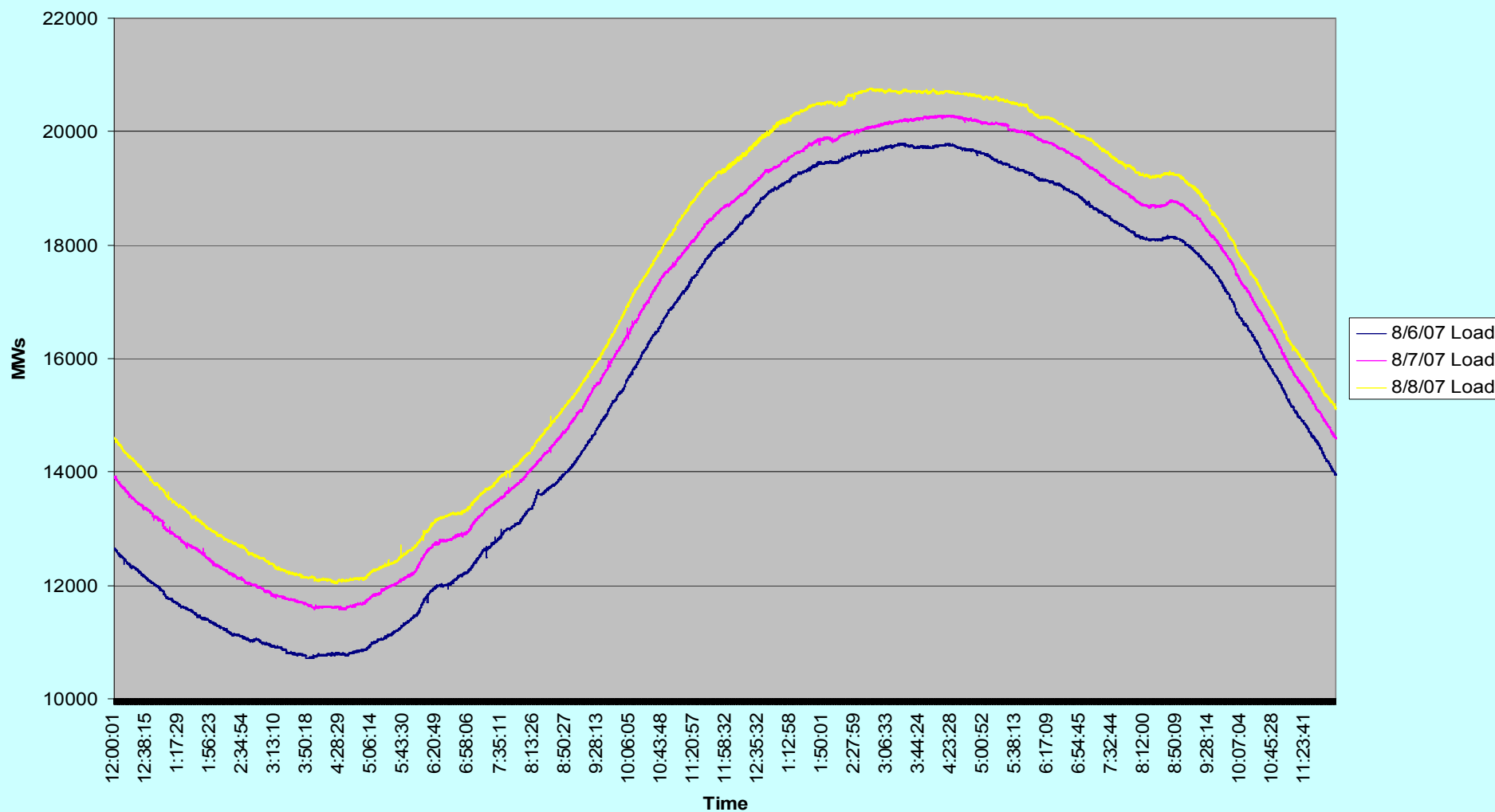
Monthly Peaks

January	18242
February	18302
March	16661
April	14838
May	17525
June	19762
July	20083
August	20628
September	18349
October	16619
November	15863
December	16978
 System Peak	 20628
 Winter Peak	 18302
 Summer Peak	 20628



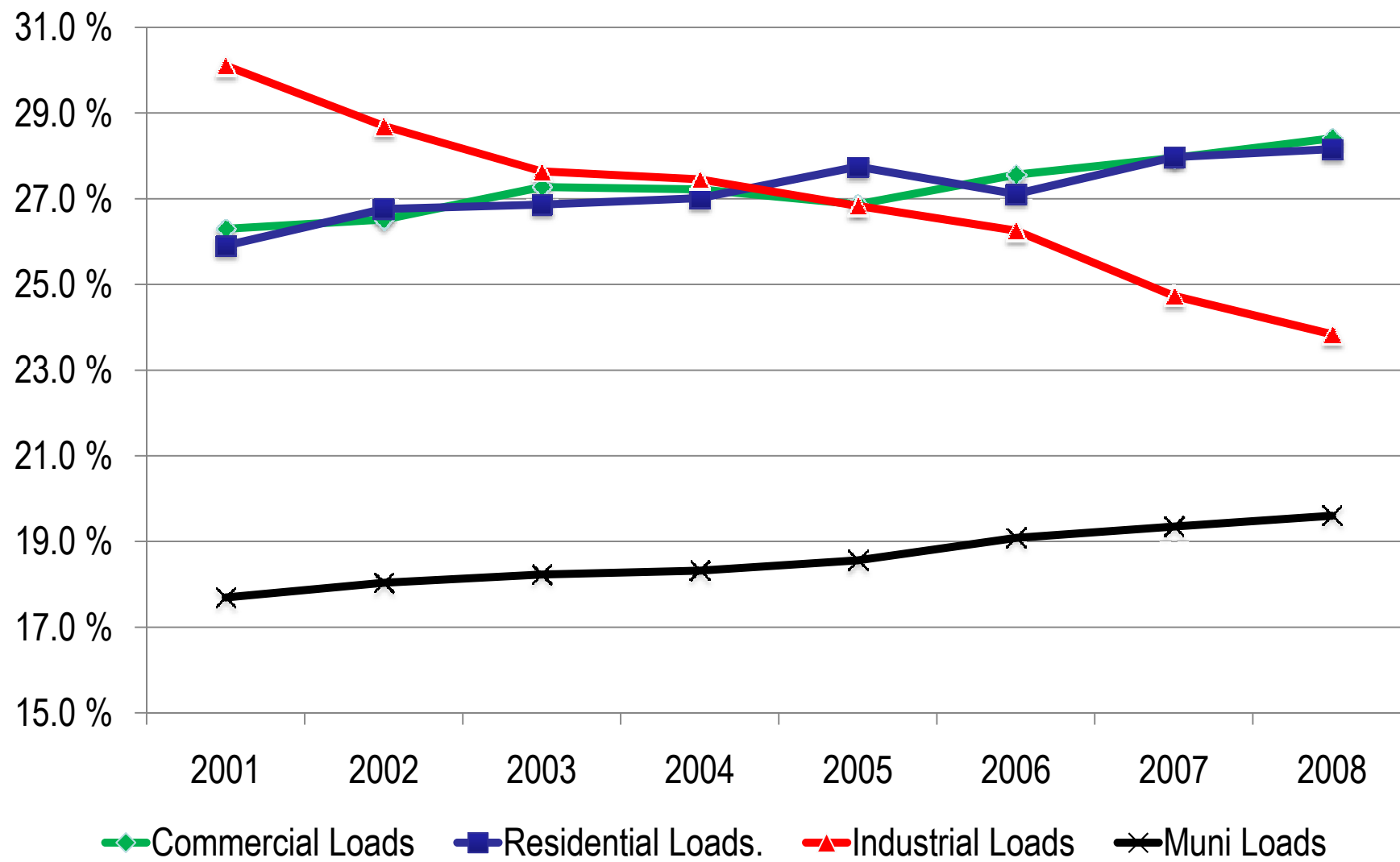
All Time Summer Peak

Load



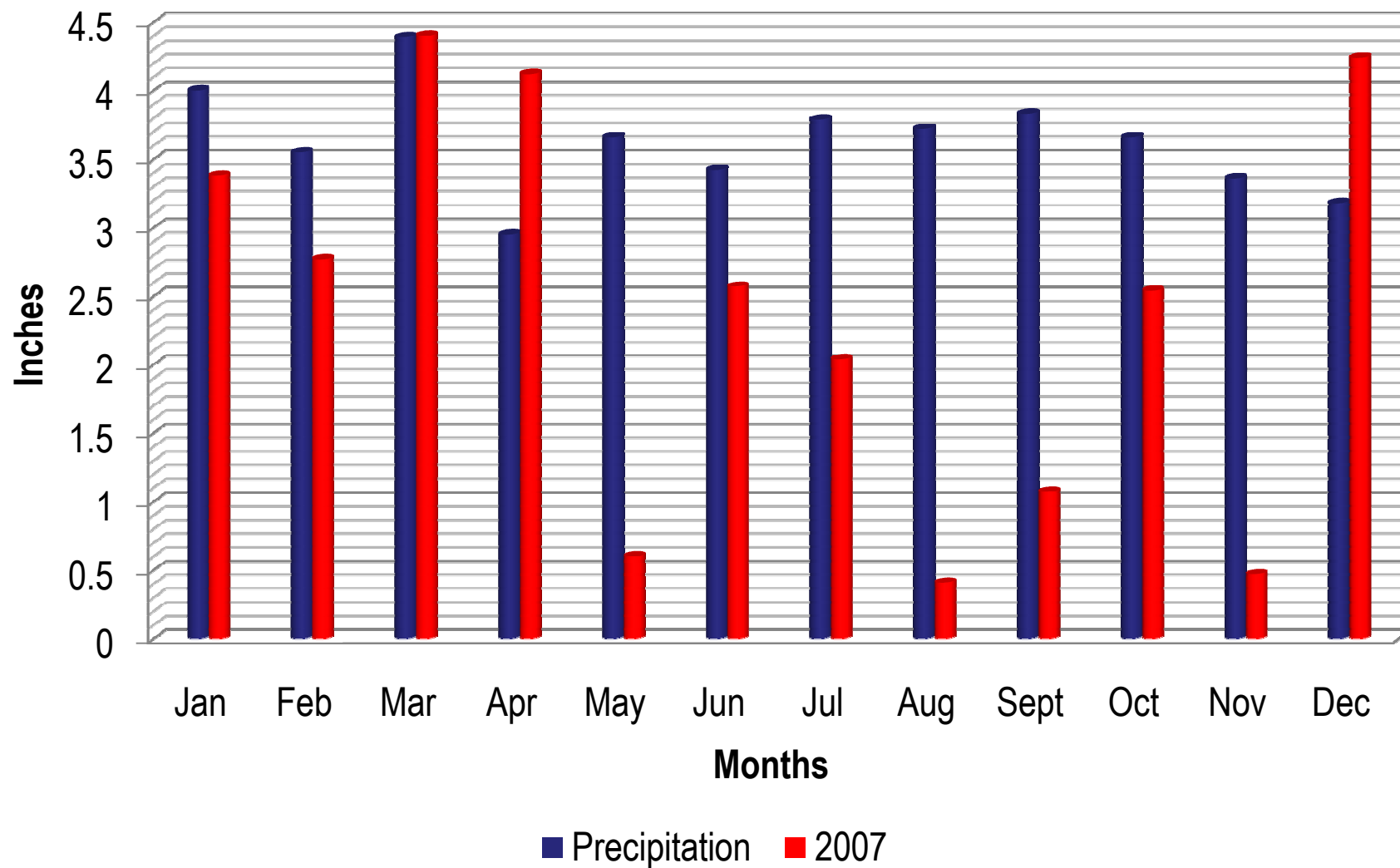


Duke Energy Load Distribution





Rainfall and Drought





Storms

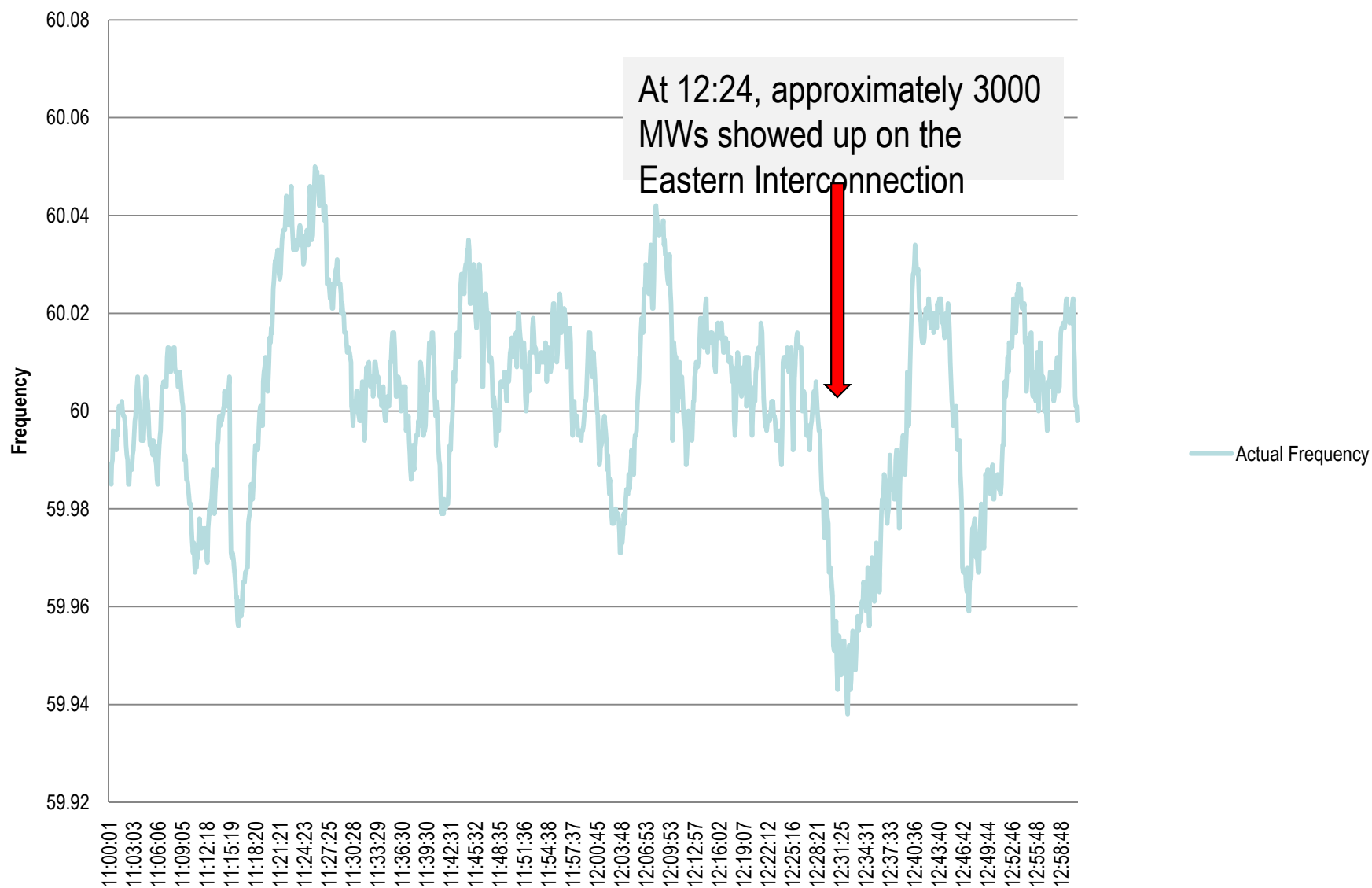




FUN FACTS



January 20, 2009





Superbowl XLIII

