

Agenda

- Nuclear Fleet Overview
 - Operating
 - New
- 2015 Performance
- 2016 Initiatives
- US Nuclear Industry

Current Nuclear Fleet



- Duke Energy Carolinas Service Area
- Duke Energy Progress Service Area
- Overlapping Areas

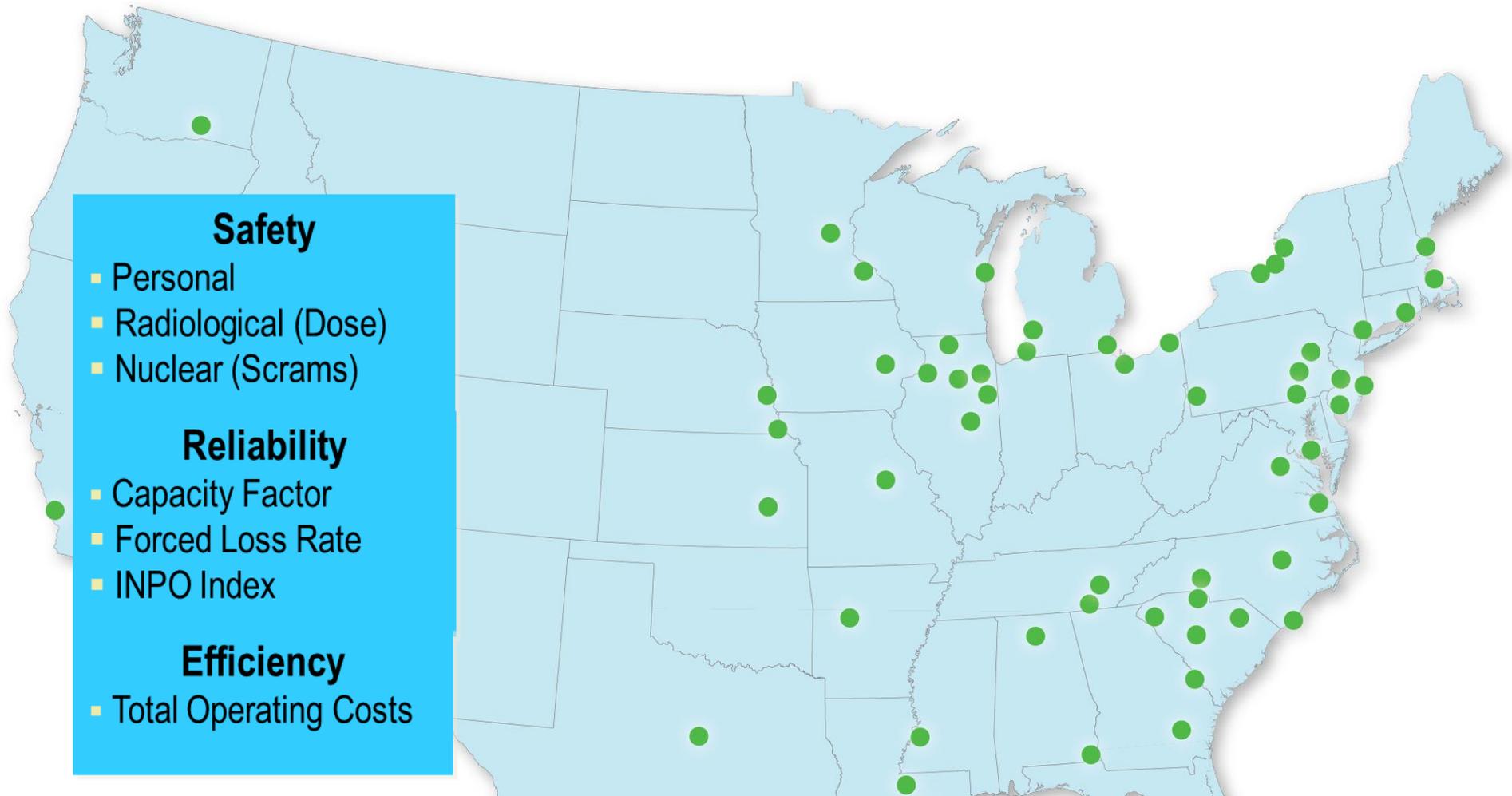
Duke Energy owns 100% of all units except the Catawba units.

Station	Capacity (MW)	Units	Commercial Operation	License Expiration
Oconee	2,554	3 PWR	1973	2033, 2034
Catawba	2,290	2 PWR	1985	2043
McGuire	2,316	2 PWR	1981	2041, 2043
Brunswick	1,870	2 BWR	1975	2034, 2036
Harris	928	1 PWR	1987	2046
Robinson	741	1 PWR	1971	2030
Crystal River	Retirement announced 2013			
Total	10,699	11		

New Nuclear Plants

- Combined construction and operating license (COL) applications
 - Lee (two AP1000 units near Gaffney, South Carolina)
 - Levy (two AP1000 units in Levy County, Florida)
- Levy mandatory hearing scheduled for July 28, 2016
- COLs expected in 2016

Nuclear Fleet ±Key Performance Indicators



2013 Duke Energy nuclear fleet industry ranking = 4 of 9
2014 Duke Energy nuclear fleet industry ranking = 1 of 8
2015 Duke Energy nuclear fleet industry ranking = 1 of 8
Duke Energy goal = Best fleet in the industry

2015 Generation Highlights

- Fleet capacity factor of 94.21 percent
 - 17th year of fleet capacity factor greater than 90 percent (excluding Crystal River 3 since 2010)
 - Exceeded U.S. industry average for past 23 years
- Oconee record capacity factor of 98.06%
- Both Catawba units completed record breaker-to-breaker runs at the beginning of the refueling outages
- Brunswick dual-unit run of 315 days

Top Industry Practice (TIP) Awards

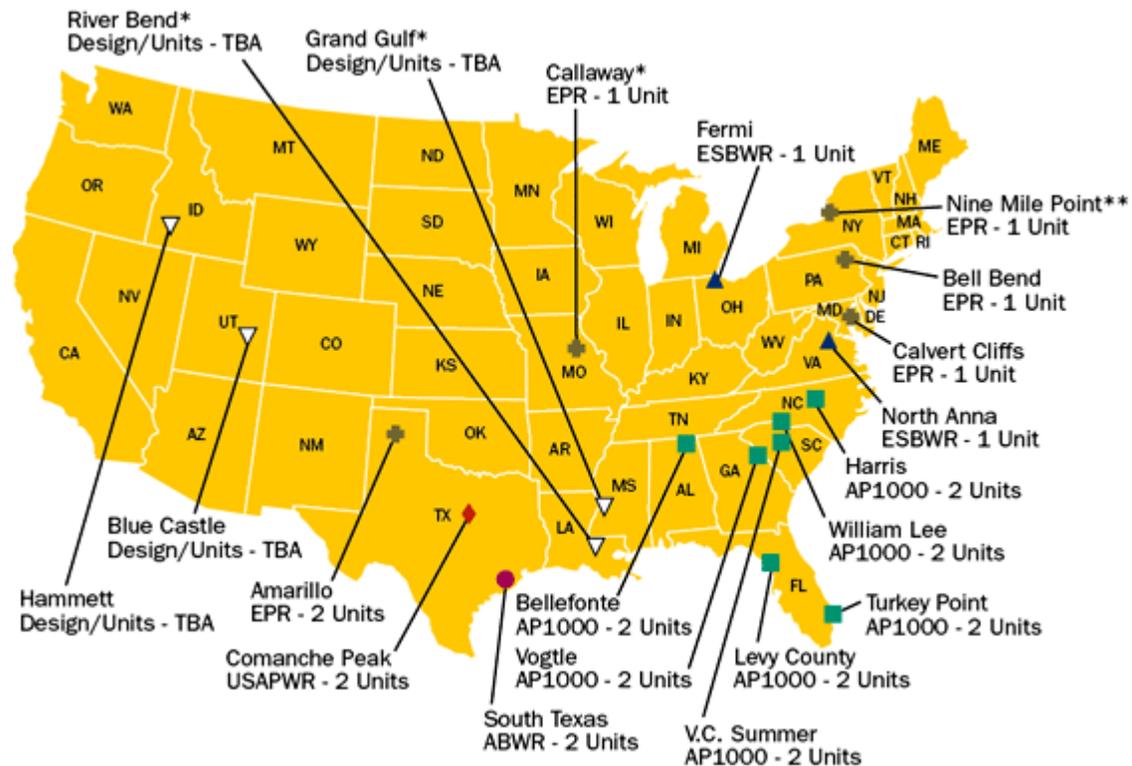
- Annual Nuclear Energy Institute awards to utilities
 - New ideas and practices that have a profound and direct impact on the success of the nuclear energy industry
 - 14 awards given out each year
- One Duke Energy TIP winner in 2016
 - Optimization of Nuclear Fleet Standard In-processing – Training Award
 - Ongoing industry-wide initiative to realize the benefits of standardized in-processing at all plants as part of “Delivering the Nuclear Promise”

2016 Fleet Initiatives

- Sustained Operational Excellence
- Outage Execution
- Employee Engagement and Leadership
- Financial Performance and Productivity

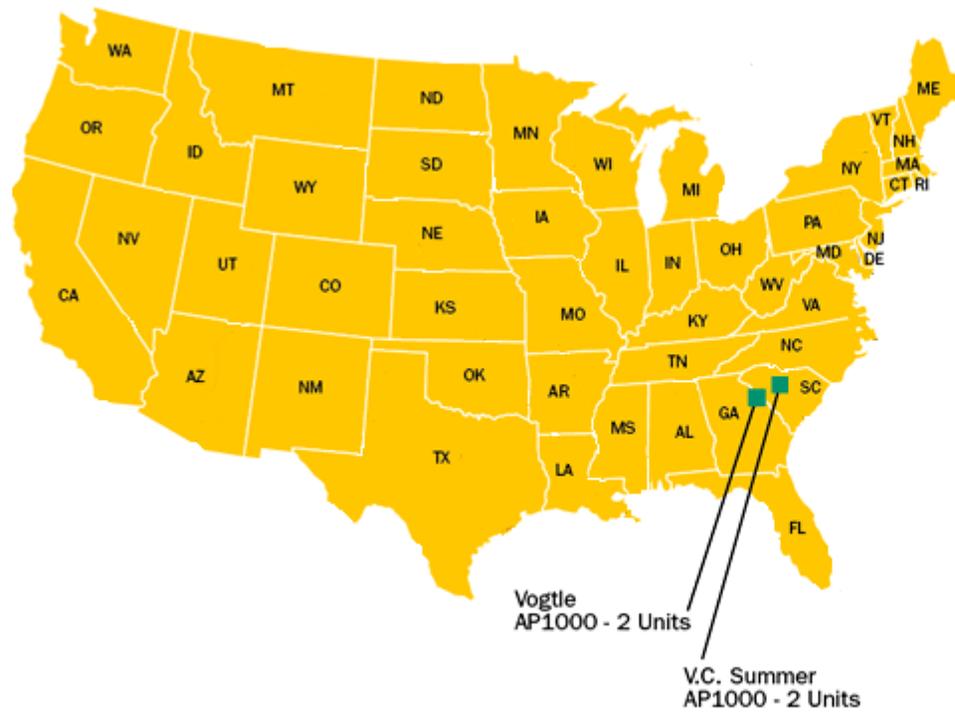
US Nuclear Renaissance in 2010

Proposed new US nuclear plants:

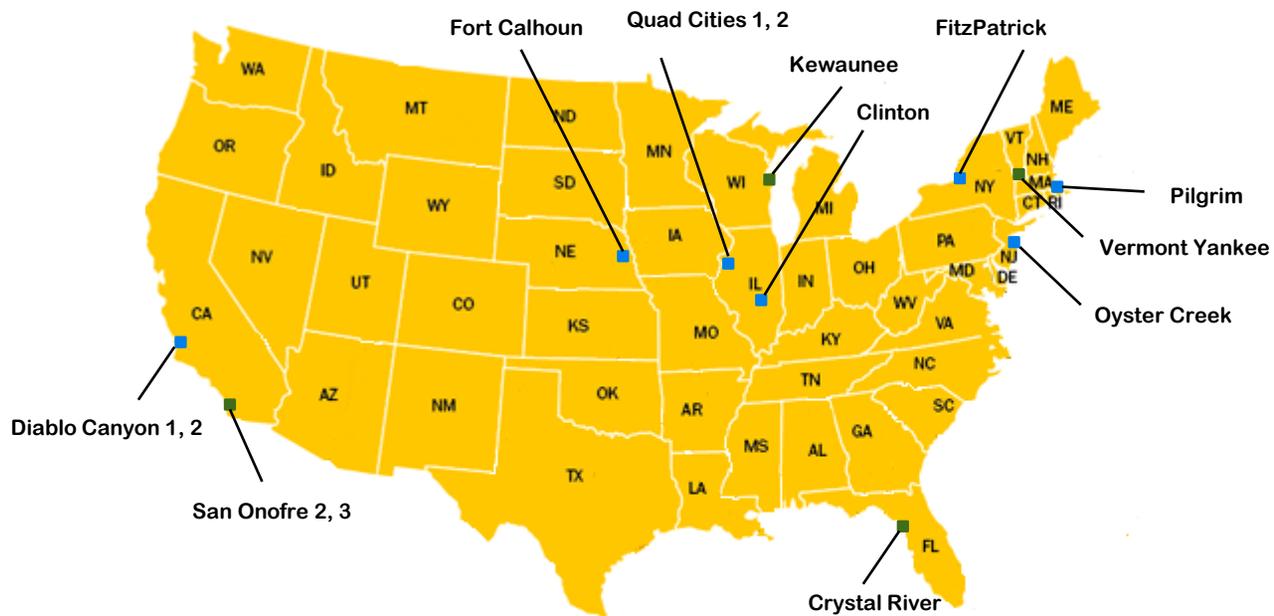


New Nuclear in 2016

New nuclear plants moving forward with construction:



Shutdown/Planned Shutdown Plants in 2016



Since 2010:

- Five nuclear units have shut down.
- Nine nuclear units have announced shutdown/retirement.

Questions ?