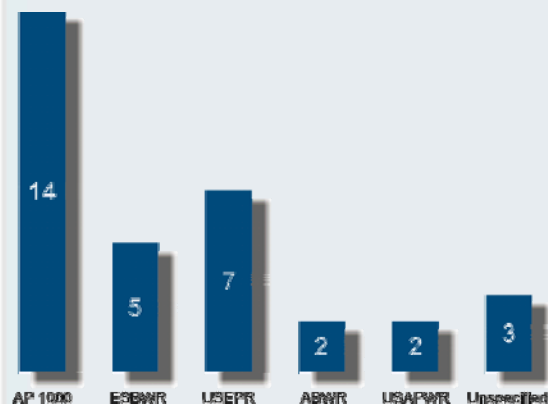


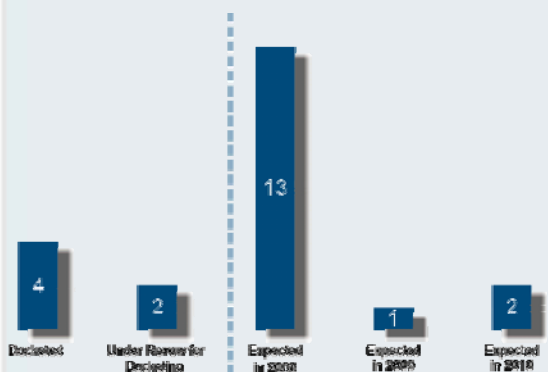
Quick Statistics

Early Site Permits issued	3
Permits under review	1
Total COL applications submitted	6
Certified reactor designs	2
Reactor designs under review	4
Expected license applications	22
Expected number of reactors	33
Nuclear plant locations	19
Companies applying for COL	19

Number of Planned Reactors (33)



Status of License Applications (22)



Announced Nuclear Locations

- Bellefonte (AL)—Tennessee Valley Authority
- Bruneau (ID)—Alternate Holding Energy
- Callaway (MO)—AmerenUE
- Calvert Cliffs (MD)—UniStar
- Clinton (IL)—Exelon
- Comanche Peak (TX)—Luminant (formerly TXU)
- Fermi (MI)—DTE Energy
- Grand Gulf (MS)—Entergy
- Shearon Harris (NC)—Progress Energy
- Levy County (FL)—Progress Energy
- Nine Mile Point (NY)—UniStar
- North Anna (VA)—Dominion Energy
- River Bend (LA)—Entergy
- South Texas Project (TX)—STP Nuclear
- V.C. Summer (SC)—SCE&G
- Susquehanna (PA)—PPL
- Turkey Point (FL)—Florida Power & Light
- Vogtle (GA)—Southern Nuclear
- William States Lee III (SC)—Duke Energy

Vendor Technology Under Consideration

General Electric

- Advanced Boiling Water Reactor (ABWR), 1,356 MWe (*certified 10CFR52 App A*)
- Economic Simplified Boiling Water Reactor (ESBWR), 1,560 MWe

Westinghouse

- Advanced Passive Pressurized Water Reactor (AP1000), Twin units 1,117 MWe each (*certified 10CFR52 App D*)

AREVA

- United States Evolutionary Pressurized Water Reactor (US EPR), 1,600 MWe

Mitsubishi Heavy Industry

- United States Advanced Pressurized Water Reactor (US APWR), 1,700 MWe



U.S. Department of Energy
Office of Nuclear Energy

Nuclear Power Deployment Scorecard

Powering Future Decades



U.S. Department of Energy
Office of Nuclear Energy

March 3, 2008

Updates available at
<http://www.nuclear.gov>

What's New

NRC docketed Mitsubishi's US-APWR Design Certification application on February 29, 2008.

Entergy and NuStart submitted a COL application for an ESBWR at Grand Gulf on February 27.

NRC docketed Duke's COLA for two AP1000 reactors at William States Lee III Nuclear Station on February 25.

NRC docketed AREVA's US-EPR Design Certification application on February 25.

Progress Energy submitted a COL application for two AP1000 reactors at Shearon Harris on February 19.

On February 13, NRC canceled a planned hearing for NRG's South Texas Project COLA; this will extend the deadline for petition to intervene.

On January 31, a company remaining anonymous informed NRC of its intention to submit a COL application in 2010.

Legend



Implementation proceeding according to plan and schedule



Progress being made; however, issues or uncertainties exist that could impede progress



Unlikely to realize objectives absent significant management attention



No dates or end state established



Indicates change in status or progress since last evaluation



Regulatory Demonstration completed. No further government assistance is warranted.

Nuclear Power Deployment Scorecard



Early Site Permit (ESP)

- Three site permits issued by NRC (*Clinton, Grand Gulf, North Anna*)
- One site permit application under NRC review (*Vogtle*)
- Submission of three other ESP applications expected in 2010-2012



Combined Construction and Operating License (COL)



License Applications Submitted to NRC

- Four COL applications docketed for review by NRC (*STP, Bellefonte, North Anna, and Lee*)
- One partial COLA docketed—environmental portion only (*Calvert Cliffs*)
- Two COL applications submitted to NRC awaiting acceptance (*Grand Gulf and Harris*)
- Submission of 16 additional COLs expected in 2008-2010
- Three applications expected in March (*V.C. Summer, Vogtle, and Calvert Cliffs*)



Licenses to Build Issued by NRC

- NRC anticipates issuing COL 42 months after docketing



Reactor Design Certification (DC)

- Two advanced reactor designs certified by NRC (*ABWR and AP 1000*)
- Four reactor designs undergoing NRC certification review (*ESBWR, US-EPR, AP1000 amendment, and US-APWR*)



New Nuclear Plant Orders



Long-Lead Equipment Orders

- Six utilities have ordered large long-lead nuclear component forgings with three reactor vendors
- No other long-lead equipment (e.g., heat exchanger and generator) have been ordered to date
- Japan Steel Works is only manufacturer of ultra-large forgings worldwide-capacity limited



Engineering, Procurement and Construction Contracts (EPC)

- No plant contracts signed to date; negotiations on-going among vendors and several utilities
- Plant engineering in progress; completion required to start construction



New Nuclear Plant Construction, Operation & Deferral

- No utility has committed to constructing a new plant



Federal Financial Incentives



Standby Support (Risk Insurance)

- Final 10 CFR Part 950 Rule issued August 11, 2006
- Standard Conditional Agreement issued September 2007
- DOE released on-line instructions to request a Conditional Agreement in December 2007



Production Tax Credits

- Internal Revenue Bulletin 2006-18 published May 2006
- Publish regulation for Production Tax Credit in FY08



Energy Facility Loan Guarantee

- Final 10 CFR Part 609 Rule amended January 18, 2008
- Solicitation for small scale loan guarantees closed December 2006
- No solicitation issued for nuclear plant loan guarantees
- \$18.5 billion approved for loan guarantees for nuclear plants December 2007