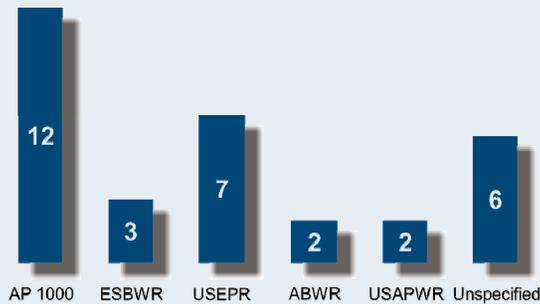


Quick Statistics

Early Site Permits issued—3
License applications submitted—4
Reactor Design Certifications—2
Nuclear plant locations—20
Expected companies applying for license—18
Expected number of reactors—32
Expected number of license applications—21

Number of Planned Reactors



Status of License Applications



Announced Nuclear Locations

- Bellefonte (AL)—Tennessee Valley Authority
- Boise (ID)—Mid American
- Bruneau (ID)—Alternate Holding Energy
- Callaway (MO)—AmerenUE
- Calvert Cliffs (MD)—UniStar
- Clinton (IL)—Exelon
- Comanche Peak (TX)—TXU
- Fermi (MI)—DTE Energy
- Grand Gulf (MS)—Entergy
- 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 (TX)—STP Nuclear
- Summer (SC)—SCE&G
- Susquehanna (PA)—PPL
- Turkey Point (FL)—Florida Power & Light
- Vogtle (GA)—Southern Nuclear
- William Lee (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

Nuclear Power Deployment Scorecard

Powering Future Decades



U.S. Department of Energy
Office of Nuclear Energy

December 14, 2007

What's New

- On December 13, 2007 Duke Power submitted a COL application for 2 AP 1000 reactors at William Lee.
- MidAmerican announced plans on December 13 to submit a COLA for a plant in Boise, Idaho in late 2008.
- On December 11, AREVA filed for Design Certification of their Evolutionary Power Reactor (EPR).
- On December 11, Exelon signed a forging order with GE-Hitachi for two ESBWRs.
- On November 29, NRC docketed STP Nuclear Operating Company's COL application for two ABWRs at the South Texas Project site.
- On November 28, Dominion submitted a COL application for one ESBWR at North Anna.
- On November 28, NRC issued an ESP for North Anna (1 ESBWR)
- On November 12, Exelon selected the ESBWR for its planned 2008 COL application in Matagorda or Victoria County, Texas.
- On October 26, Florida Power & Light tentatively selected the AP1000 for its March 2009 COLA at Turkey Point.

Legend

-  Implementation proceeding according to plan and schedule
-  Some slippage or other issues requiring adjustment in order to achieve objectives on a timely basis
-  Unlikely to realize objectives absent significant management attention
-  No dates or end state established

 Indicates change in status or progress since last evaluation

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

- One COL application docketed for review by NRC (STP Nuclear Operating Co.)
- Three COL applications submitted to NRC (Dominion, TVA-NuStart, and Duke)
- Submission of 17 additional COLs expected in 2008-2009



Licenses to Build Issued by NRC

- No licenses have been issued to date



Reactor Design Certification (DC)

- Two advanced reactor designs certified by NRC (ABWR and AP 1000)
- Two reactor designs undergoing NRC certification review (ESBWR and EPR)
- One additional DC application (APWR) expected to be submitted in December 2007



New Nuclear Plant Orders



Long-Lead Equipment Orders Initiated

- Six utilities have ordered large long-lead nuclear component forgings with three reactor vendors
- Only one large forging vendor worldwide—capacity limited



Plant Engineering and Construction Contracts

- No plant contracts signed to date



New Nuclear Plant Construction, Operation & Deferral

- No new nuclear plants operating
- Construction of Watts Bar 2 reactor planned for completion by 2013



Federal Financial Incentives



Standby Support (Risk Insurance)

- Final 10 CFR Part 950 Rule issued August 11, 2006
- Standard Conditional Agreement issued September 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 published October 23, 2007
- Solicitation for small scale loan guarantees closed December 2006
- No solicitation issued for nuclear plant loan guarantees