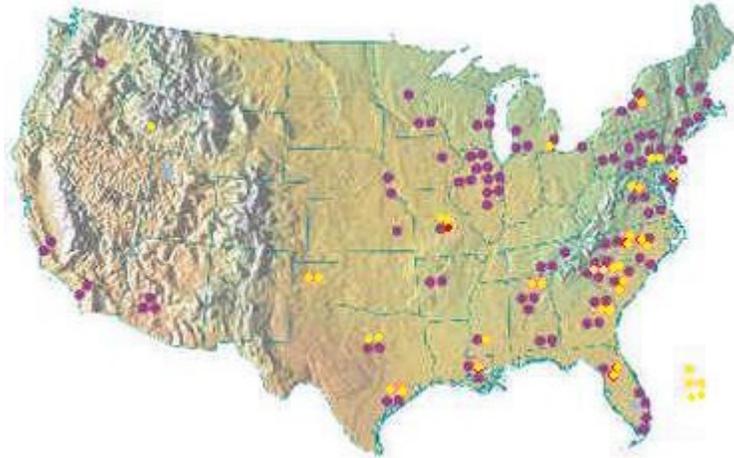


U.S. Nuclear Power Relapse

Data available as of 11/08/07



Purple = existing nuclear power reactors
 Yellow = planned new sites or new units at existing sites
 5 dots at right indicate planned new reactors where the sites are "to be announced" see below.

The last nuclear power reactor completed, Watts Bar, was ordered 34 years ago; the nuclear power industry has been in the deep-freeze. Not as easy to generate profits as other energy sources, nuclear power has required massive government subsidy in order to compete at all. Splitting atoms remains the most dangerous way to boil water – and generates waste that will be a heavy responsibility for the next 12,000 human generations. Thanks to \$13 billion (+) in new subsidies from Congress in 2005, and potential for unlimited guarantees from taxpayers for commercial loans for new construction, nukes are trying to a come-back – or, applying historical perspective, the United States is in *a nuclear relapse*. **It is not too late to stop it!**

Data from the U.S. NRC's Report to Congress August 22, 2006 and updates available at:
<http://www.nrc.gov/reactors/new-licensing/new-licensing-files/expected-new-rx-applications.pdf>

Shading indicates that license or early site permit has been submitted – all others indicate official statements of intent have been sent to the U.S. NRC. Abbreviations listed after table.

| Nuke Corporation | Reactor Site # of reactors there now | Projected Date for action | Action | Number of new reactors & type |
|-------------------------------|--------------------------------------|--|----------------------------------|------------------------------------|
| Alabama | | | | |
| NuStart Energy (includes TVA) | Bellefonte none now | 4 th quarter 2007 | Combined Operating License (COL) | 2 units AP 1000 Pre-certified |
| Georgia | | | | |
| Southern Company | Vogtle two | Early Site Permit (ESP) 2006 COL early 2008 | Early site permit COL | 1 or 2 units AP 1000 Pre-certified |
| Florida | | | | |
| Progress Energy | Levy County none | early 2008 | COL | 2 units AP 1000 Pre-certified |

NIRS Southeast Office

| Nuke Corporation | Reactor Site # of reactors there now | Projected Date for action | Action | Number of new reactors & type |
|---------------------------|---|---|----------------------------------|--|
| Florida Power & Light | To be announced | 2009 | COL | ? unknown |
| Idaho | | | | |
| Alternate Energy Holdings | none | 2008 | COL | EPR |
| Louisiana | | | | |
| Entergy | River Bend one | Early 2008 | COL | 1 units ESBWR cert pending |
| Maryland | | | | |
| UNISTAR Nuclear | Calvert Cliffs | 2008 | COL (partial ap 2007) | 1 unit EPR not certified |
| Michigan | | | | |
| Detroit Edison | Fermi one open, one closed | End 2008 | TBD | 1 unit To be determined |
| Missouri | | | | |
| AmerenUE | Calloway one | 2008 | COL | 1 unit EPR cert pending |
| Mississippi | | | | |
| NuStart Energy | Grand Gulf one | Early site permit pending 2007 COL late 2007 | COL | 1 units ESBWR certification pending |
| New York | | | | |
| UNISTAR Nuclear | Nine Mile Point two | 3 rd or 4 th Quarter 2008 | COL | 1 unit EPR not yet certified |
| North Carolina | | | | |
| Duke Energy | Perkins Davie Cnty, NC None now | TBD | Early site permit | 1 or 2 units TBD |
| Progress Energy | Shearon Harris Durham NC one | End of 2007 | Combined Operating License (COL) | 2 units AP 1000 Pre-certified |
| Pennsylvania | | | | |
| PPL | Susquehanna two Now calling site "Berwick" | 2008 | COL | 1 unit EPR |
| South Carolina | | | | |
| Duke Energy | Oconee Upstate three | TBD | Early site permit | TBD TBD |

NIRS Southeast Office

| Nuke Corporation | Reactor Site # of reactors there now | Projected Date for action | Action | Number of new reactors & type |
|-------------------------------|---|--|------------------|--|
| Duke Energy | William Lee Upstate None now | Late 2007 | COL | 2 units AP 1000 Pre-certified |
| Texas | | | | |
| NRG Energy | South Texas Project two | Late 2007 | COL | 2 units ABWR Pre-certified |
| Virginia | | | | |
| Dominion | North Anna two | Early site permit pending 2007 COL late 2007 | COL | 1 or 2 units ESBWR Cert. pending |
| Unknown Locations | | | | |
| Exelon | To be announced | 2008 | To be determined | 2 unit To be determined |
| Unistar Nuclear | Location not disclosed | Early 2008 | COL | 1 unit, EPR |
| 1 unidentified corporation | Unknown locations | 2010 | Not clear | undisclosed |

ABWR – Advanced Boiling Water Reactor from a team of Hitachi and GE

AP 1000 – standardized “advanced” reactor design from Westinghouse

COL – combined operating license – no early site permit

Early Site Permit – allows “banking” of a site with “pre-approval” for up to 20 years and relieves any further consideration of many environmental and demographic factors even 20 years later.

EPR – European Pressurized Water Reactor – built by AREVA (France)

ESBWR – “Elegant, Simple, Economical” Boiling Water Reactor by General Electric

Pre-certified – NRC has ok’d a standardized design in advance – likely closing many issues during reactor licensing.

TBD – To be determined

Unit – many nuclear power sites have more than one reactor unit on the site now. Nearly all sites listed represent the addition of new units to existing reactor sites. Exceptions to this are in Florida, South Carolina, Alabama, Texas and Idaho.

This document was created with Win2PDF available at <http://www.win2pdf.com>.
The unregistered version of Win2PDF is for evaluation or non-commercial use only.
This page will not be added after purchasing Win2PDF.