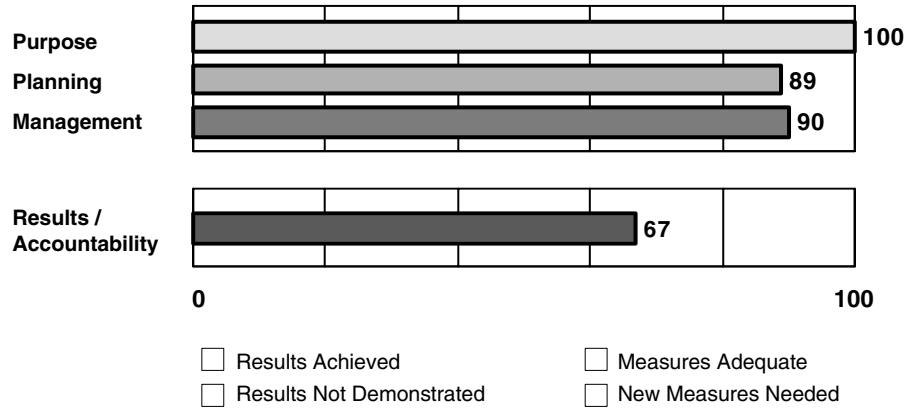


**Program: Nuclear Power 2010**

**Agency:** Department of Energy

**Bureau:** Energy Programs



**Key Performance Measures**

**Year Target Actual**

Measure	Year	Target	Actual
Long-term Goal: An industry decision by 2005 to build a new nuclear power plant by 2010			
Annual Measure: Utilities submit Early Site Permit applications to NRC in the fourth quarter of 2003 Initiate advanced reactor technology development and certification projects			
Long-term Goals: NRC issues first Early Site Permits approving locations for new nuclear power plants NRC issues a combined Construction and Operating License for a new nuclear power plant in 2007			

**Rating: Moderately Effective**

**Program Type:** Research and Development

**Program Summary:**

The mission of the Nuclear Power 2010 program is to address the technical and regulatory barriers to deployment of new nuclear power plants in the United States by 2010. Nuclear Power 2010 is a joint government/industry cost-shared program to develop near-term advanced reactor technologies and to demonstrate new regulatory processes that would enable the private sector to order one or more new nuclear power plants in the United States by 2005.

Findings from the PART include the following:

1. The program purpose is extremely clear and reflects a strong government/industry consensus on a plan of action to deploy new nuclear plants in the U.S. by 2010, which was prepared under the auspices of DOE's Nuclear Energy Research Advisory Committee (NERAC).
2. The program has established annual performance goals that demonstrate a clear path to achieving its long-term objective with detailed performance measures, timelines, and definitions of success.
3. Close oversight by the NERAC Generation IV Technology Planning Subcommittee will maintain program focus and priorities.
4. DOE's Nuclear Power 2010 Program Plan, including the use of competitive, peer-reviewed project awards and personnel appraisal system, will provide information needed to manage the program effectively and efficiently and hold managers accountable for results.

In response to these findings, the Budget proposes funding of \$35 million in 2004 to continue the program.

(For more information on this program, please see the Department of Energy chapter in the Budget volume.)

**Program Funding Level (in millions of dollars)**

<u>2002 Actual</u>	<u>2003 Estimate</u>	<u>2004 Estimate</u>
8	35	35