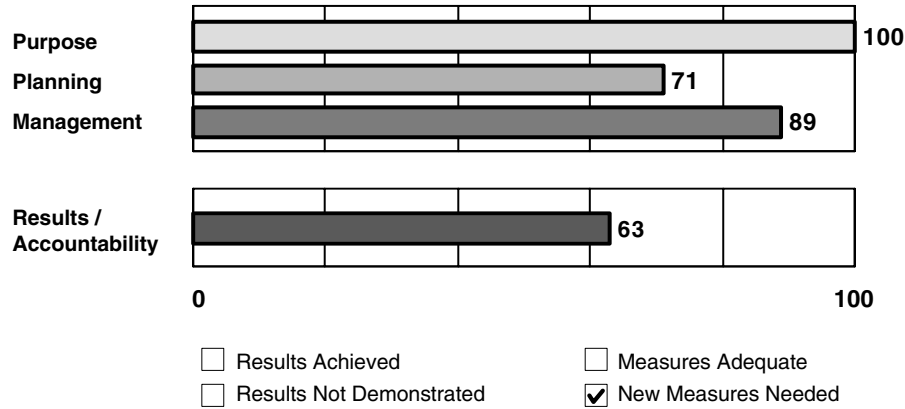


Program: *Generation IV Nuclear Energy Systems Initiative*

Agency: *Department of Energy*

Bureau: *Nuclear Energy*



Key Performance Measures

Year Target Actual

Key Performance Measures	Year	Target	Actual
Long-term Measure: Measures under development			
Annual Measure: Measures under development			

Rating: *Moderately Effective*

Program Type: *Research and Development*

Program Summary:

The Generation IV Nuclear Energy Systems Initiative funds research on the next generation of nuclear reactors. Generation IV reactors are part of a new generation of nuclear energy and fuel cycle technologies that offer significant improvements in the sustainability, proliferation and terrorism resistance, safety and reliability, and economics.

The assessment indicates that the Generation IV Nuclear Energy Systems Initiative has a very clear purpose and is the product of extensive collaborative planning with nine other nations of the Generation IV International Forum (GIF). Additional findings include:

1. The program has established long-term goals to develop next-generation nuclear reactors but needs to quantify measurable long-term outcomes.
2. DOE has prepared a detailed research roadmap to guide its research efforts and has created the GIF, an international planning and oversight body, to monitor progress and guide research investments.
3. The program budget does not associate funding with individual annual performance goals, plans, and performance measures so that the potential impacts of funding changes cannot currently be determined.
4. Annual performance goals, as outlined in the program's detailed roadmap, define work to be accomplished but not adequate measurable indicators of success.

In response to these findings, the Administration will:

1. Develop measurable outcome indicators for the long-term and annual performance goals identified in the program's detailed R&D roadmap;
2. Develop a plan for independent program evaluations to guide program managers and policy decision makers; and
3. Define relationship between funding and the program's goals, plans, and performance measures.

(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>
4	8	10