



U.S. DEPARTMENT OF
ENERGY

Nuclear Energy

Goals & Priorities for 2012

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Nuclear Energy Advisory Committee
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Goals & Priorities for 2012

- 1) Small Modular Reactor Deployment**
- 2) Modeling and Simulation Hub**
- 3) Blue Ribbon Commission Report Recommendations**
- 4) Advanced Test Reactor (ATR) Upgrades**
- 5) Remote Handled Low Level Waste Disposal Project at INL**



- 6) Accident Tolerant LWR Fuel Research and Development**
- 7) Light Water Reactor Sustainability R&D**
- 8) Extraction of Uranium from Seawater**
- 9) Decision on INL Contract Option**
- 10) Advance international stakeholder support for the Comprehensive Fuel Services (CFS) concept**



- 11) Address current skills mix and critical skills gaps in the federal staff**
- 12) Evaluation and Screening of Sustainable Fuel Cycle Options**
- 13) Stand Up University-Based Integrated Research Projects (IRP) on Extended Used Fuel Storage and High Temperature Reactor Development**
- 14) Complete development of the Advanced Stirling Radioisotope Generator in support of NASA missions**



- 15) High Temperature Reactor Development for Process Heat Applications**
- 16) Continue support for the International Framework for Nuclear Energy Cooperation (IFNEC)**
- 17) Continue international engagement to support U.S. policy and U.S. commercial nuclear industry objectives**
- 18) Complete Phase I of the Joint Feasibility Study with the Republic of Korea**



Long Term Goals & Priorities for 2012

- 19) Update DOE's Uranium Management Plan**
- 20) Implement Independent Peer Reviews of Technical Campaigns within the fuel cycle R&D program**
- 21) Develop an NE corporate level strategic plan integrating the activities of the program offices**
- 22) Fully establish NE's Public Affairs and Outreach programs**
- 23) Rebuild NE website and implement new change procedures**