



U.S. DEPARTMENT OF
ENERGY

Nuclear Energy

Office of Nuclear Energy FY 2011 Budget Request

**Patrick R. Schwab
Office of Nuclear Energy**

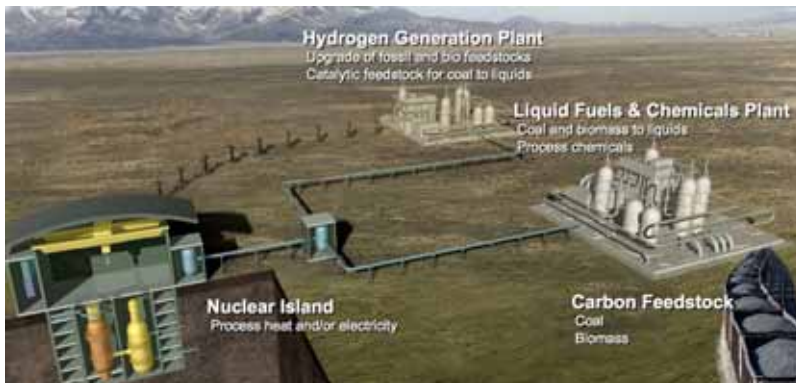
**National Association of Regulatory
Utility Commissioners
February 13, 2010**



Office of Nuclear Energy Mission



- The primary mission of NE is to advance nuclear power as a resource capable of making major contributions in meeting the nation's energy supply, environmental, and energy security needs by resolving technical, cost, safety, security and regulatory issues, through research, development, and demonstration (RD&D).
- Objective is to enable the development and deployment of fission power systems for
 - Production of electricity (MWh)
 - Process heat (BTUs)





FY 2011 Budget Request

Total Nuclear Energy and Other Defense Activities (NE) Appropriations

FY 2010 Appropriation: \$869,995,000

FY 2011 Request: \$912,252,000

This represents an increase of 5%.

Volume 7, Page 12

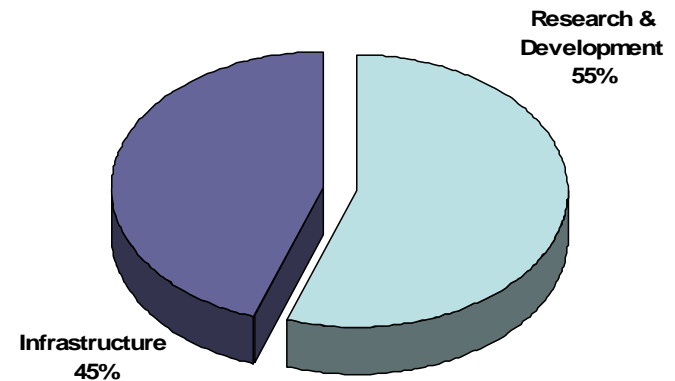


FY2011 Budget Request Breakdown (\$K)

| Program: | FY 2010 Approp | FY 2011 Request |
|--|-------------------|----------------------|
| <u>Research & Development</u> | | |
| Nuclear Energy Enabling Technologies | 0 | 99,300 ^a |
| Integrated University Program | 5,000 | 0 |
| Re-Energise | 0 | 5,000 |
| Reactor Concepts RD&D | 0 | 195,000 ^a |
| Generation IV Nuclear Energy Systems | 220,137 | 0 |
| Nuclear Power 2010 | 105,000 | 0 |
| Fuel Cycle Research and Development | 136,000 | 201,000 ^a |
| International Nuclear Energy Cooperation | 0 | 3,000 |
| <u>Infrastructure</u> | | |
| Radiological Facilities Management | 72,000 | 66,818 |
| Idaho Facilities Management | 173,000 | 162,482 |
| Idaho Sitewide S&S | 83,358 | 88,200 |
| Program Direction | 73,000 | 91,452 |
| <u>Congressionally Directed Projects</u> | 2,500 | 0 |
| Total NE: | 869,995 | 912,252 |

FY 2011 Funding

Total: \$912,252



a) up to 20% of R&D funds are competitively awarded to universities



U.S. DEPARTMENT OF
ENERGY

Nuclear Energy

FY 2011 Budget Request

“NE will lead future waste management activities including activities associated with the planned Blue Ribbon Commission and oversee ongoing responsibilities under the Nuclear Waste Policy Act.”

Volume 7, Page 13



U.S. DEPARTMENT OF
ENERGY

Nuclear Energy

FY 2011 Budget Request

“The Department requests \$36 billion in Nuclear Power loan guarantee authority in FY 2011 with credit subsidy costs to be paid by the borrower.”

Volume 2, Page 261



FY 2011 Budget Request

“...the Department will discontinue its application to the U.S. Nuclear Regulatory Commission for a license to construct a high-level waste geologic repository at Yucca Mountain...”

“...the Office of Civilian Radioactive Waste Management will be eliminated by the end of FY 2010.”

Volume 7, Page 176