



U.S. Department of Energy
Office of Civilian Radioactive Waste Management

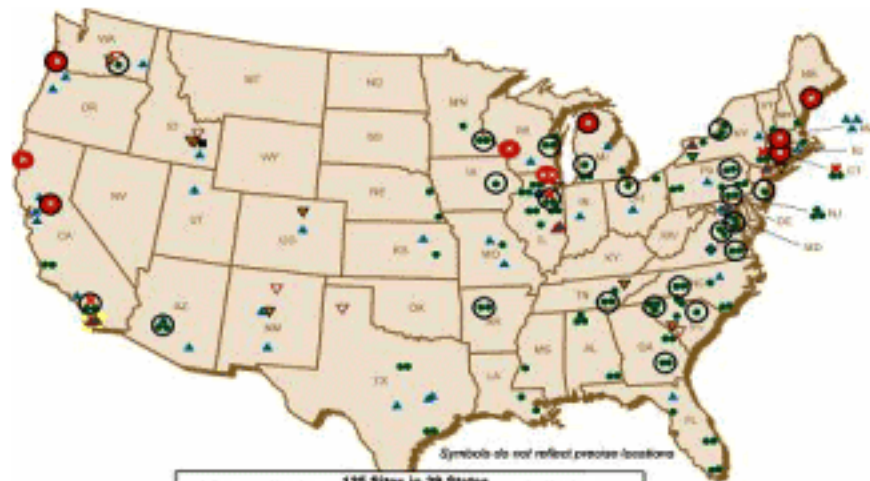


FY 2006 Budget Rollout

Dr. Margaret S.Y. Chu
February 7, 2005

Mission and Priorities

- **Mission:** *Our mission is to manage and dispose of high-level radioactive waste and spent nuclear fuel in a manner that protects health, safety, and the environment; enhances national and energy security; and merits public confidence.*
- **Priorities:**
 - After 20 years and \$7 billion of scientific study, Congress **passed a joint resolution** to designate the Yucca Mountain site for repository development and move ahead to submit a license application for repository construction authorization.
 - Protecting public health, safety, and the environment remain our top priorities.



125 Sites in 39 States	
Commercial Reactors including: <ul style="list-style-type: none">● operating reactors● shutdown reactors of operating reactor sites● shutdown reactors of shutdown reactor sites where SNF could be removed after repository opening	Research Reactors including: <ul style="list-style-type: none">▲ operating reactors▲ shutdown reactors with SNF on site
● Commercial SNF Fuel Storage (away-from-reactor)	▼ DOE-Owned SNF and HLW
○ Commercial Dry Storage Sites	▼ Commercial HLW
● Highly Enriched Uranium at Shutdown Site	▼ Surplus Plutonium
	■ Naval Reactor Fuel

Current locations of spent nuclear fuel (SNF) and high-level radioactive waste (HLW) destined for geologic disposal:

[125 sites in 39 states](#)



Program FY 2006 Objectives

- **Complete and submit a high quality license application to the Nuclear Regulatory Commission (NRC) and ready to defend it**
- **Ramp-up repository readiness through more detailed design and safety upgrade of infrastructure**
- **Ramp-up the transportation project by focusing on readiness of Nevada Rail**
- **Ramp-up waste acceptance readiness through systems integration**
- **Fulfill President's Management Agenda by continuing to implement business process improvements**



FY 2006 Yucca Mountain Key Activities

- **Complete a robust license application for submission to the NRC.**
- **Conduct analyses for timely NRC review of license application**
- **Continue design of facilities and Engineered Barriers**
- **Upgrades to physical plant, maintenance, and health and safety enhancements for operations readiness**



FY 2006 Transportation Key Activities

- Complete rail alignment final Environmental Impact Statement (EIS) and issue record of decision
- Issue a design/build contract for Nevada Rail
- Continue cask design and certification
- Continue design, fabrication, and testing of prototype railcars to meet Association of American Railroads standards
- Expand institutional interactions as part of implementation of NWPA Section 180(c)



FY 2006 Program Management & Integration Key Activities

- **System enhancement and cost reduction activities will optimize the national disposal system through application of advanced technologies, investigation methods, and analytic tools**
- **Prepare for waste acceptance by ensuring institution of the procedures, technical acceptance criteria, and quality assurance programs**
- **Enhance system engineering & analysis activities in order to support increasingly detailed repository and transportation designs**
- **Continue to implement business process improvements to address President's Management Agenda**



FY 2006 Budget Request Summary (dollars in millions)

	FY 2005 Approp	FY 2006 Request
Yucca Mountain	\$ 413.0	\$ 427.3
Transportation	30.7	85.4
Prog Mgmt & Integration/Prog Direction	128.6	138.7
TOTAL PROGRAM	572.4	651.4
Nuclear Waste Fund	343.0	300.0
Defense Nuclear Waste Disposal	229.0	351.4

