



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



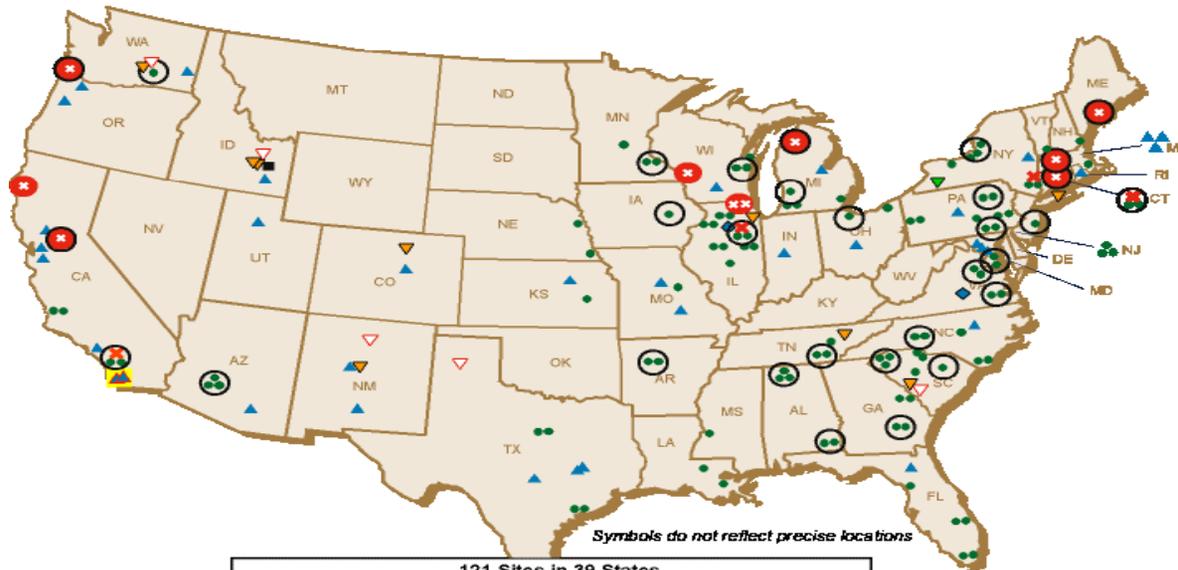
FY 2008 Budget Rollout

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OCRWM Mission

- **Mission:** Manage and dispose of HLW and SNF in a manner that protects public health, safety, and the environment; enhances national and energy security; and merits public confidence.
- Develop the Yucca Mountain Repository and related infrastructure to safely and permanently dispose of our Nation's HLW and SNF currently being stored at 121 sites in 39 states.



121 Sites in 39 States	
Commercial Reactors including:	Research Reactors including:
● - operating reactors	▲ - operating reactors
✖ - shutdown reactors at operating reactor sites	▲ - shutdown reactors with SNF on site
✖ - shutdown reactors at shutdown reactor sites where SNF could be removed after repository opening	▼ DOE-Owned SNF and HLW
◆ Commercial SNF Pool Storage (Away-From-Reactor)	▼ Commercial HLW
○ Commercial Dry Storage Sites	▽ Surplus Plutonium
■ Highly Enriched Uranium at Shutdown Site	■ Naval Reactor Fuel

As of February 2006



Program Strategic Objectives

License Application

- **Submit a high-quality License Application to the NRC no later than June 30, 2008.**

Transportation

- **Develop and begin implementation of a comprehensive National Transportation Plan that accommodates state, local and tribal concerns and input to the greatest extent practicable.**

Staffing

- **Design, staff and train the OCRWM organization so it has the skills and culture needed to design, license, and manage the construction and operation of the Yucca Mountain Project with safety, quality, and cost effectiveness.**

Liability

- **Address the Federal Government's contractual obligations to move spent fuel from nuclear plant sites.**



Program Key Milestones*

- **License Application Design Complete- November 2007**
- **LSN Certification- December 2007**
- **Supplemental Repository EIS- May 2008**
- **License Application Submittal- June 2008**
- **YM Construction Authorization- September 2011**
- **Operating License Submittal- March 2013**
- **Commence Repository Operations- March 2017**

* These milestones are based on a best-achievable schedule and are dependent upon appropriations consistent with optimum project execution, the timely issuance of all necessary authorizations and permits, the absence of litigation-related delays and enactment of the legislation proposed by the Administration last year.



FY 2008 Yucca Mountain Key Activities

License Application

- **Submit the License Application by June 30, 2008.**
- **Certify License Support Network (LSN) by December 2007.**
- **Prepare for the defense of the License Application after submission.**

Repository Development

- **Improve existing site infrastructure and operations to ensure worker, regulator, and visitor safety and operational efficiency.**
- **Continue planning and design for facilities required for the receipt of SNF and HLW for emplacement in the repository.**
- **Continue to implement a canistered approach for fuel handling.**
- **Complete Supplemental Yucca Mountain Repository EIS.**



FY 2008 Transportation Key Activities

- **Complete Supplemental Yucca Mountain Rail Corridor and Rail Alignment EIS.**
- **Develop a preliminary plan for the transportation infrastructure necessary to safely and securely move SNF and HLW.**
- **Continue essential interactions needed to support National Transportation Plan activities.**
- **Begin design of Nevada Rail Line.**



FY 2008 Program Management & Integration Key Activities

Organization

- Design and implement revised business processes to increase quality and efficiency and reduce costs.
- Further develop the senior management team for long term program success.
- Strengthen business planning and project execution.
- Improve human performance management processes.



Program Funding

- Congress established the Nuclear Waste Fund to provide funding for repository development and operations
- Utilities pay 1 mil per kilowatt-hour fee on electricity generated and sold from nuclear power plants
 - Revenues average \$750 million per year
 - \$14.8 billion in fees paid to date
- Excess funds invested in Treasury securities
 - \$11.2 billion in interest earned to date
- Market value of the Fund is \$19.5 billion as of December 2006
- Annual funding for the program must compete with all other Federal programs for dollars, limiting the funds' use for its intended purpose



Government Liability

- **Court ruled in 1997 that DOE is liable for damages incurred due to the failure to begin disposal of spent nuclear fuel commencing in 1998.**
- **Government has settlements with over 20% of the industry.**
- **56 lawsuits remain pending against the Government for damages for delay.**
- **Department estimates the Federal Government's liability could be approximately \$7 billion (plus \$500 million or more for each additional year of delay in the opening of the repository).**



FY 2008 Budget Request Summary (dollars in millions)

	FY 2007 Request	FY 2008 Request
Yucca Mountain	\$ 355.4	\$ 378.4
Transportation	67.7	15.0
Prog Mgmt & Integration/Prog Direction	121.4	101.1
TOTAL PROGRAM	544.5	494.5
Nuclear Waste Fund	156.4	202.5
Defense Nuclear Waste Disposal	388.1	292.0



Summary

- **Submitting a high quality License Application is a critical next step in the Project's development.**
- **Creating a robust nuclear culture is key to obtaining an NRC license.**
- **Advanced planning and near term stakeholder interactions set the stage for transportation and operations.**
- **Department is committed to the development of Yucca Mountain as a geologic repository.**
- **Ability to have access to Waste Fund revenues and eventually to the Waste Fund principal is key to the opening the repository in 2017 and minimizing taxpayer liability.**

