

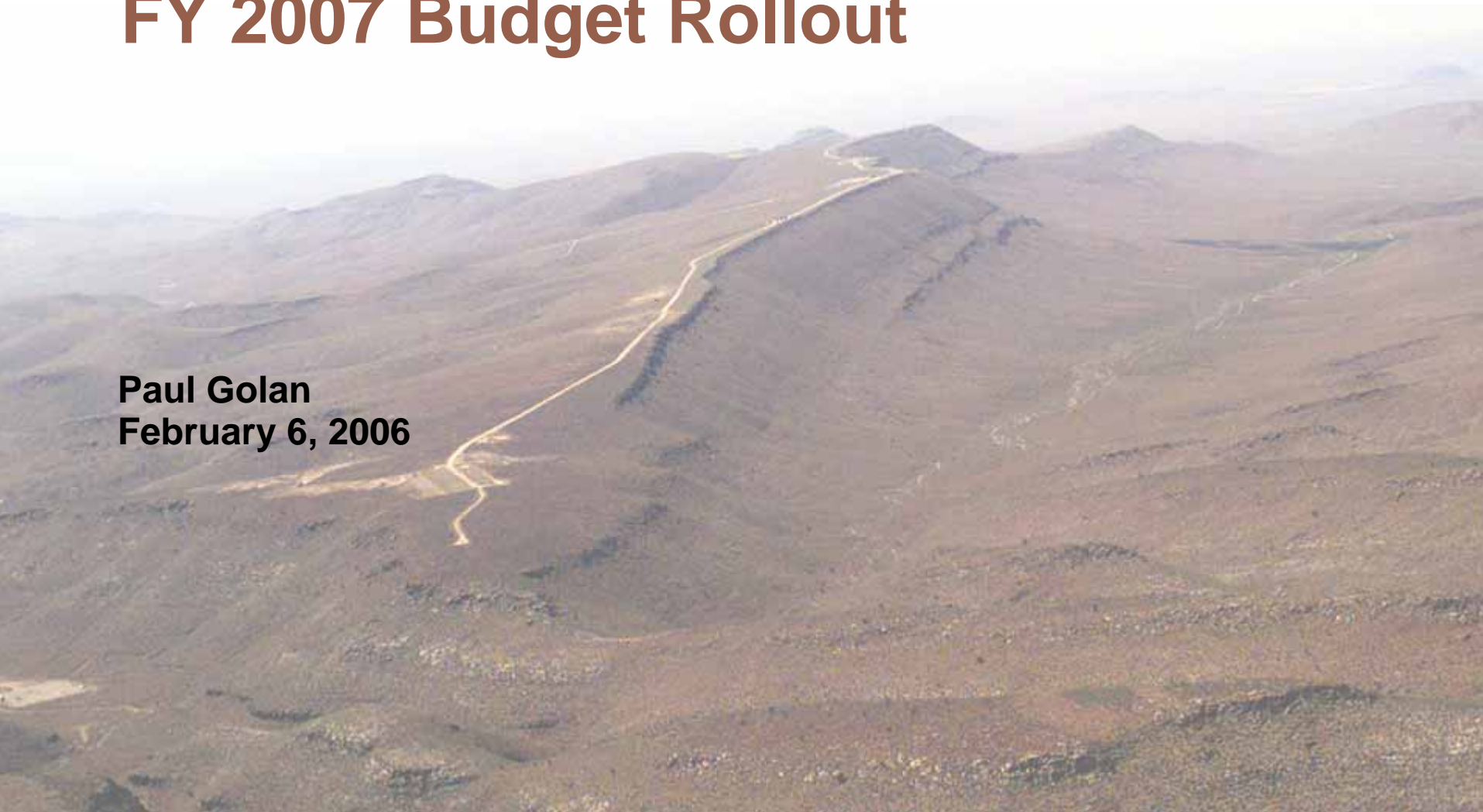


U.S. Department of Energy  
Office of Civilian Radioactive Waste Management



# FY 2007 Budget Rollout

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# Mission and Priorities

- **Mission:** *Develop the Yucca Mountain Repository and related infrastructure to safely and permanently dispose of our Nation's spent nuclear fuel and high-level radioactive waste currently being stored at 122 sites in 39 states*
- **Priority:** Develop License Application that will allow Nuclear Regulatory Commission to issue construction authorization and license to receive and possess waste



As of October 2005



# Program FY 2007 Objectives

- **Develop a License Application for submission to the NRC based on a safer and simpler approach to handling spent nuclear fuel and operating the repository known as the *clean-canistered* approach**
- **Develop a nuclear safety culture of the highest standards that demonstrate we have earned the trust required to conduct nuclear operations**
- **Develop the transportation infrastructure through necessary long-lead procurement actions, and continued rail line development**
- **Improve Yucca Mountain site infrastructure to ensure worker, regulator, and visitor safety**



# FY 2007 Yucca Mountain Key Activities

- **Continue design of clean-canistered based repository facilities**
- **Work with industry to complete the preliminary design for the Transportation, Aging and Disposal (TAD) standard canister**
- **Conduct additional pre-closure and post-closure safety analysis work to support the design basis**
- **Update license application as clean-canistered modifications mature to reflect additional analytical and design work**
- **Continue upgrades to communication, emergency response and workplace infrastructure**



# FY 2007 Transportation Key Activities

- **Issue Final Rail Alignment-Environmental Impact Statement and Record of Decision**
- **Develop impact mitigation plans along preferred alignment**
- **Continue the procurement process for truck and rail casks and associated specialized equipment and design & develop prototype of the rail car for security escorts**
- **Establish pilot emergency preparedness grant programs as part of NWPA Section 180(c) implementation**



# FY 2007 Program Management & Integration Key Activities

- **Utilize Sandia National Laboratories to manage and integrate scientific studies for the program**
- **Develop a nuclear safety culture, including improving design configuration control, effective issue resolution processes, and encouraging employees to identify issues**
- **Continue to implement project management improvements, including clear requirements definition and maintenance, and project control through earned value management system**



# FY 2007 Budget Request Summary (dollars in millions)

|  | FY 2006<br>Approp | FY 2007<br>Request |
|--|-------------------|--------------------|
| Yucca Mountain                             | \$ 305.9          | \$ 355.4           |
| Transportation                             | 19.9              | 67.7               |
| Prog Mgmt & Integration/Prog Direction     | 119.7             | 121.4              |
| Integrated Spent Fuel Recycling Facilities | 49.5              | 0.0                |
| <b>TOTAL PROGRAM</b>                       | <b>495.0</b>      | <b>544.5</b>       |
| Nuclear Waste Fund                         | 99.0              | 156.4              |
| Integrated Spent Fuel Recycling Facilities | 49.5              | 0.0                |
| Defense Nuclear Waste Disposal             | 346.5             | 388.1              |

