



U.S. DEPARTMENT OF  
**ENERGY**



## Update on the Office of Environmental Management

*Federal Facilities Task Force/  
State and Tribal Governments Working Group  
May 28, 2009*

**Dr. Inés R. Triay**

Assistant Secretary  
Office of Environmental Management



**EM** Environmental Management

safety ❖ performance ❖ cleanup ❖ closure

[www.em.doe.gov](http://www.em.doe.gov)

# EM Mission

***“Complete the safe cleanup of the environmental legacy brought about from five decades of nuclear weapons development, production, and Government-sponsored nuclear energy research.”***



- Largest environmental cleanup effort in the world, originally involving two million acres at 107 sites in 35 states
- Safely performing work
  - In challenging environments
  - Involving some of the most dangerous materials known to man
  - Solving highly complex technical problems with first-of-a-kind technologies
- Operating in the world’s most complex regulatory environment
- Supporting other continuing DOE missions and stakeholder partnerships



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# *EM Program Priorities*

- Reducing risk while maximizing compliance with regulatory commitments
  - Ensure the safety and health of the public and the workers
  - Protect the Environment
  - 37 compliance agreements with state and federal regulatory agencies
- Completing the capability to disposition tank waste and nuclear materials
  - Improve construction project performance
- Consolidating and preparing for disposal of surplus plutonium and spent nuclear fuel
- Continued shipment of remote-handled (RH) and contact-handled (CH) transuranic (TRU) waste to the Waste Isolation Pilot Plant
- High priority soil and groundwater remediation



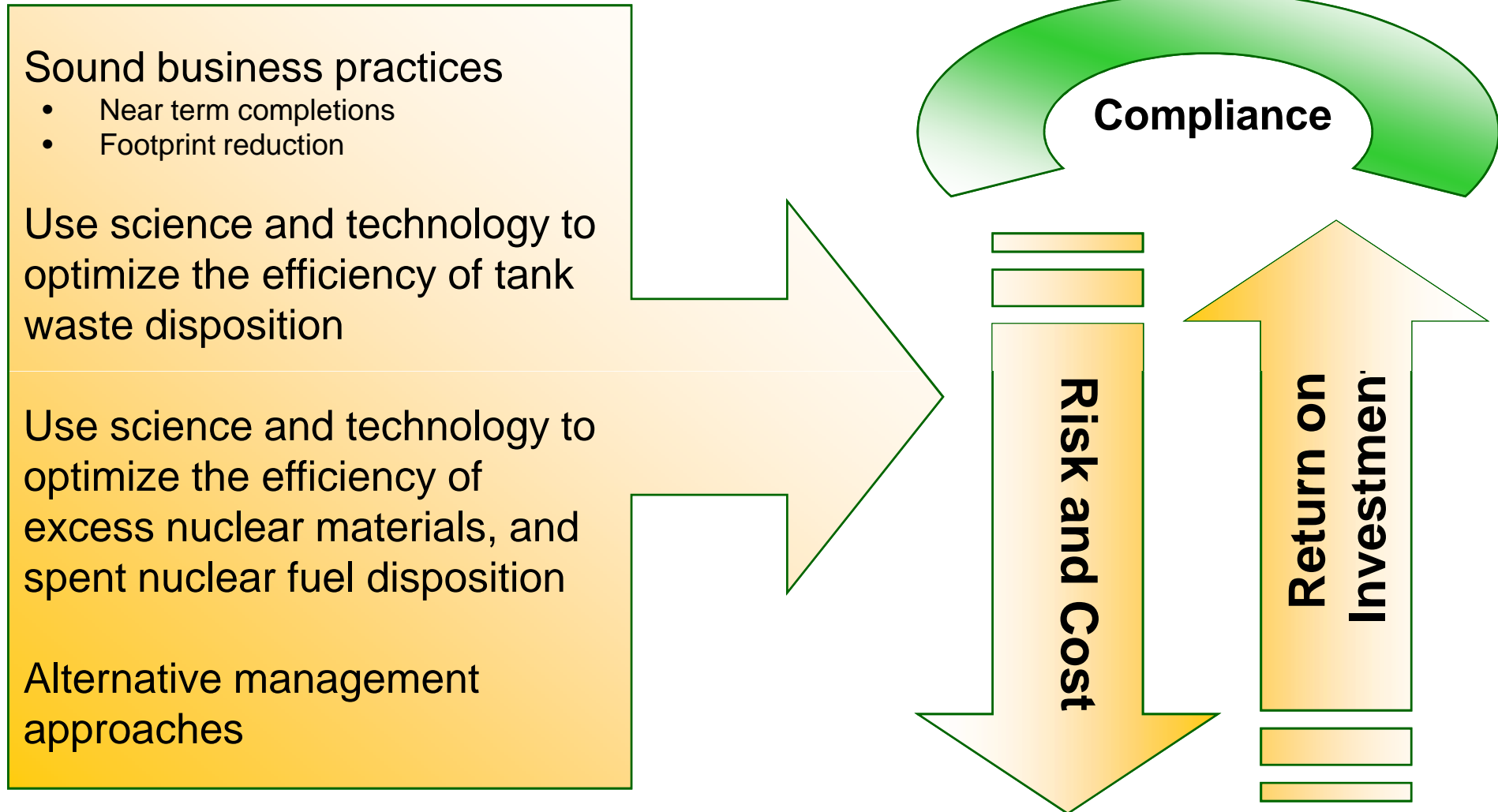
# *EM Program Priorities*

- Footprint Reduction
  - Reduce the active area and number of sites
  - Provide maximum return on money invested in EM – reduces overall life-cycle cost of cleanup program
  - Focus on proven successes – solid waste disposal, deactivation and decommissioning (D&D) of contaminated facilities, and soil and groundwater remediation
  - Create thousands of jobs through economic recovery investment



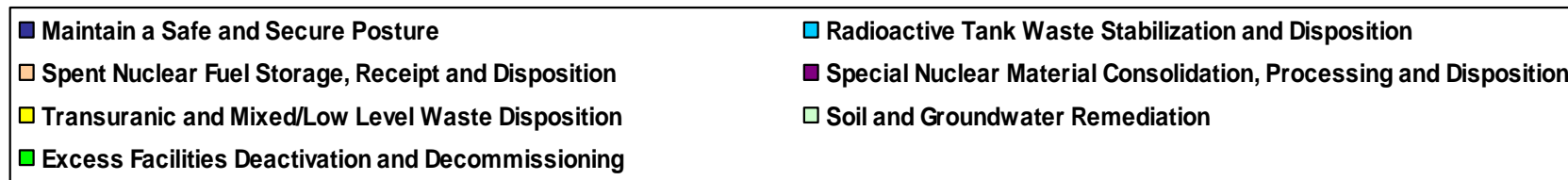
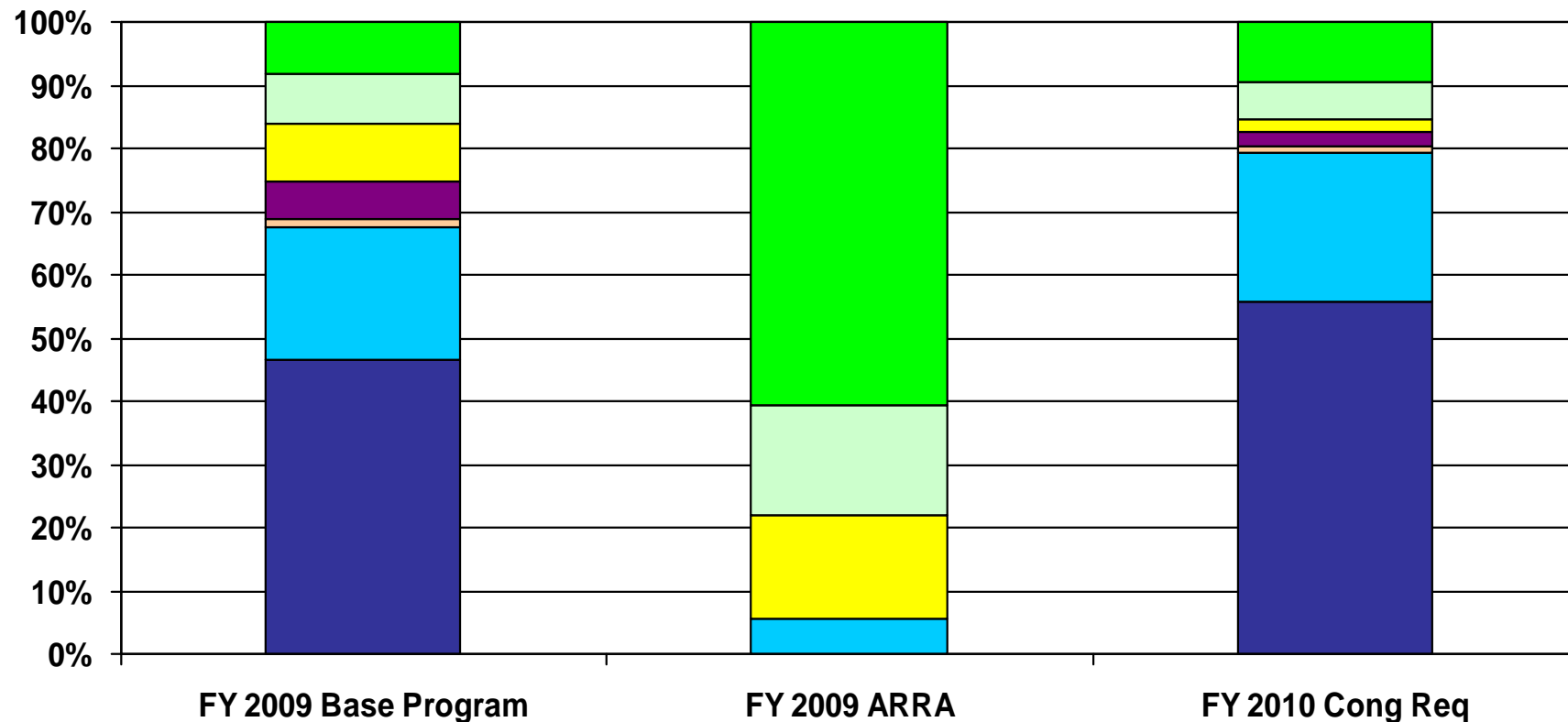


# Goal Attainment

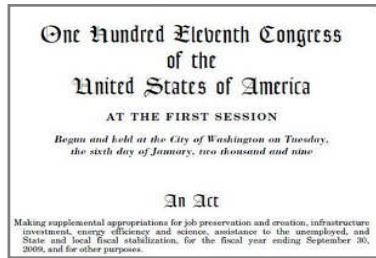


# Delivering on Commitments:

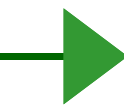
## Risk Reduction, Strengthen Technology and Sound Business Practices



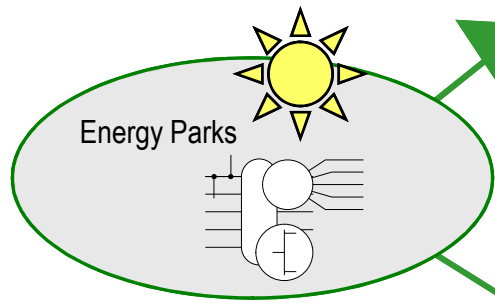
# Footprint Reduction



## Recovery Act

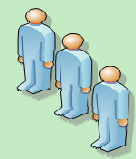
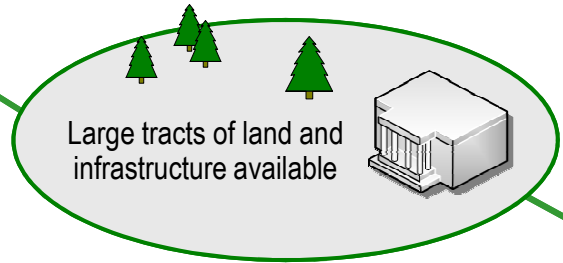


**EM Footprint Reduction, small site completions, and other investment opportunities**



## Clean, Diverse Energy Sources

- Energy security
- Establish long-term site mission
- Sustainable jobs



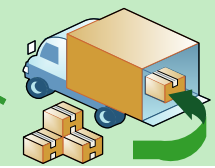
**Jobs created**



**Lifecycle cost reduced**



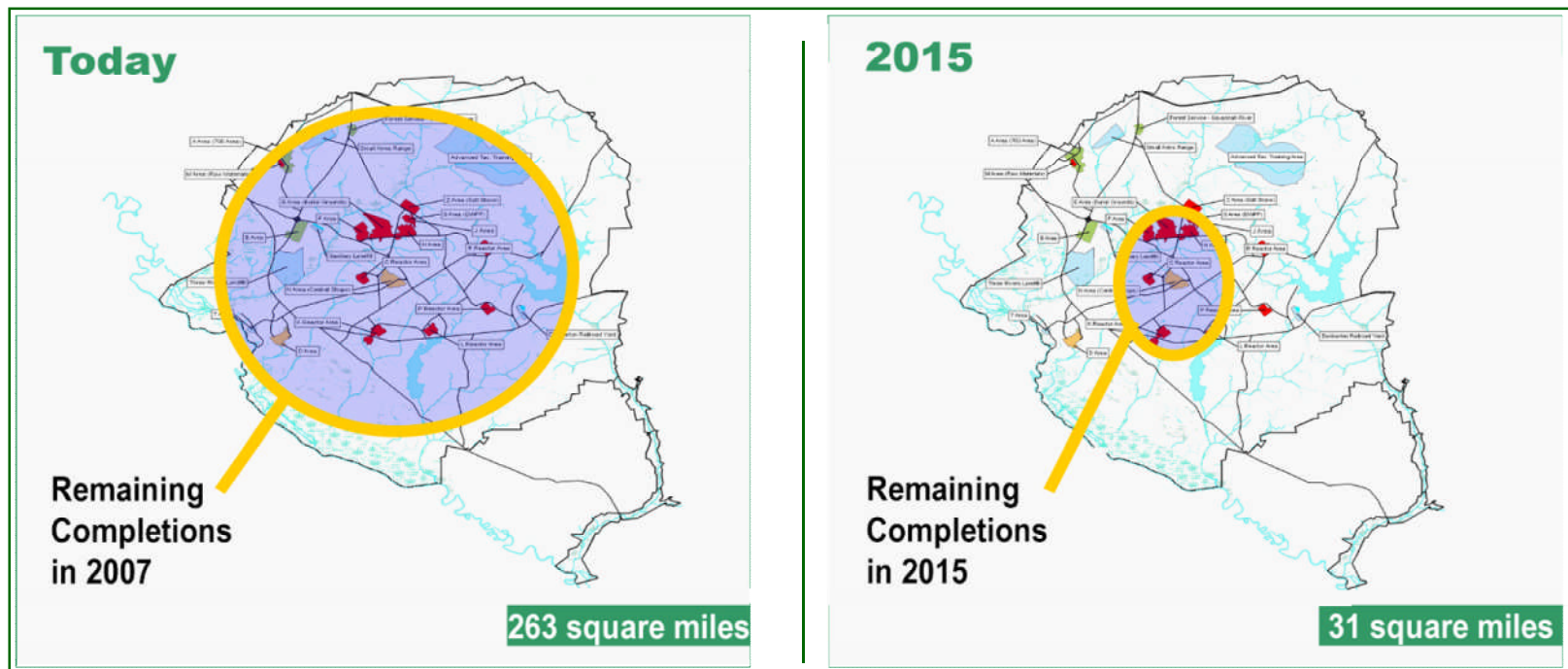
**Environment protected**



**Footprint reduced**

# Footprint Reduction – Savannah River Site

- Focus on Area Closures—soil and ground water remediation
- Accelerate entombment of production reactors
- Reduces environmental risk with large return on investment
- Results in roughly 90 percent reduction of the site footprint



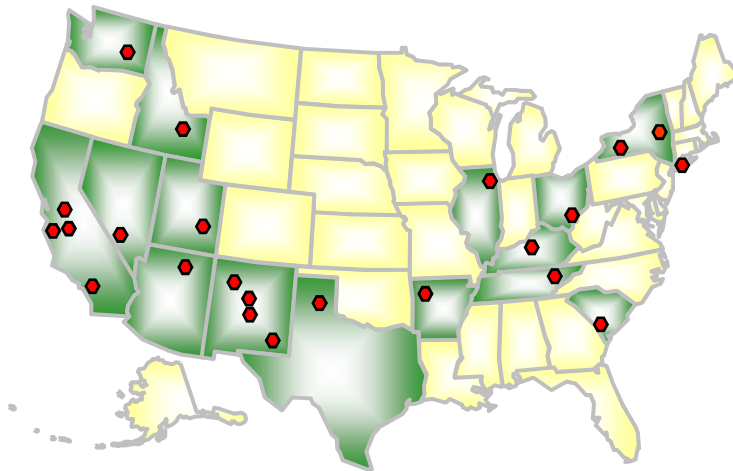
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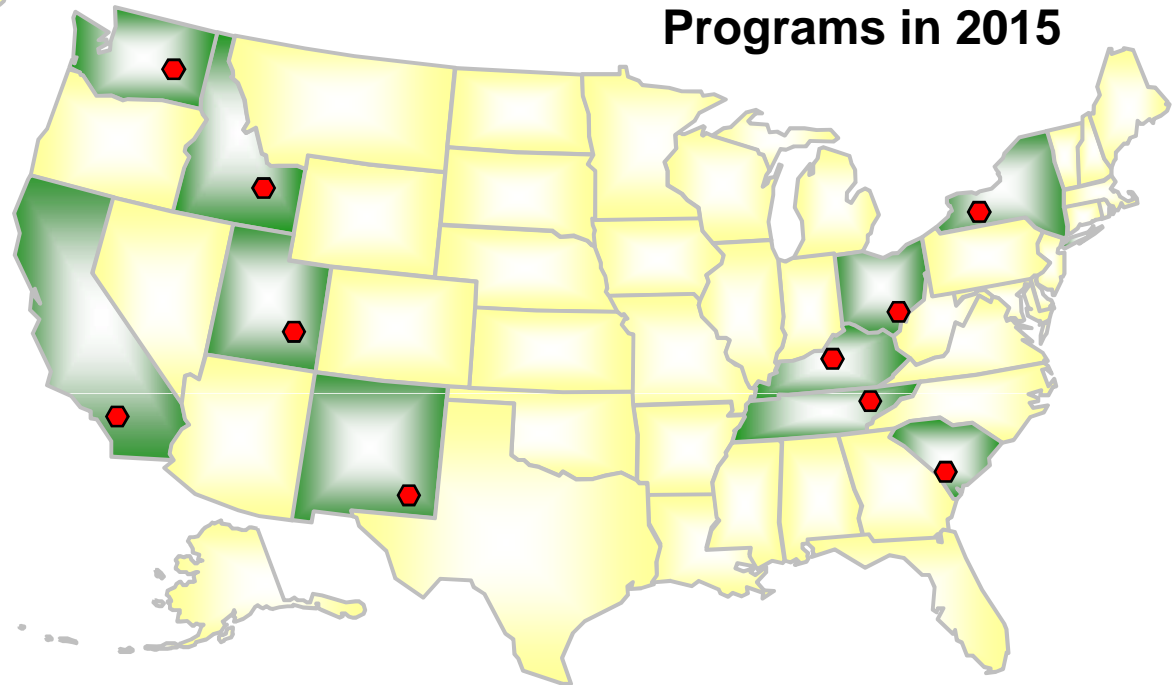
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# Small Site Near-Term Completion



**Sites with Active EM Programs in 2008**



**Sites with Active EM Programs in 2015**

**Cleanup activities at 23 sites in 15 states – to 10 sites in 10 states  
Reduce EM footprint from 900 square miles to 135 square miles  
Significant reduction in life-cycle cost**

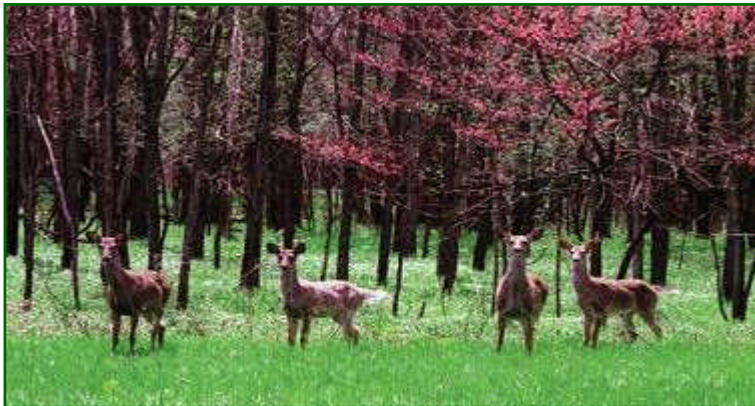


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# Reutilization of Assets/Energy Parks



- Energy Parks Initiative (EPI) will convert EM liabilities (contaminated sites, facilities, and materials) into assets to solve critical national energy issues
- EPI can demonstrate effective partnering of DOE, other Federal agencies, private industry, state and local governments, and local communities
- EPI can preserve and enhance economies of state and local host communities of DOE/EM sites with energy reindustrialization

**EM's unique resources can be leveraged to address some of the Nation's energy security and climate change concerns**



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# The Challenge: Continuing Progress on Overall EM Program



- Safely conducting work while maximizing compliance
- Managing performance-based projects with life cycles over several decades
- Producing results with robust project management practices
- Applying first-of-a-kind technologies
- Achieving footprint reduction and near-term completions
- Managing and maintaining an “able and stable” workforce
- Using Recovery Act funds to create environmental cleanup jobs



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# *FFTF/STGWG Identified Issues*

- Budget and Compliance
- Waste Disposition and Natural Resource Damage Assessment Activities
- ARRA and Contract Awards
- Geologic Repository



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# *Tribal Update*

- DOE Order 144.1: American Indian Tribal Government Interactions and Policy
- Tribal Training Module
- Tribal Summit

*EM is committed to government-to-government consultation with Tribal nations to enhance EM decision-making and protect Tribal rights and interests.*



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