

EM Program Planning and Budget

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M Environmental Management safety * performance * cleanup * closure

EM Mission

"Complete the safe cleanup of the environmental legacy brought about from five decades of nuclear weapons development, production, and Governmentsponsored nuclear energy research."





- Largest environmental cleanup effort in the world, originally involving two million acres at 108 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

EM Life-cycle Cost





EM Life-cycle Cost

Evolution of EM Life-cycle Cost



EM Life-cycle Cost

Evolution of EM Life-cycle Cost

1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
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EM Funding History

\$ in billions



Top-Level Goals

- Risk Reduction
 - Ensure the safety and health of the public and the workers
 - Protect the environment
- Compliance
 - 37 compliance agreements with state and federal regulatory agencies
- Complete building the capability for dispositioning tank waste, nuclear materials, and spent nuclear fuel
 - Improve construction project performance
- 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, D&D of contaminated facilities, and soil and groundwater remediation
 - Create thousands of jobs through economic recovery investment
- Reutilization of Assets/Energy Parks
 - Transform EM resources: land, infrastructure, technologies, highly-skilled workforce into Energy Parks

Cleanup Approach

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Program Priorities

- Essential activities to maintain a safe and secure posture in the EM complex
- Radioactive tank waste stabilization, treatment, and disposal
- Spent nuclear fuel storage, receipt, and disposition
- Special nuclear material consolidation, processing, and disposition
- High priority groundwater remediation
- Transuranic and mixed/low-level waste disposition
- Soil and groundwater remediation
- Excess facilities deactivation and decommissioning (D&D)



Recovery Act Priorities

- Maximum return on money invested
- "Shovel Ready" Projects
 - Fully defined cost, scope and schedule
 - Established regulatory framework
 - Proven technology
 - Proven performance
- Contractual mechanisms in place
 - Ability to deploy resources quickly and accountability for results
- Ability to place "Boots on the Ground"
 - Create and / or preserve jobs



Recovery Act Scope

- Scope that can most readily be accelerated to take advantage of Recovery Act funds
 - Soil and water remediation
 - Radioactive waste disposition
 - Facility decommissioning
- Site closure and EM completions
- Reduce the EM footprint
 - Across the complex
 - Within a site



Recovery Act Status

- Aggressive implementation—ARRA funding within two weeks
- Opportunities identified at 17 sites in 12 states meeting ARRA principles (totaling \$6B through FY 2011)
 - ARRA proposals developed by sites with site priorities in mind
 - ARRA proposals accelerate work activities that have compliance milestones associated with them
 - Flexibility in work scope, but first and foremost, ARRA funds are about job creation
- Applying Project Management Principles
 - Graded approach





- EM has been given the opportunity to make additional investments in lower risk activities and complete building the capability for dispositioning tank waste, nuclear materials, and spent nuclear fuel
- With the additional funding EM will be expected to achieve results
 - Create and preserve thousands of jobs
 - Provide significant environmental cleanup
 - Make large tracts of land available for re-utilization

