



U.S. DEPARTMENT OF  
**ENERGY**



# The Office of Environmental Management FY 2011 Research and Development Funding

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**EM** Environmental Management

safety ❖ performance ❖ cleanup ❖ closure

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

# EM- Top Level Goals

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## ➤ Compliance and Cleanup Scope

Perform work in accordance with 37 compliance agreements with state and federal regulatory agencies

## ➤ Project Management

Improve construction project performance

## ➤ Footprint Reduction

Reduce the active area and number of sites

## ➤ Science and Technology

Use science and technology development to improve cost and schedule performance.



# EM R&D is prioritized based on:

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1. Radioactive tank waste stabilization, treatment, and disposal
2. Spent Nuclear Fuel storage, receipt, and disposition
3. Special Nuclear Material consolidation, processing, and disposition
4. High priority groundwater remediation
5. Transuranic and mixed/low-level waste disposition
6. Soil and groundwater remediation
7. Excess facilities Decontamination & Decommissioning



# Office of Technology Innovation & Development

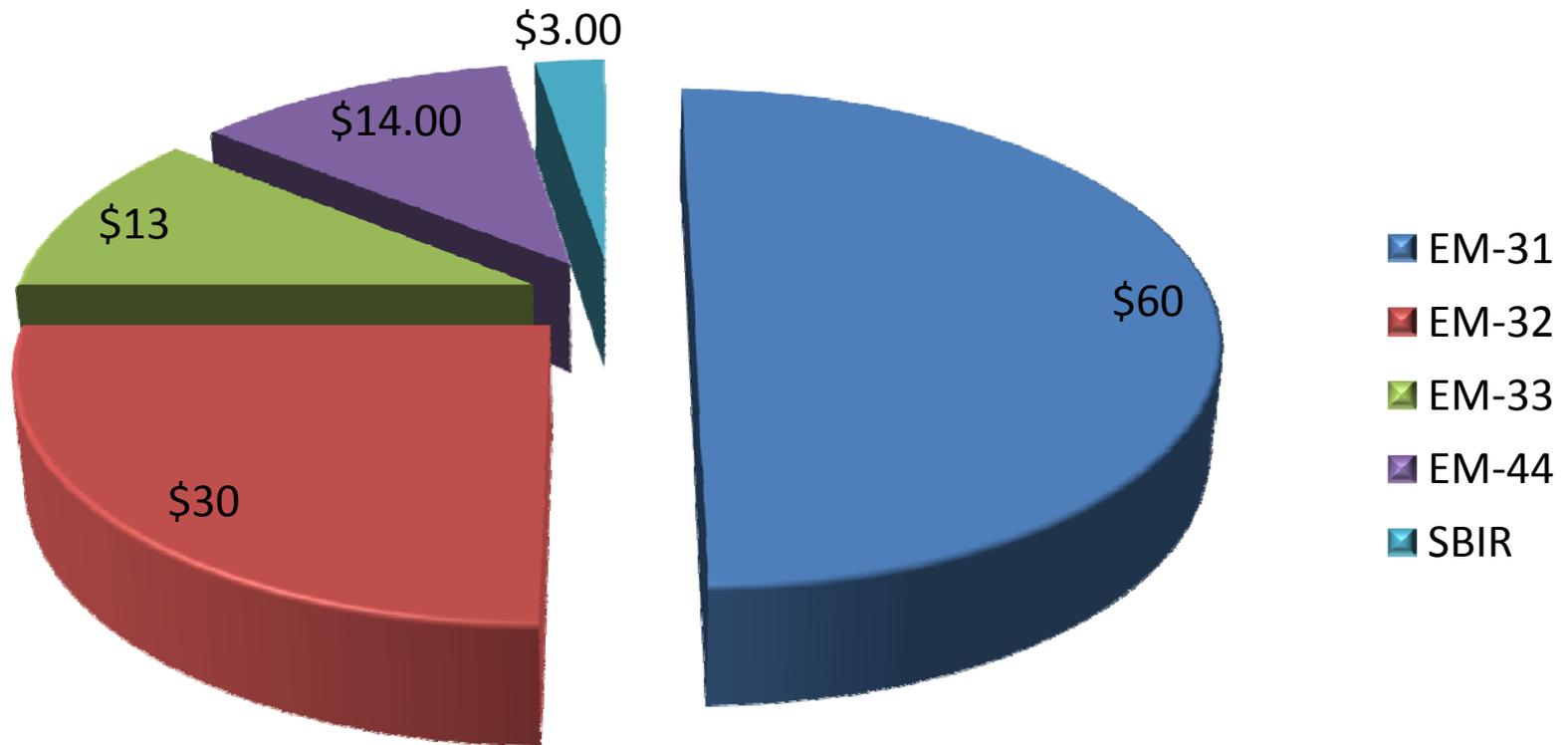
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- **Mission:** Transform science and innovation into practical solutions for environmental clean-up.
- **Vision:** Through leadership in *integration*, *collaboration* and *communication*, we will accelerate environmental clean-up and reduce costs.



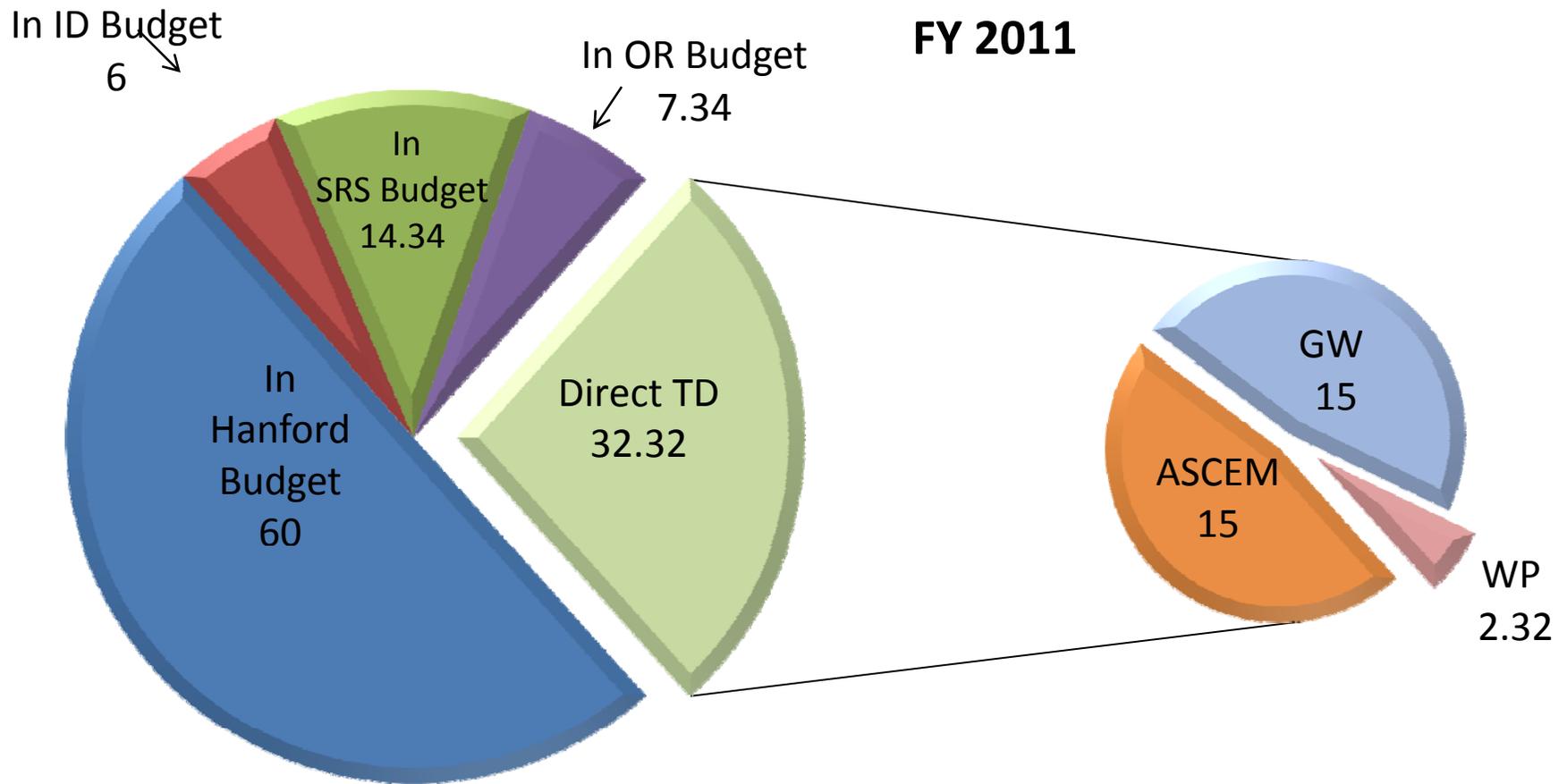
# FY11 Proposed Technology Funding

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# 2% of EM Budget For Technology Development

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# EM R&D Plan

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- Identifies all EM Technology Development task areas
- Focuses on integration, collaboration and communication
- Leverages investment with international partners and other DOE offices



*EM Environmental Management*

safety ❖ performance ❖ cleanup ❖ closure

# Summary

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- Transitioned to transformational technology focus aligned with identified technology gaps.
- Identified & funded work to advance technologies to reduce technical risk and improve project performance with respect to both cost and schedule.
- The DOE-EM R&D program has been estimated to provide \$41 to \$46 B of life-cycle cost savings to the Department.

