



U.S. DEPARTMENT OF
ENERGY



Office of Environmental Management Program Update

Dr. Inés Triay
Assistant Secretary
Environmental Management

Environmental Management Advisory Board
Public Meeting
March 31, 2010



EM *Environmental Management*

safety ❖ performance ❖ cleanup ❖ closure

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Journey to Excellence

Our Vision:

“EM completes quality work safely, on schedule and within cost, and delivers demonstrated value to the American taxpayer.”



Assistant Secretary

Principal Deputy Assistant Secretary

**Chief
Technical
Officer**

**Chief
Business
Officer**



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EM Mission and Priorities

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



- Safe, secure, and compliant
- Tank waste
- Spent nuclear fuel storage
- Special nuclear material
- Transuranic and mixed/low-level waste
- Soil and groundwater remediation
- Deactivation and decommissioning (D&D)



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EM Program Goals and Strategies

PROGRAM GOALS:

- Risk Reduction
- Maintain Compliance
 - American Recovery and Reinvestment Act (ARRA)
- Improve Project Performance
- Establish Strategic Options

STRATEGIES:

- Safety Performance
- Project Management
- Management and Leadership Excellence
- Headquarters and Field Alignment
- Science and Technology

DISCUSSION TOPICS:

- EM Safety
- EM Budget Summary
- Technology & Risk Reduction
- EMAB Focus Areas

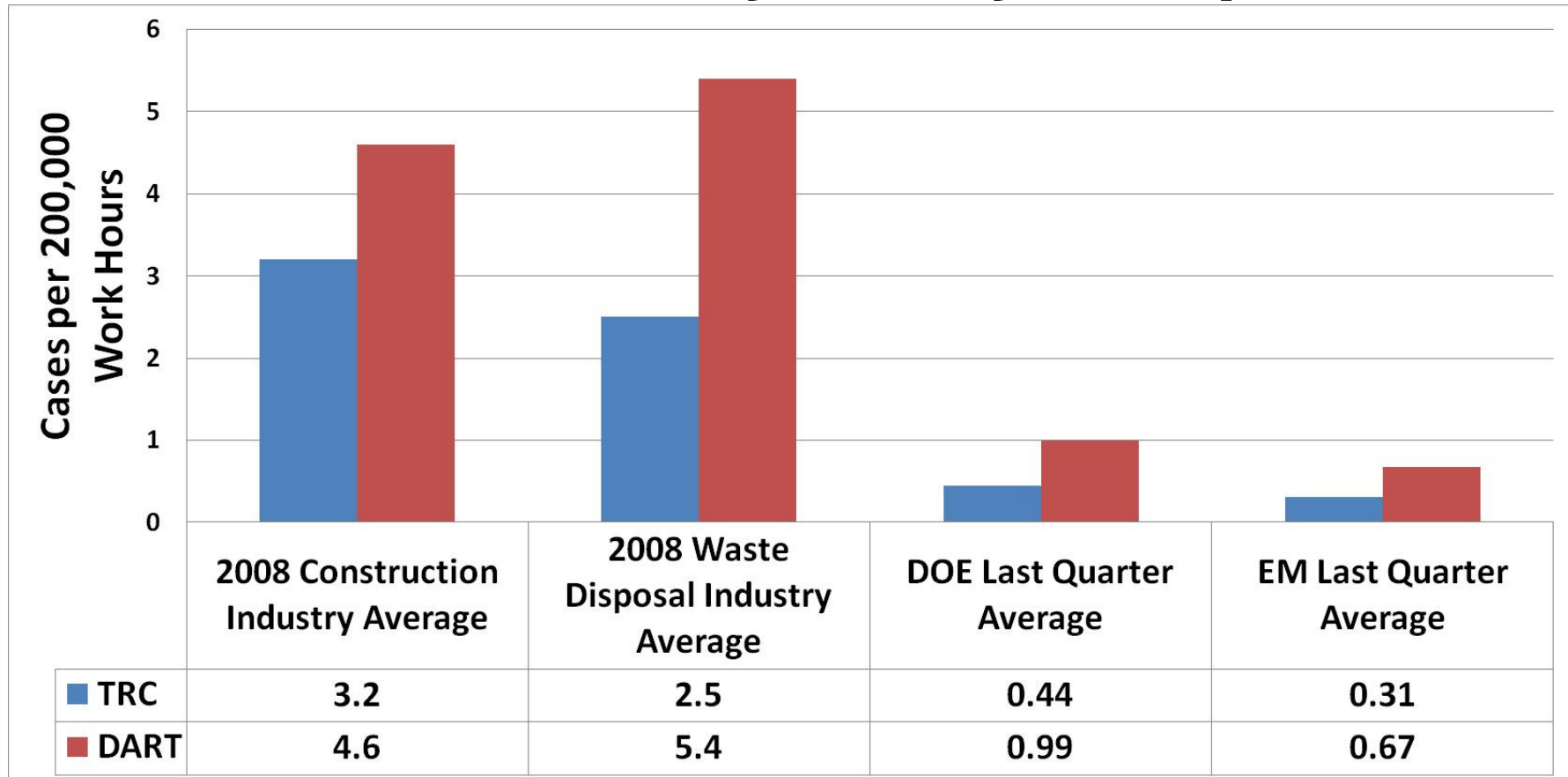


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EM Safety

DOE / EM / Industry Safety Comparison



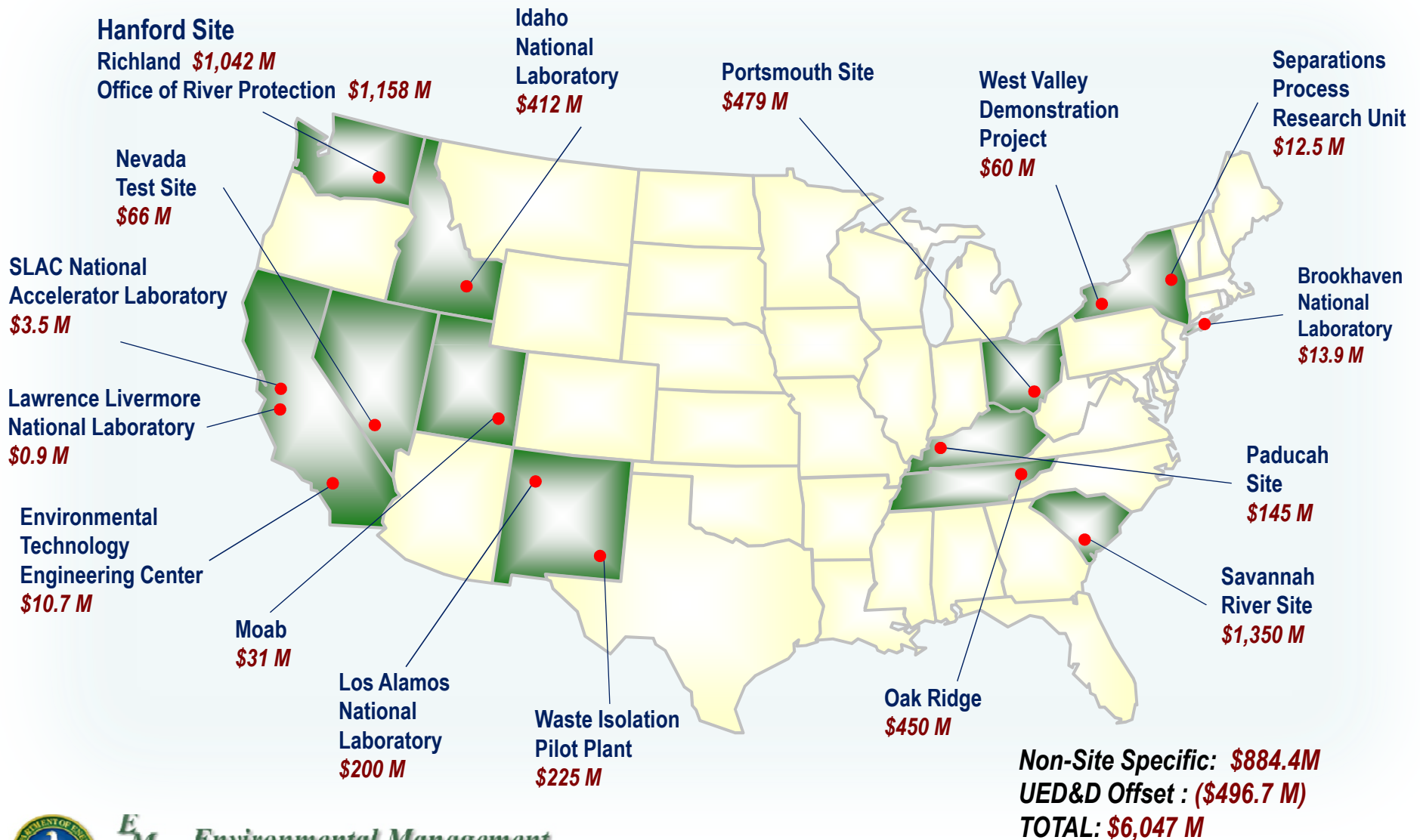
Total Recordable Cases (TRC), Occupational Injury Safety Days Away from work, Restricted, or on job Transfer (DART)



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FY 2011 Congressional Request by Site



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Technology to Reduce Risk

Increased Technology Investments

- Tank Waste
Technologies

The Sand Mantis



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Focus Areas for EMAB

- Human Capital
- Acquisition, Project Management, and Quality Assurance
- Energy Parks Initiative
- American Recovery and Reinvestment Act



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Human Capital - Our Greatest Asset

- Leadership:
360 degree reviews for
SES & Supervisors and
MIT Leadership
Assessment Program
- Staff:
Reassignment
opportunities to gain
further knowledge and
experience
- Resources:
Training programs and
better policies,
procedures, and
appraisal processes



- Future Leaders Programs:
Ines with DOE Fellows at 2010
Waste Management Symposium



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Improving Project Management

Restructure EM's Project Portfolio

- Focus on Capital Asset Project Delivery
- Construction Project Reviews
 - Life of Project Reviews—Baseline to Completion
 - All Line Item and Significant Projects to be Reviewed
- Operations Activities and Programs

**Goal: Earn our way off the
GAO High Risk List**

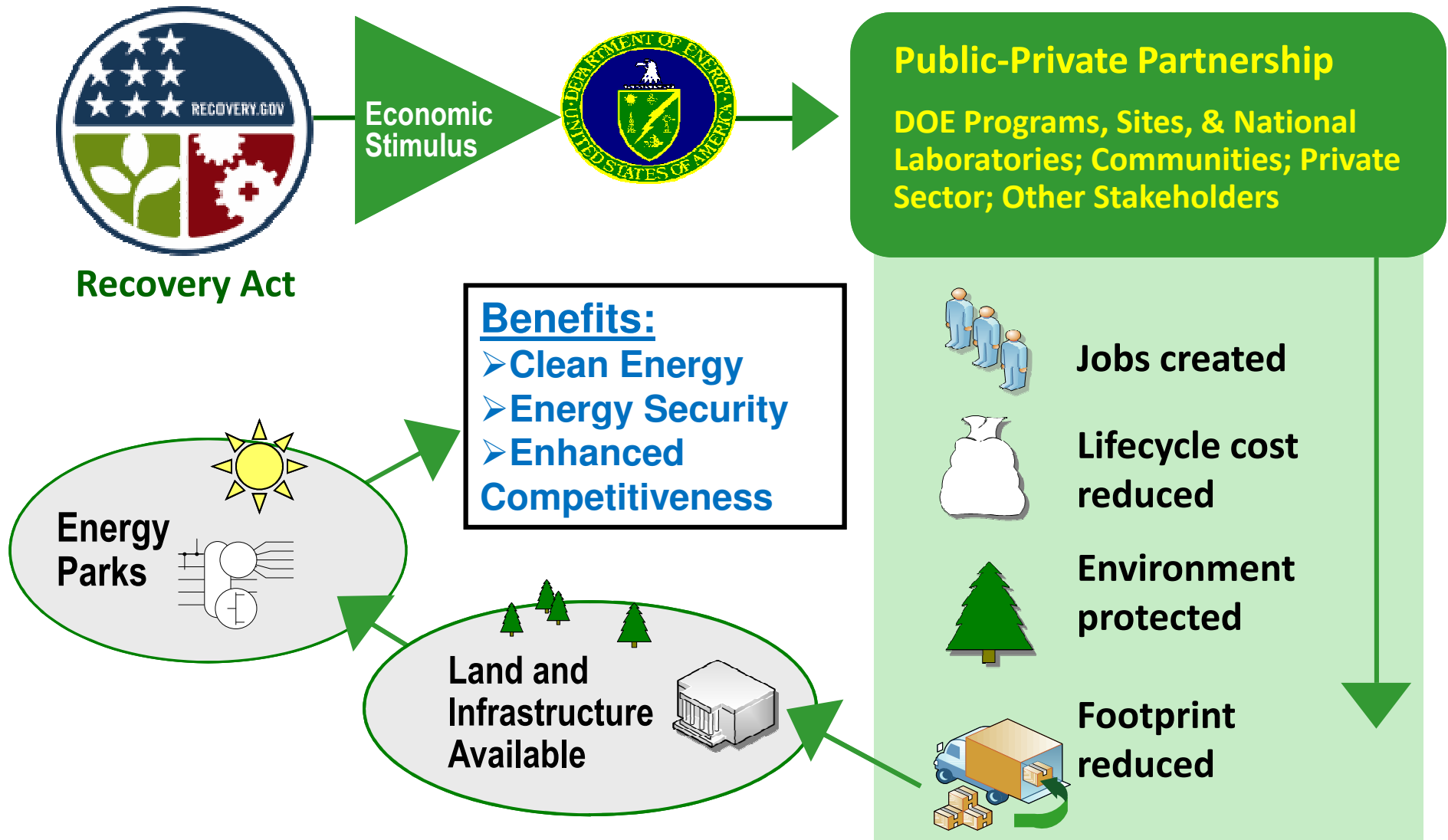


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Recovery Act to Energy Parks

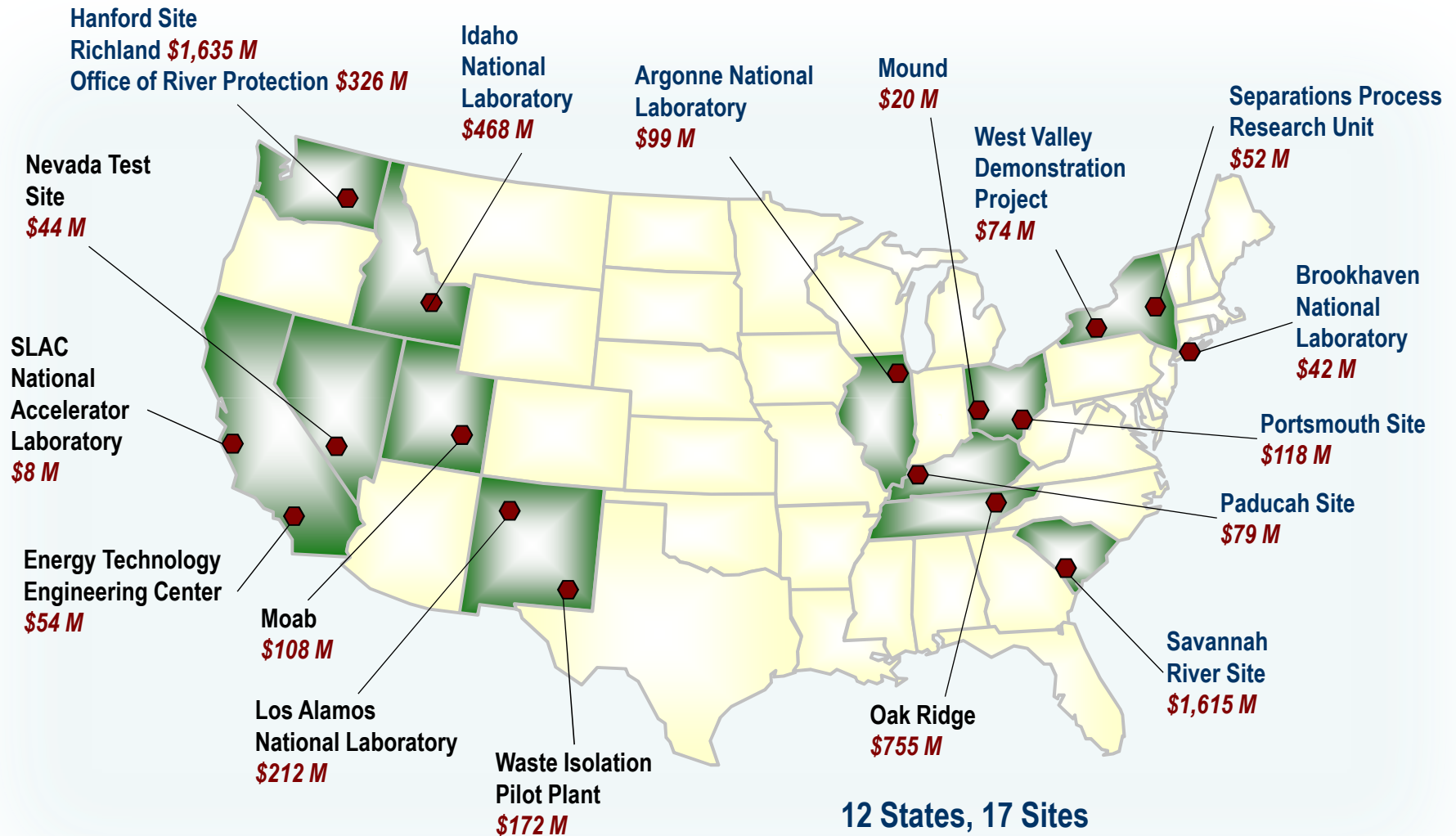


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FY 2009 ARRA Funding by Site

\$6 Billion: Making a Difference



12 States, 17 Sites
 Uranium/Thorium \$69 M
 Management & Oversight \$50 M



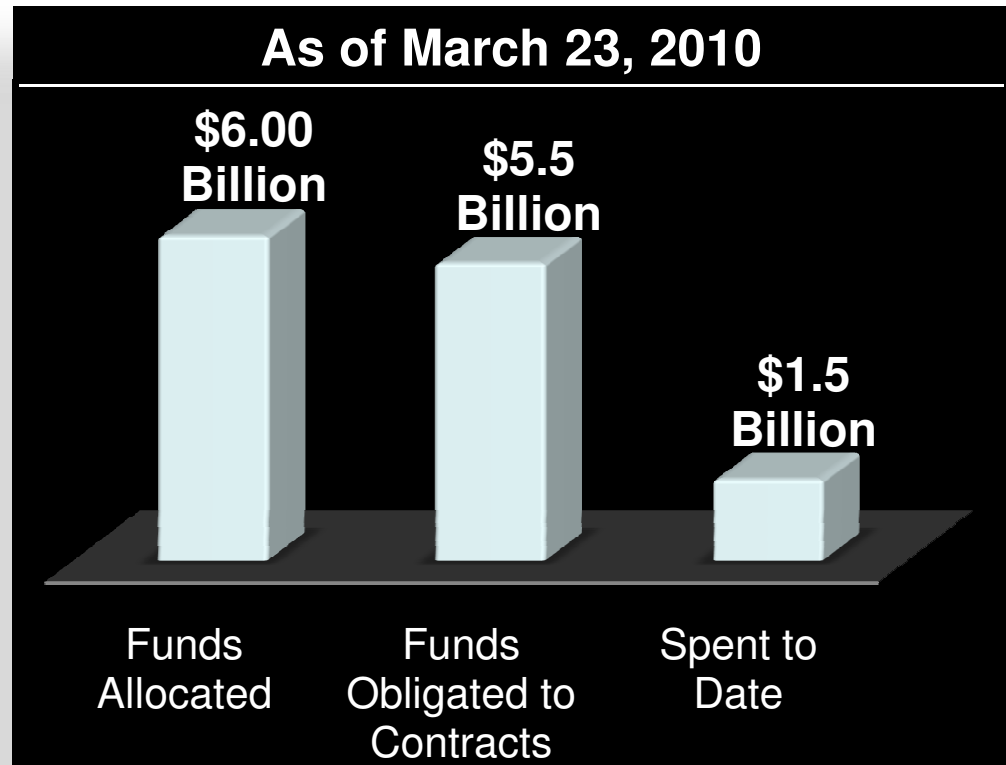
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Infusion of Recovery Act Funds

- Job creation and environmental cleanup progress



Job Seekers Line Around West Kentucky Community & Technical College Gym



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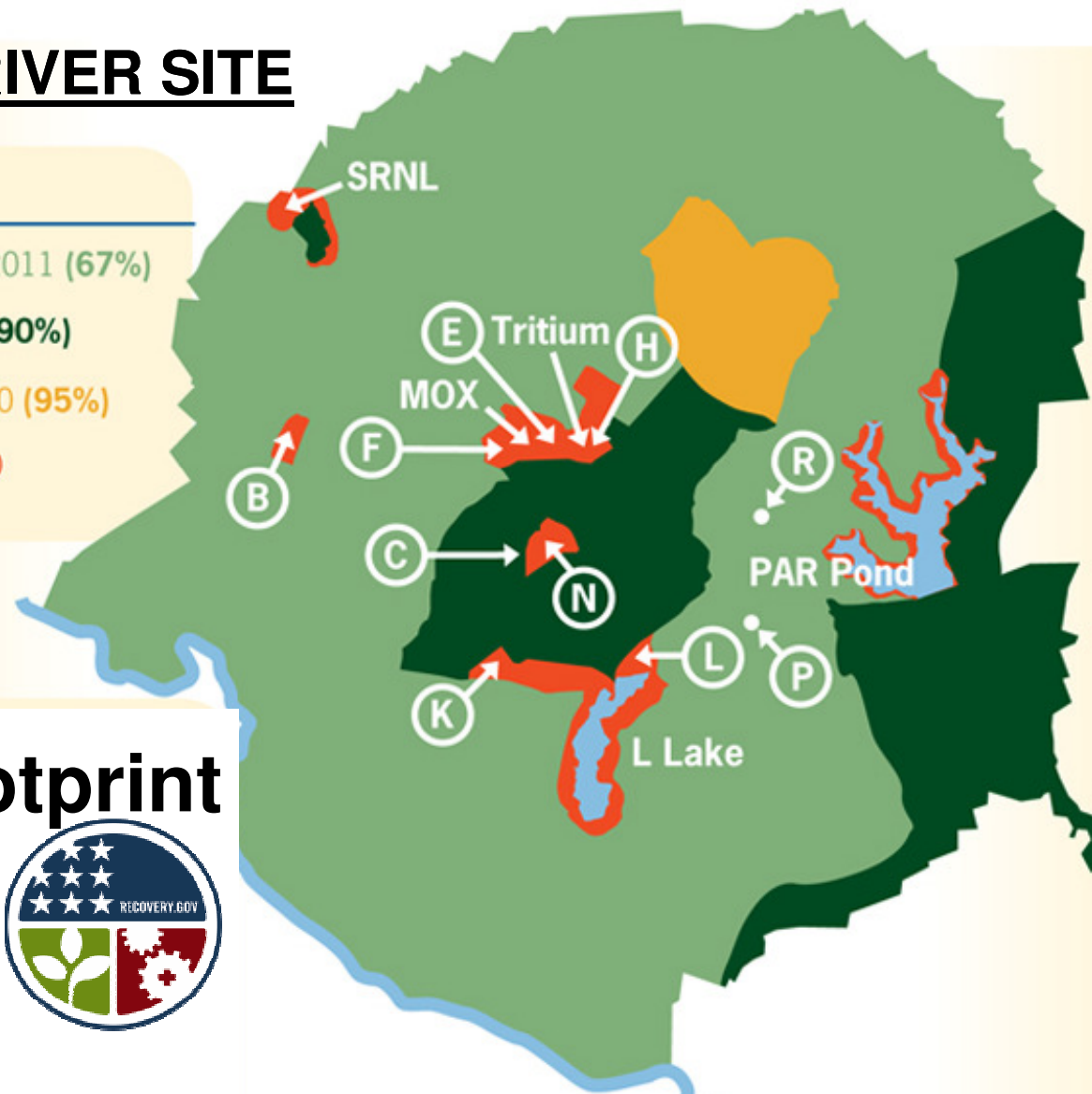
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Footprint Reduction with Recovery Funds

SAVANNAH RIVER SITE

From 2011-post 2020

- ARRA Footprint Reduction by 2011 (67%)
- Footprint Reduction by 2015 (90%)
- Footprint Reduction 2015-2020 (95%)
- Footprint Reduction post 2020



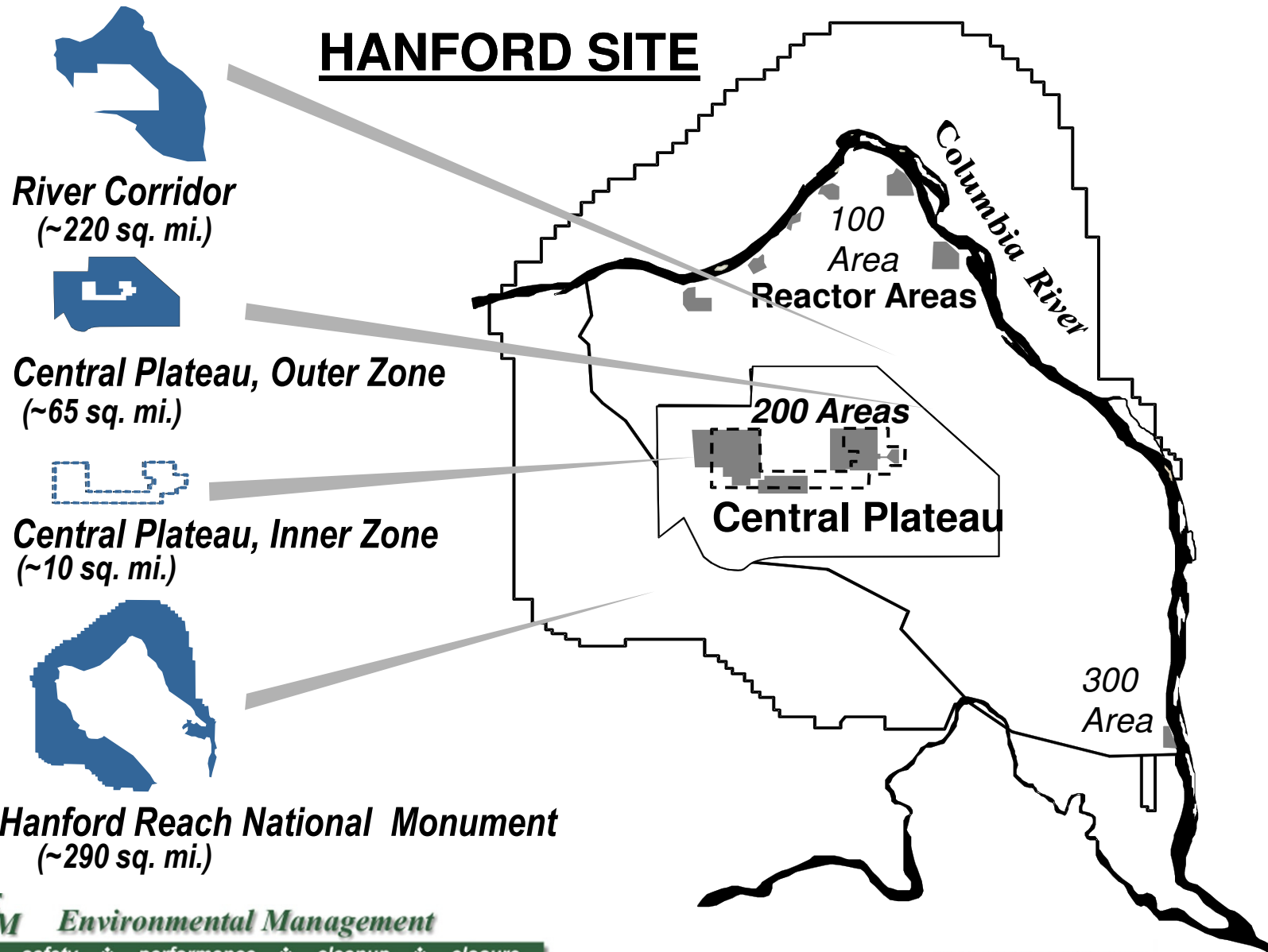
Drives EM Footprint Reduction



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Accelerated Footprint Reduction



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EMAB Background Slides



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Site Transition to Energy Parks



Site Cleanup and Footprint Reduction

Assets Available for Future Missions

- Land
- Infrastructure
- Energy resources
- Expertise
- Other

Public-Private Partnership

- DOE Programs, Sites, & National Laboratories
- Communities
- Private Sector
- Other Stakeholders



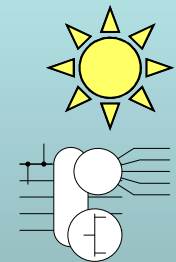
Benefits:

- Clean Energy
- Reduced Greenhouse Gas Emissions
- Energy Security
- Sustainable Jobs
- Long-term Site Missions
- Clean Energy Infrastructure
- Enhanced Competitiveness

Energy Parks in DOE Sites and Surrounding Regions

Develop and Deploy:

- Solar
- Wind
- Biomass
- Geothermal
- Nuclear
- Clean Fossil

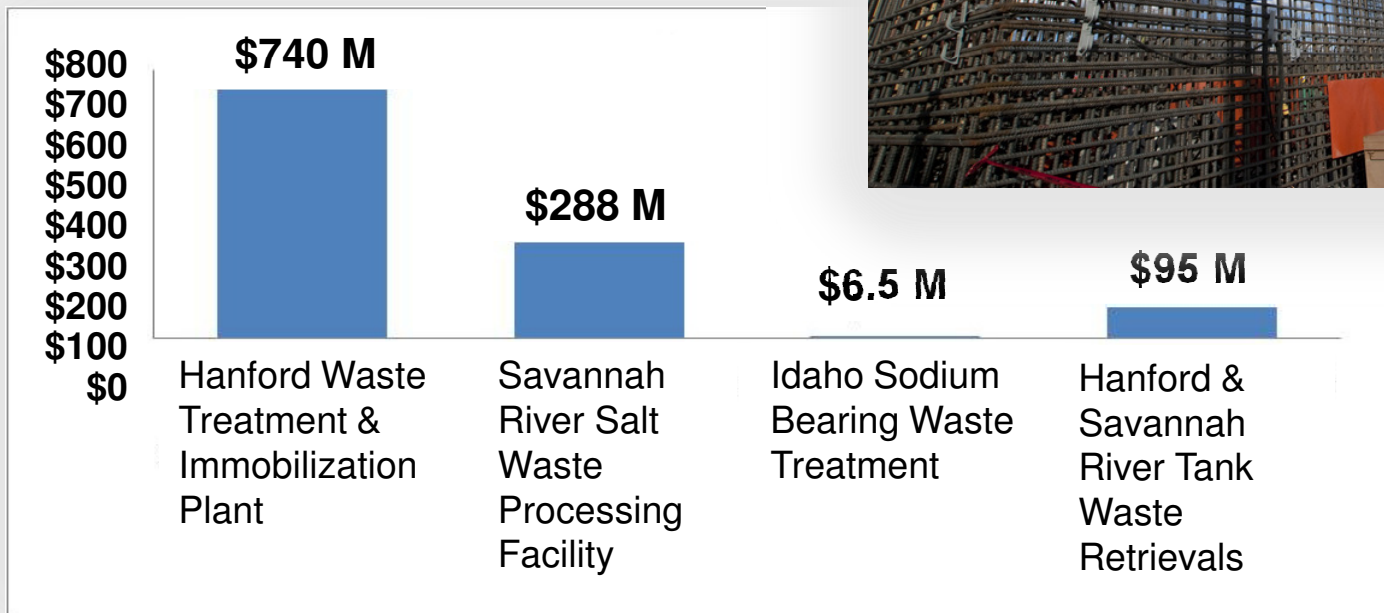


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FY 2011 Highlights

- Fully funds tank waste management and treatment activities across the complex



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FY 2011 Highlights

- Small site completions
 - Brookhaven National Laboratory (\$13.8M)
 - Stanford Linear Accelerator (\$3.5M)
 - Separations Process Research Unit (\$12.5M)



11/2/09 – Processing “Old” D-Waste Line
(801-811 Waste Transfer Lines)



Removal of Building 701 Fan FN-002 Electrical Conduit - Nov. 3, 2009



Draining of D2O from Shut Down Cooling - Nov.2, 2009



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FY 2011 Highlights

Increased funding at Portsmouth to fully support accelerated D&D

C-340 Metals Plant



C-410 Feed Plant



East End Smelter



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Procurement and Contract Management Initiative

Purpose

- Identify meaningful, impactful, and measureable reform, to improve the way contracts are selected and administered.

Approach

- EM-wide survey to key Federal and contractor staff to identify specific contract management issues and barriers
- Two targeted workshops completed
 - ✓ Key contract executives (March 3)
 - ✓ Key EM contract managers (March 4)



Consensus Findings and Next Steps

Major Findings

- RFPs are not strategic decision-making tools
- Lack of RFP consistency across the complex
- Adversarial relationships across both sides of the fence
- The “Danger-Zone,” contract true-up, requires major reform

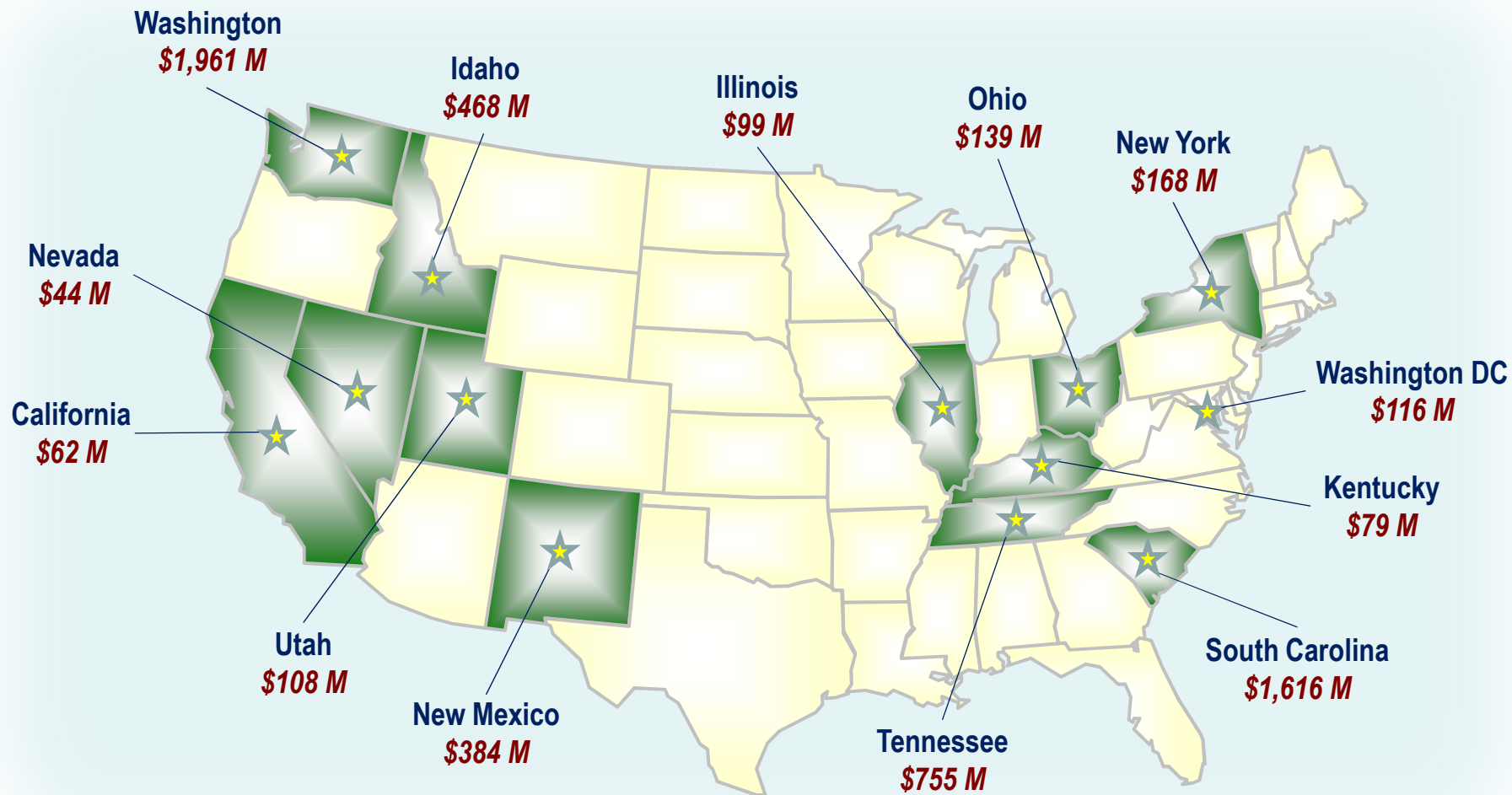
Next Steps

- In collaboration with industry; streamline, standardize, and inculcate across the EM community a streamlined RFP process
- Develop guidelines for “partnering” (as opposed to “partnerships”) with industry for mutual success
- Revisit, revamp and clarify the true-up phase of the post-award process



FY 2009 ARRA Funding by State

\$6 Billion: Making a Difference

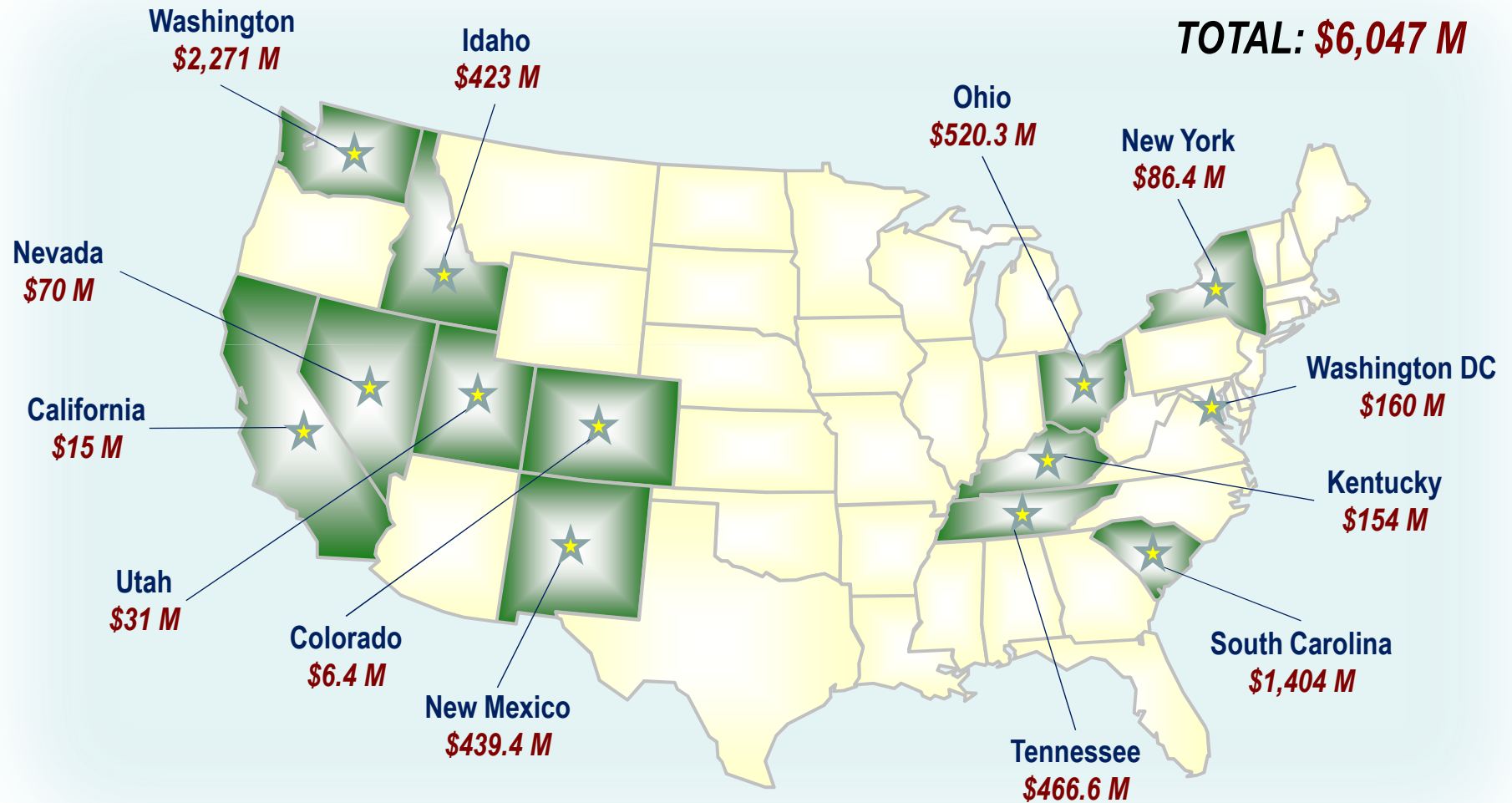


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