Maintaining A Winning Strategy

American Recovery and Reinvestment Act

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Presented to:

Stakeholders

May 18, 2010

Environmental Management
safety ❖ performance ❖ cleanup ❖ closure

Overview

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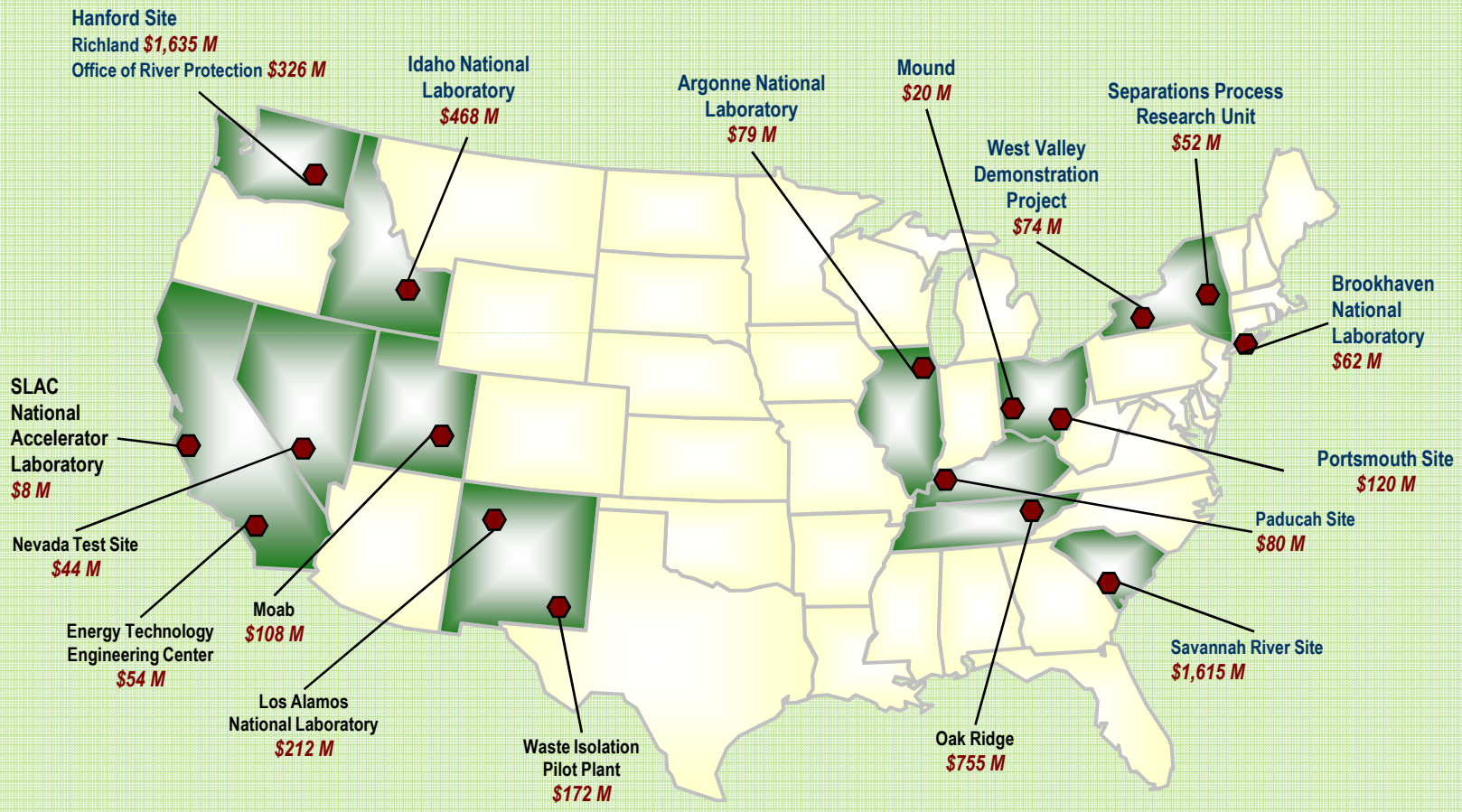
EM Received $6 Billion in ARRA Funding

- Directed towards existing scope that can most readily be accelerated
  - Soil and groundwater remediation
  - Radioactive solid waste disposition
  - Facility decontamination & decommissioning
- "Shovel-ready" projects
  - Fully-defined cost, scope, and schedule
  - Established regulatory framework
  - Proven technology
  - Proven performance
  - Existing contract vehicles
- Focus on EM completion and footprint reduction
- Recovery Act funding will accelerate approximately 48 compliance milestones

$6 Billion: A Winning Strategy in Communities Across the Country



12 States, 17 Sites
Uranium/Thorium $70 M
Management & Oversight $46 M

Recovery Act Funding Obligations at EM Sites

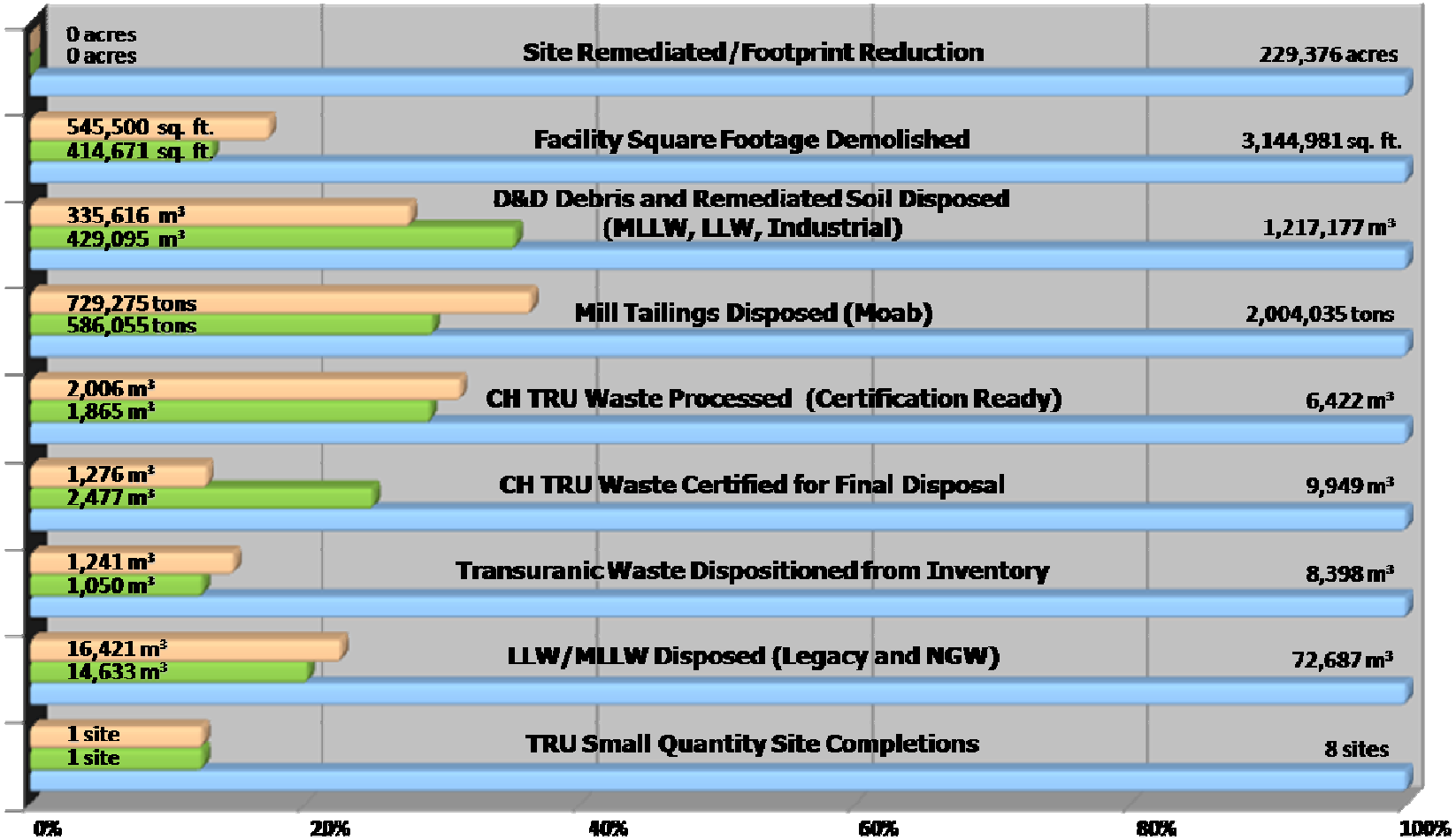
Site	Spend Plan	Obligated to Contracts	Outlaid (Payments) to Date
Argonne National Laboratory	$79,000,000	$79,000,000	$17,843,017
Brookhaven National Laboratory	$61,855,000	$61,855,000	$29,636,471
ETEC	$54,175,000	$54,162,338	$40,774,527
Hanford (Office of River Protection)	$326,035,000	$325,935,000	$85,878,099
Hanford (Richland)	$1,634,500,000	$1,633,993,060	$447,055,241
Idaho	$467,875,000	$423,775,000	$164,129,848
Los Alamos National Laboratory	$211,775,000	$211,775,000	$64,234,008
Moab	$108,350,000	$108,350,000	$35,653,505
Mound	$19,700,000	$19,700,000	$7,354,416
Nevada Test Site	$44,325,000	$44,325,000	$21,169,572
Oak Ridge	$755,110,000	$592,063,150	$188,085,100
Paducah	$80,400,000	$80,400,000	$22,119,887
Portsmouth	$119,800,000	$119,800,000	$36,020,195
Savannah River	$1,615,400,000	$1,364,303,407	$563,257,473
SLAC	$7,925,000	$7,925,000	$5,188,781
SPRU	$51,775,000	$51,775,000	$13,193,573
WIPP	$172,375,000	$172,344,322	$58,169,791
West Valley	$73,875,000	$62,875,000	$19,904,745
Title X Uranium/Thorium Reimbursements	$69,650,000	$46,024,344	$45,629,019
Management & Oversight	$30,000,000	$17,007,363	$11,093,053
Unallocated	$16,100,000	$0	$0
Total	**$6,000,000,000**	**$5,477,387,984**	**$1,876,390,321**

Financial data are based on reporting as May 18, 2010, and are subject to change.

Over 20,000 Workers Have Benefitted

Reported EM Jobs Using Recovery Act Funding (CY2010)			
Site (State)	Q1 2010 (Jan-Mar 2010)		EM Recovery Act Headcount "Lives Touched" (Cumulative from start of project through 03/31/2010)
	Recovery.gov Prime Contractor Jobs (FTEs)	Recovery.gov Prime Contractor plus Subcontractor Jobs (FTEs)	
Argonne National Laboratory (IL)	93	129	263
Brookhaven National Laboratory(NY)	18	93	172
Energy Technology Engineering Center (CA)	5	15	248
Hanford-Office of River Protection (WA)	188	414	1,235
Hanford-Richland Operations Office (WA)	1,116	2,486	5,197
Idaho National Laboratory (ID)	760	786	1,902
Los Alamos National Laboratory (NM)	120	296	653
Moab UMTRA Project (UT)	148	227	229
Mound Site (OH)	9	42	50
Nevada Test Site (NV)	67	110	545
Oak Ridge Reservation (TN)	1,141	1,886	3,749
Paducah Gaseous Diffusion Plant (KY)	165	253	626
Portsmouth Gaseous Diffusion Plant (OH)	142	464	794
Savannah River Site (SC)	1,389	2,258	3,340
Stanford Linear Accelerator Center (CA)	32	42	146
Separations Process Research Unit (NY)	32	119	219
West Valley Demonstration Project (NY)	84	128	377
Waste Isolation Pilot Plant (NM)	150	270	504
TOTALS	**5,659**	**10,018**	**20,249**

EM ARRA Performance To Date

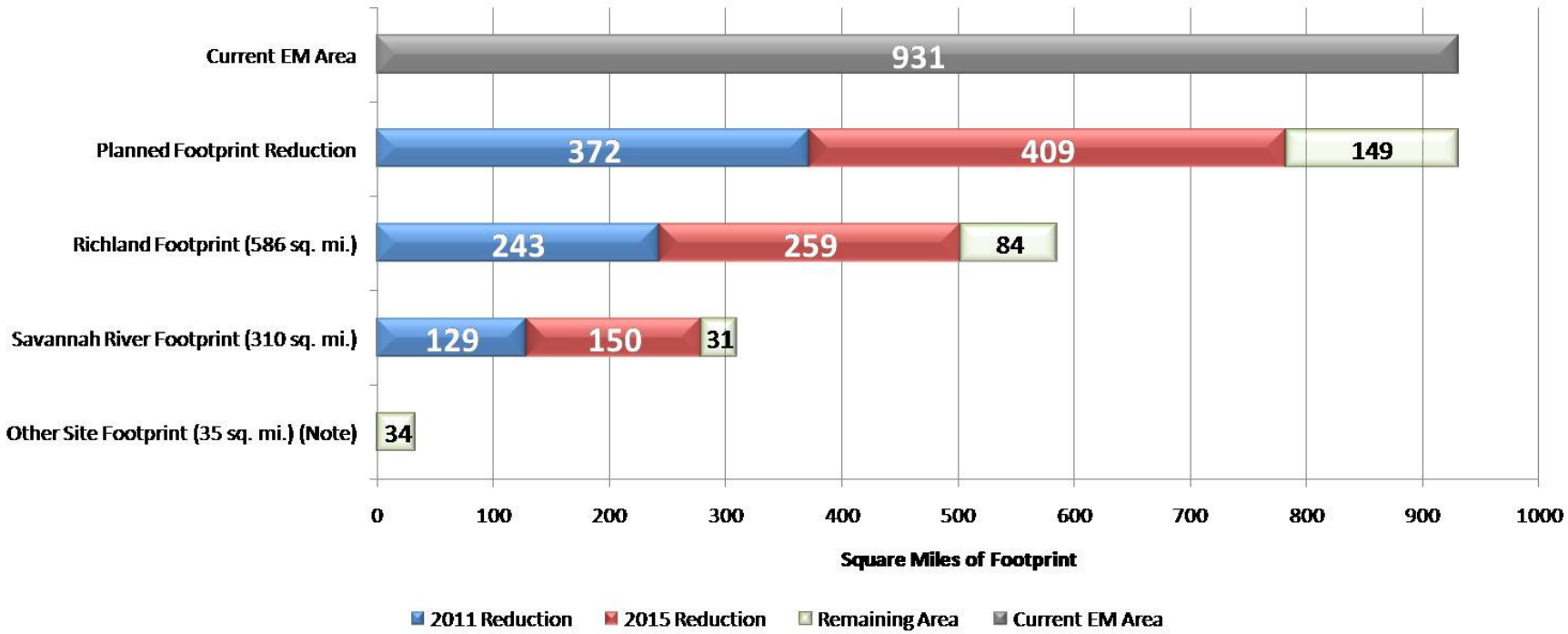


Getting The Job Done

Performance Measure	Overall ARRA Goals (Sept. 30, 2011)	April 30, 2010 Plan	Accomplishments (as of Apr. 30 , 2010)		
Facility Square Footage Demolished (square feet)	3,144,981	414,671	**545,500** (17% of goal)	=	**9 football fields**
Demolition Debris and Soil Permanently Disposed (cubic meters)	1,217,177	429,095	**335,616** (28% of goal)	=	**134 Olympic swimming pools**
Mill Tailings Disposed (tons)	2,004,035	586,055	**729,275** (36% of goal)	=	**5,064 rail cars** ⇨
Contact-Handled Transuranic Waste Processed (certification-ready) (cubic meters)	6,422	1,865	**2,006** (31% of goal)	=	**9,635 55-gal drums**
Contact-Handled Transuranic Waste Certified for Final Disposal (cubic meters)	9,949	2,477	**1,276** (13% of goal)	=	**438 TRUPACT IIs (6,129 55-gal drums) (146 shipments)**
Transuranic Waste Inventory Dispositioned (cubic meters)	8,398	1,050	**1,241** (15 % of goal)	=	**5,961 55-gal Drums**
Low-Level and Mixed Low-Level Waste Permanently Disposed (cubic meters)	72,687	14,633	**16,421** (23% of goal)	=	**78,872 55-gal drums**

EM Footprint Reduction Goals

40% by FY 2011, ~90% by FY 2015



- Total footprint under EM control includes both impacted and un-impacted areas (931 sq. miles).
- Total footprint reduction mileage includes cleanup performed by both base program and ARRA.
- Footprint reduction is assumed at time of physical completion of activities with petition for regulatory approval to follow.
- Footprint reduction does not mean the moving of site boundary fences.
- At the end of EM's mission, some property will require long term maintenance, but most will be available for beneficial reuse.
- FY 2015 footprint reduction goal assumes favorable funding profile.

Note: One square mile of footprint reduction planned for "other sites" by FY 2011.

Recovery Act to Energy Parks

Recovery Act

Economic Stimulus

Public-Private Partnership

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

Benefits:

- Clean Energy
- Energy Security
- Enhanced Competitiveness

Energy Parks

Land and Infrastructure Available

Jobs created

Lifecycle cost reduced

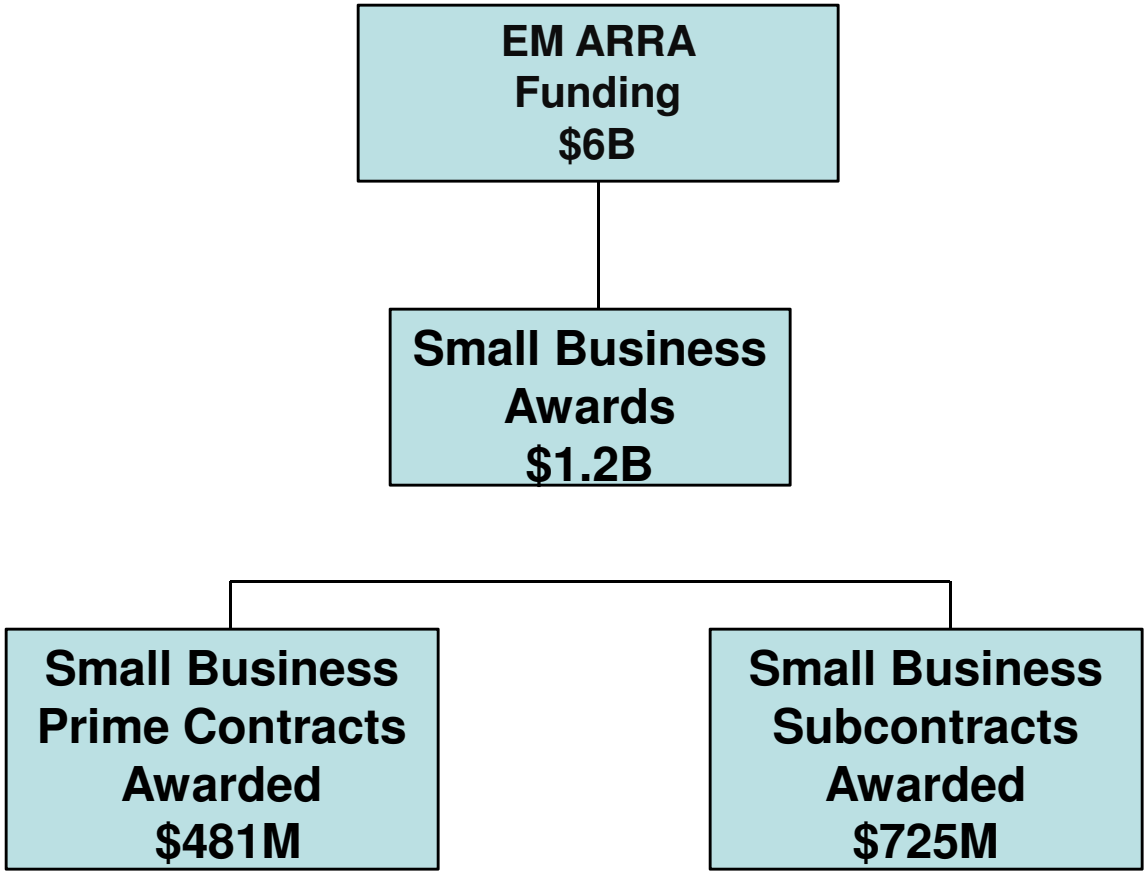
Environment protected

Footprint reduced

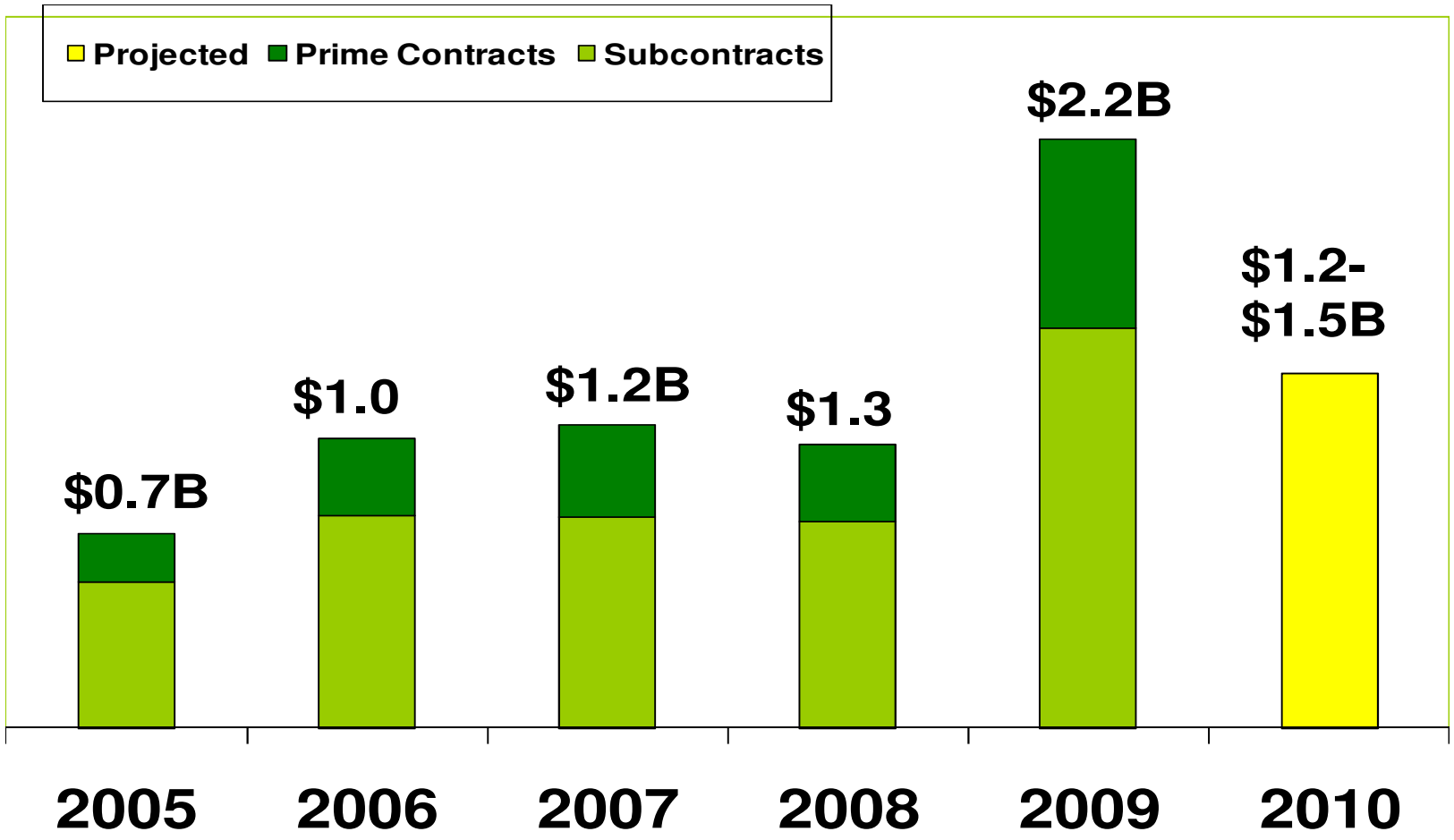
Accelerating Compliance Milestones

- Approximately 40 agreements/orders in place with regulators dealing with EM's cleanup mission.
- Recovery Act projects on-track to accelerate 48 compliance milestones (between 1 to 19 years).
- Already 14 of the 48 milestones have been met.
- A listing of accelerated milestones and states can be found at www.em.doe.gov/emrecovery.

Recovery Act Funding Awarded to Small Businesses



EM Total Small Business Funding



Observations and Lessons

- **Planning**
  - 2015 Strategic Initiative – on-the-shelf projects ready to go
  - Contracts ready to go – easy to add additional scope
  - wish for more up-front pre-planning – clearer project scoping, costing and scheduling
  - changing requirements
- **Early and Frequent Communications**
  - on-going engagement with Stakeholders Congress, OMB, GAO, IG
- **Recruiting and Teaming**
  - Creating a sense of urgency
  - Culture of continuous improvement
  - Power of a small enthusiastic dedicated team
- **Reinforced use of DOE Order 413 Project Management System**
  - Reviews (external, program, others) , reporting, metrics
- **On-the-ground Site Representatives**
  - site advocacy and oversight

Observations and Lessons

- **Vigorous engagement between HQ and Recovery Act Sites**
  - day to day interactions
  - HQ site visits – support and oversight roles
- **IPABS data collection system**
  - financials, metrics, change control
- **Clear definitive projects –carving of work scope**
  - based on the right scope, cost and schedule
  - Correct review level
  - easier to manage
  - more meaningful reporting
  - achieving results
- **Sharper reporting resolution**
  - Dashboard – EVMS, EAC/VAC, metrics, milestones,
  - spending rates
- **Looking to the Future**
  - getting out in-front of issues
  - risk management
  - ARRA ramp-down

Issues and Challenges Going Forward

- Project execution
  - Working safely
  - Achieving footprint reduction scope
- Spending
- June 2010
  - Revisions to POPs
  - Finalization of funds documents
  - Update Project Risks
- FY2011
  - Initiation of buyback projects
  - Workforce transitions

Communicate. Communicate. Communicate.

EM Headquarters and Field sites are striving to provide "unprecedented transparency" as to where the ARRA money is going and what is being accomplished.

- Hot Link Jobs Button
- EM Recovery Act newsletter
- Weekly News Flash
- EM Recovery Act website
- Stakeholder conference calls
- Public meetings
- OMB/Congress
- GAO/IG

Summary

EM Recovery Act Program is making progress in achieving job creation and environmental cleanup through the *American Recovery and Reinvestment Act.*

- Safety is the # 1 priority for all EM activities
- More than 99% of Recovery Act funds have been allocated to sites
- $5.7 billion obligated to contracts for EM Recovery projects
- 20,000 jobs created and preserved in 12 States
- Over $1.7 billion spent on Recovery work
- Achieved EM small business prime and subcontracting goals
- Monthly monitoring of project execution and performance
- Active engagement with stakeholders and regulators

Learn More About the EM Recovery Act Program

EM Recovery Act Program Office

http://www.em.doe.gov/emrecovery

Email: **EMRecovery@em.doe.gov**

Phone: **202-586-2083**

DOE Recovery Act Clearinghouse

http://RecoveryClearinghouse.energy.gov

Email: **RecoveryClearinghouse@hq.doe.gov**

Phone: **1-888-DOE-RCVY**