American Recovery and Reinvestment Act
Office of Environmental Management

Progress and Status

Update for

Energy Facility Contractors Group

June 24, 2009

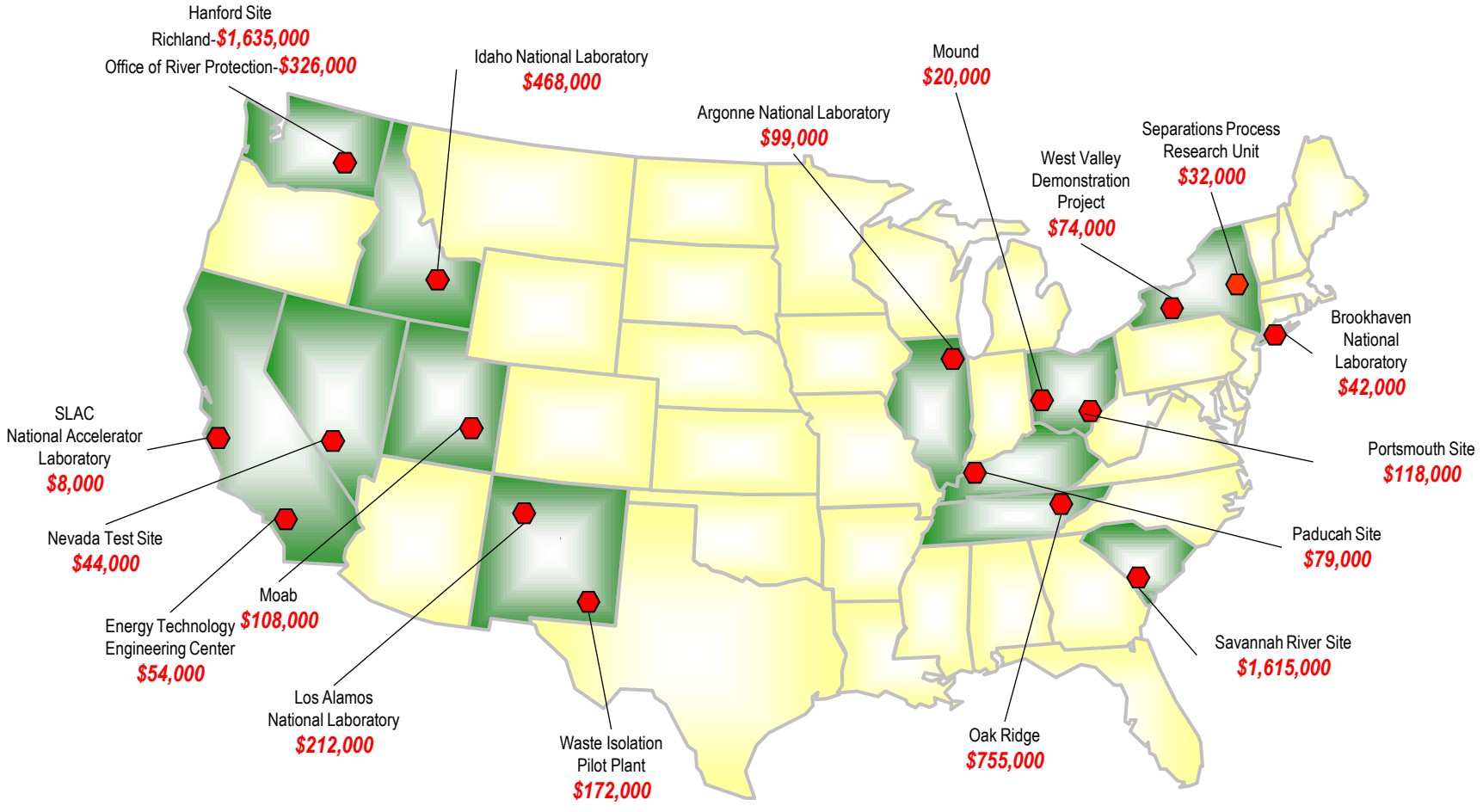
EM Environmental Management

safety ❖ performance ❖ cleanup ❖ closure

Sound Business Practices—Recovery Act Investments

- $6 billion in Recovery Act funding
- Scope that can most readily be accelerated
  - Soil and groundwater remediation
  - Radioactive solid waste disposition
  - Facility decontamination & decommissioning
- "Shovel Ready"
  - 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 70 compliance milestones

$6 Billion—
Where Is the Money Going ($ in thousands)



12 States, 17 Sites
Uranium/Thorium $69 million
Management & Oversight $70 million

Contract Status

- Most “shovel ready” scope already under existing contracts
- Considerable subcontracting expected to meet EM small business goals
  - FY 2009 small business subcontracting goal = 46.4 percent
  - EM prime contracting small business goal = 4.8 percent
- Independent Review and Validation of cost
- 25 Contract Modifications issued as of 6/9/09
- Target date for definitization (Recovery Act cost, scope and schedule) by 9/30/09 or sooner
- No fee prior to definitization

Project Management—Oversight & Accountability

Safety is the #1 priority for all EM Recovery Act projects.

- Fully implement DOE Order 413.3A
- Phased release of funding based on performance
  - Integrates project, contract and funds management
- Ensure projects stay on schedule and within cost
- Conduct regular reviews to track and monitor performance
- On-site Headquarters representatives will closely observe project performance
- Maintain regular communications with regulators, Tribal Nations and stakeholders
- External oversight reviews by the IG and GAO

3,280 Jobs Created and Saved Nationwide

	Applicants	New Jobs	Saved Jobs
Hanford-ORP (WA)	6,393	102	23
Hanford-Richland (WA)	9,900	775	300
Idaho (ID)	4,567	140	240
Moab (UT)	1,747	107	0
Mound (OH)	0	0	25
Oak Ridge (TN)	6,260	261	6
Paducach (KY)	1,186	12	0
Portsmouth (OH)	1,370	42	8
Savannah River (SC)	6,000	330	798
SLAC (CA)	0	1	19
West Valley (NY)	1,128	38	0
WIPP (NM)	79	43	10
TOTALS	38,630	1,851	1,429

Applicants at a Hanford Job Fair

New employees complete mandatory SRS safety training

♦ 3,280 Jobs Created and Saved to Date

American Recovery: The First 100 Days
"Up and Running…"

Washington State *(Hanford)*

- Accelerating retrieval of transuranic waste drums and trench boxes
- Excavated 124,000 of 375,000 cubic yards of dirt to increase capacity of the Environmental Restoration Disposal Facility
- Groundwater projects expansion underway

Retrieval of waste drums at Hanford contain low-level, mixed low-level, and TRU waste.

The first trainload of uranium tailings left Moab on April 20, marking the beginning of a massive cleanup effort.

Utah *(Moab Mill Tailings Site)*

- Relocation of the world's largest uranium mill tailings pile (16 million tons) has begun

American Recovery: The First 100 Days
"Up and Running…"

South Carolina *(Savannah River Site)*

- First 2 Remote-Handled transuranic (TRU) waste shipments prepared for transport
- Achieved 1,000th shipment milestone for TRU waste to the Waste Isolation Pilot Plant

Tennessee *(Oak Ridge)*

- Started training 2nd shift TRU operations
- Began clean up of Y-12 scrap yard

Idaho *(Idaho National Lab)*

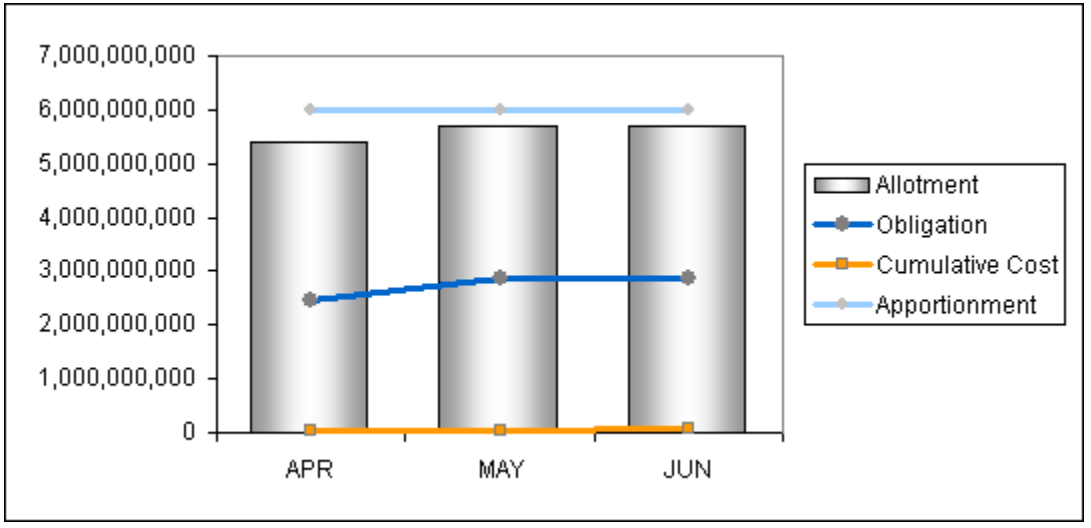
- Accelerated shipment of mixed low-lowel waste from Advanced Mixed Waste Treatment Plant
- 3000-sq ft High Integrity Container (HIC) enclosure dismantled and disposed

This old scrap yard at Y-12 will be one of the first cleanup projects to be done with stimulus money in Oak Ridge.

The HIC enclosure was the first decontamination and decommissioning project completed under the Recovery Act.

Monthly Metrics for Recovery Act Projects

Apportionment, Allotment, Obligation and Cumulative Cost



	APR	MAY	JUN
Apportionment	6,000,000,000	6,000,000,000	6,000,000,000
Allotment	5,413,685,000	5,705,625,000	5,705,625,000
Obligation	2,451,737,784	2,878,782,349	2,881,019,202
Cumulative Cost	25,465,857	55,032,084	79,016,507

Metrics	Target for Completion in Sept 2011
Jobs Saved and Created	13,000 jobs
CH TRU Removed from Site	4,600 m3
RH TRU Removed from Site	25 m3
Area of Buildings Demolished	3,240,000 ft2
Number of Buildings Demolished	238
LLW Disposed	26,800 m3
Contaminated Soil Removed	55,000 yd3
Number of Waste Sites Remediated	82
Tailings Disposed	1.9 million tons

Preliminary targets based on information provided by sites in the Project Operating Plans

Summary

- EM Recovery Act up and running
- Thousands of jobs created and preserved
- Nearly all funds allocated to sites
- Billions of dollars obligated to contracts
- Project management systems are in place
- Negotiating contract modifications
- Monitoring project execution and performance
- Continuous engagement with stakeholders and regulators

BACKUP

Recovery Act vs Base Program

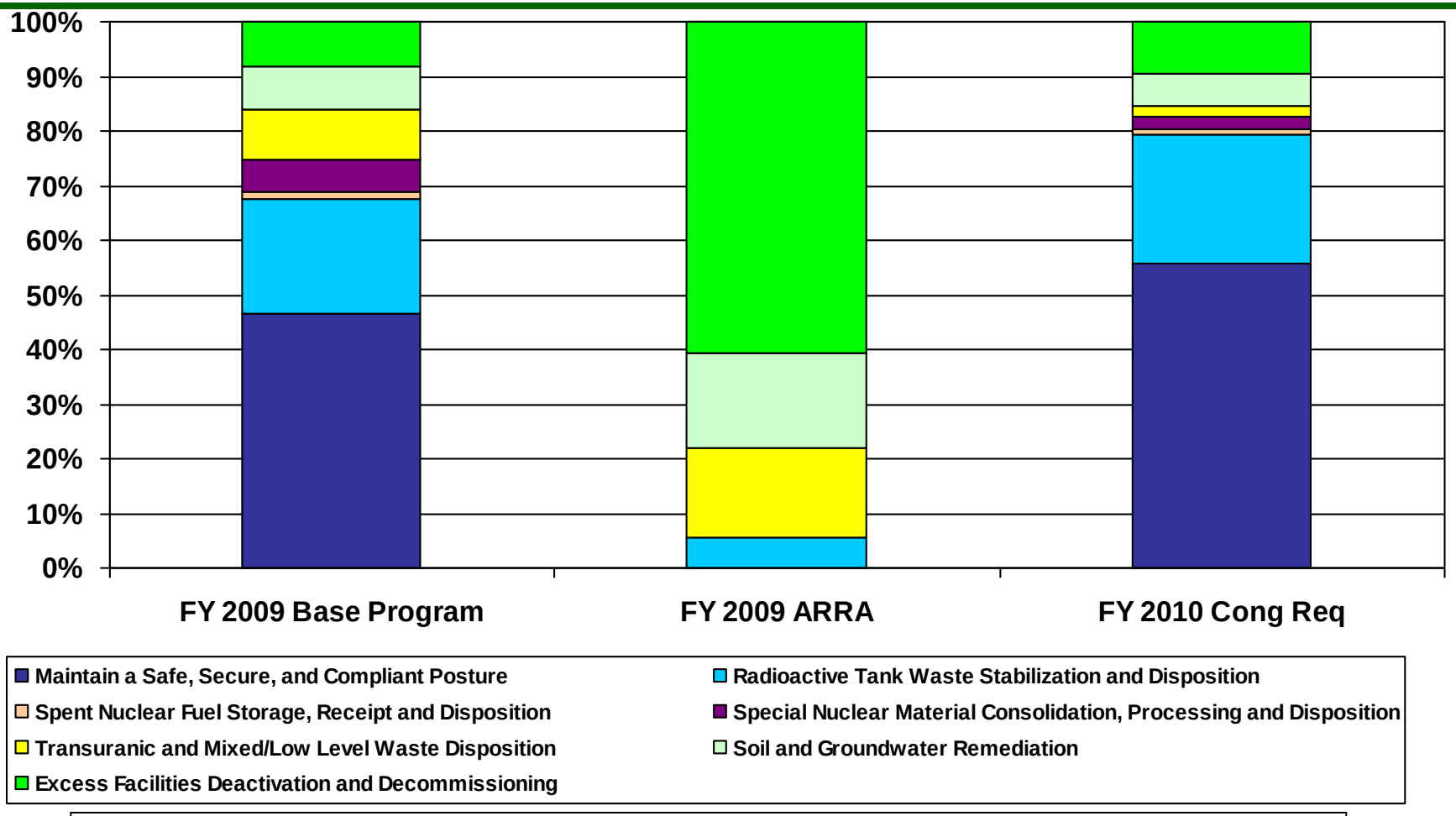
Base Program

- Tank Waste
  - Maintenance of liquid waste tanks and storage facilities
  - Construction of waste processing facilities
  - Tank closures
- Special Nuclear Material and Spent Fuel
  - Maintenance of storage facilities
  - Stabilization, consolidation, treatment, disposal
- Solid Waste
  - Base operations -- transuranic (TRU) and solid waste disposition
  - Treatment/processing
  - Certification
  - Packaging/transportation
- Soil and Groundwater
  - Groundwater monitoring
  - Installation of groundwater treatment systems
  - Soil remediation
- Facility D&D
  - Facility S&M
  - Deactivation, decontamination, decommissioning, demolition

Recovery Act

- Tank Waste
  - Limited infrastructure upgrades at Hanford
- Special Nuclear Material and Spent Fuel not included in Recovery Act
- Solid Waste
  - TRU and solid waste disposition
  - Treatment/processing
  - Certification
  - Packaging/transportation
- Soil and Groundwater
  - Install groundwater treatment systems
  - Soil remediation
- Facility D&D
  - Deactivation, decontamination, decommissioning, demolition

Recovery Act Work Complements Base Program Prioritization of EM Work Scope



Highest risks addressed by the "base" program activities are requested in normal appropriations

Recovery Act Financial Status

Planned Obligations and Costs
(In Whole Dollars)

	Spend Plan	CY Allocation	CY Obligation	CY Cost	Projected EOY Obligations*		Projected EOY Costs		
					FY 2009	FY 2010	FY 2009	FY 2010	FY 2011
Defense Environmental Cleanup - Recovery Act									
River Protection	326,035,000	326,035,000	42,600,000	2,641,924	260,828,000	65,207,000	45,000,000	121,000,000	160,035,000
Hanford	1,634,500,000	1,634,500,000	1,268,998,921	13,636,570	1,307,600,000	326,900,000	168,000,000	689,000,000	777,500,000
Idaho	467,875,000	467,875,000	374,000,000	10,496,660	374,300,000	93,575,000	81,800,000	215,800,000	170,275,000
Oak Ridge	558,110,000	558,110,000	302,392,956	522,182	446,488,000	111,622,000	83,470,000	281,610,000	193,030,000
Savannah River	1,615,400,000	1,615,400,000	387,600,000	33,827,249	1,292,320,000	323,080,000	291,000,000	592,000,000	732,400,000
SPRU	31,775,000	31,775,000	12,000,000	0	25,420,000	6,355,000	1,000,000	18,900,000	11,875,000
LANL	197,000,000	197,000,000	0	0	157,600,000	39,400,000	28,270,000	83,790,000	84,940,000
Miamisburg	19,700,000	19,700,000	0	0	15,760,000	3,940,000	1,400,000	16,800,000	1,500,000
Nevada	44,325,000	44,325,000	5,000,000	0	35,460,000	8,865,000	8,806,000	13,655,000	21,864,000
Carlsbad	172,375,000	172,375,000	130,683,700	1,881,046	137,900,000	34,475,000	37,501,000	76,752,000	58,122,000
Program Direction	25,635,000	10,170,000	1,230,959	2,577	25,635,000	0	2,000,000	0	7,905,000
OMB Q4 Holdback	34,270,000				34,270,000	0			
Total Defense Environmental Cleanup - Recovery Act	**5,127,000,000**	**5,077,265,000**	**2,524,506,536**	**63,008,208**	**4,113,581,000**	**1,013,419,000**	**748,247,000**	**2,109,307,000**	**2,219,446,000**
Non-Defense Environmental Cleanup - Recovery Act									
Brookhaven	42,355,000	42,355,000	34,000,000	1,494,686	33,884,000	8,471,000	14,417,000	16,836,000	11,102,000
ETEC	54,175,000	38,300,000	38,300,000	0	43,340,000	10,835,000	931,000	8,083,000	45,161,000
LANL	14,775,000	14,775,000	0	0	11,820,000	2,955,000	2,820,000	5,640,000	6,315,000
Moab	108,350,000	108,350,000	82,000,000	0	86,680,000	21,670,000	25,240,000	41,120,000	41,990,000
West Valley	73,875,000	73,875,000	56,000,000	0	59,100,000	14,775,000	11,600,000	32,700,000	29,575,000
Oak Ridge	78,800,000	78,800,000	3,613,897	92,697	63,040,000	15,760,000	6,360,000	47,800,000	24,640,000
Argonne	98,500,000	35,000,000	35,000,000	0	78,800,000	19,700,000	11,413,000	32,700,000	54,387,000
SLAC	7,925,000	7,925,000	7,925,000	0	6,340,000	1,585,000	1,624,000	4,689,000	1,612,000
Program Direciton	2,415,000	1,200,000	53,479	14,371	2,415,000	0	1,260,000	1,680,000	1,305,000
OMB Q4 Holdback	1,830,000				1,830,000	0			
Total Non-Def Environmental Cleanup - Recovery Act	**483,000,000**	**400,580,000**	**256,892,376**	**1,601,754**	**387,249,000**	**95,751,000**	**75,665,000**	**191,248,000**	**216,087,000**
D&D Activities - Recovery Act									
Oak Ridge	118,200,000	118,200,000	90,285,000	166,136	94,560,000	23,640,000	7,300,000	53,900,000	57,000,000
Paducah	78,800,000	20,000,000	2,500,000	86,274	63,040,000	15,760,000	7,120,000	37,620,000	34,060,000
Portsmouth	118,200,000	20,000,000	4,600,000	0	94,560,000	23,640,000	16,600,000	79,100,000	22,500,000
Uranium Thorium Reimbursements	68,950,000	68,950,000	14,181,497	14,181,497	68,950,000	0	22,900,000	18,200,000	27,850,000
Program Direciton	1,950,000				1,950,000	0	1,710,000	2,280,000	1,860,000
OMB Q4 Holdback	3,900,000				3,900,000	0			
Total D&D Activities - Recovery Act	**390,000,000**	**227,150,000**	**111,566,497**	**14,433,907**	**326,960,000**	**63,040,000**	**55,630,000**	**191,100,000**	**143,270,000**
EM Sum:	**6,000,000,000**	**5,704,995,000**	**2,892,965,409**	**79,043,869**	**4,827,790,000**	**1,172,210,000**	**879,542,000**	**2,491,655,000**	**2,578,803,000**

* Projected obligations assume the 20% holdback is released to field in early FY2010. The performance at some sites may accelerate this schedule.