

FY 2010 Budget Briefing Environmental Management



Richland Operations Office Public Briefing March 26, 2008



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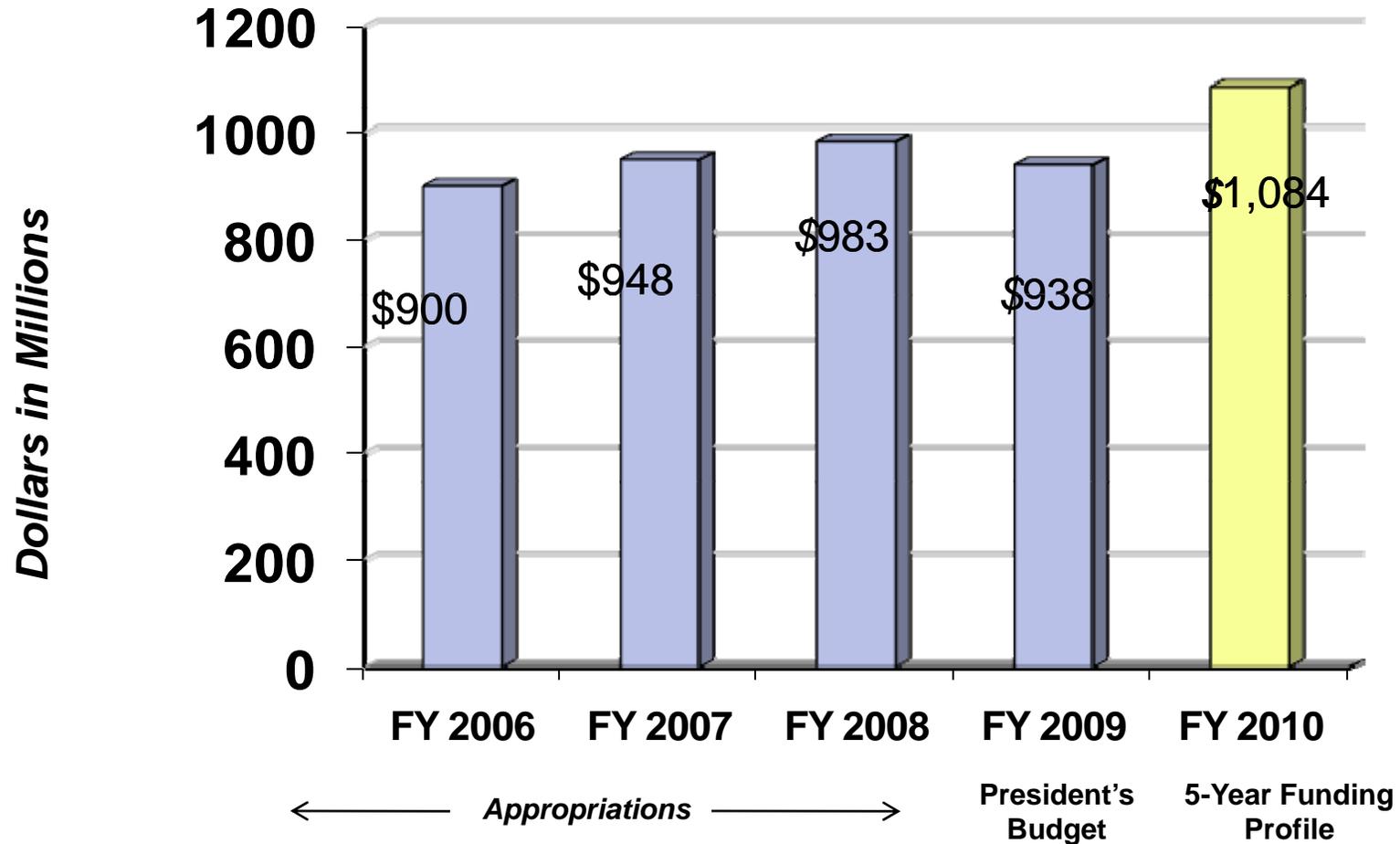
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RL Funding (Dollars in Millions)



Note: These numbers exclude Program Direction funding



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 FY 2009 – 2013 Environmental Management
 (\$'s in Thousands)

RL Baseline Profile			
PBS	PBS Title	FY 2009 Pres Budget	FY 2010 Proposed Allocation
RL-0011	NM Stabilization & Disposition - PFP	113,483	212,683
RL-0012	SNF Stabilization & Disposition	122,171	50,778
RL-0041	Nuclear Facility D&D - River Corridor	165,248	303,104
Subtotal 2012	2012 Accelerated Completion	400,902	566,565
RL-0013C	Solid Waste Stabilization & Disp - 200 Area	175,930	141,004
RL-0030	Soil & Water Remediation - GWVZ	169,682	175,071
RL-0040	Nuclear Facility D&D - Remainder of Hanford	85,653	87,191
RL-0100	Community & Regulatory Support	19,620	20,417
Subtotal 2035	2035 Accelerated Completion	450,885	423,683
RL-0020	Safeguards & Security	75,265	87,722
RL-0042	Nuclear Facility D&D - FFTF	10,755	6,968
Total - RL	Office Total	937,807	1,084,938

Note: FY 2010 represents RL's recommended reallocation of the 5-Yr Plan profile from last year



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FY 2009 through FY 2013
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	FY09	FY10	FY11	FY12	FY13
2008 5-Yr Plan RL Profile	934,677	1,084,938	1,095,000	1,100,000	1,132,000
RL Requirements (Current Submittal)	937,807	1,666,296	1,885,096	1,923,538	1,823,901

RL's budget request will reflect compliance requirements.



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FY 2010 Priorities for Cleanup

- Maintain Safe & Compliant Facilities and Provide Essential Services
 - Safeguards and Security
 - Plutonium Finishing Plant Onsite Consolidation of Plutonium at Canister Storage Building
- Execute RL Cleanup Strategy and Achieve Regulatory/TPA Compliance
 - Cleanup/demolition of facilities, waste sites, groundwater along the Columbia River Corridor
 - Sludge Treatment
 - Plutonium Finishing Plant Decontamination and Decommissioning
 - Retrieve suspect Transuranic waste from burial grounds
 - Central Plateau Groundwater Remediation upgrades
 - Continue Remedial Investigation/Feasibility Study Process for Central Plateau
 - Transuranic Waste Certification and continue shipments to Waste Isolation Processing Plant
 - Mixed Low-Level Waste Treatment
 - Remote-Handled Facility Line Item
- Community & Regulatory Requirements
- Reliability Upgrades – DOE Orders
- Central Plateau Remediation Activities
 - Waste site remediation
 - Decontamination and Decommissioning



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Baseline Planned Accomplishments

RIVER CORRIDOR



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Planned Accomplishments - *River Corridor Activities*

SNF Stabilization/Disposition (RL-0012) - \$50.8M request

FY 2010 Five Year Plan Accomplishments

- Maintain Safe & Compliant 100K facilities
- Continue Sludge Treatment Design
- Site wide services



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Planned Accomplishments –
River Corridor Activities

Nuclear Facility D&D – RCCP (RL-0041) - \$303.1M request

FY 2010 Planned Accomplishments

- Maintenance of safety systems and operations in the 100 Area, 200 Area (Environmental Restoration Disposal Facility), 300 Area, 400 Area, and 600 Area.
- Surveillance and maintenance for inactive facilities, waste sites, and burial grounds in the 100 Area, 200 Area, 300 Area, 400 Area, and 600 Area.
- Initiate K-East Basin soil remediation (TPA M-16-57)
- Deactivation, decontamination, decommissioning, and demolition activities and soil remediation in the 100 Area & 300 Area
- Environmental Restoration Disposal Facility Operations
- Site Wide Services



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Baseline Planned Accomplishments

Central Plateau



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Planned Accomplishments - *Central Plateau Activities*

NM Stabilization/Disposition–PFP (RL-0011) - \$212.7M request

FY 2010 Five Year Plan Accomplishments

- Maintain Plutonium Finishing Plant (PFP) complex facilities
- Finish De-inventory of Special Nuclear Materials
- Complete transition of the Z-9 crib complex
- Maintain Plutonium Finishing Plant complex facilities
- Ramp up decontamination and decommissioning at additional PFP facilities
- Site Wide Services



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Planned Accomplishments - *Central Plateau Activities*

SW Stabilization/Disposition (RL-0013C) - \$348.2M request

FY 2010 Request

- Operate the Waste Receiving and Processing Facility (shipping and receiving only), T- Plant, and Central Waste Complex to treat, store and dispose of legacy and newly generated wastes
- Provide interim storage of spent nuclear fuel and cesium and strontium capsules until dispositioned to an off-site repository
- Operate the 200 Area Liquid Effluent Treatment Facility (LETF) and Liquid Effluent Retention Facility (LERF) in support of 200 Area operations
- Operate the Mixed Waste Trenches
- Site Wide Services
- *Continue suspect transuranic waste retrieval (TPA-M-91-40)*
- *Certify and ship transuranic waste to Waste Isolation Processing Plant (TPA M-91-42)*
- *Treat Mixed Low Level Waste (TPA M-91-42)*
- *Treat 300 cubic meters of large and/or Remote-Handled Mixed, Low Level Waste (TPA M-91-43)*
- *Design of M-91 Large Box/Remote-Handled Transuranic Waste Capability Project (TPA M-91-01)*

Over Baseline Increment – \$207.2M



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Planned Accomplishments -
Central Plateau Activities

Groundwater Protection (RL-0030) - \$417.3M request

FY 2010 Five Year Plan Accomplishments

- Operate and maintain groundwater remediation systems
- Continue groundwater integration activities and environmental data management
- Continue groundwater compliance monitoring
- Initiate new Pump and Treatment system and well network expansion at 100-D.
- Drill monitoring wells as prescribed by TPA M-24-00
- Continue River Corridor remedial investigation/feasibility studies and proposed plans
- Site wide services
- *200 Area Deep Vadose Zone Treatability Test*
- *New Pump and Treatment system and well network expansion in 200 West Area*
- *Initiate in-situ vadose zone remediation treatability test in the River Corridor*
- *Groundwater & Waste Site Remedial Investigations / Feasibility Study for the Central Plateau to support completion of TPA Milestone series M-15-00*
- *Decommission groundwater wells*

Over Baseline Increment: \$242.2M



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Planned Accomplishments - *Central Plateau Activities*

Nuclear Facility D&D – Remainder of Hanford (RL-0040) - \$218.9M request

FY 2010 Five Year Plan Accomplishments

- Maintain Surveillance and Maintenance for waste sites and facilities awaiting final disposition.
- Perform essential infrastructure replacements and upgrades
- Operations of HAMMER facilities
- Site Wide Services
- *Central Plateau soil remediation for U Area*
- *Remediation in the BC Control Zone*
- *Support U Plant Canyon remediation pilot project*
- *Continuation of the regulatory decision process for 4 canyon facilities*

Over Baseline Increment: \$131.8M



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Planned Accomplishments – *Central Plateau Activities*

Nuclear Facility D&D – FFTF (RL-0042) - \$7.1M request

FY 2010 Five Year Plan Accomplishments

- Continue long term Surveillance and Maintenance of Fast Flux Test Facility Complex
 - Maintain all sodium systems under and inert atmosphere
 - Conduct periodic surveillances and walk-throughs
 - Maintain Sodium Storage Facility Operational
 - Maintain 400 Area water system
- Site Wide Services



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Planned Accomplishments - *Central Plateau Activities*

Safeguards and Security (RL-0020) - \$87.7M request

FY 2010 Five Year Plan Accomplishments

- Maintain protection of special nuclear materials
- Maintain site wide security
- Complete Security Configuration Changes at the Canister Storage Building (CSB)



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Planned Accomplishments – *Richland Activities*

Community and Regulatory Support (RL-0100) - \$20.4M request

FY 2010 Five Year Plan Accomplishments

- Funding for the Natural Resource Trustee Council operations
- Continuation of grants to Emergency Preparedness, Self Reliance Foundation, Ecology, Department of Health, and Oregon Department of Energy
- Continue funding Payment-in-Lieu of Taxes (PILT)
- Support to permits and fees including RCRA Mixed Waste and Air Emissions
- Hanford Advisory Board



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