

**Richand Operations Office**  
**FY 2018 Analytical Building Blocks (\$000)**  
**Draft Pre-Decisional**

PBS	ABB Name	FY 2018 (Range \$000)	2018 Cumulative Range	FY 2018 Work Description
RL-0030	Groundwater Monitoring, Integration & Assessment, and Operations and Maintenance	84,000 - 102,000	84,000 - 102,000	Accomplishes ready-to-serve activities to support continued integration of Site-wide groundwater and vadose zone cleanup activities, groundwater contamination monitoring, as well as operations, maintenance, and necessary modifications of existing remediation systems to prevent contamination spread. Continue to meet RCRA well drilling compliance commitments due on an annual basis.
RL-0012	K Basin Facility Operations & Maintenance and Sludge Removal	25,000 - 31,000	109,000 - 133,000	Funding provides operation and maintenance support to maintain the K West Basin, CAT 2 nuclear facility, in a safe and compliant manner. Funding also supports minimum required surveillance and maintenance activities.
RL-0013	Solid Waste Stabilization and Disposition Facility Base Operations	64,000 - 78,000	173,000 - 211,000	Funding provides for the overall management, coordination, direction and customer interface to ensure the proper conduct of operations of Hanford's Solid Waste Stabilization and Disposition programs and facilities. Maintain safe and compliant waste management programs/facilities for the following Solid Waste Stabilization and Disposition facilities: Canister Storage Building which stores Spent Nuclear Fuel from the K Basins; the 200 Area Interim Storage Area buildings which also contain spent nuclear fuel in various packages; Waste Receiving and Processing Facility (WRAP) for processing and shipment of transuranic (TRU) waste; Central Waste Complex (CWC) for compliant treatment and storage of hazardous and radioactive waste; Solid Waste Operations Complex facilities; T Plant for decontamination, treatment and waste repackaging; and the Integrated Disposal Facility which provides an approved near-surface disposal facility for the permanent disposition of mixed low level waste from the Waste Treatment and Immobilization Plant; and low-level waste burial grounds.

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RL-0040	Surveillance and Maintenance for Surplus Facilities and Waste Sites	13,000 - 15,000	186,000 - 226,000	Funding provides surveillance and maintenance activities to ensure safety for waste sites and surplus facilities on Hanford's Central Plateau. Work includes: project management, ES&H oversight, quality management, safety and job hazards analysis, technical support and integration with site activities.
RL-0041	100K Area Remediation and 324 Building Surveillance and Maintenance	9,000 - 11,000	195,000 - 237,000	Accomplishes maintenance support to maintain the 100K Area and 324 Building in a safe and compliant manner by supporting minimum required surveillance and maintenance activities.
RL-0013	ERDF Base Operations	16,000 - 20,000	211,000 - 257,000	This element enables operations of the Environmental Restoration and Disposal Facility (ERDF) to support waste treatment and disposal for the River Corridor Closure Project and other Site cleanup projects.
RL-0042	FFTF Surveillance and Maintenance Support	2,000 - 3,000	213,000 - 260,000	Funding supports long-term safe and compliant surveillance and maintenance for Fast Flux Test Facility and support facilities. This support will be required until the residual and bulk sodium is dispositioned and facility deactivation and decommissioning is resumed.
RL-0020	Hanford Site Safeguards and Security	69,000 - 85,000	282,000 - 345,000	Funding provides an armed protective force (Hanford Patrol), required to protect the Hanford Site against loss of special nuclear material (SNM), classified matter, and radiological and toxicological sabotage events. Hanford Patrol responds to alarms and other emergencies/incidents twenty-four (24) hours a day, seven (7) days a week (24/7), 365 days a year; operates a 24-hour Patrol Operations Center that provides dispatch and emergency communications capability to the Hanford Site, including 9-1-1 medical dispatch; operates Hanford Site barricades; provides mutual aid support to local law enforcement agencies and others as identified consistent with DOE-RL agreements.

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RL-0201	Hanford Site Services including DOE Direct Site Support	224,000 - 274,000	506,000 - 619,000	Funding supports site-wide services (SWS) scope for: utilities/landlord/maintenance; emergency services; safety, environmental, health and training; business services; information management; HAMMER base training program; and B Reactor Preservation and access. Also provides DOE direct site wide activities (e.g. steam, occupational health medicine and IT services); RL integrated baseline development; critical heating systems; essential planning and performance assessment activities to ensure efficient deployment of resources for Hanford cleanup vision.
RL-0100	Regulatory Federal and State Grant Support/Regulatory Support Essential Services	12,000 - 14,000	518,000 - 633,000	Funding supports: offsite agency emergency preparedness programs enabling them to respond to an emergency on the Hanford site; State of Oregon input on Hanford activities; independent monitoring during events from the WA State Department of Health; and the WA State Dept. of Ecology CERCLA grant. Funding also supports: the WA State Dept. of Ecology RCRA Mixed Waste Fee; WA State Department of Health's air emissions monitoring invoice; and the Hanford Advisory Board for public involvement related to the cleanup mission at the Hanford site.
RL-0030	Groundwater Base Operations - ROD Implementation	13,000 - 15,000	531,000 - 648,000	Supports continued operation of groundwater pump and treatment systems per the Interim and Final Record of Decisions.
RL-0012	Containerized Sludge and Engineering Support	7,000 - 9,000	538,000 - 657,000	Funding supports readiness and start-up activities for the Engineered Container Retrieval and Transfer System (ECRTS).
RL-0012	Removal of Sludge to Central Plateau	15,000 - 19,000	553,000 - 676,000	Funding supports Sludge Removal Project and T Plant readiness review activities in support of removing sludge from 105KW Basin Annex Building and transport to T Plant for interim storage.

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RL-0201	Hanford Site Infrastructure Reliability Projects for RL and ORP	18,000 - 22,000	571,000 - 698,000	Funding supports critical infrastructure systems (roads, electrical, water, facility systems) and projects required for continue Hanford environmental remediation and Site Mission needs.
RL-0030	River Corridor Record of Decision	2,000 - 4,000	573,000 - 702,000	Supports CERCLA documentation to obtain RODs for the River Corridor.
RL-0013	TRU Large Container Repackaging and Certification	18,000 - 22,000	591,000 - 724,000	This scope accomplishes repackaging and preparation for certification of large container Contact-Handled TRUM waste and/or Remote Handled TRUM waste at an offsite, commercial facility.
RL-0013	Cesium and Strontium Capsule Disposition	18,000 - 22,000	609,000 - 746,000	Supports the accomplishment of activities noted in the Mission Need Statement for the Management of the Cesium and Strontium Capsules, by moving the capsules to dry storage. This effort would be required to support the secretarial initiative for deep borehole disposal.
RL-0030	Groundwater Well Network Expansion, Remedy Implementation	11,000 - 13,000	620,000 - 759,000	Funding supports characterization and CERCLA documentation to obtain RODs for groundwater and deep vadose zone on the Central Plateau. Also supports the implementation of the 300 Area ROD.
RL-0201	Hanford Site Infrastructure Reliability Projects for RL and ORP	18,000 - 22,000	638,000 - 781,000	Funding supports critical infrastructure systems (roads, electrical, water, facility systems) and projects required for continue Hanford environmental remediation and Site Mission needs.
RL-0041	618-10 VPU Remediation	25,000 - 31,000	663,000 - 812,000	Funding supports River Corridor Closure Project 618-10 burial ground Vertical Piping Unit (VPU) remediation and associated waste treatment and disposal.
RL-0041	River Corridor 300-296 Waste Site Remediation	48,000 - 60,000	711,000 - 872,000	Funding supports River Corridor Closure Project 300-296 waste site remediation.
RL-0041	River Corridor 324 Facility D&D	5,000 - 7,000	716,000 - 879,000	Funding supports the River Corridor Closure Project 324 Building demolition planning activities.

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RL-0041	100K Area Remediation	49,000 - 59,000	765,000 - 938,000	Funding supports 100K Area waste site remediation and facility deactivation, decontamination, decommissioning and demolition (D4) and disposal.
RL-0040	Canyon Demolition Preparation and Risk Reduction	26,000 - 32,000	791,000 - 970,000	Funding supports work on REDOX roof, identification of hazards within the PUREX/REDOX canyons, and development of necessary regulatory and operation documents to mitigate and/or remove th hazards.
RL-0030	Groundwater Decision Documents and Remedies	42,000 - 52,000	833,000 - 1,022,000	Funding supports 200-UP-1 Chromium Investigation per the 200-UP-1 ROD. Also supports river corridor well network expansion to support final decisions and the 100-NR-2 barrier.
RL-0041	RCCP 618-11 Burial Ground Remediation	19,000 - 23,000	852,000 - 1,045,000	Funding supports River Corridor Closure Project 618-11 burial ground remediation and associated waste treatment and disposal.
RL-0030	Records of Decision for the Central Plateau Waste Sites, Pipelines and Canyons	7,000 - 9,000	859,000 - 1,054,000	Supports characterization and CERCLA documentation to obtain RODs for the Central Plateau (waste sites, pipelines and canyons)
RL-0201	Hanford Site Infrastructure Reliability Projects for RL and ORP	27,000 - 33,000	886,000 - 1,087,000	Funding supports critical infrastructure systems (roads, electrical, water, facility systems) and projects required for continue Hanford environmental remediation and Site Mission needs.
RL-0040	200 Area Remediation	26,000 - 32,000	912,000 - 1,119,000	Supports canyon CERCLA Decision Documents and Central Plateau waste site remediation activities.
<b>Total FY 2018 Requirements</b>			<b>\$912,000 - \$1,119,000</b>	