

**Environmental Management
Proposed Appropriations Language**

Defense Environmental Cleanup

For Department of Energy expenses, including the purchase, construction, and acquisition of plant and capital equipment and other expenses necessary for atomic energy defense environmental cleanup activities in carrying out the purposes of the Department of Energy Organization Act (42 U.S.C. 7101 et seq.), ~~[\$7,285,000,000]~~ \$6,956,000,000, to remain available until expended: Provided, that of such amount, ~~[\$326,893,000]~~ \$312,818,000 shall be available until September 30, ~~[2025]~~2026, for program direction.

(INCLUDING TRANSFER OF FUNDS)

For an additional amount for atomic energy defense environmental cleanup activities for Department of Energy contributions for uranium enrichment decontamination and decommissioning activities, \$384,957,000, to be deposited into the Defense Environmental Cleanup account, which shall be transferred to the "Uranium Enrichment Decontamination and Decommissioning Fund".

Non-Defense Environmental Cleanup

For Department of Energy expenses, including the purchase, construction, and acquisition of plant and capital equipment and other expenses necessary for nondefense environmental cleanup activities in carrying out the purposes of the Department of Energy Organization Act (42 U.S.C. 7101 et seq.), ~~[\$342,000,000]~~ \$322,371,000, to remain available until expended: Provided, That in addition, fees collected pursuant to subsection (b)(1) of section 6939f of title 42, United States Code, and deposited under this heading in fiscal year 2024 pursuant to section 309 of title III of division C of Public Law 116–94 are appropriated, to remain available until expended, for mercury storage costs. Note. —This account is operating under the Full-Year Continuing Appropriations and Extensions Act, 2025 (division A of Public Law 119–4).

Uranium Enrichment Decontamination and Decommissioning Fund

For Department of Energy expenses necessary in carrying out uranium enrichment facility decontamination and decommissioning, remedial actions, and other activities of title II of the Atomic Energy Act of 1954, and title X, subtitle A, of the Energy Policy Act of 1992, ~~[\$855,000,000]~~ \$814,380,000, to be derived from the Uranium Enrichment Decontamination and Decommissioning Fund, to remain available until expended, of which \$0 shall be available in accordance with title X, subtitle A, of the Energy Policy Act of 1992. Note. —This account is operating under the Full-Year Continuing Appropriations and Extensions Act, 2025 (division A of Public Law 119–4).

**Environmental Management
(\$K)**

	FY2024 Enacted	FY2025 Enacted	FY2026 Request
Defense EM Funded UE D&D Fund Contribution	285,000	285,000	278,000
Defense Environmental Cleanup	7,285,000	7,285,000	6,956,000
Non-Defense Environmental Cleanup	342,000	342,000	322,371
Uranium Enrichment Decontamination and Decommissioning Fund	855,000	855,000	814,380
Subtotal, Environmental Management	8,767,000	8,767,000	8,370,751
D&D Fund Offset	-285,000	-285,000	-278,000
Total, Environmental Management	8,482,000	8,482,000	8,092,751

Overview

The Office of Environmental Management (EM) mission is to complete the safe cleanup of the environmental legacy brought about from decades of nuclear weapons development and government-sponsored nuclear energy research. EM's priority is to ensure the safety and health of the public and EM's workforce while continuing to protect the environment. The EM program is responsible for the cleanup of millions of gallons of radioactive waste; the safe management and disposition of thousands of tons of spent nuclear fuel and nuclear material; disposition of large volumes of transuranic waste and mixed low-level waste; remediation of huge quantities of contaminated soil and groundwater; and deactivation and decommissioning of thousands of excess facilities.

EM leverages the best of American industry to safely and effectively meet the federal government's legal responsibility to address the environmental legacy of past nuclear weapons programs and nuclear energy research while ensuring taxpayer resources are allocated appropriately and cost-effectively. Approximately 95% of EM's budget is spent on contractors. EM's new contracts exemplify DOE's commitment to continue supporting a highly skilled, diverse workforce that provides more than 27,000 jobs in safe and healthy workplaces complex wide.

To advance cleanup, EM will continue to work collaboratively with regulators on common-sense solutions, identify, develop and deploy innovative technologies and science-based solutions, analyze cleanup approaches with the potential to accelerate the mission, and apply best practices and lessons learned to make cleanup safer, more efficient and more cost-effective.

FY 2024 Key Accomplishments

- Completed the Cold Commissioning Management Assessment of the Waste Treatment and Immobilization Plant at Hanford
- Treated 100,000 cumulative gallons of radioactive sodium-bearing tank waste at the Idaho Integrated Waste Treatment Unit
- Completed commissioning of the Waste Isolation Pilot Plant (WIPP) Safety Significant Confinement Ventilation System and initiate the readiness review process.
- Completed disposition of 1 million pounds of hazardous R-114 refrigerant from the Paducah Site
- Disposed of a cumulative 20,000 tons of waste since starting the Main Plant Process Building at the West Valley Demonstration Project
- Completed construction of Saltstone Disposal Unit 9 at the Savannah River Site
- Completed removal of a cumulative 15 million tons of radioactive material from the Moab Site
- Received 450 TRU waste shipments from Los Alamos to the Waste Isolation Pilot Plant

FY 2026 Budget Request

In FY 2026, EM will maintain and build upon the momentum generated through recent cleanup successes.

The FY 2026 investment of \$8,092,751,000 in discretionary budget authority, will fund activities to maintain a safe and secure posture in the EM complex, while maximizing cleanup activities. To that end, we will engage with our federal and state regulators regarding compliance requirements and achieving cleanup progress. EM is ready to effectively and efficiently utilize the resources the request provides to make significant progress.

Working Capital Fund

In FY 2026, EM's share of the Working Capital Fund is estimated at \$28,937,000 which is split funded between Program Direction (through Headquarters Working Capital Fund Other Related Expenses line of account) and EM's environmental cleanup program activities.

The table below provides a complete breakout of the Working Capital Fund Business Lines and how the activities are funded between Program Direction and EM cleanup activities.

FY 2026 Working Capital Fund Estimate

	Program Direction	EM Cleanup	Total
A123	0	392	392
Building Occupancy	5,834	0	5,834
Copy Services	0	60	60
Corporate Business Systems	1,592	6,466	8,058
Corp Training Services	347	0	347
Financial Statement Audits	0	2,499	2,499
Health Services	153	0	153
Human Resources IT	1,025	0	1,025
Interagency Transfers	0	1,488	1,488
Mail & Transportation	0	155	155
Overseas Presence	423	0	423
Pension Studies	0	137	137
PMCDP	0	703	703
Print & graphics	0	104	104
Procurement Management	0	5,787	5,787
Supply	68	0	68
Telecom	1,704	0	1,704
Total	11,146	17,791	28,937

**Environmental Management
Funding by Congressional Control (\$K)**

	FY 2024 Enacted	FY 2025 Enacted	FY 2026 Request	FY 2026 Request vs FY 2025 Enacted \$	FY 2026 Request vs FY 2025 Enacted (%)
Defense EM Funded UE D&D Fund Contribution					
Contribution to the Uranium Enrichment D&D Fund	285,000	285,000	278,000	-7,000	-2%
Defense Environmental Cleanup					
Closure Sites					
Closure Sites Administration	3,023	1,350	500	-850	-63%
Handford Site					
Central Plateau Remediation	784,489	797,000	754,259	-42,741	-5%
Richland Community and Regulatory Support	10,700	11,130	10,700	-430	-4%
River Corridor and Other Cleanup Operations	200,000	155,000	68,562	-42,741	-56%
Construction					
24-D-401: Environmental Restoration Disposal Facility Supercell	1,000	25,000	0	-25,000	-100%
11 Expansion Project					
22-D-401: Eastern Plateau Fire Station, (RL-0201)	7,000	13,500	0	-13,500	-100%
22-D-402: 200 Area Water Treatment Facility, (RL-0201)	11,200	7,800	4,000	-3,800	-49%
23-D-404: 181D Export Water System Reconfiguration and Upgrade	27,149	0	0	+0	0%
23-D-405: 181B Export Water System Reconfiguration and Upgrade	462	1,168	0	-1,168	-100%
Total, Construction	46,811	47,468	4,000	-43,468	-92%
Total, Hanford Site	1,042,000	1,010,598	837,521	-173,077	-17%
Idaho National Laboratory					
Idaho Cleanup and Waste Disposition	425,000	435,006	452,242	+17,236	+4%
Idaho Community and Regulatory Support	2,705	2,705	3,779	+1,074	+40%
Construction					
22-D-403: Idaho Spent Nuclear Fuel Staging Facility, ID (ID-0012B-D)	2,000	2,000	2,000	+0	0%
23-D-402: Calcine Disposition Project	2,000	2,000	2,000	+0	0%

22-D-404: Additional ICDF Landfill Disposal Cell and Evaporation Ponds Project (ID-0030B)	46,500	39,300	0	-39,300	-100%
Total, Construction	50,500	43,300	4,000	-39,300	-91%
Total, Idaho National Laboratory	478,205	481,011	460,021	-20,990	-4%
NNSA Sites					
Lawrence Livermore National Laboratory	1,879	1,879	1,955	+76	+4%
LLNL Excess Facilities D&D	35,000	0	0	+0	+0%
Los Alamos Excess Facilities D&D	13,648	13,648	1,693	-11,955	-88%
Los Alamos National Laboratory	273,831	285,831	278,288	-7,543	-3%
Nevada	73,352	63,377	64,835	+1,458	2%
Sandia National Laboratories	2,264	2,264	1,030	-1,234	-55%
Separations Processing Research Unit	15,300	1,300	950	-,350	-27%
Total, NNSA Sites	415,274	368,299	348,751	-19,548	-5%
Oak Ridge					
OR Cleanup and Disposition	72,000	72,000	75,000	+3,000	+4%
OR Nuclear Facility D&D	364,000	385,673	346,562	-39,111	-10%
OR Reservation Community and Regulatory Support	5,500	5,500	5,900	+400	+7%
OR Technology Development and Deployment	3,000	3,000	3,300	+300	+10%
U233 Disposition Program	55,000	60,000	63,000	+3,000	+5%
Construction					
14-D-403: Outfall 200 Mercury Treatment Facility, OR (OR-0041)	30,000	44,000	34,885	-9,115	-21%
17-D-401: On-Site Disposal Facility	35,000	10,000	15,050	+5,050	+51%
Total, Construction	65,000	54,000	49,935	-4,065	-8%
Total, Oak Ridge	564,500	580,173	543,697	-36,476	-6%
Office of River Protection					
Tank Farm Activities	994,691	847,065	923,212	-76,147	+9%
Waste Treatment and Immobilization Plant	50,000	165,003	390,415	+225,412	+137%
Construction					
15-D-409: Low-Activity Waste Pretreatment System	60,000	37,500	78,600	+41,100	+110%
23-D-403: Hanford 200 West Area Tank Farms Risk Management Project	15,309	37,809	108,200	+70,391	+186%
01-D-16E: Pretreatment Facility	20,000	0	0	+0	0%
01-D-416: Waste Treatment and Immobilization Plant, RL	600,000	600,000	600,000	+0	0%

18-D-16: Waste treatment and immobilization plant LBL/Direct feed LAW	150,000	250,000	0	-250,000	-100%
Total, Construction	845,309	925,309	786,800	-138,509	-15%
Total, Office of River Protection	1,890,000	1,937,377	2,100,427	+163,050	+8%
Savannah River Site					
Radioactive Liquid Tank Waste Stabilization and Disposition	986,573	1,066,000	1,066,000	+0	0%
Savannah River Legacy Pensions	33,000	0	0	+0	0%
Savannah River National Laboratory O&M	42,000	42,000	90,719	+48,719	+116%
Savannah River Risk Management Operations	452,866	472,422	396,394	-76,028	-16%
SR Community and Regulatory Support	12,389	12,389	5,317	-7,072	-57%
Construction					
18-D-401: Saltstone Disposal Unit #8/9, SR (SR-0014C)	31,250	0	0	+0	0%
20-D-401: Saltstone Disposal Unit #10 11 12	56,250	56,250	52,500	-3,750	-7%
18-D-402: Emergency Operations Center	34,733	0	0	+0	0%
19-D-701: SR Security Systems Replacement	0	0	708	+708	0%
Total, Construction	122,233	56,250	53,208	-3,042	-5%
Total, Savannah River Site	1,649,061	1,649,061	1,611,638	-37,423	-2%
Program Support					
Mission Support	63,504	17,504	20,320	+2,816	+16%
Program Direction	326,893	326,893	312,818	-14,075	-4%
Safeguards and Security	352,645	387,645	288,871	-98,774	-25%
Technology Development and Deployment					
Mission Support	35,569	35,569	16,012	-19,557	-55%
Waste Isolation Pilot Plant					
Waste Isolation Pilot Plant	369,961	447,320	413,424	-33,896	-8%
Construction					
15-D-411: Safety Significant Confinement Ventilation System, WIPP	44,365	1,000	0	-1,000	-100%
15-D-412: Utility Shaft	50,000	1,200	0	-1,200	-100%
21-D-401: Hoisting Capability Project	0	40,000	2,000	-38,000	-95%
Total, Construction	94,365	42,200	2,000	-40,200	-95%
Total, Waste Isolation Pilot Plant	474,613	504,829	426,774	-78,055	-15%
Total, Defense Environmental Cleanup	7,285,000	7,285,000	6,956,000	-329,000	-5%

Non-Defense Environmental Cleanup

Mercury Storage Receipts	3,000	3,000	3,000	+0	0%
Management and Storage of Elemental Mercury	0	5,000	0	-5,000	-100%
Fast Flux Test Reactor Facility D&D	3,200	3,200	3,200	+0	0%
Gaseous Diffusion Plants					
Paducah Gaseous Diffusion Plant	74,608	76,317	70,416	-5,901	-8%
Portsmouth Gaseous Diffusion Plant	65,877	71,683	72,110	+427	+1%
Total, Gaseous Diffusion Plants	140,485	148,000	142,526	-5,474	-4%
Small Sites					
Energy Technology Engineering Center	18,000	10,000	10,000	+0	0%
Idaho National Laboratory	11,500	11,500	12,500	+1,000	+9%
Lawrence Berkeley National Laboratory	6,000	0	0	+0	0%
Moab	67,000	74,420	64,265	-10,155	-14%
Other Sites	5,935	0	0	+0	0%
Total, Small Sites	108,435	95,920	86,765	-10,155	-14%
West Valley Demonstration Project	89,880	89,880	89,880	+0	0%
Total, Non-Defense Environmental Cleanup	342,000	342,000	322,371	-19,629	-6%

Uranium Enrichment Decontamination and Decommissioning Fund**U/Th Reimbursements**

Mission Support	0	0	5,115	+5,115	0%
Oak Ridge	91,000	91,000	65,000	-26,000	-29%
Paducah	240,000	247,552	240,589	-6,963	-3%
Portsmouth					
Portsmouth Gaseous Diffusion Plant	418,258	418,258	453,106	+34,848	+8%
Construction					
20-U-401: On Site Waste Disposal Facility (Cell Line 2&3)	74,552	82,000	14,000	-68,000	-83%
25-U-401: On Site Waste Disposal Facility Liner Buildout and Final Cover System	0	0	20,000	+20,000	0%
Total, Construction	74,552	82,000	34,000	-48,000	-59%
Total, Portsmouth	492,810	500,258	487,106	-13,152	-3%
Pension and Community and Regulatory Support					

Oak Ridge	24,792	9,792	10,115	+323	3%
Paducah Gaseous Diffusion Plant	2,838	2,838	2,895	+57	+2%
Portsmouth Gaseous Diffusion Plant	3,560	3,560	3,560	+0	0%
Total, Pension and Community and Regulatory Support	31,190	16,190	16,570	+380	+2%
Total, Uranium Enrichment Decontamination and Decommissioning Fund	855,000	855,000	814,380	-40,620	-5%
Total, Environmental Management	8,770,000	8,770,000	8,373,751	-396,249	-5%
Mercury Storage Receipts	-3,000	-3,000	-3,000	+0	0%
D&D Fund Offset	-285,000	-285,000	-278,000	+7,000	-2%
Total, Environmental Management	8,482,000	8,482,000	8,092,751	-389,249	-5%

SBIR/STTR:

- FY 2024 Enacted Transfer: SBIR \$1,408; STTR \$0
- FY 2025 Enacted: SBIR \$1,408; STTR \$0
- FY 2026 Request: SBIR \$704; STTR \$0

**Environmental Management
Funding by Budget Chapters (\$K)**

	FY 2024 Enacted	FY 2025 Enacted	FY 2026 Request	FY 2026 Request vs FY 2025 Enacted \$	FY 2026 Request vs FY 2025 Enacted (%)
Carlsbad	474,613	504,829	426,774	-78,055	-15%
Idaho	489,705	492,511	472,521	-19,990	-4%
Oak Ridge	694,292	694,965	635,812	-59,153	-9%
Paducah	333,976	343,617	332,327	-11,290	-3%
Portsmouth	579,611	593,264	582,007	-11,257	-2%
Richland	1,145,866	1,133,564	970,514	-163,050	-14%
River Protection	1,890,000	1,937,377	2,100,427	+163,050	+8%
Savannah River	1,811,994	1,819,061	1,684,764	-134,297	-7%
Lawrence Livermore National Laboratory	36,879	1,879	1,955	+76	+4%
Los Alamos National Laboratory	292,479	304,479	280,937	-23,542	-8%
Nevada	73,352	63,377	64,835	+1,458	+2%
Sandia National Laboratories	2,264	2,264	1,030	-1,234	-55%
Separations Process Research Unit	15,300	1,300	950	-350	-27%
West Valley Demonstration Project	95,745	97,688	97,868	+180	0%
Energy Technology Engineering Center	18,000	10,000	10,000	+0	0%
Moab	67,000	74,420	64,265	-10,155	-14%
Other Sites					
Closure Sites	3,023	1,350	500	-850	-63%
Lawrence Berkeley National Lab	6,000	0	0	+0	0%
Other Sites	5,935	0	0	+0	0%
Subtotal, Other Sites	14,958	1,350	500	-850	-63%
Program Direction	326,893	326,893	312,818	-14,075	-4%
D&D Fund Deposit	285,000	285,000	278,000	-7,000	-2%
Mission Support	122,073	82,162	55,447	-26,715	-33%
Field Sites	8,770,000	8,770,000	8,373,751	-396,249	-5%
Mercury Storage Receipts	-3,000	-3,000	-3,000	+0	0%
D&D Fund Offset	-285,000	-285,000	-278,000	+7,000	-2%
Total, Environmental Management	8,482,000	8,482,000	8,092,751	-389,249	-5%

Environmental Management
Capital Summary (\$K)
Minor Construction (MC) Notification & Reporting (Use of Authority)

					✓	✓			Original			Current		
					New Notif.	Auth. - Con. Design	Percent Complete		Project Start	Design Complete	Constr. Complete	Project Start	Design Complete	Constr. Complete
Appr	Program	Site	Project Title	Project Description			Original TEC	Previous TEC	Current TEC	Current Constr. Design	Prior Years	FY 2024 Request	FY 2025 Request	FY 2026 Request
					12%				FY 2019	FY 2023	NA	FY 2023	FY 2024	FY 2027
D	Waste Isolation Pilot Plant	Waste Isolation Pilot Plant	Safety Significant Fire Suppression System WHB 411/412	Replace the existing fire system piping and components. This is installation only.				7,515	7515	7,515	874	874	0	0
					✓		0%		NA	NA	NA	FY 2026	FY 2026	FY 2027
D	Waste Isolation Pilot Plant	Waste Isolation Pilot Plant	LPU & PLCs on Surface & Underground	Design, Fabricate and Install Local Processing Units (LPU's) Programmable Logic Controllers (PLCs) that accept analog, digital inputs and provides WIPP's Central Monitoring System (CMS) analog and digital output to control field devices.				8,456	NA	8,456	0	0	NA	NA
					✓		0%		NA	NA	NA	FY 2026	FY 2026	FY 2027
D	Waste Isolation Pilot Plant	Waste Isolation Pilot Plant	Panel 13 CRA_6 Wells	Well construction - drilling, coring, geophysics, core description, boxing core, constructing well, fiberglass casing, screening, well completion with sand, bentonite and surface completion.				6,762	NA	6,762	0	0	NA	NA
	Waste Isolation Pilot Plant			SUBTOTAL										
				22,733					7,515	22,733	874	874	0	0

					✓	✓			Original			Current		
					New Notif.	Auth. - Con. Design			Project Start	Design Complete	Constr. Complete	Project Start	Design Complete	Constr. Complete
Appr	Program	Site	Project Title	Project Description			Original TEC	Previous TEC	Current TEC	Current Constr. Design	Prior Years	FY 2024 Request	FY 2025 Request	FY 2026 Request
					NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
D	MC (TEC <\$5M)	ID	MC (TEC <\$5M)	MC (TEC <\$5M)			20,218		20,218	5,803	0	0	0	20,218
					94%				FY 2023	FY 2023	FY 2025	FY 2023	FY 2023	FY 2025
D	Idaho Cleanup and Waste Disposition	ID	Product Storage Building II	Treated Sodium Bearing Waste storage			20,000	20,000	22,800	1,000	20,000	0	2,800	0
					✓		0%		FY 2025	FY 2025	FY 2027	2026	2026	FY 2027
D	Idaho Cleanup and Waste Disposition	ID	Road Ready Facility Modifications	Facility modifications in support of Packaging Demonstration activities			11,399	11,399	11,399	1,710	0	0	0	11,399
					✓		0%		FY 2025	FY 2025	FY 2027	FY 2026	FY 2026	FY 2027
D	Idaho Cleanup and Waste Disposition	ID	Cask Transfer Station	Transfer Station construction in support of Packaging Demonstration activities			15,000	15,000	15,000	2,250	0	0	0	15,000
					✓		0%		FY 2026	FY 2026	FY 2028	FY 2026	FY 2026	FY 2028
D	Idaho Cleanup and Waste Disposition	ID	Increase Product Storage Capacity	Treated Sodium Bearing Waste storage			25,000	25,000	25,000	1,000	0	0	0	25,000
	Idaho			SUBTOTAL			91,617	71,399	94,417	11,763	20,000	0	2,800	71,617

					✓	✓			Original			Current		
					New Notif.	Auth. - Con. Design	Percent Complete		Project Start	Design Complete	Constr. Complete	Project Start	Design Complete	Constr. Complete
Appr	Program	Site	Project Title	Project Description			Original TEC	Previous TEC	Current TEC	Current Constr. Design	Prior Years	FY 2024 Request	FY 2025 Request	FY 2026 Request
D	OR Nuclear Facility D&D	OR	VSludge Solidification System	Design, build and installation of a process facility for treatment of Liquid Low-Level and Sludge Waste to solidify waste for shipment for off-site disposal.	✓		0%		2026	2027	2029		2026	2027
					✓		23,500	NA	23,500	4,500	0	0	0	23,500
D	OR Nuclear Facility D&D	OR	V7961 Pipe Replacement	Replace piping, valves, & flanges at ORNL 7961.	✓		0%		2026	2026	2029		2026	2026
					✓		21,000	NA	21,000	3,525	0	0	0	21,000
D	OR Nuclear Facility D&D	OR	VNuclear Operations Infrastructure	Replacement of 15- 30 year old Nuclear Operations trailers at ORNL.	✓		0%		2026	2026	2027		2027	2027
					✓		7,000	NA	7,000	500	0	0	0	7,000
D	OR Nuclear Facility D&D	OR	VY-12 East Maintenance Facility	Infrastructure support for Y-12 workers/equipmen t	✓		0%		2026	2026	2029		2026	2026
					✓		5,000	NA	5,000	500	0	0		5,000
D	OR Nuclear Facility D&D	OR	VORNL Cleanup Infrastructure Complex Buildout	As originInfrastructure e support for ORNL cleanup workers,ally notified.	✓		0%		2026	2026	2029		2026	2026
					✓		11,600	NA	11,600	2,000	0	0	0	11,600
D	OR Nuclear Facility D&D	OR	VOak Ridge Reservation Landfill Closure Turf Cap	Install partial closure turf cap on LF V and LF VII.	✓		0%		2026	2026	2027		2026	2026
					✓		4,300	NA	4,300	150	0	0	0	4,300
D	OR Cleanup and Disposition	OR	VTWPC Material Storage Facility	Construct facility for TWPC material storage.	✓		0%		2026	2026	2029		2026	2026
					✓		15,000	NA	15,000	1,500	0	0	0	15,000
D	OR Nuclear Facility D&D	OR	VSWSA 1 Piping Replacement	Emergency pipe replacement due to recent bust at SWSA 1			20,000	NA		3,500	0	0	0	20,000
							20%		2024	2024	2025		2024	2024
D	OR Nuclear Facility D&D	OR	LGWO Cathodic Protection.	As originally notified.			5,000	5,000	5,000	520	0	2,000	3,000	0
							35%		2024	2024	2026		2024	2024
D	OR Nuclear Facility D&D	OR	LGWO Pipe Replacement 2600	As originally notified.			23,500	23,500	23,500	3,100	0	9,500	14,000	0
							16%		2024	2024	2025		2024	2024
D	OR Nuclear Facility D&D	OR	ORNL Infrastructure Buildout	As originally notified.			20,500	20,500	20,500	2,300	0	15,500	5,000	0
							39%		2024	2024	2026		2024	2024
D	OR Nuclear Facility D&D	OR	Y-12 Infrastructure Buildout	As originally notified.			21,500	21,500	21,500	2,500	0	16,500	5,000	0
							100%		2023	2023	2024		2023	2023
D	OR Nuclear Facility D&D	OR	Landfill Expansion	Complete			23,000	23,000	16,200	150	11,500	11,500	0	0
							100%		2023	2023	2024		2023	2023
D	OR Nuclear Facility D&D	OR	Bldg. 3608 Above Ground Pipe Replacement.	Complete			25,106	25,106	17,300	2,760	17,803	7,303	0	0
							48%		2024	2023	2025		2024	2023
D	OR Nuclear Facility D&D	OR	Disposal Area Remedial Action Facility Upgrade.	As originally notified.			9,000	9,000	9,000	1,100	0	9,000	0	0
							0%		2024	2024	2025		NA	NA
D	OR Nuclear Facility D&D	OR	Transportation Center Relocation	On hold.			11,000	11,000	11,000	1,300	0	11,000	0	0
							0%		2024	2024	2025		NA	NA
D	OR Nuclear Facility D&D	OR	LGWO Chemical Addition	Project cancelled.			4,500	4,500	4,500	500	0	4,500	0	0
D		OR	SUBTOTAL				230,506	143,106	215,900	26,905	29,303	86,803	27,000	87,400

Environmental Management/
Overview

FY 2026 Congressional Justification

					✓	✓			Original			Current		
					New Notif.	Auth. - Con. Design	Percent Complete		Project Start	Design Complete	Constr. Complete	Project Start	Design Complete	Constr. Complete
Appr	Program	Site	Project Title	Project Description			Original TEC	Previous TEC	Current TEC	Current Constr. Design	Prior Years	FY 2024 Request	FY 2025 Request	FY 2026 Request
							0%		FY 2024	FY 2024	FY 2025	FY 2027	FY 2027	FY 2028
U	Paducah	PAD	Fire Department / Emergency Services Building	installation of the new Emergency Services/Fire Department Facility in FY28 to replace a 1950's vintage facility.			8,414	8,414	14,013	TBD	0	0	0	0
					✓		0%		FY 2025	FY 2025	FY 2027	FY 2025	FY 2025	FY 2027
U	Paducah	PAD	Northwest Plume Interim Remedial Action Optimization	Regulatory Northwest (NW) Plume Interim Remedial Action Optimization project in FY26. Specifically helps to maintain C-400 momentum by upgrading the NW Plume Pump & Treat to enhance capture of the NW Plume Centroid.			10,000	10,000	18,767	TBD	0	0	1,431	1,385
					✓		0%		FY 2026	FY 2026	FY 2028	FY 2026	FY 2026	FY 2028
U	Paducah	PAD	Utility Optimization / Reconfiguration	Reconfiguration of site utilities in FY29 to align with the long-term cleanup mission at the site and reduce base operational power costs.			20,000	20,000	20,704	TBD	0	0	0	0
U	Paducah	PAD	Public Water System Upgrades	Sanitary Water System Upgrades that are needed for potable water at the site.			N/A	N/A	8,484	TBD	0	0	0	422
U	Paducah	PAD	Cleanup Support Facility	Cleanup Support Building that is required to replace the C-100 program support facility			N/A	N/A	29,941	TBD	0	0	0	50
Paducah				SUBTOTAL			38,414	38,414	91,909	TBD	0	0	1,431	473

					✓	✓			Original			Current		
					New Notif.	Auth. - Con. Design	Percent Complete		Project Start	Design Complete	Constr. Complete	Project Start	Design Complete	Constr. Complete
Appr	Program	Site	Project Title	Project Description			Original TEC	Previous TEC	Current TEC	Current Constr. Design	Prior Years	FY 2024 Request	FY 2025 Request	FY 2026 Request
							26%		FY 2019	TBD	FY 2024	FY 2020		FY 2028
U	Portsmouth Gaseous Diffusion Plant	PORTS	Electrical Supply and Distribution Gaseous Diffusion Plant	Right sizing the X- 555 electrical distribution for the closure of the site by constructing a new substation.			13,440	24,384	20,713	0	5,285	682	7,039	5,562
							0%		FY 2025	NA	FY 2025	FY2031	NA	FY 2031
U	Portsmouth Gaseous Diffusion Plant	PORTS	Sanitary Water Treatment Facility Equipment Upgrade	Reconfigure X-611 in order to eliminate lime usage.			7,600	7,600	7,600	TBD	0	0	0	0
					✓		0%		FY 2027	NA	FY 2027	FY 2027	NA	FY 2027
U	Portsmouth Gaseous Diffusion Plant	PORTS	Reroute Perimeter Road	Reroute due to re- industrialization in land parcels transferred to Southern Ohio Diversification Initiative.			5,000	N/A	5,000	TBD	0	0	0	0
	Portsmouth			SUBTOTAL			26,040	31,984	33,313	TBD	5,285	682	7,039	5,562
U	Portsmouth Gaseous Diffusion Plant	PORTS	MC (TEC <\$5M)	SUBTOTAL			0	0	0	0	0	0	655	655
U	Portsmouth Gaseous Diffusion Plant	Portsmouth	MC UED&D Total	TOTAL UED&D			26,040	31,984	33,313	TBD	5,285	682	7,694	6,217

					✓	✓			Original			Current		
					New Notif.	Auth. - Con. Design	Percent Complete		Project Start	Design Complete	Constr. Complete	Project Start	Design Complete	Constr. Complete
Appr	Program	Site	Project Title	Project Description			Original TEC	Previous TEC	Current TEC	Current Constr. Design	Prior Years	FY 2024 Request	FY 2025 Request	FY 2026 Request
							0%		FY 2025	FY 2026	FY 2028	FY 2025	FY 2026	FY 2029
D	Central Plateau Remediation	RL	W-220 CH Shipping Facility	Design and construct a shipping facility to support the contact handled Transuranic waste shipments offsite.			7,000	7,000	7,000	1,650	0	0	7,000	0
							0%		FY 2025	FY 2025	FY 2025	FY 2025	FY 2025	FY 2025
D	Central Plateau Remediation	RL	W-215 MWT Leachate Tanks	Design, remove and replace the Mixed Waste Trenches leachate tanks.			2,150	2,150	2,150	150	0	0	2,150	0
							0%		FY 2026	FY 2027	FY 2028	FY 2026	FY 2027	FY 2028
N	Fast Flux Test Reactor Facility D&D	RL	XXX 400 Area Water Systems	Design and construct the 400 Area water system upgrade.			6,000	6,000	6,000	2,400	0	0	0	6,000
							0%					FY 2021	FY 2023	FY 2027
D	Environmental Management - Defense	RL	L-838, Water Feeds to 622R, 6608 & 200W Lagoons	Converting the 622R Meteorology (Met) Lab fire protection water supply from the export water (EW) system to the raw water (RW) system and installing permanent in- ground sanitary water (SW) and RW supply lines to the 200W Sewer Lagoons and 6608 Biosolids Handling Facility.			3,105	13,646	8,867	497	59	0	0	0
							0%		Prior Contractor			FY 2020	FY 2020	FY 2026
D	Environmental Management - Defense	RL	L-850, Replace 200W 1.1M Gallon PW Tank (DFLAW Priority)	Design and construct replacement 1.1M gallon sanitary water tank in 200W. Additionally, the project will demolish and remove the existing tank in 200W.			1,978	13,308	27,035	540	11,235	12000	3800	0

					✓	✓			Original			Current		
					New Notif.	Auth. - Con. Design	Percent Complete		Project Start	Design Complete	Constr. Complete	Project Start	Design Complete	Constr. Complete
Appr	Program	Site	Project Title	Project Description			Original TEC	Previous TEC	Current TEC	Current Constr. Design	Prior Years	FY 2024 Request	FY 2025 Request	FY 2026 Request
					0%			Prior Contractor				FY 2020	FY 2020	FY 2026
D	Environmental Management - Defense	RL	L-894, Raw Water Cross Connection Isolation 200E/W	Design, procure, and construct water system components that will eliminate cross- connections between the RW systems and the potable and export water systems in accordance with WAC 246-290.			8,181	7,485	7,820	546	7,518	0	0	302
					0%			Prior Contractor				FY 2020	FY 2020	FY 2025
D	Environmental Management - Defense	RL	L-895, Fire Protection Infrastructure for Plateau Raw Water	The project will add the necessary fire protection infrastructure to the RW systems in the 200E and 200W Areas.			8,637	23,344	26,169	1,966	17,534	3662	4973	0
					0%							FY 2020	FY 2024	FY 2030
D	Environmental Management - Defense	RL	L-898, 100 Area Mission Critical Distribution Feeders Replacement	Design, rebuild, and reroute the 100 Area electrical distribution system (lines C9- L3 and C9-L4) to align with post River Corridor cleanup (current) and future main load centers at 100K, 100B, and 100D Areas.			7,100	7,296	24,787	1,064	1,806	12161	7200	0
					0%			Prior Contractor				FY 2020	FY 2030	Design Only
D	Environmental Management - Defense	RL	L-907, Fleet Complex Site Development	Design new fleet shop facilities including a 30,000+ SF Heavy Equipment Shop, a 21,000+ SF Auto/Truck Shop, two associated 4,000 SF permanent storage structures and associated site development including utilities, parking, landscaping, etc.			1,799	3,198	1,792	1,792	3	0	0	0

					✓	✓			Original			Current		
					New Notif.	Auth. - Con. Design	Percent Complete		Project Start	Design Complete	Constr. Complete	Project Start	Design Complete	Constr. Complete
Appr	Program	Site	Project Title	Project Description			Original TEC	Previous TEC	Current TEC	Current Constr. Design	Prior Years	FY 2024 Request	FY 2025 Request	FY 2026 Request
							0%					FY 2027		
D	Environmental Management - Defense	RL	L-927, Sanitary Water Cross-tie Line 200E/W	Sanitary Water Cross-Tie Line between 200 East and 200 West will provide approximately 5 mi of 16-in. sanitary water (SW) line to augment the existing 12-in. SW line. The current 12-in. SW line is the only SW line between 200 West and the Fire Station – 200 Areas (609A).			7,436	19,108	13,631	344	41	0	0	0
							0%					FY 2025		
D	Environmental Management - Defense	RL	L-928 Reroute 12in Raw Water Line Near 241AP Farm	Reroute Raw and Sanitary Lines Near 241AP Farm addresses the need for a new 12-in raw water (RW) line and the replacement of the existing 2 in sanitary water (SW) line near the 241AP Tank Farm to avoid the risk of future operational impacts to the Tank Farms,			1,627	7,500	8,018	323	518	0	7500	0
				Tank Side Cesium Removal (TSCR) complex, and the Waste Treatment and Immobilization Plant.										
							0%					FY 2025		
D	Environmental Management - Defense	RL	MS-006 Electric Vehicle Charging Stations	Provide electrical vehicle charging stations across Hanford in accordance with guidance from HQ. The charging locations will be decided based upon the contractor EV sitewide study and provide continuous vehicle operation across site.			14,800	14,800	14,800		0	0	14800	0
				Scope includes planning, design, procurement, construction, and selecting locations for implementation.										

					✓	✓			Original			Current		
					New Notif.	Auth. - Con. Design	Percent Complete		Project Start	Design Complete	Constr. Complete	Project Start	Design Complete	Constr. Complete
Appr	Program	Site	Project Title	Project Description			Original TEC	Previous TEC	Current TEC	Current Constr. Design	Prior Years	FY 2024 Request	FY 2025 Request	FY 2026 Request
					0%			FY 2025						
D	Environmental Management - Defense	RL	Occ Med Facility	Includes planning, design, procurement, construction, and selection of a location to provide a new/renovated space for Hanford Sitewide medical. The facility will provide emergency medical care, quick response, and a location for health services.			5,000	5,000	5,000		0	0	5000	0
				Several options are currently being evaluated that include a mobile facility or utilizing existing infrastructure on site.										
					56%			FY 2023		FY 2023	FY 2024	FY 2023	FY 2023	FY 2025
D		RL	G840, Procure/Install WMA C/A-AX Farm Ext System	This work scope places necessary pipelines and a transfer station needed to convey contaminated groundwater from extraction wells at the C/A-AX Tank Farms to the existing 200 West Pump & Treat facility for treatment.			7,130		12,064	141	12,064	0	0	0
					0%			FY 2025		FY 2025	FY 2025	FY 2025	FY 2025	FY 2025
D		RL	XXX 200-ZP-1 Air Stripper Installation	Installation of an additional air stripper to accomodate increased capacity needs.			3,800	3,800	3,800	100	0	0	3800	0

					✓	✓			Original			Current		
					New Notif.	Auth. - Con. Design	Percent Complete		Project Start	Design Complete	Constr. Complete	Project Start	Design Complete	Constr. Complete
Appr	Program	Site	Project Title	Project Description			Original TEC	Previous TEC	Current TEC	Current Constr. Design	Prior Years	FY 2024 Request	FY 2025 Request	FY 2026 Request
			V		0%				FY 2025	FY 2025	FY 2026	FY 2025	FY 2025	FY 2026
D		RL	XXX 200-BP- 5/200-PO-1 Cross Site Transfer Line	Installation of a cross-site transfer line from the 200 East Area to the 200 West Pump & Treat Facility			6,400	6,400	6,400	250	0	0	6400	0
		Richland		SUBTOTAL			92,143	140,035	175,333	11,763	50,778	27,823	62,623	6,302

					✓	✓			Original			Current		
					New Notif.	Auth. - Con. Design	Percent Complete		Project Start	Design Complete	Constr. Complete	Project Start	Design Complete	Constr. Complete
Appr	Program	Site	Project Title	Project Description			Original TEC	Previous TEC	Current TEC	Current Constr. Design	Prior Years	FY 2024 Request	FY 2025 Request	FY 2026 Request
D	ORP	ORP	MC (TEC <\$5M)	NA			0	0	0	0	0	0	16,200	0
							0%		FY 2025	FY 2025	FY 2026	FY 2025	FY 2025	FY 2026
D	ORP	ORP	Tank Farms Operations Modular Trailer	10-wide modular trailer for personnel supporting tank waste pretreatment operations.			10,000	10,000	15,000	1,000	0	0	15,000	0
							0%		FY 2025	FY 2025	FY 2027	FY 2025	FY 2025	FY 2027
D	ORP	ORP	SY Farm Flush Water System	New SY Tank Farm water building to facilitate cross-site transfers, inter-farm transfers, and flushes.			23,600	23,600	23,600	2,220	0	0	23,600	0
							0%		FY 2026	FY 2027	FY 2028	FY 2028	FY 2029	FY 2030
D	ORP	ORP	242-A Evaporator Electrode Boilers	Additions and upgrades to the 242-A Boiler Annex and associated steam system, including conversion from diesel to electric power.			16,400	16,400	16,400	800	0	0	16,400	0
							0%		FY 2025	FY 2026	FY 2027	FY 2025	FY 2026	FY 2027
D	ORP	ORP	242-A Evaporator Slurry Sampling Station	Upgrade the slurry sampling station and associated piping connections and controls. Existing components (isolation valves and flowmeter) have limited life and are showing increasing signs of deterioration. Project provides a new slurry sample station and a mockup slurry sample station.			5,000	5,000	5,000	1,000	0	0	5,000	0

					✓	✓			Original			Current		
					New Notif.	Auth. - Con. Design	Percent Complete		Project Start	Design Complete	Constr. Complete	Project Start	Design Complete	Constr. Complete
Appr	Program	Site	Project Title	Project Description			Original TEC	Previous TEC	Current TEC	Current Constr. Design	Prior Years	FY 2024 Request	FY 2025 Request	FY 2026 Request
					✓		0%		FY 2025	FY 2025	FY 2026	FY 2025	FY 2025	FY 2026
D	ORP	ORP	200 East Area Administration Trailer	Design, procure, place and turnover a new administration trailer to support Tank Operations Contract 24/7 Direct-Feed Low- Activity Waste Operations.			10,000	NA	10,000	1,000	0	0	0	10,000
					✓		0%		FY 2026	FY 2027	FY 2028	FY 2026	FY 2027	FY 2028
D	ORP	ORP	Tank Farms Transfer Line Water Flush Capability	Design, fabricate, install, test and turnover a permanent inhibited water flush system for the 200 East Area waste transfer system in order to further mitigate corrosion and ensure reliant operability in support of 24/7 Direct-Feed Low- Activity Waste Operations.			10,000	NA	10,000	2,000	0	0	0	10,000
							0%		FY 2025	FY 2026	FY 2027	FY 2025	FY 2026	FY 2027
D	ORP	ORP	222-S Ancillary Equipment Addition (Lab Operations Center)	New lab operations center to include new locker rooms, showers, lunchroom, and conference rooms, replacing failing infrastructure in the western portion of 222-S.			11,920	11,920	17,780	1,700	0	0	17,780	0
							0%		FY 2025	FY 2026	FY 2028	FY 2027	FY 2027	FY 2028
D	ORP	ORP	222-S Standards Laboratory	Building to prepare calibration standards for analytical methods and receive and store chemicals used in performing analytical techniques within the 222 S Laboratory.			7,800	7,800	7,800	740	0	0	7,800	0

					✓	✓			Original			Current		
					New Notif.	Auth. - Con. Design	Percent Complete		Project Start	Design Complete	Constr. Complete	Project Start	Design Complete	Constr. Complete
Appr	Program	Site	Project Title	Project Description			Original TEC	Previous TEC	Current TEC	Current Constr. Design	Prior Years	FY 2024 Request	FY 2025 Request	FY 2026 Request
					0%				FY 2025	FY 2026	FY 2028	FY 2025	FY 2026	FY 2028
D	ORP	ORP	222-S Ancillary Equipment Remodel	Facility remodel with manipulator repair stations, manipulator storage, and radiological and analytical support areas.			7,800	7,800	7,800	740	0	0	7,800	0
	ORP			SUBTOTAL			102,520	82,520	113,380	11,200	0	0	93,380	20,000

					✓	✓			Original			Current		
					New Notif.	Auth. - Con. Design			Project Start	Design Complete	Constr. Complete	Project Start	Design Complete	Constr. Complete
Appr	Program	Site	Project Title	Project Description			Original TEC	Previous TEC	Current TEC	Current Constr. Design	Prior Years	FY 2024 Request	FY 2025 Request	FY 2026 Request
INST	SRNL	SRS	Renovate labs C-159 & C-163 773A	Renovation of Lab C159/C-163: Design for D&R, upgrading lab to standard lab model/Including, procurement and installation of (3) GB/Hoods and Vortex Fire Suppression system. Project to Complete FY25			1		FY17	FY18	FY20	FY21	FY20	FY21
							4,189	6,000	7,386	0	6451	1451	935	0
INST	SRNL	SRS	Renovate Labs C-155 Hood & Glovebox	Renovation of Lab C155 to standard lab model, including the procurement and installation of an Inert GB.			0		FY17	FY20	FY22	FY19	FY24	NA
							2,873	4,000	3,250	0	943	285	600	1707
INST	SRNL	SRS	Upgrade SRNL Stack Monitors - Sand Filter Stacks	Upgrade SRNL Sand Filter Stack Monitoring System to a PIC Level 1. Scope includes upgrading the SCDHEC Permit to a PIC Level 1 from PIC Level 3, Design and Fabrication of PIC Level Stack Monitor and Installation.			1		FY22	FY23	FY25	FY22	FY23	FY24
							3,292	3,771	3,771	0	1849	934	1800	122
INST	SRNL	SRS	Renovate Lab B-126/130, 773-A	The Project will provide design and construction to facilitate the renovation of lab B-126 / 130. Project put on hold after Conceptual Design FY20.			0		FY18	FY19	FY22	NA	NA	NA
							1,718	1,718	1,718	0	0	0	0	0

					✓	✓			Original			Current		
					New Notif.	Auth. - Con. Design	Percent Complete		Project Start	Design Complete	Constr. Complete	Project Start	Design Complete	Constr. Complete
Appr	Program	Site	Project Title	Project Description			Original TEC	Previous TEC	Current TEC	Current Constr. Design	Prior Years	FY 2024 Request	FY 2025 Request	FY 2026 Request
INST	SRNL	SRS	Replace Diesel Generator 503-2A	Design for replacing 503-2A Diesel Generator (DG), including D&R of fuel tank, piping, weather protective shelter and diked wall. Generator 400kW, 480V, outdoor rated Diesel Generator (DG) with integral fuel tank, load bank, and all accessories. Project Closed FY24			1		FY20	FY21	FY22	FY20	FY20	FY21
							1,400	1,250	1,233	0	1233	16	0	0
INST	SRNL	SRS	Delta V Control Room C-041 System Upgrade, 773-A	Project was implemented in (3) Phases: Phase I Installation of Front-End System DeltaV HMI Complete in FY22 / Phase II Installation of (7) IO Cabinets/Cabinets Retrofitted with DeltaV Software Replacement for PLC - Completed FY3 / Phase III Replacement of the Push Button			1		FY15	FY17	FY19	FY20	FY21	FY24
				Control Panels & Renovation of the Control Room C-041 including Horseshoe Area - Project to Complete FY25										
							6,610	7,510	8,405	0	7419	1810	986	0
INST	SRNL	SRS	Reno Lab B-065/067 for High Accuracy Isotope Ratio Measurement	Renovation of 773-A Labs B-065/B-067 to configure the lab to support the Installation of a Thermal Ionization Mass Spectrometer (TIMS) unit to perform analysis on radiologically contaminated samples. Project Closed FY24			1		FY21	FY22	FY23	FY21	FY21	FY22
							1,858	3,500	3,492	0	3492	-24	0	0

					✓	✓			Original			Current		
					New Notif.	Auth. - Con. Design	Percent Complete		Project Start	Design Complete	Constr. Complete	Project Start	Design Complete	Constr. Complete
Appr	Program	Site	Project Title	Project Description			Original TEC	Previous TEC	Current TEC	Current Constr. Design	Prior Years	FY 2024 Request	FY 2025 Request	FY 2026 Request
INST	SRNL	SRS	S-TAC Campus Utilities & Build	Design and Build of Non-Rad Facility. (Project put on hold after completion of Title II Design.) Project Placed On- Hold FY24			0		FY23	FY24	FY26	FY23	FY23	FY24
							14,177	22,000	20,000	0	1431	360	0	0
INST	SRNL	SRS	Dynacool Cabinet and Installation Project	773-A C-123 Facility Design and Installation of Dyanacool Cabinet Equipment. Project is Closed.			1		FY23	FY23	FY24	FY24	FY23	FY23
							948	948	650	0	689	521	0	0
INST	SRNL	SRS	Design and Build Modular Secure Compute Facility	Project TEC forecasted at under original ROM. Funding in FY25 forecasted not to exceed \$300K.			1		NA	NA	NA	NA	NA	NA
							2,000	2,000	2,100	0	4	0	2096	1000
D	PBS41	SRS	F-canyon roof replacement	Replaces roof over nuclear facility	✓		0		FY26	FY26	FY29	FY26	FY26	FY26
							20,000	NA	20,000	0	0	0	0	0
		SRS		SUBTOTAL			59,065	52,697	72,005	0	23,511		6,417	2,829

Note: This table reflects notification to Congress of SRNL minor construction projects, including Institutional General Plant Projects in progress and planned to start in FY 2025. It represents planning under the new SRNL M&O contract. Except for previous year costs, previous year table values associated with the Site M&O contract were not carried forward. This table constitutes a rebaselining of minor construction projects with EACs > \$5M and < \$30M for SRNL that are funded by resources drawn from SRNL indirects.

**Environmental Management
Construction Summary (\$K)**

Total	Prior Years	FY 2024 Enacted	FY 2024 Actuals	FY 2025 Enacted	FY 2026 Request	FY 2026 Request vs FY 2025 Enacted
-------	----------------	--------------------	--------------------	--------------------	--------------------	---

**Waste Treatment and Immobilization Plant, Hanford
WA (ORP-0060)**

*18-D-16, Waste Treatment and Immobilization Plant
LBL/Direct Feed LAW*

Total Estimate Cost (TEC)	9,152,700	8,752,700	150,000	483,846	250,000	0	-250,000
Other Project Costs (OPC)	0	0	0	0	0		0

01-D-16D, High-Level Waste Facility

Total Estimate Cost (TEC)	5,167,391	3,367,391	600,000	351,415	600,000	600,000	0
Other Project Costs (OPC)	0	0	0	0	0		0

01-D-16E Pretreatment Facility

Total Estimate Cost (TEC)	3,817,050	3,797,050	20,000	4,200	0	0	0
Other Project Costs (OPC)	0	0	0	0	0		0

Total Estimate Cost (TEC)	18,137,141	15,917,141	770,000	839,461	850,000	600,000	-250,000
----------------------------------	-------------------	-------------------	----------------	----------------	----------------	----------------	-----------------

Other Project Costs (OPC)	0	0	0	0	0	0	0
----------------------------------	----------	----------	----------	----------	----------	----------	----------

Total Project Cost (TPC) 01-D-416	18,137,141	15,917,141	770,000	839,461	850,000	600,000	-250,000
--	-------------------	-------------------	----------------	----------------	----------------	----------------	-----------------

**14-D-403, Outfall 200 Mercury Treatment Facility
(OR-0041)**

Total Estimate Cost (TEC)	TBD	**	10,000	30,357	44,000	34,885	-9,115
Other Project Costs (OPC)	TBD	**	0	0	0	0	0

Total Project Cost (TPC) 14-D-403	TBD	224,000	10,000	30,357	44,000	34,885	-9,115
--	------------	----------------	---------------	---------------	---------------	---------------	---------------

* Project is being rebaselined.

** Congress appropriated line-item funds for TPC beginning in FY 2017.

**15-D-409 Low-Activity Waste Pretreatment System
(ORP-0014)**

Total Estimated Cost (TEC)	TBD	320,053	60,000	2,598	37,500	78,600	+41,100
----------------------------	-----	---------	--------	-------	--------	--------	---------

	Total	Prior Years	FY 2024 Enacted	FY 2024 Actuals	FY 2025 Enacted	FY 2026 Request	FY 2026 Request vs FY 2025 Enacted
Other Project Cost (OPC)	TBD	23,481	7,700	3,444	3,875	15,400	+11,525
Total Project Cost (TPC) 15-D-409	TBD	343,534	67,700	6,042	41,375	94,000	+52,625
17-D-401, On Site Disposal Facility (OR-0041)							
Total Estimate Cost (TEC)	TBD	48,293	34,222	39,662	10,000	15,050	+5,050
Other Project Costs (OPC)	TBD	22,621	778	0	0	0	0
Total Project Cost (TPC) 17-D-401	TBD	70,914	35,000	39,662	10,000	15,050	+5,050
19-D-701, SR Security Replacement System, SR (SR-0042)							
Total Estimate Cost (TEC)	TBD	32,525	0	2,265	0	708	+708
Other Project Costs (OPC)	TBD	0	0	0	0	0	0
Operating Expense Funded (OPEX)	TBD	15,000	0	0	0	0	0
Total Project Cost (TPC) 19-D-701	TBD	47,525	0	2,265	0	708	+708
20-U-401, On Site Waste Disposal Facility – Remaining Infrastructure and Cell 2, 3, and 6 Liner Construction							
Total Estimate Cost (TEC)	341,212	138,833	69,650	64,930	76,200	10,300	-65,900
Other Project Costs (OPC)	31,788	9,722	4,902	4,658	5,800	3,700	-2,100
Total Project Cost (TPC) 20-U-401	373,000	148,555	74,552	69,588	82,000	14,000	-68,000
20-D-401, Saltstone Disposal Unit #10, #11 and #12, SR (SR-0014C)							
Total Estimate Cost (TEC)	451,507	56,537	56,250	41,020	56,250	52,500	-3,750
Other Project Costs (OPC)	44,493	10,000	5,000	2,998	4,200	6,010	+1,810
Total Project Cost (TPC) 20-D-401	496,000	66,537	61,250	44,018	60,450	58,510	-1,940

Total	Prior Years	FY 2024 Enacted	FY 2024 Actuals	FY 2025 Enacted	FY 2026 Request	FY 2026 Request vs FY 2025 Enacted
-------	-------------	-----------------	-----------------	-----------------	-----------------	------------------------------------

21-D-401, Hoisting Capability Project (CB-0080)

Total Estimate Cost (TEC)	0	0	0	0	0	0
Other Project Costs (OPC)	52,000	10,000	0	0	40,000	2,000
Total Project Cost (TPC) 21-D-401	52,000	10,000	0	0	40,000	2,000

22-D-402, 200 Area Central Plateau Water Treatment Facility (RL-0201)

Total Estimate Cost (TEC)	47,700	24,900	11,000	6,556	7,800	2,000
Other Project Costs (OPC)	4,100	3,900	200	677	0	2,000
Total Project Cost (TPC) 22-D-402	51,800	28,800	11,200	7,233	7,800	4,000

22-D-403 Idaho Spent Nuclear Fuel Staging Facility (ID-0012B)

Total Estimate Cost (TEC)	204,513	7,000	1,000	0	0	0
Other Project Costs (OPC)	15,487	4,000	1,000	1,880	2,000	2,000
Total Project Cost (TPC) 22-D-403	220,000	11,000	2,000	1,880	2,000	2,000

23-D-402 Calcine Construction (ID-0014B)

Total Estimate Cost (TEC)	TBD	0	0	0	0	0
Other Project Costs (OPC)	TBD	15,000	2,000	6,222	2,000	2,000
Total Project Cost (TPC) 23-D-402	TBD	15,000	2,000	6,222	2,000	2,000

23-D-403 200 West Area Tank Farms Risk Management Project (ORP-0014)

Total Estimated Cost (TEC)	TBD	4,408	15,309	0	37,809	108,200
Other Project Cost (OPC)	TBD	4,500	5,000	5,462	6,000	18,900
Total Project Cost (TPC) 23-D-403	TBD	8,908	20,309	5,462	43,809	127,100

Total	Prior Years	FY 2024 Enacted	FY 2024 Actuals	FY 2025 Enacted	FY 2026 Request	FY 2026 Request vs FY 2025 Enacted
-------	-------------	-----------------	-----------------	-----------------	-----------------	------------------------------------

25-U-401, On Site Waste Disposal Facility – Liner Buildout and Final Cover System (PO-0040)

Total Estimate Cost (TEC)	TBD	0	0	0	0	16,220	+16,220
Other Project Costs (OPC)	TBD	0	0	0	0	3,780	+3,780
Total Project Cost (TPC) 25-U-401	TBD	0	0	0	0	20,000	+20,000

Total All Construction Projects

Total Estimate Cost (TEC)^c	19,182,073	16,549,690	1,027,431	1,026,849	1,119,559	918,463	-201,096
Other Project Costs (OPC)^c	147,868	103,224	26,580	25,341	63,875	55,790	-8,085
Operating Expense Funded (OPEX)	0	15,000	0	0	0	0	0
Total Project Cost (TPC) All Construction Projects^d	19,329,941	16,891,914	1,054,011	1,052,190	1,183,434	974,253	-209,181

Note: Consistent with the FY 2025 project data sheet for 20-U-401, the FY 2023 Enacted of \$56,820,000 includes an Internal Reprogramming of \$780,000 (15-U-408 to 20-U-401) executed in FY 2023. Also, the 25-U-401 values will be finalized upon baseline approval at CD-2.

ANCILLARY TABLES

**Environmental Management
Appropriation/Fund Type/Site (\$K)**

	FY 2024 Enacted	FY 2025 Enacted	FY 2026 Request	FY 2026 Request vs FY 2025 Enacted \$	FY 2026 Request vs FY 2025 Enacted (%)
Defense Environmental Cleanup					
Operating					
Carlsbad					
CB-0020	10,287	15,309	11,350	-3,959	-26%
CB-0080	285,000	325,000	320,071	-4,929	-2%
CB-0081	26,770	29,000	26,044	-2,956	-10%
CB-0083	20,000	47,325	23,171	-24,154	-51%
CB-0090	38,191	45,995	44,138	-1,857	-4%
Subtotal, Carlsbad	380,248	462,629	424,774	-37,855	-8%
Idaho					
ID-0012B-D	26,000	28,806	23,000	-5,806	-20%
ID-0013B	138,085	156,400	156,399	-1	0%
ID-0014B	190,487	218,000	241,229	+23,229	+11%
ID-0030B	20,800	20,800	25,125	+4,325	+21%
ID-0040	49,628	11,000	6,489	-4,511	-41%
ID-0100	2,705	2,705	3,779	+1,074	+40%
Subtotal, Idaho	427,705	437,711	456,021	+18,310	+4%
Lawrence Livermore National Lab					
CBC-LLNL-0040	35,000	0	0	+0	0%
VL-FOO-0013B-D	430	430	447	+17	+4%
VL-LLNL-0031	1,449	1,449	1,508	+59	+4%
Subtotal, Lawrence Livermore National Lab	36,879	1,879	1,955	+76	+4%
Los Alamos National Lab					
CBC-LANL-0040	13,648	13,648	1,693	-11,955	-88%
VL-FAO-0101	3,394	6,111	5,380	-731	-12%
VL-LANL-0013	115,264	127,264	114,552	-12,712	-10%
VL-LANL-0020	5,000	5,000	956	-4,044	-81%
VL-LANL-0030	155,173	152,456	158,356	+5,900	+4%
Subtotal, Los Alamos National Lab	292,479	304,479	280,937	-23,542	-8%
Mission Support					
HQ-HBCU-0100	56,000	10,000	10,000	+0	0%
HQ-0020	20,000	21,089	11,000	-10,089	-48%
HQ-DD-0100	285,000	285,000	278,000	-7,000	-2%

HQ-MS-0100	7,504	7,504	10,320	+2,816	+38%
Subtotal, Mission Support	368,504	323,593	314,435	-14,158	-19%
Nevada					
VL-NV-0030	47,952	37,977	39,480	+1,503	+4%
VL-NV-0080	20,223	20,223	22,355	+2,132	+11%
VL-NV-0100	5,177	5,177	3,000	-2,177	-42%
Subtotal, Nevada	73,352	63,377	64,835	+1,458	+2%
Oak Ridge					
OR-0011D	55,000	60,000	63,000	+3,000	+5%
OR-0013B	72,000	72,000	75,000	+3,000	+4%
OR-0020	14,000	14,000	17,000	+3,000	+21%
OR-0041	161,757	194,626	183,664	-10,962	-6%
OR-0042	202,243	191,047	162,898	-28,149	-15%
OR-0100	5,500	5,500	5,900	+400	+7%
OR-TD-0100	3,000	3,000	3,300	+300	+10%
Subtotal, Oak Ridge	513,500	540,173	510,762	-29,411	-5%
Other Sites					
CBC-0100-EM	2,423	750	300	-450	-60%
CBC-0100-FN	500	500	100	-400	-80%
CBC-0100-RF	100	100	100	+0	0%
Subtotal, Other Sites	3,023	1,350	500	-850	-63%
Paducah					
PA-0020	16,530	16,910	18,427	+1,517	+9%
Portsmouth					
PO-0020	17,364	17,763	19,231	+1,468	+8%
Program Direction					
HQ-PD-0100	315,747	315,747	301,672	-14,075	-4%
HQ-PDWCF-0100	11,146	11,146	11,146	+0	0%
Subtotal, Program Direction	326,893	326,893	312,818	-14,075	-4%
Richland					
RL-0013C	194,200	201,000	176,289	-24,711	-12%
RL-0020	100,666	119,766	129,793	+10,027	+8%
RL-0030	148,300	142,475	135,439	-7,036	-5%
RL-0040	88,000	43,000	31,000	-12,000	-28%
RL-0041	112,000	112,000	37,562	-74,438	-66%
RL-0100	10,700	11,130	10,700	-430	-4%
RL-0201	441,989	453,525	442,531	-10,994	-2%
Subtotal, Richland	1,095,855	1,082,896	963,314	-119,582	-11%
River Protection					
ORP-0014	994,691	847,065	923,212	+76,147	+9%

ORP-0070	50,000	165,003	390,415	+225,412	+137%
Subtotal, River Protection	1,044,691	1,012,068	1,313,627	+301,559	+30%
Sandia National Lab					
VL-SN-0030	2,264	2,264	1,030	-1,234	-55%
Savannah River					
SR-0011C	301,365	311,343	240,482	-70,861	-23%
SR-0013	43,373	47,951	47,506	-445	-1%
SR-0014C	986,573	1,066,000	1,066,000	+0	0%
SR-0020	162,933	170,000	73,126	-96,874	-57%
SR-0030	62,514	67,514	84,478	+16,964	+25%
SR-0041	24,582	24,582	22,558	-2,024	-8%
SR-0042	21,032	21,032	1,370	-19,662	-93%
SR-0100	12,389	12,389	5,317	-7,072	-57%
SR-0101	33,000	0	0	+0	0%
SR-SRNL-0100	42,000	42,000	90,719	+48,719	+116%
Subtotal, Savannah River	1,689,761	1,762,811	1,631,556	-131,255	-7%
VL-SPRU-0040	15,300	1,300	950	-350	-27%
West Valley Demonstration Project					
OH-WV-0020	5,865	7,808	7,988	+180	+2%
Subtotal, Operating	6,345,782	6,401,473	6,056,057	-345,416	-5%
Line Item Construction					
Carlsbad					
CB-0080	94,365	42,200	2,000	-40,200	-95%
Idaho					
ID-0012B-D	2,000	2,000	2,000	+0	0%
ID-0014B	2,000	2,000	2,000	+0	0%
ID-0030B	46,500	39,300	0	-39,300	-100%
Subtotal, Idaho	50,500	43,300	4,000	-39,300	-91%
Oak Ridge					
OR-0041	65,000	54,000	49,935	-4,065	-8%
Richland					
RL-0013C	1,000	25,000	0	-25,000	-100%
RL-0201	45,811	22,468	4,000	-18,468	-82%
Subtotal, Richland	46,811	47,468	4,000	-43,468	-92%
River Protection					
ORP-0014	75,309	75,309	186,800	+111,491	+148%
ORP-0060	770,000	850,000	600,000	-250,000	-29%
Subtotal, River Protection	845,309	925,309	786,800	-138,509	-15%
Savannah River					
SR-0014C	87,500	56,250	52,500	-3,750	-7%

SR-0042	34,733	0	708	+708	0%
Subtotal, Savannah River	122,233	56,250	53,208	-3,042	-5%
Subtotal, Line Item Construction	1,224,218	1,168,527	899,943	-268,584	-23%
Subtotal, Environmental Management Defense EM Funded UE D&D Fund Contribution	7,285,000	7,285,000	6,956,000	-614,000	-8%
Operating D&D Fund Deposit					
Non-Defense Environmental Cleanup					
Operating					
Energy Technology Engineering Center					
CBC-ETEC-0040	18,000	10,000	10,000	+0	0%
Idaho					
ID-0012B-N	11,500	11,500	12,500	+1,000	+9%
Mission Support					
HQ-MSF	3,000	3,000	0	-3,000	-100%
HQ-MSF-0100	0	5,000	0	-5,000	-100%
Subtotal, Mission Support	3,000	8,000	0	-8,000	-100%
Moab					
CBC-MOAB-0031	67,000	74,420	64,265	-10,155	-14%
Other Sites					
CBC-LBNL-0040	6,000	0	0	+0	0%
Subtotal, Other Sites	6,000	0	0	+0	0%
Paducah					
PA-0011X	74,608	76,317	70,416	-5,901	-8%
Subtotal, Paducah	74,608	76,317	70,416	-5,901	-8%
Portsmouth					
PO-0011X	65,877	71,683	72,110	+427	+1%
Richland					
RL-0042	3,200	3,200	3,200	+0	0%
West Valley Demonstration Project					
OH-WV-0013	31,712	23,714	31,712	+7,998	+34%
OH-WV-0040	58,168	66,166	58,168	-7,998	-12%
Subtotal, West Valley Demonstration Project	89,880	89,880	89,880	+0	0%
Subtotal, Operating	342,000	342,000	322,371	-19,629	-7%
Uranium Enrichment Decontamination and Decommissioning Fund					
Operating					
Mission Support					
HQ-UR-0100	0	0	5,115	+5,115	0%
Oak Ridge					

OR-0040	91,000	91,000	65,000	-26,000	-29%
OR-0102	24,792	9,792	10,115	+323	+3%
Subtotal, Oak Ridge	115,792	100,792	75,115	-25,677	-25%
Paducah					
PA-0040	240,000	247,552	240,589	-6,963	-3%
PA-0102	0	0	30	+30	0%
PA-0103	2,838	2,838	2,865	+27	+1%
Subtotal, Paducah	242,838	250,390	243,484	-6,906	-3%
Portsmouth					
PO-0040	418,258	418,258	453,106	+34,848	+8%
PO-0103	125	125	125	+0	0%
PO-0104	3,435	3,435	3,435	+0	0%
Subtotal, Portsmouth	421,818	421,818	456,666	+34,848	+8%
Subtotal, Operating	780,448	773,000	780,380	+7,380	+1%
Construction					
Portsmouth					
Subtotal, Portsmouth	74,552	82,000	34,000	-48,000	-59%
Subtotal, Uranium Enrichment Decontamination and Decommissioning Fund	855,000	855,000	814,380	-40,620	-5%
Subtotal, Environmental Cleanup	8,770,000	8,770,000	8,373,751	-396,249	-5%
Mercury Storage Receipts	-3,000	-3,000	-3,000	+0	0%
D&D Fund Offset	-285,000	-285,000	-278,000	+7,000	-2%
Total, Environmental Cleanup	8,482,000	8,482,000	8,092,751	-389,249	-5%

Summary

	FY 2024 Enacted	FY 2025 Enacted	FY 2026 Request	FY 2026 Request vs FY 2025 Enacted \$	FY 2026 Request vs FY 2025 Enacted (%)
Defense Environmental Cleanup					
Operating	6,026,049	6,116,473	6,056,057	-345,416	-5%
Line Item Construction	1,258,951	1,168,527	899,943	-268,584	-23%
Subtotal, Defense Environmental Cleanup	7,285,000	7,285,000	6,956,000	-614,000	-8%
Defense EM Funded UE D&D Fund Contribution					
Operating	285,000	285,000	278,000	-7,000	-2%
Line Item Construction	0	0	0	+0	0%

Subtotal, Defense Environmental Cleanup	285,000	285,000	278,000	-7,000	-2%
Non-Defense Environmental Cleanup					
Operating	342,000	342,000	322,371	-19,629	-6%
Line Item Construction	0	0	0	+0	0%
Subtotal, Non-Defense Environmental Cleanup	342,000	342,000	322,371	-19,629	-6%
Uranium Enrichment Decontamination and Decommissioning Fund					
Operating	780,448	773,000	780,380	+7,380	+1%
Line Item Construction	74,552	82,000	34,000	-48,000	-59%
Subtotal, Uranium Enrichment Decontamination and Decommissioning Fund	855,000	855,000	814,380	-40,620	-5%
Decontamination and Decommissioning Fund Contribution					
Operating	0	0	0	+0	0%
Line Item Construction	0	0	0	+0	0%
Defense Uranium Enrichment Decontamination and Decommissioning					
Operating	0	0	0	+0	0%
Line Item Construction	0	0	0	+0	0%
Subtotal, Environmental Cleanup	8,770,000	8,770,000	8,373,751	-396,249	-5%
Offsets	-288,000	-288,000	-278,000	+7,000	-2%
Total, Environmental Cleanup	8,482,000	8,482,000	8,092,751	-389,249	-5%
Total Operating	7,471,230	7,519,473	7,158,808	-360,665	-5%
Total Line Item Construction	1,298,770	1,250,527	933,943	-316,584	-25%
Subtotal, Environmental Management	8,770,000	8,770,000	8,092,751	-677,249	-8%
Offsets	-288,000	-288,000	-278,000	+7,000	-2%
Total, Environmental Management	8,482,000	8,482,000	8,092,751	-389,249	-5%

Environmental Management Federal Staffing

	FY2024 Enacted	FY2025 Enacted	FY2026 Request	FY 2026 Request vs FY 2025 Enacted	FY 2026 Request vs FY 2025 Enacted (%)
Carlsbad	48	67	48	-19	-28%
Idaho	44	46	38	-8	-17%
Oak Ridge	75	76	65	-11	-14%
Portsmouth/Paducah Project Office	57	59	48	-11	-19%
Richland	180	220	160	-60	-27%
River Protection	130	109	85	-24	-22%
Savannah River	213	145	135	-10	-7%
Small Sites	24	24	20	-4	-17%
Nevada Site Office	13	13	12	-1	-8%
Los Alamos Site Office	25	37	25	-12	-32%
Subtotal, Field, Full-Time Equivalents	809	796	636	-160	-20%
HQ Operations	300	306	235	-71	-23%
Consolidated Business Center	171	163	129	-34	-21%
Total, Field, Full-Time Equivalents	1,280	1,265	1,000	-265	-21%

Environmental Management Project Schedule Range

(Single date indicates both lower and higher confidence level dates are the same.)

Site	Completion Date
Energy Technology Engineering Center	2045
Separations Process Research Unit	2030
Lawrence Livermore National Laboratory	2033
Sandia National Laboratory	2030
Nevada Nuclear Security Site	2035
Moab	2029-2034
Waste Isolation Pilot Plant (Carlsbad)	Supporting Mission ^a
Los Alamos National Laboratory	2041
West Valley Demonstration Project	2051
Idaho National Laboratory	2064-2077
Portsmouth Gaseous Diffusion Plant	2058-2060
Oak Ridge	2047
Paducah Gaseous Diffusion Plant	2079-2081
Savannah River Site	2065-2074
Hanford Site	2086-2100

^a As a facility that supports the completion of EM work at other sites, the Waste Isolation Pilot Plant end date will be determined by the completion of cleanup at other sites, as well as the achievement of its capacity, as defined in the *WIPP Land Withdrawal Act of 1992*.

Environmental Management

Program Lifecycle Cost (LCC) Range (\$M)

Site	Lifecycle Cost Remaining (FY 2024 to FY 2122)	
	Low Range	High Range
Argonne National Laboratory-East	187	187
Ashtabula	138	138
Brookhaven National laboratory	488	488
Columbus	172	172
D&D Fund Deposit	-	-
Energy Technology Engineering Center	711	711
Fernald	3,220	3,220
Hanford Site (Richland)	172,190	253,605
Office of River Protection	249,692	383,121
Headquarters (Mission Support)	6,173	6,519
Idaho National Laboratory	20,298	34,399
Inhalation Toxicology Laboratory	13	13
Kansas City Plant	30	30
Laboratory for Energy-Related Health Research	40	40
Lawrence Berkeley National Laboratory	154	154
Lawrence Livermore National Laboratory	715	817
Los Alamos National Laboratory	9,351	12,921
Miamisburg	671	671
Moab	1,155	1,161
Nevada Nuclear Security Site	2,739	2,820
Oak Ridge	26,603	26,691
Other	1,176	1,176
Paducah Gaseous Diffusion Plant	55,938	61,806
Pantex Plant	206	206
Portsmouth Gaseous Diffusion Plant	24,605	24,911
Program Direction	26,953	27,987
Rocky Flats Environmental Technology Site	6,573	6,573
Sandia National Laboratory	292	293
Savannah River Site	93,167	115,976
Separations Process Research Unit	344	344
Stanford Linear Accelerator Center	70	70
Waste Isolation Pilot Plant (Carlsbad)	19,672	21,479
West Valley Demonstration Project	4,660	6,439
Total EM Program	728,397	995,137

Environmental Management
Lifecycle Cost by Project Baseline Summary (PBS) (\$M)

	Prior Cost	Lifecycle Cost Remaining (FY 2024 to FY 2122)		Lifecycle Total	
PBS Name	(97-2024)	Low Range	High Range	Low Range	High Range

ACTIVE SITES

Carlsbad					
CB-0020	112	294	331	406	444
CB-0083	112	701	773	813	885
CB-0100	11	-	-	11	11
CB-0900	7	-	-	7	7
CB-0080	5,480	9,800	11,279	15,280	16,759
CB-0081	548	610	703	1,159	1,252
CB-0082	97	-	-	97	97
CB-0090	665	945	1,071	1,610	1,735
CB-0101	289	-	-	289	289
TOTAL	7,322	12,351	14,157	19,672	21,479
Idaho					
HQ-SNF-0012X	60	-	-	60	60
HQ-SNF-0012X-ID	19	-	-	18,995	18,995
HQ-SNF-0012Y	67	-	-	67	67
ID-0011	19	-	-	19	19
ID-0012B	759	2,228	4,900	2,987	5,658
ID-0012B-N	152	146	506	298	657
ID-0012C-N	20	-	-	20	20
ID-0013B	5,146	698	1,532	5,844	6,677
ID-0013B.NEW	115	-	-	115	115
ID-0014B	3,902	2,583	11,929	6,485	15,831
ID-0014B-T	71	-	-	71	71

ID-0030B	1,830	535	880	2,365	2,709
ID-0040-EF	3	-	-	3	3
ID-0040B	808	450	946	1,258	1,754
ID-0040B.NEW	91	-	-	91	91
ID-0050B	123	-	-	123	123
ID-0100	110	53	103	163	213
ID-0900	310	-	-	310	310
TOTAL	13,605	6,693	20,794	20,298	34,399
Oak Ridge					
HQ-SW-0013X	92	-	-	92	92
HQ-SW-0013X-OR	144	-	-	144	144
HQ-SW-0013Y	208	-	-	208	208
OR-0011D	656	322	327	978	983
OR-0011Y	52	-	-	52	52
OR-0011Z	164	-	-	164	164
OR-0013A	465	-	-	465	465
OR-0013B	2,268	874	896	3,141	3,163
OR-0020	404	413	416	817	820
OR-0030	351	8	9	359	360
OR-0031	60	-	-	60	60
OR-0040	4,680	390	393	5,069	5,072
OR-0041	1,373	2,829	2,857	4,202	4,231
OR-0041-IFDP	402	2,296	2,296	2,698	2,698
OR-0041.NEW	157	-	-	157	157
OR-0042	1,624	1,430	1,456	3,054	3,080
OR-0042-IFDP	368	2,510	2,510	2,877	2,877
OR-0042.NEW	58	-	-	58	58
OR-0043	87	-	-	87	87

OR-0044-EF	125	-	-	125	125
OR-0100	175	171	171	346	346
OR-0101	105	-	-	105	105
OR-0102	439	147	147	586	586
OR-0103	44	-	-	44	44
OR-0104	30	-	-	30	30
OR-0900-D	17	-	-	17	17
OR-0900-N	619	-	-	619	619
OR-TD-0100	30	19	19	49	49
TOTAL	15,195	11,408	11,496	26,603	26,691
Paducah					
PA-0011	60	-	-	60	60
PA-0011X	1,204	13,390	13,743	14,594	14,947
PA-0013	285	-	-	285	285
PA-0020	231	1,223	1,774	1,455	2,005
PA-0040	3,705	35,533	40,453	39,239	44,158
PA-0100	11	-	-	11	11
PA-0101	(2)	-	-	(2)	(2)
PA-0102	42	3	3	45	45
PA-0103	54	197	242	251	296
TOTAL	5,591	50,346	56,215	55,938	61,806
Portsmouth					
PO-0011	107	-	-	107	107
PO-0011X	1,172	4,910	5,032	6,083	6,204
PO-0013	445	-	-	445	445
PO-0020	331	784	787	1,115	1,117
PO-0040	5,541	10,733	10,915	16,274	16,456
PO-0041	69	-	-	69	69

PO-0101	366	-	-	366	366
PO-0103	15	3	3	18	18
PO-0104	30	99	100	129	130
TOTAL	8,076	16,529	16,836	24,605	24,911
Richland					
HQ-SNF-0012X-RL	3	-	-	3	3
RL-0011	3,039	-	-	3,039	3,039
RL-0012	3,088	-	-	3,088	3,088
RL-0013B	1	-	-	1	1
RL-0013C	4,466	18,429	27,532	22,895	31,998
RL-0020	1,708	12,292	18,653	14,000	20,360
RL-0030	3,302	11,154	17,409	14,456	20,711
RL-0040	2,731	22,242	35,648	24,974	38,379
RL-0041	5,645	1,696	2,171	7,341	7,816
RL-0042	345	977	1,159	1,322	1,505
RL-0043	7	-	-	7	7
RL-0044	2	-	-	2	2
RL-0080	71	-	-	71	71
RL-0100	421	1,775	2,739	2,196	3,160
RL-0201	2,454	76,208	120,879	78,662	123,332
RL-0900	133	-	-	133	133
TOTAL	27,416	144,774	226,189	172,190	253,605
River Protection					
ORP-0014	14,524	198,652	332,080	213,176	346,604
ORP-0014A	11	-	-	11	11
ORP-0060	15,668	20,263	20,263	35,931	35,931
ORP-0061	433	-	-	433	433
ORP-0070	139	-	-	139	139
ORP-0100	1	-	-	1	1

ORP-TD-0100	0	-	-	0	0
ORP-TDD-0014	0	-	-	0	0
TOTAL	30,777	218,915	352,343	249,692	383,121
Savannah River					
SR-0100	336	405	405	741	741
SR-0101	428	-	-	428	428
SR-0900	198	-	-	198	198
HQ-SNF-0012X-SR	68	-	-	68	68
SR-0011A	134	-	-	134	134
SR-0011B	3,640	-	-	3,640	3,640
SR-0011C	5,882	10,212	14,631	16,094	20,514
SR-0012	680	-	-	680	680
SR-0013	2,382	5,941	8,808	8,322	11,189
SR-0014C	18,918	18,253	25,667	37,171	44,586
SR-0014C-T	138	-	-	138	138
SR-0020	3,494	3,891	6,078	7,386	9,573
SR-0030	2,695	10,812	16,734	13,507	19,429
SR-0040	494	-	-	494	494
SR-0040B	1	-	-	1	1
SR-0041	151	113	113	264	264
SR-0042	190	239	239	429	429
SR-SRNL-0100	79	3,393	3,393	3,472	3,472
TOTAL	39,909	53,259	76,068	93,167	115,976
Lawrence Livermore					
CBC-LLNL-0040	49	64	149	112	197
HQ-SW-0013Y	159	-	-	159	159
VL-FOO-0013B-D	16	4	4	20	20
VL-LLNL-0013	72	-	-	72	72

VL-LLNL-0030	136	-	-	136	136
VL-LLNL-0031	152	62	79	215	232
TOTAL	585	130	232	715	817
Los Alamos					
VL-FAO-0101	129	88	88	217	217
VL-LANL-0013	1,867	1,209	1,863	3,077	3,730
VL-LANL-0020	1	134	134	135	135
VL-LANL-0030	2,829	3,008	5,880	5,838	8,709
VL-LANL-0040-D	-	-	-	-	-
VL-LANL-0040-N	22	-	-	22	22
CBC-LANL-0040	59	5	50	64	108
TOTAL	4,907	4,445	8,014	9,351	12,921
Nevada					
NV-0030	88	-	-	88	88
VL-NV-0013	108	-	-	108	108
VL-NV-0030	1,391	282	322	1,673	1,713
VL-NV-0080	348	364	401	712	749
VL-NV-0100	106	52	55	158	161
TOTAL	2,041	698	779	2,739	2,820
Sandia					
VL-SN-0030	280	12	12	292	293
TOTAL	280	12	12	292	293
Separations Process Research Unit					
VL-SPRU-0040	257	87	87	344	344
TOTAL	257	87	87	344	344
West Valley					
OH-WV-0012	32	-	-	32	32
OH-WV-0013	465	410	1,873	876	2,338
OH-WV-0020	65	199	201	264	266

OH-WV-0040	1,441	2,047	2,361	3,488	3,802
OH-WV-0100	0	0	0	0	0
TOTAL	2,004	2,657	4,435	4,660	6,439
Energy Technology Engineering Center					
CBC-ETEC-0040	415	295	295	709	709
VL-ETEC-0040	2	-	-	2	2
TOTAL	417	295	295	711	711
Moab					
CBC-MOAB-0031	901	255	261	1,155	1,161
TOTAL	901	255	261	1,155	1,161
Other Sites					
CBC-0040-EF	29	-	-	29	29
CBC-0100-EM	5	14	14	19	19
CBC-0100-FN	69	6	6	74	74
CBC-0100-MD	2	-	-	2	2
CBC-0100-RF	48	0	0	48	48
CBC-ND-0100	11	-	-	11	11
CBC-UM-0100	0	-	-	0	0
OH-FN-0100	-	-	-	-	-
TOTAL	165	20	20	185	185
Mission Support					
HQ-CDP-0100-N	(0)	-	-	(0)	(0)
HQ-MS-0100	912	777	1,041	1,689	1,953
HQ-MSF	4	-	-	4	4
HQ-SS-0020	0	-	-	0	0
HQ-UR-0100	537	60	60	597	597
HQ-TD-0100	1,972	1,440	1,522	3,412	3,494
EM-HBCU-0100	52	419	419	471	471
TOTAL	3,477	2,696	3,042	6,173	6,519
Program Direction					

HQ-PD-0100	8,191	18,763	19,796	26,953	27,987
TOTAL	8,191	18,763	19,796	26,953	27,987
Lawrence Berkeley					
CBC-LBNL-0030	35	-	-	35	35
CBC-LBNL-0040	117	-	-	117	117
VL-LBNL-0030	2	-	-	2	2
TOTAL	154	-	-	154	154
D&D Fund Deposit					
HQ-DD-0100	4,787	1,914	1,914	6,701	6,701
HQ-DD-0100-- Offset	(4,787)	(1,914)	(1,914)	(6,701)	(6,701)
TOTAL	-	-	-	-	-
COMPLETED SITES					
Argonne					
CH-ANLW-0030	8	-	-	8	8
CH-ANLE-0030	30	-	-	30	30
CH-ANLE-0040	70	-	-	70	70
CH-ANLE- 0040.NEW	79	-	-	79	79
TOTAL	187	-	-	187	187
Ashtabula					
OH-AB-0030	138	-	-	138	138
TOTAL	138	-	-	138	138
Brookhaven					
BRNL-0030	262	-	-	262	262
BRNL-0040	137	-	-	137	137
BRNL-0041	82	-	-	82	82
BRNL-0041.NEW	3	-	-	3	3
BRNL-0100	3	-	-	3	3
TOTAL	488	-	-	488	488
California Site Support					
VL-FOO-0100-D	6	-	-	6	6
CBC-CA-0013B- N	6	-	-	6	6

CBC-CA-0100-N	3	-	-	3	3
VL-FOO-0013B-N	0	-	-	0	0
VL-FOO-0100-N	0	-	-	0	0
VL-FOO-0900-N	21	-	-	21	21
TOTAL	36	-	-	36	36
Chicago Operations Office					
CH-OPS-0900	99	-	-	99	99
TOTAL	99	-	-	99	99
Columbus					
OH-CL-0040	172	-	-	172	172
TOTAL	172	-	-	172	172
Fernald					
OH-FN-0013	1,627	-	-	1,627	1,627
OH-FN-0020	16	-	-	16	16
OH-FN-0030	1,338	-	-	1,338	1,338
OH-FN-0050	226	-	-	226	226
OH-FN-0101	14	-	-	14	14
TOTAL	3,220	-	-	3,220	3,220
General Atomics					
VL-GA-0012	15	-	-	15	15
TOTAL	15	-	-	15	15
Inhalation Toxicology Laboratory					
CBC-ITL-0030	13	-	-	13	13
VL-ITL-0030	0	-	-	0	0
TOTAL	13	-	-	13	13
Kansas City Plant					
VL-KCP-0030	30	-	-	30	30
VL-KCP-0040	0	-	-	0	0
TOTAL	30	-	-	30	30
Laboratory for Energy-Related Health Research					
LEHR-0040	40	-	-	40	40
VL-LEHR-0040	1	-	-	1	1

TOTAL	40	-	-	40	40
Miamisburg					
OH-MB-0013	265	-	-	265	265
OH-MB-0020	28	-	-	28	28
OH-MB-0030	265	-	-	265	265
OH-MB-0031-NEW	18	-	-	18	18
OH-MB-0040	(0)	-	-	(0)	(0)
OH-MB-0100	87	-	-	87	87
OH-MB-0101	10	-	-	10	10
TOTAL	671	-	-	671	671
New Mexico Site Support					
VL-FAO-0100-D	109	-	-	109	109
VL-FAO-0100-N	15	-	-	15	15
VL-FAO-0900	233	-	-	233	233
TOTAL	357	-	-	357	357
NNSA Service Center					
VL-SV-0100	6	-	-	6	6
TOTAL	6	-	-	6	6
Ohio Field Office					
OH-OPS-0900-D	58	-	-	58	58
OH-OPS-0900-N	397	-	-	397	397
TOTAL	455	-	-	455	455
Pantex					
VL-PX-0030	191	-	-	191	191
VL-PX-0040	15	-	-	15	15
TOTAL	206	-	-	206	206
Princeton					
CH-PPPL-0030	0	-	-	0	0
TOTAL	0	-	-	0	0
Rocky Flats					
RF-0011	470	-	-	470	470

RF-0013	893	-	-	893	893
RF-0020	300	-	-	300	300
RF-0030	2,089	-	-	2,089	2,089
RF-0040	1,921	-	-	1,921	1,921
RF-0041	757	-	-	757	757
CBC-RF-0102	3	-	-	3	3
RF-0100	103	-	-	103	103
RF-0101	37	-	-	37	37
TOTAL	6,573	-	-	6,573	6,573
SEFOR					
CBC-SEFOR-0040N	24	-	-	24	24
TOTAL	24	-	-	24	24
Stanford Linear Accelerator Center					
CBC-SLAC-0030	69	-	-	69	69
VL-SLAC-0030	1	-	-	1	1
TOTAL	70	-	-	70	70
Tuba City					
CBC-TUBA-0031	1	-	-	1	1
TOTAL	1	-	-	1	1
GRAND TOTAL	184,067	544,330	811,071	728,397	995,137

Carlsbad

Overview

The Carlsbad Field Office supports ongoing national security missions and the cleanup of radioactive and chemical waste resulting from the Manhattan Project and Cold War activities. The Carlsbad Field Office is responsible for the National Transuranic Waste Program and the Waste Isolation Pilot Plant, the nation's only deep geologic repository that permanently disposes of defense-generated transuranic waste. The National Transuranic Waste Program coordinates with Department of Energy generator sites to retrieve, repackage, characterize, ship, and dispose of defense transuranic waste, reducing risks to the Nation and public while decreasing nuclear footprints.

Direct maintenance and repair for operations at WIPP is estimated to be \$23,171,000 in FY 2026.

Highlights of the FY 2026 Budget Request

The funding request supports disposal facility operations, regulatory and environmental compliance actions; the Central Characterization Project, which performs transuranic waste characterization/certification activities to maintain progress toward transuranic waste removal milestones from generator sites; transuranic waste transportation; modernizing all Department of Energy facilities infrastructure; continued emphasis on infrastructure maintenance and repair along with minor construction projects to enhance Waste Isolation Pilot Plant's serviceable life including progress on Hoisting Capabilities (21-D-401) which will address the hoisting needs of Waste Isolation Pilot Plant for the next 50 years.

In FY 2026, within Project Baseline Summary Project Costs (Carlsbad-0080), the Waste Isolation Pilot Plant will work with the New Mexico Environment Department to obtain regulatory approval for continued use of water control ponds as well as other improvements at the Waste Isolation Pilot Plant. The Carlsbad Field Office and its contractors will also work on preparing and submitting of the Compliance Recertification Application 2024/2026 to the U.S. Environmental Protection Agency as well as working with the New Mexico Environment Department on the 5-Year Waste Isolation Pilot Plant Discharge Permit Renewal and Modification (DP-831) due by July 30, 2026, increasing the options available for disposal of remote-handled transuranic waste, development and installation of additional groundwater monitoring wells, and continuing activities to support additional Hoisting Capability for salt removal, material, and personnel evacuation. In FY 2026, the Carlsbad Field Office will continue procurement of new shielded container assemblies for disposal of remote-handled transuranic waste.

Within Project Baseline Summary Central Characterization Project (Carlsbad-0081), transuranic waste characterization program certifications and transportation certification activities are supported for Savannah River Site, Oak Ridge National Laboratory, Lawrence Livermore National Laboratory, Argonne National Laboratory, and Los Alamos National Laboratory in FY 2026. For Idaho National Laboratory, the Central Characterization Project provides only transportation certification activities. Idaho's transuranic waste characterization program certification, which excludes transportation certification activities, is planned within Idaho's budget request.

The project activities within Project Baseline Summary Critical Infrastructure Repair/Replacement Waste Isolation Pilot Plant (Carlsbad-0083) include General Plant Projects, Maintenance and Repair Projects, and Major Items of Equipment to address the Waste Isolation Pilot Plant's degraded and beyond design life infrastructure that is caused by the harsh environmental conditions of salt dust, high heat, and high humidity (during the summer monsoonal seasons) combined with historical management practices that deferred routine maintenance and repair. Major repairs and replacements of facility structures, systems, and components are necessary to maintain life safety, assure nuclear safety, and ensure the capability to emplace waste at a production rate that supports Environmental Management's cleanup mission and the National Nuclear Security Administration's enduring national security mission.

Transportation activities within Project Baseline Summary Transportation-Waste Isolation Pilot Plant (Carlsbad-0090) include support of a core shipping capability for transuranic waste shipments to Waste Isolation Pilot Plant, as necessary, U.S. Nuclear Regulatory Commission licensed Type B transportation packages, maintenance and support for transportation packages, U.S. Nuclear Regulatory Commission Certificate of Compliance maintenance for transportation containers, as well as maintenance of established shipping corridors and associated stakeholder support activities with state organizations and consultation with Tribal Nations. In FY 2026, transportation capability will support up to 16 waste shipments per week to Waste Isolation Pilot Plant, with expected shipments from Idaho National Laboratory, Los Alamos National Laboratory, Savannah River Site, Oak Ridge National Laboratory, Lawrence Livermore National Laboratory, Argonne National Laboratory, Sandia National Laboratory and potentially other sites. The Carlsbad Field Office will procure, through the Central Procurement Program, commodities for generator sites to meet their milestones and mission objectives.

In FY 2026, no funding is being requested for the Safety Significant Confinement Ventilation System (15-D-411) as it will be in final commissioning and start-up activities. The Exhaust Shaft has been renamed the Utility Shaft, which provides the best description for the multiple capabilities the shaft could be utilized for including airflow, salt hoisting, material handling, transporting personnel and emergency egress. In addition, as design-engineering matured, it was determined that for usability and nuclear safety reasons, the new shaft would better serve as an intake shaft and that the existing air intake shaft would better be used as an exhaust shaft to provide for an unfiltered exhaust pathway for mining dust and supporting mine operations. The Utility Shaft project will be finalizing construction activities in FY 2026.

FY 2025 - 2026 Key Milestones/Outlook

- (July 2026) Removal and replacement of the exhaust shaft elbow on the Safety Significant Confinement Ventilation System (15-D-411) and receive CD-4.
- (September 2026) Repair/replacement of critical infrastructure.

Regulatory Framework

The Waste Isolation Pilot Plant has five primary regulators: 1) the U.S. Environmental Protection Agency, which regulates radioactive (transuranic) constituents and certifies that Waste Isolation Pilot Plant will comply with the long-term radioactive waste disposal regulations (40 Code of Federal Regulations Part 191, Subparts B and C); 2) the New Mexico Environment Department, which regulates the hazardous constituents of waste in accordance with the requirements in the Waste Isolation Pilot Plant Hazardous Waste Facility Permit (Resource Conservation and Recovery Act Permit for the repository during the operational time frame); 3) the U.S. Nuclear Regulatory Commission, which certifies the design and capability of Type B radioactive material shipping packages; 4) the U.S. Department of Transportation, which regulates highway transportation and radioactive and hazardous material shipping packages; and 5) the U.S. Mine Safety and Health Administration, which is responsible for quarterly Waste Isolation Pilot Plant inspections.

Contractual Framework

Program planning and management at the Carlsbad Field Office is conducted through the issuance and execution of contracts to large and small businesses. The Carlsbad Field Office develops near-term and long-term planning approaches to develop contract strategies and operations plans at a more detailed level. Selected contractors then execute these plans to perform the cleanup mission.

The Waste Isolation Pilot Plant contract is a Management and Operating contract. A new Management and Operating contract was awarded in July 2022 and began executing in February of FY 2023. The contract is a cost-plus award fee basis (with mostly performance-based incentives) with an original base performance period of February 4, 2023, to November 7, 2026, with additional six one-year option periods.

The Waste Isolation Pilot Plant Management and Operating contract covers all site operations at the Waste Isolation Pilot Plant and supports the National Transuranic Waste Program, including the receipt and handling of transuranic waste shipments, characterization of waste at generator sites, verification/certification of waste documentation, permitting and certification of the repository, transportation engineering and certification.

The Carlsbad Field Office also manages contracts, cooperative agreements, work authorizations, and grants that provide management and scientific analysis, technical assistance, site integration, transportation and emergency management services, transportation tracking and communications support, community support for workforce development training at Department of Energy facilities and local areas where the Department of Energy conducts business, and electric utilities. The transportation services prime contract is an indefinite delivery/indefinite quantity contract and has a base year period (a two-month transition and ten-month period) and four one-year option periods, for a total of five years. The contract will run through July 2027.

Strategic Management

The Department of Energy will work to reduce contamination and dispose of transuranic waste from across the complex. The Carlsbad Field Office is key to the ultimate cleanup of transuranic waste across the Department of Energy complex, as well as supporting other Department of Energy national security mission programs.

Carlsbad

Funding (\$K)

	FY 2024 Enacted	FY 2025 Enacted	FY 2026 Request	FY 2026 Request vs FY 2025 Enacted \$	FY 2026 Request vs FY 2025 Enacted (%)
Defense Environmental Cleanup					
Waste Isolation Pilot Plant					
Waste Isolation Pilot Plant					
CB-0080 / Operate Waste Disposal Facility-WIPP					
Operating	285,000	325,000	320,071	-4,929	-2%
Construction					
15-D-411: Safety Significant Confinement Ventilation System, WIPP	44,365	1,000	0	-1,000	-100%
15-D-412: Utility Shaft	50,000	1,200	0	-1,200	-100%
21-D-401: Hoisting Capability Project	0	40,000	2,000	-38,000	-95%
	379,365	367,200	322,071	-45,129	-12%
CB-0081 / Central Characterization Project	26,770	29,000	26,044	-2,956	-10%
CB-0083 / Critical Infrastructure Repair/Replacement	20,000	47,325	23,171	-24,154	-51%
CB-0090 / Transportation-WIPP	38,191	45,995	44,138	-1,857	-4%
Subtotal, Waste Isolation Pilot Plant	464,326	489,520	415,424	-48,902	-11%
Safeguards and Security					
CB-0020 / Safeguards and Security	10,287	15,309	11,350	-3,959	-26%
Total, Defense Environmental Cleanup	474,613	504,829	426,774	-78,055	-15%

Carlsbad
Explanation of Major Changes (\$K)

	FY 2025 Enacted	FY 2026 Request	FY 2026 Request vs FY 2025 Enacted
Defense Environmental Cleanup			
Waste Isolation Pilot Plant			
CB-0080 / Operate Waste Disposal Facility-WIPP			
• Decrease reflects lower funding requirements for the Hoisting Capability Project in FY 2026. In addition, the decrease reflects FY 2025 completion of planned operational startup activities for the Safety Significant Confinement Ventilation System and decreases related to the completion of the Safety Significant Confinement Ventilation System and Utility Shaft projects.	367,200	322,071	-45,129
CB-0081 / Central Characterization Project			
• The decrease reflects reduction in Central Characterization Project mobile loading and flammable gas production activities.	29,000	26,044	-2,956
CB-0083 / Critical Infrastructure Repair/Replacement			
• Decrease reflects completion of three critical projects from the WIPP Integrated Priority List.	47,325	23,171	-24,154
CB-0090 / Transportation-WIPP			
• Decrease reflects reduction to 16 shipments per week while maintaining capacity to meet generator site demands.	45,995	44,138	-1,857
Safeguards and Security			
CB-0020 / Safeguards and Security			
• Decrease reflects planned cyber and physical security activities.	15,309	11,350	-3,959
Total, Carlsbad	504,829	426,774	-78,055

Operate Waste Disposal Facility-WIPP (PBS: CB-0080)

Overview

This Project Baseline Summary can be found within the Defense Environmental Cleanup appropriation.

This Project Baseline Summary includes all activities necessary for the disposal of contact-handled and remote-handled transuranic waste at the Waste Isolation Pilot Plant. Key operations elements include: 1) operation of the disposal facility – including mining, waste handling, and the maintenance/repair of infrastructure to safely maintain the facility and operations in compliance with all Federal and state laws, regulations, and environmental requirements; and 2) environmental compliance – maintenance of compliance certification through monitoring and verifying the performance of the system’s sensitive parameters.

FY 2026 funding includes the following activities: surface and underground operations, including transuranic waste emplacement in existing approved disposal panels and mine stability (ground control); maintenance and repair of facilities and equipment; quality assurance; nuclear safety measures, including Documented Safety Analysis maintenance; security, safety and health programs, including safety management program and oversight program enhancements such as fire protection systems; regulatory compliance; project planning and control; mining and panel closure activities, procurement, finance and accounting; information systems; working with local, state, and national partners to fill vacancies; and management and oversight and interagency programs.

The Waste Isolation Pilot Plant’s three line-item capital projects, the Safety Significant Confinement Ventilation System (15-D-411), Utility Shaft (15-D-412) and Hoisting Capability Project (21-D-401) are designed to provide the increased airflow and infrastructure capabilities necessary to operate the Waste Isolation Pilot Plant facility efficiently and effectively. The Safety Significant Confinement Ventilation System and the Utility Shaft projects are both approaching CD-4 and funding for both projects were completed in FY 2025.

In FY 2026, the Waste Isolation Pilot Plant will also be working towards approval through the regulatory processes for mining of and disposal in additional disposal panels, as well as work on the Compliance Recertification Application 2024 to allow for disposal up to the Waste Isolation Pilot Plant Land Withdrawal Act volume limits and for increasing the number of regulatory approved shielded container designs available for disposal of remote handled transuranic waste.

The request for this Project Baseline Summary supports direct maintenance and repair activities required in the course of daily operations.

Operate Waste Disposal Facility-WIPP (PBS: CB-0080)

Activities and Explanation of Changes

FY 2025 Enacted	FY 2026 Request	Explanation of Changes - FY 2026 Request vs FY 2025 Enacted
\$367,200,000	\$322,071,000	-\$45,129,000
Perform activities for continued waste emplacement operations including	Perform activities for continued waste emplacement operations including	Decrease reflects lower funding requirements for the Hoisting Capability

sustainment of safety management program improvements, active mining, mine stabilization, and habitability activities in all underground areas, radiological contamination control activities, High Efficiency Particulate Air Filter change out, purchase of mining equipment and infrastructure improvements.

- Maintain safety and personnel health programs, surface and underground operations, program administration, generator site interface, public affairs programs, interagency and cooperative agreements for independent oversight, environmental oversight, and rights-of-way.
- Support 40 Code of Federal Regulations Part 191/194 compliance, site environmental compliance, Resource Conservation and Recovery Act permit Waste Isolation Pilot Plant Hazardous Waste Facility Permit compliance, quality assurance, and payments to regulatory agencies.
- Support routine facility and equipment maintenance items and activities.
- Continue progress toward completion of Safety Significant Confinement Ventilation System (15-D-411) and Utility Shaft (formerly Exhaust Shaft) (15-D-412) projects to support completion of the new permanent ventilation system.
- Provide upgrades to existing hoist capabilities.
- Continue emplacement in Panel 8.
- Continue regulatory activities to support mining replacement and additional panels needed to continue the mission.
- Procure bulk-ordered shielded container assemblies for shipment of remote-handled

sustainment of safety management program improvements, active mining, mine stabilization, and habitability activities in all underground areas, radiological contamination control activities, High Efficiency Particulate Air Filter change out, purchase of mining equipment and infrastructure improvements.

- Maintain safety and personnel health programs, surface and underground operations, program administration, generator site interface, public affairs programs, interagency and cooperative agreements for independent oversight, environmental oversight, and rights-of-way.
- Support 40 Code of Federal Regulations Part 191/194 compliance, site environmental compliance, Resource Conservation and Recovery Act permit Waste Isolation Pilot Plant Hazardous Waste Facility Permit compliance, quality assurance, and payments to regulatory agencies.
- Support routine facility and equipment maintenance items and activities.
- Continue progress toward completion of Safety Significant Confinement Ventilation System (15-D-411) and Utility Shaft (formerly Exhaust Shaft) (15-D-412) projects to support completion of the new permanent ventilation system.
- Provide upgrades to existing hoist capabilities.
- Continue emplacement in Panel 11.
- Continue regulatory activities to support mining replacement and additional panels needed to continue the mission.

Project in FY 2026. In addition, the decrease reflects FY 2025 completion of planned operational startup activities for the Safety Significant Confinement Ventilation System and decreases related to the completion of the Safety Significant Confinement Ventilation System and Utility Shaft projects.

transuranic waste to the Waste Isolation Pilot Plant.

- Procure bulk-ordered shielded container assemblies for shipment of remote-handled transuranic waste to the Waste Isolation Pilot Plant.

Central Characterization Project (PBS: CB-0081)

Overview

This Project Baseline Summary can be found within the Defense Environmental Cleanup appropriation.

This project consists of Central Characterization Project activities, which are managed by Department of Energy's National Transuranic Program. The project consists of two primary areas of overall program scope. First, the National Transuranic Program-Central Characterization Project provides certifications of waste generator sites' programs, systems, and processes utilized for characterization of transuranic waste to be disposed of at the Waste Isolation Pilot Plant. Second, the National Transuranic Program-Central Characterization Project maintains the on-site resources at each generator site to certify all transuranic waste shipments both between Department of Energy sites (inter-site) and directly to the Waste Isolation Pilot Plant. As part of the certification scope, the National Transuranic Program-Central Characterization Project maintains the resources to manage the Department of Energy-wide transuranic waste shipping certification process required by the Waste Isolation Pilot Plant's Hazardous Waste Facility Permit.

Day-to-day waste characterization activities such as acceptable knowledge, visual examination, real time radiography, nondestructive assay, dose to curie conversion and flammable gas analysis are planned within each respective site's budget.

The Central Characterization Project program is critical to addressing a new paradigm in waste stream approvals. While the number of containers per waste stream has gone down, the requirements for characterization and certification have increased and the total number of waste streams has increased. Therefore, it is critical for the Waste Isolation Pilot Plant to continue advancing its ability to efficiently certify waste streams.

Central Characterization Project (PBS: CB-0081)

Activities and Explanation of Changes

FY2025 Enacted	FY2026 Request	Explanation of Changes - FY 2026 Request vs FY 2025 Enacted
\$29,000,000	\$26,044,000	-\$2,956,000
• Provide acceptable knowledge and procedural support, and mobile waste loading support at actively shipping generator sites. • Support generator site interface for the Central Characterization Project	• Provide acceptable knowledge and procedural support, and mobile waste loading support at actively shipping generator sites. • Support generator site interface for the Central Characterization Project	• The decrease reflects reduction in Central Characterization Project mobile loading and flammable gas production activities.

activities, Central Characterization Project administration, and Performance Demonstration Program for Resource Conservation and Recovery Act constituents.

- Conduct Central Characterization Project certifications for transuranic waste disposition and transportation at the Savannah River Site, Oak Ridge National Laboratory, Lawrence Livermore National Laboratory, Argonne National Laboratory, and Los Alamos National Laboratory. Provide transportation certification and characterization and certification at Idaho National Laboratory (Idaho National Laboratory funds waste certification).

activities, Central Characterization Project administration, and Performance Demonstration Program for Resource Conservation and Recovery Act constituents.

- Conduct Central Characterization Project certifications for transuranic waste disposition and transportation at the Savannah River Site, Oak Ridge National Laboratory, Lawrence Livermore National Laboratory, Argonne National Laboratory, and Los Alamos National Laboratory. Provide transportation certification and characterization and certification at Idaho National Laboratory (Idaho National Laboratory funds waste certification).

Critical Infrastructure Repair/Replacement (PBS: CB-0083)

Overview

This Project Baseline Summary can be found within the Defense Environmental Cleanup appropriation.

This Project Baseline Summary was established to address the Waste Isolation Pilot Plant's degraded and beyond design life infrastructure, which includes General Plant Projects and Major Items of Equipment that are needed for safety and regulatory compliance and to sustain mining and waste emplacement operations.

FY 2026 funding is requested for the projects on the table below.

Project Title	Total Project	Current Status	Mission Impact	FY 2026 Request
LPU & PLCs on Surface & Underground	8,456,000	End of life	System failures are increasing. Underground and surface condition monitoring is impacted. Age, obsolescence, and technology improvements have eliminated some spares from the market. A new system is needed.	8,456,000
Safety Significant Fire Suppression System WHB 411/412	7,953,000	End of life	The existing system is aged. This project has started and was paused due to funding limitations in FY 2023. The project addresses a life safety issue for employees in the process area . This is a credited feature in the Waste Isolation Pilot Plant Documented Safety Analyses/Technical Safety Requirements.	7,953,000

Panel 13 Compliance Recertification Application _6 Wells	6,762,000	Regulatory Compliance	Wells are needed to support Compliance Renewal Application and continued use of Waste Isolation Pilot Plant underground (Panels 13 and beyond). Two years of data are required to support Compliance Renewal Application.	6,762,000
--	-----------	-----------------------	---	-----------

Critical Infrastructure Repair/Replacement (PBS: CB-0083)

Activities and Explanation of Changes

FY 2025 Enacted	FY 2026 Request	Explanation of Changes - FY 2026 Request vs FY 2025 Enacted
\$47,325,000	\$23,171,000	-\$24,154,000
Repair, replace, and modernize Waste Isolation Pilot Plant's degraded facility structures, systems, and components.	Repair, replace, and modernize the Waste Isolation Pilot Plant's degraded facility structures, systems, and components.	Decrease reflects completion of three critical projects from the WIPP Integrated Priority List.

Transportation-WIPP (PBS: CB-0090)

Overview

This Project Baseline Summary can be found within the Defense Environmental Cleanup appropriation.

This program includes all transportation activities required to support the disposal of both contact-handled and remote-handled transuranic waste to the Waste Isolation Pilot Plant, and transport in U.S. Nuclear Regulatory Commission licensed containers to other designated sites for treatment and/or characterization prior to shipment for disposal. This includes carrier services, transportation packaging, shipping coordination, and stakeholder interfaces related to transportation. As required in the Waste Isolation Pilot Plant Land Withdrawal Act, as amended, this program provides for technical assistance to states, Indian Tribes, and communities for the purpose of training public safety officials and other emergency responders in any State or Indian Tribal lands through which the Department of Energy plans to transport transuranic waste to or from the Waste Isolation Pilot Plant and inter-site transfers of transuranic waste.

FY 2026 funding supports waste shipment capabilities and coordination between generator sites and waste shipment capabilities to the Waste Isolation Pilot Plant, as well as transportation corridor grants with Tribes and stakeholders.

Transportation-WIPP (PBS: CB-0090)

Activities and Explanation of Changes

FY 2025 Enacted	FY 2026 Request	Explanation of Changes - FY 2026 Request vs FY 2025 Enacted
\$45,995,000	\$44,138,000	-\$1,857,000
• Provide transportation activities from multiple locations required for sustained operations at a rate of up to 17 shipments per week. • Maintain package certification and associated required maintenance for packages used: TRUPACT II's, Half PACTS, TRUPACT III's, and Remote-Handled-72B's. • Procure additional Type-B over-the-highway HalfPact Shipping Containers.	• Provide transportation activities from multiple locations required for sustained operations at a rate of up to 16 shipments per week. • Maintain package certification and associated required maintenance for packages used: TRUPACT II's, Half PACTS, TRUPACT III's, and Remote-Handled-72B's. • Procurement of additional Type-B over-the-highway HalfPact Shipping Containers.	• Decrease reflects reduction to 16 shipments per week while maintaining capacity to meet generator site demands.

Safeguards and Security (PBS: CB-0020)

Overview

This Project Baseline Summary can be found within the Defense Environmental Cleanup appropriation.

The scope of the Waste Isolation Pilot Plant Security Program includes, but is not limited to, planning, administering, and executing a program that protects government assets and ensures the security of disposed sensitive wastes.

The Cyber Security Program at the Carlsbad Field Office protects government information and technology systems to support both disposal operations at the Waste Isolation Pilot Plant and transuranic waste characterization, packaging, certification, and transportation activities within the National Transuranic Waste Program.

Safeguards and Security (PBS: CB-0020)

Activities and Explanation of Changes

FY 2025 Enacted	FY 2026 Request	Explanation of Changes - FY 2026 Request vs FY 2025 Enacted
\$15,309,000	\$11,350,000	-\$3,959,000
• Provide security coverage at Waste Isolation Pilot Plant. • Provide cyber security to ensure Department of Energy information resources are identified and protected. • Implement cyber security requirements in accordance with the National Institute of Standards and Technology and Executive Order 14028. • Support implementation of Zero Trust Initiative. • Provide network infrastructure upgrades and endpoint detection and response.	• Provide security coverage at the Waste Isolation Pilot Plant. • Provide cyber security to ensure Department of Energy information resources are identified and protected.	• Decrease reflects planned cyber and physical security activities.

**Carlsbad
Capital Summary (\$K)**

**Minor Construction (MC) Notification & Reporting (Use of Authority)
(\$K)**

					✓	✓				Original			Current		
					Icons 8x4	New Notif.	Auth. - Con. Design	Percent Complete		Project Start	Design Complete	Constr. Complete	Project Start	Design Complete	Constr. Complete
Appr	Program	Site	Project Title	Project Description				Original TEC	Previous TEC	Current TEC	Current Constr. Design	Prior Years	FY 2024 Request	FY 2025 Request	FY 2026 Request
D	Waste Isolation Pilot Plant	WIPP	Safety Significant Fire Suppression System WHB 411/412	Replace the existing fire system piping and components. This is installation only.				12%		FY 2019	FY 2023	NA	FY 2023	FY 2024	FY 2027
								7,515	7,515	7,515	874	874	0	0	7,953
D	Waste Isolation Pilot Plant	WIPP	LPU & PLCs on Surface & Underground	Design, Fabricate and Install Local Processing Units (LPU's) Programmable Logic Controllers (PLCs) that accept analog, digital inputs and provides WIPP's Central Monitoring System (CMS) analog and digital output to control field devices.	✓			0%							
								8,456	NA	8,456	0	0	NA	NA	8,456
D	Waste Isolation Pilot Plant	WIPP	Panel 13 CRA_6 Wells	Well construction -- drilling, coring, geophysics, core description, boxing core, constructing well, fiberglass casing, screening, well completion with sand, bentonite and surface completion.	✓			0%							
								6,762	NA	6,762	0	0	NA	NA	6,762
		WIPP		TOTAL				22,733	7515	22,733	874	874	0	0	23,171

**Carlsbad
Construction Projects Summary (\$K)**

	Total	Prior Years	FY 2024 Enacted	FY 2024 Actuals	FY 2025 Enacted	FY 2026 Request	FY 2026 Request vs. FY 2025 Enacted
15-D-411, Safety Significant Confinement Ventilation System (Waste Isolation Pilot Plant) (CB-0080)							
Total Estimate Cost (TEC)	431,260	379,960	50,300	57,208	1,000	0	-1,000
Other Project Costs (OPC)	53,902	45,129	8,773	1,179	0	0	0
Total Project Cost (TPC) 15-D-411	485,162	425,089	59,073	58,387	1,000	0	-1,000
15-D-412, Utility Shaft, formerly Exhaust Shaft (Waste Isolation Pilot Plant) (CB-0080)							
Total Estimate Cost (TEC)	270,364	222,964	46,200	22,067	1,200	0	-1,200
Other Project Costs (OPC)	9,836	9,836	0	839	0	0	0
Total Project Cost (TPC) 15-D-412	280,200	232,800	46,200	22,906	1,200	0	-1,200
21-D-401, Hoisting Capability Project (CB-0080)							
Total Estimate Cost (TEC)	0	0	0	0	0	0	0
Other Project Costs (OPC)	52,000	10,000	0	0	40,000	2,000	-38,000
Total Project Cost (TPC) 21-D-401	52,000	10,000	0	0	40,000	2,000	-38,000

Idaho

Overview

The Idaho Site supports the Department's cleanup activities to address the environmental legacy that resulted from decades of nuclear weapons production and government-sponsored nuclear energy research. The Idaho Cleanup Project is responsible for the treatment, storage and disposition of a variety of radioactive and hazardous waste streams, removal and disposition of targeted buried waste, protection of the Snake River Plain Aquifer, removal or deactivation of unneeded facilities, and the removal of DOE's inventory of spent nuclear fuel and high-level radioactive waste from Idaho.

The Idaho Cleanup Project has achieved significant risk reduction in exhuming and processing radioactive waste for off-site disposition; deactivating and decommissioning excess facilities, remediating contaminated soils, and transferring spent nuclear fuel from wet to dry storage at the Idaho Nuclear Technology and Engineering Center. Near-term remaining work includes emptying remaining waste tanks; processing of stored legacy remote-handled and contact-handled transuranic waste, Radioactive Waste Management Complex Resource Conservation and Recovery Act closure and demolition and dismantlement, treatment of sodium bearing waste, continuing progress towards capping the Subsurface Disposal Area, and placement of all nuclear materials in safe storage ready for disposal.

Longer-term work scope will include completion of packaging, certification and shipping of transuranic waste to the Waste Isolation Pilot Plant; Calcine High-Level Waste disposition; demolition and dismantlement of remaining excess facilities; completing Comprehensive Environmental Response, Compensation and Liability Act Record of Decision cleanup requirements, including Test Area North groundwater remediation and closure of the tank farm; installing final caps; maintaining long-term stewardship functions; and making legacy spent nuclear fuel road ready for final dispositioning.

Direct maintenance and repair at the Idaho Site is estimated to be \$48,050,000 in FY 2026.

Highlights of the FY 2026 Budget Request

The funding request continues progress in characterizing, packaging and shipping stored contact-handled and remote-handled transuranic waste to the Waste Isolation Pilot Plant. The request also maintains processing, characterizing, packaging and shipping mixed low-level radioactive waste and remote-handled mixed low-level radioactive waste to off-site disposal facilities. The funding request also provides for nominal progress for the construction for the Subsurface Disposal Area cap.

The funding request supports the operations of the Integrated Waste Treatment Unit treatment of sodium-bearing waste which was initiated in FY 2023. In addition, activities are initiated for additional storage capacity for treated sodium-bearing waste based on projected outputs from facility operations.

This request also supports ongoing surveillance, maintenance and risk reduction related activities for spent nuclear fuel and makes nominal progress on spent nuclear fuel packaging demonstration activities.

FY 2025-2026 Key Milestones/Outlook

The following are the Idaho Cleanup Projects' regulatory milestones:

- (April 2025) Submit TSA-RE Interim Status Unit PE Certification of Closure- 60 days after completion of closure (complete).
- (June 2025) Calcine P-0 Complete CD-0 Revision (complete).
- (September 2025) Certify 900 m³ (Original Volume) Transuranic Contaminated Waste (contact-handled waste).
- (September 2025) Sodium Bearing Waste Treatment Facility Complete 15 percent treatment (128,095 gal) (annual milestone).

- (September 2025) Treat 3.5 cubic meters Radioactive Waste Disposition Project backlog (complete).
- (September 2025) Ship 10 cubic meters (original volume) Transuranic contaminated waste reclassified as MLLW (sludge waste) (complete)
- (December 2025) Allocate to and make from the State of Idaho 55 percent (three year running average) of all transuranic waste shipments received at Waste Isolation Pilot Plant.
- (September 2026) Certify 650 cubic meters (Original Volume) Transuranic Contaminated Waste (contact-handled waste).
- (September 2026) Ship 100 cubic meters (Original Volume) TRU Contaminated Waste Reclassified as MLLW (sludge waste).
- (September 2026) Certify 6 cubic meters of original volume Remote-Handled Waste (annual milestone).
- (September 2026) Treat 3.5 cubic meters Radioactive Waste Disposition Project backlog. (complete)
- (September 2026) Sodium Bearing Waste Treatment Facility Complete 15 percent treatment (128,095 gal) (annual milestone).

Regulatory Framework

There are two primary regulators of the Idaho National Laboratory Site: the United States Environmental Protection Agency and the State of Idaho Department of Environmental Quality. The United States Nuclear Regulatory Commission monitors DOE activities related to radioactive liquid waste tank stabilization and disposition. It also licenses the Independent Spent Fuel Storage Installations containing Three Mile Island fuel debris and some Fort St. Vrain spent nuclear fuel. Six primary compliance agreements, amendments and consent orders executed between 1991 and 2019 govern cleanup work at the Idaho National Laboratory Site. Those six agreements encompass the majority of the cleanup requirements and commitments. The six primary agreements are:

1. Federal Facility Agreement and Consent Order (1991) – DOE/ Environmental Protection Agency / Department of Environmental Quality
2. Notice of Non-Compliance Consent Order (1992) – DOE/Department of Environmental Quality
3. Idaho Settlement Agreement (1995) – DOE/State of Idaho/United States Navy (and associated adjustments)
4. Colorado Agreement (1996) – DOE/State of Colorado
5. Site Treatment Plan – DOE/Enforceable by State of Idaho (updated annually)
6. Section 3116 of the Ronald W. Reagan National Defense Authorization Act of FY 2005 (Public Law 108-375)

Contractual Framework

As of January 1, 2022, the Idaho Cleanup Project is being managed by the Idaho Environmental Coalition, LLC. The program planning and contract management at the Idaho Cleanup Project will be conducted primarily under an end state Indefinite-Delivery/Indefinite-Quantity Contract under which Cost-Reimbursement and/or Fixed-Price task orders will be issued. The end state contract has a ten (10) year ordering period with the potential to issue a not-to-exceed five (5) year task order(s) prior to the end of the contract ordering period. The estimated value of this end state contract is \$6,400,000,000.

In addition to Idaho Environmental Coalition's Nuclear Regulatory Commission licensed facilities program management in Fort St. Vrain in Colorado and Three Mile Island in Idaho, physical security services at Fort St. Vrain in Colorado are managed by Protection Strategies Incorporated under a Time and Materials contract and a service-disabled, veteran-owned, small business set-aside with a period of performance of five (5) years and an estimated value of \$25,000,000.

Strategic Management

The Idaho Site will identify disposal pathways and schedules for transuranic waste and liquid sodium bearing waste as well as pursue schedules for tank farm closure, calcined waste treatment and packaging, capping of the Subsurface Disposal Area, and spent nuclear fuel packaging to meet key Idaho National Laboratory Site commitments.

The following factors present the strongest impacts to the overall achievement of the program's strategic goal:

- Availability of the Waste Isolation Pilot Plant to include shipping allotments and assets (shipping, overpack containers/consumables tractors, trailers and drivers) for legacy transuranic waste.
- Beginning construction of the Subsurface Disposal Area Cap with sufficient time to meet the re-negotiated FFA/CO milestone.
- Stable operations of the Integrated Waste Treatment Unit, with associated maintenance outages.
- Identification of viable treatment methods for high-level radioactive waste (calcine).
- Off-site disposition of high-level radioactive waste (calcine) and spent nuclear fuel.
- Technical and legal basis to disposition treated sodium bearing waste as non-high-level waste.
- Development and support from all parties of an Idaho site-wide (integrated) spent nuclear fuel management plan and associated implementation schedule. Idaho intends to re-utilize as many facilities as possible to treat, condition, package, and store spent nuclear fuel (avoiding new facility construction if possible).

Idaho

Funding (\$K)

Defense Environmental Cleanup

Idaho National Laboratory

Idaho Cleanup and Waste Disposition

ID-0012B-D / SNF Stabilization and Disposition-2012 (Defense)

Operating

FY 2024 Enacted	FY 2025 Enacted	FY 2026 Request	FY 2026 Request vs FY 2025 Enacted \$	FY 2026 Request vs FY 2025 Enacted (%)
26,000	28,806	23,000	-5,806	-20%

Construction

22-D-403: Idaho Spent Nuclear Fuel Staging Facility, ID (ID-0012B-D)

2,000	2,000	2,000	+0	0%
-------	-------	-------	----	----

28,000	30,806	25,000	-5,806	-19%
---------------	---------------	---------------	---------------	-------------

ID-0013 / Solid Waste Stabilization and Disposition

138,085	156,400	156,399	-1	0%
---------	---------	---------	----	----

ID-0014B / Radioactive Liquid Tank Waste Stabilization and Disposition-2012

Operating

190,487	218,000	241,229	+23,229	+11%
---------	---------	---------	---------	------

Construction

23-D-402: Calcine Disposition Project

2,000	2,000	2,000	+0	0%
-------	-------	-------	----	----

192,487	220,000	243,229	+23,229	+11%
----------------	----------------	----------------	----------------	-------------

ID-0030B / Soil and Water Remediation-2012

Operating

20,800	20,800	25,125	+4,325	+21%
--------	--------	--------	--------	------

Construction

22-D-404: Additional ICDF Landfill Disposal Cell and Evaporation Ponds Project (ID-0030B)

46,500	39,300	0	-39,300	-100%
--------	--------	---	---------	-------

67,300	60,100	25,125	-34,975	-58%
---------------	---------------	---------------	----------------	-------------

ID-0040 / Idaho Demolition and Dismantlement

49,628	11,000	6,489	-4,511	-41%
--------	--------	-------	--------	------

Environmental Management/
Idaho

Subtotal, Idaho Cleanup and Waste Disposition	475,500	478,306	456,242	-19,258	-4%
Idaho Community and Regulatory Support					
ID-0100 / Idaho Community and Regulatory Support	2,705	2,705	3,779	+1,074	+40%
Total, Idaho National Laboratory	478,205	481,011	460,021	-20,990	-4%
Non-Defense Environmental Cleanup Small Sites					
Idaho National Laboratory					
ID-0012B-N / SNF Stabilization and Disposition-2012 (Non-Defense)	11,500	11,500	12,500	+1,000	+9%
Total, Idaho	489,705	492,511	472,521	-19,990	-4%

Idaho
Explanation of Major Changes (\$K)

	FY2025 Enacted	FY2026 Request	FY 2026 Request vs FY 2025 Enacted
Defense Environmental Cleanup			
Idaho National Laboratory			
Idaho Cleanup and Waste Disposition			
ID-0012B-D / SNF Stabilization and Disposition-2012 (Defense)			
• The decrease reflects completion of the 1st generation to 2nd generation vault transfers.	30,806	25,000	-5,806
ID-0013 / Solid Waste Stabilization and Disposition			
• No material change.	156,400	156,399	-1
ID-0014B / Radioactive Liquid Tank Waste Stabilization and Disposition-2012			
• Increase reflects activities to provide for additional storage capacity for treated Sodium Bearing Waste and fabrication of additional vaults and cans. Also reflects support for emerging infrastructure needs (i.e. general utility repairs/replacements, roofs, roads, etc).	220,000	243,229	+23,229
ID-0030B / Soil and Water Remediation-2012			
• The decrease reflects fully funding the Additional Idaho Comprehensive Environmental Response, Compensation, and Liability Act Disposal Cell and Evaporation Pond construction project in FY 2025 negating the need for funding in FY 2026.	60,100	25,125	-34,975
ID-0040 / Idaho Demolition and Dismantlement			
• The decrease reflects a ramp down of decontamination and demolition activities at the Subsurface Disposal Area in preparation for cap construction.	11,000	6,489	-4,511
Idaho Community and Regulatory Support			
ID-0100 / Idaho Community and Regulatory Support			
• Increase reflects updated agreements with organizations to perform oversight and monitor compliance	2,705	3,779	+1,074
Non-Defense Environmental Cleanup			
Small Sites			
ID-0012B-N / SNF Stabilization and Disposition-2012 (Non-Defense)			
• Increase reflects periodic maintenance/change out of systems and equipment.	11,500	12,500	+1,000
Total, Idaho	492,511	472,521	-19,990

SNF Stabilization and Disposition-2012 (Defense)

Overview

This Project Baseline Summary can be found within the Defense Environmental Cleanup appropriation.

This project includes safe and secure storage of legacy spent nuclear fuel and managing the receipt of off-site spent nuclear fuel shipments. EM currently manages and stores approximately 267 metric tons of spent nuclear fuel at the Idaho Site and in Colorado. The EM plan includes the receipt of approximately 28 metric tons of spent nuclear fuel from off-site locations, including Foreign and Domestic Research Reactor spent nuclear fuel, from FY 1998 through disposition.

SNF Stabilization and Disposition-2012 (Defense) (PBS: ID-0012B-D)

Activities and Explanation of Changes

FY2025 Enacted	FY2026 Request	Explanation of Changes - FY 2026 Request vs FY 2025 Enacted
\$30,806,000	\$25,000,000	-\$5,806,000
• Maintain all spent nuclear fuel storage facilities with accompanying spent nuclear fuel in a safe and secure state. • Maintain the capability to receive and store up to 15 shipments of Advanced Test Reactor spent nuclear fuel. • Maintain capability for receipt of foreign and domestic research reactor spent nuclear fuel from off-site. • Complete the transfer of spent fuel at Chemical Processing Plant 749 from 1st generation vaults to second generation vaults due to hydrogen generation to support stable, long-term storage. • Continue engineering and conceptual design work and make progress toward Critical Decision 1 approval for Idaho Spent Nuclear Fuel Staging Facility.	• Maintain all dry spent nuclear fuel storage facilities with accompanying spent nuclear fuel in a safe and secure state. • Maintain the capability to receive and store up to 15 shipments of Advanced Test Reactor spent nuclear fuel. • Maintained capability for receipt of foreign and domestic research reactor spent nuclear fuel from off-site. • Continue progress on the Idaho Spent Nuclear Fuel Staging Facility. • Continue support of the spent nuclear fuel packaging demonstration effort.	• The decrease reflects completion of the 1st generation to 2nd generation vault transfers.

-
- Perform engineering, design, and facility modifications in support of the spent nuclear fuel packaging demonstration.

Solid Waste Stabilization and Disposition

Overview

This Project Baseline Summary can be found within the Defense Environmental Cleanup appropriation.

This waste treatment and disposal activity disposes of stored transuranic waste, low-level radioactive waste, Resource Conservation and Recovery Act hazardous waste, and mixed low-level radioactive waste in compliance with the Idaho Settlement Agreement requirements; closes on-site low-level radioactive waste disposal facilities at the Radioactive Waste Management Complex; and accelerates the consolidation of waste management facilities to reduce operating costs. The various waste inventories to be disposed by this project were generated primarily by other DOE sites and also active operations at the Idaho Site. Completion of these activities is necessary for compliance with the Idaho Settlement Agreement and Site Treatment Plan and contributes to reducing the footprint and completing cleanup of the site which also includes direct maintenance and repair that are applicable to these areas.

Treatment, certification, and shipping of transuranic waste for disposal at the Waste Isolation Pilot Plant, and disposal and shipment of mixed low-level radioactive waste for disposal will continue. The inventory of certified transuranic waste will be safely and compliantly stored at the Idaho Site pending shipment to the Waste Isolation Pilot Plant.

Solid Waste Stabilization and Disposition (PBS: ID-0013)

Activities and Explanation of Changes

FY2025 Enacted	FY2026 Request	Explanation of Changes - FY 2026 Request vs FY 2025 Enacted
\$156,400,000	\$156,399,000	-\$1,000
• Provide for site-wide environmental compliance and oversight. • Maintain and operate the Radioactive Waste Management Complex infrastructure outside the subsurface disposal area including utility systems, project management, engineering, training, environmental safety and health and quality assurance. This project also includes monitoring of air, water, soils, and biota surveillance.	• Provide for site-wide environmental compliance and oversight. • Maintain and operate the Radioactive Waste Management Complex infrastructure outside the subsurface disposal area including utility systems, project management, engineering, training, environmental safety and health and quality assurance. This project also includes monitoring of air, water, soils, and biota surveillance.	• No material change.

-
- | | |
|--|--|
| <ul style="list-style-type: none">• Continue certifying and shipping transuranic waste to the Waste Isolation Pilot Plant.• Treat and dispose mixed low-level radioactive waste and low-level radioactive waste offsite.• Provide for storage of processed and certified transuranic waste pending shipment to the Waste Isolation Pilot Plant.• Characterize, package, and certify Remote Handled transuranic waste using a Carlsbad Field Office certified program.• Procure overpack commodities from the Waste Isolation Pilot Plant contractor to support shipments of waste. | <ul style="list-style-type: none">• Continue certifying and shipping transuranic waste to the Waste Isolation Pilot Plant.• Treat and dispose mixed low-level radioactive waste and low-level radioactive waste offsite.• Provide for storage of processed and certified transuranic waste pending shipment to the Waste Isolation Pilot Plant.• Characterize, package, and certify Remote Handled transuranic waste using a Carlsbad Field Office certified program.• Procure overpack commodities from the Waste Isolation Pilot Plant contractor to support shipments of waste. |
|--|--|

Radioactive Liquid Tank Waste Stabilization and Disposition-2012 (PBS: ID-0014B)

Overview

This Project Baseline Summary can be found within the Defense Environmental Cleanup appropriation.

The overall objectives of this project are to treat and dispose of the sodium bearing tank waste; close the tank farm tanks, associated piping and infrastructure; and operate and maintain the Idaho Nuclear Technology and Engineering Center. This project also includes activities to support the preparation of stored calcined high-level radioactive waste for final disposition. Completion of this project will close the last four liquid waste tanks and cap the tank farm area leading to the reduction of the most significant environmental, safety and health threat which also includes direct maintenance and repair for these areas.

Radioactive Liquid Tank Waste Stabilization and Disposition-2012 (PBS: ID-0014B)

Activities and Explanation of Changes

FY2025 Enacted	FY2026 Request	Explanation of Changes - FY 2026 Request vs FY 2025 Enacted
\$220,000,000	\$243,229,000	+\$23,229,000
• Make progress to develop and further the regulatory path forward for disposal of the sodium bearing waste treatment product. • Continue sodium bearing waste processing operations at the Integrated Waste Treatment Unit. • Maintain tank farm and systems necessary for safe delivery of sodium bearing waste until treatment and tank closure is complete. • Provide infrastructure support to Idaho Nuclear Technology and Engineering Center including utilities, maintenance and operations for the process waste system, support laboratories, existing process facilities, and support cyber security improvements (e.g., EO 14028, DOE O	• Develop and further the regulatory path forward for disposal of the sodium bearing waste treatment product. • Continue sodium bearing waste processing operations at the Integrated Waste Treatment Unit. • Initiate activities to provide for additional storage capacity for treated sodium bearing waste. • Maintain tank farm and systems necessary for safe delivery of sodium bearing waste until treatment and tank closure is complete. • Provide infrastructure support to Idaho Nuclear Technology and Engineering Center including utilities, maintenance and operations for the process waste system, support laboratories, existing process	• Increase reflects activities to provide for additional storage capacity for treated Sodium Bearing Waste and fabrication of additional vaults and cans. Also reflects support for emerging infrastructure needs (i.e, general utility repairs/replacements, roofs, roads, etc).

205.1C, EM Cybersecurity Program Plan requirements).	facilities, and support cyber security improvements (e.g., EO 14028, DOE O 205.1C, EM Cybersecurity Program Plan requirements).
• Provide engineering support for the retrieval and transfer of calcine. • Continue with post Critical Decision 0 and pre Critical Decision 1 activities for the Calcine Disposition Project.	• Provide support for the Calcine Disposition Project.

Soil and Water Remediation (PBS: ID-0030B)

Overview

This Project Baseline Summary can be found within the Defense Environmental Cleanup appropriation.

The objective of this project is remediation of contaminated soil and groundwater and closure of legacy Comprehensive Environmental Response, Compensation, and Liability Act sites at the Idaho National Laboratory. Completion of this project will contribute to reducing the footprint and the completion of the Idaho Cleanup Project.

Soil and Water Remediation-2012 (PBS: ID-0030B)

Activities and Explanation of Changes

FY2025 Enacted	FY2026 Request	Explanation of Changes - FY 2026 Request vs FY 2025 Enacted
\$60,100,000	\$25,125,000	-\$34,975,000
• Provide risk reduction through implementation of the Comprehensive Environmental Response, Compensation, and Liability Act Record of Decision for buried transuranic waste at the Radioactive Waste Management Complex subsurface disposal area. • Disposition transuranic buried waste • Maintain the remedies at Test Reactor Area; Central Facilities Area; Power Burst Facility/Auxiliary Reactor Area; and Experimental Breeder Reactor/BORAX. • Implement the Comprehensive Environmental Response, Compensation, and Liability Act Record of Decision for Idaho Nuclear Technology and Engineering Center tank farm soils and groundwater. • Implement the Comprehensive Environmental Response, Compensation,	• Provide risk reduction through implementation of the Comprehensive Environmental Response, Compensation, and Liability Act Record of Decision for buried transuranic waste at the Radioactive Waste Management Complex subsurface disposal area. • Disposition of transuranic buried waste. • Maintain the remedies at Test Reactor Area; Central Facilities Area; Power Burst Facility/Auxiliary Reactor Area; and Experimental Breeder Reactor/BORAX. • Implement the Comprehensive Environmental Response, Compensation, and Liability Act Record of Decision for Idaho Nuclear Technology and Engineering Center tank farm soils and groundwater. • Implement the Comprehensive Environmental Response, Compensation,	• The decrease reflects full funding of the Additional Idaho Comprehensive Environmental Response, Compensation, and Liability Act Disposal Cell and Evaporation Pond construction project in FY 2025 negating the need for funding in FY 2026.

and Liability Act Record of Decision for TAN Groundwater. • Implement the Comprehensive Environmental Response, Compensation, and Liability Act Record of Decision for site wide ground water, miscellaneous sites, and future sites. • Implement the Comprehensive Environmental Response, Compensation, and Liability Act Record of Decision for unexploded ordinance. • Maintain Radioactive Waste Management Complex infrastructure for Comprehensive Environmental Response, Compensation, and Liability Act activities. • Maintain Idaho Comprehensive Environmental Response, Compensation, and Liability Act Disposal Facility operations. • Perform ground water monitoring and subsurface investigation with analysis of contaminants and transport mechanisms affecting the Snake River Aquifer. • Continue activities in support of the design and construction of the Subsurface Disposal Area cap at Radioactive Waste Management Complex. • Continue construction on the Additional ICDF Landfill Disposal Cell Evaporation Pond project.	and Liability Act Record of Decision for TAN Groundwater. • Implement the Comprehensive Environmental Response, Compensation, and Liability Act Record of Decision for site wide ground water, miscellaneous sites, and future sites. • Implement the Comprehensive Environmental Response, Compensation, and Liability Act Record of Decision for unexploded ordinance. • Maintain Radioactive Waste Management Complex infrastructure for Comprehensive Environmental Response, Compensation, and Liability Act activities. • Maintain Idaho Comprehensive Environmental Response, Compensation, and Liability Act Disposal Facility operations. • Perform ground water monitoring and subsurface investigation with analysis of contaminants and transport mechanisms affecting the Snake River Aquifer. • Complete construction activities of the Additional Comprehensive Environmental Response, Compensation, and Liability Act • Continue construction on the Additional ICDF Landfill Disposal Cell Evaporation Pond project. • Continue activities in support of construction of the Subsurface Disposal Area cap at Radioactive Waste Management Complex.
---	--

Idaho Community and Regulatory Support

Overview

This Project Baseline Summary can be found within the Defense Environmental Cleanup appropriation.

This project scope includes work in three major areas for environmental regulatory oversight and stakeholder interactions and support:

1) State of Idaho Department of Environmental Quality execution of requirement in the Federal Facility Agreement Consent Order and Environmental Oversight and Monitoring support; 2) the Idaho Site Citizens Advisory Board is chartered by the DOE as an EM Site-Specific Advisory Board; and 3) Shoshone-Bannock Tribal Agreement in Principal.

DOE acknowledges its trust responsibility to consult and work cooperatively with the Shoshone-Bannock Tribes, to exercise statutory and legal authorities to protect Tribal lands, assets, resources, and treaty rights, and will strive to fulfill this responsibility through the Agreement in Principal, DOE American Indian and Alaska Native Tribal Government Policy and other American Indian program initiatives.

Idaho Community and Regulatory Support (PBS: ID-0100)

Activities and Explanation of Changes

FY2025 Enacted	FY2026 Request	Explanation of Changes - FY 2026 Request vs FY 2025 Enacted
\$2,705,000	\$3,779,000	+\$1,074,000
• Provide for site-wide environmental compliance and oversight including the Shoshone-Bannock Tribe Agreement in Principle. • Provide grant to the State of Idaho Department of Environmental Quality. • Provide for Citizens Advisory Board requirements.	• Provide for site-wide environmental compliance and oversight including the Shoshone-Bannock Tribe Agreement in Principal. • Provide grant to the State of Idaho Department of Environmental Quality. • Provide for Citizens Advisory Board requirements.	• Increase reflects updated agreements with organizations to perform oversight and monitor compliance

Idaho Demolition and Dismantlement (PBS: ID-0040)

Overview

This Project Baseline Summary can be found within the Defense Environmental Cleanup appropriation.

The objective of this Project Baseline Summary is to perform demolition and dismantlement scope across the Idaho Site to progress toward site closure. The near-term focus of this PBS will be the closure and preparation for capping of the Radioactive Waste Management Complex where buried waste exhumations were performed along with transuranic and mixed/low level waste processing for disposal. Demolition and dismantlement of excess facilities include planning and engineering, deactivation of utilities, asbestos and other hazardous material abatement, equipment dismantlement and disposal, structure demolition, and waste disposition and related remedial actions.

Idaho Demolition and Dismantlement (PBS: ID-0040)

Activities and Explanation of Changes

FY2025 Enacted	FY2026 Request	Explanation of Changes - FY 2026 Request vs FY 2025 Enacted
\$11,000,000	\$6,489,000	-\$4,511,000
Support decontamination and decommissioning planning activities and continue demolition and dismantlement on the following Radioactive Waste Management Complex facilities: - Accelerated Retrieval Projects and related ancillary facilities. - Transuranic Storage Area/Retrieval Enclosure and related ancillary facilities. - Advanced Mixed Waste Treatment Project facility and related ancillary facilities.	Support decontamination and decommissioning planning activities and continue demolition and dismantlement on the following Radioactive Waste Management Complex facilities: - Accelerated Retrieval Projects and related ancillary facilities. - Transuranic Storage Area/Retrieval Enclosure and related ancillary facilities. - Advanced Mixed Waste Treatment Project facility and related ancillary facilities.	The decrease reflects a ramp down of decontamination and demolition activities at the Subsurface Disposal Area in preparation for cap construction.

SNF Stabilization and Disposition-2012 (Non-Defense) (PBS: ID-0012B-N)

Overview

This Project Baseline Summary can be found within the Non-Defense Environmental Cleanup appropriation.

The purpose of this project is to maintain and operate the Nuclear Regulatory Commission-licensed Independent Spent Fuel Storage Installations in accordance with license basis documents. This includes the management of spent nuclear fuel presently stored at Fort St. Vrain in Colorado and the Three Mile Island Independent Spent Fuel Storage Installation on the Idaho Site.

SNF Stabilization and Disposition-2012 (Non-Defense) (PBS: ID-0012B-N)

Activities and Explanation of Changes

FY2025 Enacted	FY2026 Request	Explanation of Changes - FY 2026 Request vs FY 2025 Enacted
\$11,500,000	\$12,500,000	+\$1,000,000
• Provide payments to the Nuclear Regulatory Commission to implement license and licensing-related activities related to the Fort St. Vrain and Three Mile Island-2. • Provide security for Fort St. Vrain Spent nuclear fuel facility. • Continue to monitor Fort St. Vrain and Three Mile Island-2 Spent nuclear fuel. • Operate and maintain systems to meet Nuclear Regulatory Commission license conditions.	• DOE-ID (~\$1.0M): Provide payments to the Nuclear Regulatory Commission to implement license and licensing-related activities for Fort St. Vrain in Colorado and Three Mile Island-2 in Idaho. Also includes other miscellaneous direct to DOE contract support activities. • Protection Strategies Inc. contract (~\$5.0M): Provide physical security for Fort St. Vrain Spent Nuclear Fuel facility in Colorado. • Idaho Environmental Coalition contract (~\$6.5M): Continue to operate and maintain facilities to meet Nuclear Regulatory Commission license requirements at Fort St. Vrain and Three Mile Island-2 Independent Spent Fuel Storage Installations located in Idaho and Colorado.	• Increase reflects periodic maintenance/change out of systems and equipment.

Idaho
Minor Construction (MC) Notification & Reporting (Use of Authority) (\$K)

									Original			Current			
					✓	✓									
			Icons 6@V		New Notif.	Auth. - Con. Design	Percent Complete			Project Start	Design Complete	Constr. Complete	Project Start	Design Complete	Constr. Complete
Appr	Program	Site	Project Title	Project Description			Original TEC	Previous TEC	Current TEC	Current Constr. Design	Prior Years	FY 2024 Request	FY 2025 Request	FY 2026 Request	
	MC (TEC <\$5M)	ID	MC (TEC <\$5M)	MC (TEC <\$5M)	NA	NA	NA		NA	NA	NA	NA	NA	NA	
D							20,218	NA	20,218	5,803	0	0	0	20,218	
	Idaho Cleanup and Waste Disposition	ID	Product Storage Building II	Treated Sodium Bearing Waste storage			94%		FY 2023	FY 2023	FY 2025	FY 2023	FY 2023	FY 2025	
D							20,000	20,000	22,800	1,000	20,000	0	2,800	0	
	Idaho Cleanup and Waste Disposition	ID	Road Ready Facility Modifications	Facility modifications in support of Packaging Demonstration activities	✓	0%			FY 2025	FY 2025	FY 2027	2026	2026	FY 2027	
D							11,399	11,399	11,399	1,710	0	0	0	11,399	
	Idaho Cleanup and Waste Disposition	ID	Cask Transfer Station	Transfer Station construction in support of Packaging Demonstration activities	✓	0%			FY 2025	FY 2025	FY 2027	FY 2026	FY 2026	FY 2027	
D							15,000	15,000	15,000	2,250	0	0	0	15,000	
	Idaho Cleanup and Waste Disposition	ID	Increase Product Storage Capacity	Treated Sodium Bearing Waste storage	✓	0%			FY 2026	FY 2026	FY 2028	FY 2026	FY 2026	FY 2028	
D							25,000	25,000	25,000	1,000	0	0	0	25,000	
				SUBTOTAL			91,617	71,399	94,417	11,763	20,000	-	2,000	71,617	

**Idaho
Construction Projects Summary (\$K)**

	Total	Prior Years	FY 2024 Enacted	FY 2024 Actuals	FY 2025 Enacted	FY 2026 Request	FY 2026 Request vs. FY 2025 Enacted
22-D-403 Idaho Spent Nuclear Fuel Staging Facility (ID-0012B)							
Total Estimate Cost (TEC)	204,513	7,000	1,000	0		0	0
Other Project Costs (OPC)	15,487	4,000	1,000	1,880	2,000	2,000	0
Total Project Cost (TPC) 22-D-403	220,000	11,000	2,000	1,880	2,000	2,000	0
22-D-404 Additional ICDF Landfill Disposal Cell and Evaporation Ponds Project (ID-0030B)							
Total Estimate Cost (TEC)	93,300	8,000	46,000	16,366	39,300	0	-39,300
Other Project Costs (OPC)	5,500	5,000	500	754	0	0	0
Total Project Cost (TPC) 22-D-404	98,800	13,000	46,500	17,120	39,300	0	-39,300
23-D-402 Calcine Construction (ID-0014B)							
Total Estimate Cost (TEC)	TBD	0	0	0	0	0	0
Other Project Costs (OPC)	TBD	15,000	2,000	6,222	2,000	2,000	0
Total Project Cost (TPC) 23-D-402	TBD	15,000	2,000	6,222	2,000	2,000	0

**22-D-403, Idaho Spent Nuclear Fuel Staging Facility
Idaho National Laboratory, Idaho Falls, Idaho
Project is for Design and Construction**

1. Summary, Significant Changes, and Schedule and Cost History

Summary

The FY 2026 Request for the Idaho Spent Nuclear Fuel Staging Facility is \$2,000,000. The project will utilize the FY 2026 funding along with prior year uncosted funds on the detailed design to continue progress toward critical decision 2/3 completion. The project is based on a design/build contract model which includes the design portion and project level of effort (federal and contractor project support staff). The project will look to proceed with project planning and development towards a combined Critical Decision 2/3 after approval of Critical Decision 1.

The most recent Department of Energy (DOE) Order 413.3B, *Program and Project Management for the Acquisition of Capital Assets*, approved Critical Decision was on May 21, 2021, for Critical Decision 0, *Approve Mission Need*, with a Rough-Order of Magnitude cost range between \$119,000,000 and \$205,000,000 with a Critical Decision 4, *Project Completion*, range between fiscal year (FY) 2026 - 2029. The congressional control is for Total Project Costs (TPC).

A Level I Federal Project Director has been assigned to this project.

Significant Changes

This Construction Project Data Sheet is an update of the FY 2024 Construction Project Data Sheet and does not represent a new start for the budget year. This project will build 100,000 square feet of storage (including the appropriate security measures) in order to close the spent nuclear fuel staging facility mission gap. During FY 2024, Critical Decision 1 documents were drafted and submitted. The critical decision schedule was updated and a decision to a combined Critical Decision 2/3 was made.

Critical Milestone History

(fiscal quarter or date)

Fiscal Year (FY)	CD-0	Conceptual Design Complete	CD-1	CD-2	Final Design Complete	CD-3	CD-4	D&D Complete
FY 2022	5/21/2021	FY 2022	TBD	TBD	TBD	TBD	TBD	N/A
FY 2023	5/21/2021	FY 2022	FY 2023	FY 2023	FY 2023	TBD	TBD	N/A
FY 2024	5/21/2021	4QFY2023	2Q2024	TBD	TBD	TBD	TBD	N/A
FY 2026	5/21/2021	4QFY2025	1QFY2026	TBD	TBD	TBD	TBD	N/A

CD-0—Approve Mission Need

Conceptual Design Complete - Actual date the conceptual design was completed

CD-1- Approve Alternative Selection and Cost Range

CD-2- Approve Performance Baseline

Final Design Complete - Estimated date the project design will be completed

CD-3A – Approve Long-lead Procurements and Site Preparation

CD-3 -Approve Start of Construction

CD-4 - Approve Start of Operations or Project Completion

D&D Complete -Completion of Demolition and Dismantlement work (see Section 5)

Project Cost History

(Dollars in Thousands)

Fiscal Year (FY)	TEC Design	TEC Construction	TEC Total	OPC Except D&D	OPC, D&D	OPC Total	TPC
FY 2022	TBD	TBD	TBD	TBD	N/A	TBD	TBD
FY 2023	7,000	TBD	TBD	TBD	N/A	TBD	TBD
FY 2024	8,000	TBD	TBD	TBD	N/A	TBD	TBD
FY 2026	TBD	TBD	TBD	TBD	N/A	TBD	TBD

No construction, excluding for approved long-lead procurement and site preparation, will be performed until the project performance baseline has been validated and Critical Decision-2/3 has been approved.

2. Project Scope and Justification

Scope

Provide the capability to support near-term and long-term spent nuclear fuel packaging efforts and staging at the Idaho National Laboratory Site. Approximately 100,000 square feet of storage space will be required to stage the estimated 200 storage overpacks that will be generated from the packaging efforts.

Justification

The DOE's Spent Nuclear Fuel Program located at the Idaho National Laboratory Site needs the capability to safely, compliantly, and efficiently stage packaged Spent Nuclear Fuel. Storage is needed to support near-term and long-term Spent Nuclear Fuel packaging efforts. Staging at the Idaho National Laboratory Site will be required until the packaged Spent Nuclear Fuel is shipped out of Idaho. Space will be required to stage the estimated 200 storage overpacks that will be generated from the future packaging efforts.

The project is being conducted in accordance with the project management requirements in DOE O 413.3B, Program and Project Management for the Acquisition of Capital Assets, and all appropriate project management requirements have been met.

**Environmental Management/
Idaho/22-D-403 Idaho Spent Nuclear
Fuel Staging Facility,
Idaho Falls, ID**

FY 2026 Congressional Justification

Key Performance Parameters

The Threshold Key Performance Parameters represent the acceptable performance that the project must achieve. Achievement of the Threshold Key Performance Parameters will be a prerequisite for approval of Critical Decision-4, Project Completion. The Objective Key Performance Parameters represent the desired project performance and will be defined at Critical Decision 2/3.

Performance Measure	Threshold
Capability to efficiently stage packaged Spent Nuclear Fuel at the Idaho National Laboratory	Have capability to stage up to 200 storage overpacks

3. Project Cost and Schedule

Financial Schedule

	(Dollars in Thousands)		
	Budget Authority (Appropriations)	Obligations	Costs
Total Estimated Cost (TEC)			
Design			
FY 2022	0	0	0
FY 2023	7,000	7,000	0
FY 2024	1,000	1,000	0
FY 2025	0	0	0
FY 2026	0	0	8,000
Outyears	TBD	TBD	TBD
Total, Design	TBD	TBD	TBD
Construction			
FY 2022	0	0	0
FY 2023	0	0	0
FY 2024	0	0	0
FY 2025	0	0	0
FY 2026	0	0	0
Outyears	TBD	TBD	TBD
Total, Construction	TBD	TBD	TBD
Total Estimated Cost (TEC)			
FY 2022	0	0	0
FY 2023	7,000	7,000	0
FY 2024	1,000	1,000	0
FY 2025	0	0	0
FY 2026	0	0	8,000
Outyears	TBD	TBD	TBD
Total, TEC	TBD	TBD	TBD

	Budget Authority (Appropriations)	Obligations	Costs
Other Project Cost (OPC)			
FY 2022	3,000	2,000	22
FY 2023	1,000	2,000	930
FY 2024	1,000	1,000	1,900
FY 2025	2,000	2,000	800
FY 2026	2,000	2,000	4,000
Outyears	TBD	TBD	TBD
Total, OPC	TBD	TBD	TBD
Total Project Costs			
FY 2022	3,000	2,000	22
FY 2023	8,000	8,000	930
FY 2024	2,000	2,000	1,900
FY 2025	2,000	3,000	800
FY 2026	2,000	2,000	12,000
Outyears	TBD	TBD	TBD
Total, TPC	TBD	TBD	TBD

4. Details of Project Cost Estimate

(Dollars in Thousands)

	Current Total Estimate	Previous Total Estimate	Original Validated Baseline
Total Estimated Cost (TEC)			
Design			
Design	TBD	TBD	N/A
Contingency	TBD	TBD	N/A
Total, Design	TBD	TBD	N/A
Construction	TBD	TBD	
Site Work	TBD	TBD	N/A
Long-lead Equipment	TBD	TBD	N/A
Construction	TBD	TBD	N/A
Contingency	TBD	TBD	N/A
Total, Construction	TBD	TBD	N/A
Total, TEC	TBD	TBD	N/A
Contingency, TEC	TBD	TBD	N/A
Other Project Cost (OPC)	TBD	TBD	
OPC except D&D	TBD	TBD	
Conceptual Planning	TBD	TBD	N/A
Conceptual Design	TBD	TBD	N/A
Independent Reviews & Estimates	TBD	TBD	N/A

	Current Total Estimate	Previous Total Estimate	Original Validated Baseline
Contingency	TBD	TBD	N/A
Other OPC	TBD	TBD	N/A
Total, OPC except D&D	TBD	TBD	N/A
	TBD	TBD	
Total, OPC	TBD	TBD	N/A
Contingency, OPC	TBD	TBD	N/A
	TBD	TBD	
Total, TPC	TBD	TBD	N/A
Total, Contingency	TBD	TBD	N/A

5. Schedule of Appropriation Requests

(Dollars in Thousands)

Request		FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	Outyears	Total
FY 2022	TEC	0	TBD	TBD	TBD	TBD	TBD	TBD
	OPC	3,000	TBD	TBD	TBD	TBD	TBD	TBD
	TPC	3,000	TBD	TBD	TBD	TBD	TBD	TBD
FY 2023	TEC	0	7,000	TBD	TBD	TBD	TBD	TBD
	OPC	3,000	1,000	TBD	TBD	TBD	TBD	TBD
	TPC	3,000	8,000	TBD	TBD	TBD	TBD	TBD
FY 2024	TEC	0	7,000	9,159	TBD	TBD	TBD	TBD
	OPC	3,000	1,000	1,000	TBD	TBD	TBD	TBD
	TPC	3,000	8,000	10,159	TBD	TBD	TBD	TBD
FY 2025	TEC	0	7,000	1,000	0	TBD	TBD	TBD
	OPC	3,000	1,000	1,000	0	TBD	TBD	TBD
	TPC	3,000	8,000	2,000	0	TBD	TBD	TBD
FY 2026	TEC	0	7,000	1,000	0	0	TBD	TBD
	OPC	3,000	1,000	1,000	2,000	2,000	TBD	TBD
	TPC	3,000	8,000	2,000	2,000	2,000	TBD	TBD

6. Related Operations and Maintenance Funding Requirements

Start of Operation or Beneficial Occupancy (fiscal quarter or date)	TBD
Expected Useful Life (number of years)	TBD
Expected Future Start of decontamination and decommissioning of this capital asset (fiscal quarter)	TBD

Related Funding requirements

(dollars in thousands)

	Annual Costs		Life Cycle Costs	
	Current Total Estimate	Previous Total Estimate	Current Total Estimate	Previous Total Estimate
Operations	0	0	0	0
Utilities	0	0	0	0
<u>Maintenance & Repair</u>	TBD	0	TBD	0
Total	TBD	0	TBD	0

7. D&D Information

Demolition and dismantlement of the facilities currently holding the spent nuclear fuel after this mission is completed will be a separate effort and is not included in the current mission needs. There is no cost estimated for demolition and dismantlement in this construction project.

The location of this construction project is an environmental closure site and, therefore, is exempt from the "one-for-one" requirement.

8. Acquisition Approach

The acquisition approach is to use the indefinite delivery/indefinite quantity end state contracting model with new Idaho Cleanup Project contractor (contract in place January 2022).

Oak Ridge

Overview

The Oak Ridge Office of Environmental Management supports the Department's effort to clean up the Manhattan Project and Cold War legacies on the Oak Ridge site.

The Oak Ridge Office of Environmental Management manages scope within three portfolios tied to sites located within the Oak Ridge Site. Approximately 500,000 people live within a 30-mile radius of the Oak Ridge site. The local cleanup program conducts extensive sampling and modeling to understand and track conditions, and it performs remediation projects and implements control measures to prevent the transport of contaminants off-site from past federal operations.

- The East Tennessee Technology Park site managed by the Office of Environmental Management occupies approximately 2,200 acres adjacent to the Clinch River. The Office of Environmental Management is addressing this area in compliance with the Comprehensive, Environmental, Response, Compensation and Liability Act (CERCLA). The site was a former gaseous diffusion plant that was shut down in 1987. Facility demolition activities are complete, marking the first time an entire uranium enrichment complex has been successfully removed in the world. Crews are currently addressing remaining soil and groundwater contamination. The site is being transitioned into a multi-use industrial park.
- The Oak Ridge National Laboratory managed by the Office of Science covers 3,300 acres and conducts multi-program energy and basic research. Historically, it supported both defense production operations and civilian energy research. Manhattan Project and Cold War era legacies co-exist with modernized laboratory facilities.
- The Y-12 National Security Complex, managed by the National Nuclear Security Administration, spans 811 acres. It began as a uranium processing facility, but now it refurbishes nuclear weapon components and serves as the nation's storehouse for uranium-235 and carries out other national security activities. Manhattan Project and Cold War era legacies co-exist with revitalized national security facilities. The Environmental Management Waste Management Facility (a Comprehensive, Environmental, Response, Compensation and Liability Act disposal facility supporting cleanup of all three sites) is adjacent to the site.

The Office of Environmental Management addresses the scope required to remediate the Manhattan Project and Cold War nuclear weapons production legacy while protecting workers, public health, and the environment. The priorities and sequencing of scope are done in accordance with the regulatory framework and milestones contained within the Oak Ridge Federal Facility Agreement, the Site Treatment Plan, and a Polychlorinated Biphenyl Federal Facilities Compliance Agreement with the United States Environmental Protection Agency and/or the State of Tennessee.

Oak Ridge was placed on the National Priorities List in 1989; therefore, cleanup of the Oak Ridge site is being conducted under the Comprehensive, Environmental, Response, Compensation and Liability Act of 1980.

Direct maintenance and repairs at Oak Ridge are estimated to be \$62,829,214 (\$62,197,111 for Oak Ridge National Laboratory and Y-12 and \$632,103 for East Tennessee Technology Park) in FY 2026.

The Oak Ridge Operations Office plans to purchase one dump truck in FY 2026.

Highlights of the FY 2026 Budget Request

The following represents the most significant activities for the Oak Ridge Office of Environmental Management:

- Maintaining Oak Ridge Office of Environmental Management facilities in a safe, compliant, and secure manner.

- Operating Oak Ridge Office of Environmental Management waste treatment and disposal facilities, including an on-site CERCLA disposal facility and sanitary landfills adjacent to the Y-12 National Security Complex, and wastewater and gaseous waste treatment operations at Oak Ridge National Laboratory.
- Continuing cleanup of high-risk excess facilities at Oak Ridge National Laboratory and Y-12 National Security Complex.
- Continuing down-blending of uranium-233 material at Oak Ridge National Laboratory.
- Addressing remaining CERCLA and groundwater activities at the East Tennessee Technology Park.
- Continue processing and shipping transuranic debris waste to the Waste Isolation Pilot Plant.
- Designing and constructing a second CERCLA On-Site Waste Disposal Facility, to support cleanup at the Y-12 National Security Complex and Oak Ridge National Laboratory.
- Continue construction of the Mercury Treatment Facility to support cleanup at Y-12.
- Developing mercury-related technology to support characterization, remediation, monitoring, and modeling of mercury contamination.

The FY 2026 request includes funding for two-line item construction project:

Outfall 200 Mercury Treatment Facility (\$34,885,000)

The purpose of the Outfall 200 Mercury Treatment Facility project is to construct a robust water treatment facility that will remove mercury from Upper East Fork Poplar Creek, before it leaves the Y-12 National Security Complex site and enters the City of Oak Ridge. It also provides infrastructure to prepare for large-scale demolition of the former mercury use buildings located at the Y-12 National Security Complex site. The \$34,855,000 requested for the Outfall 200 Mercury Treatment Facility project includes funding for construction and other project costs.

On-Site Waste Disposal Facility (\$15,050,000)

The purpose of the second On-Site Waste Disposal Facility project is to provide waste disposal capacity for demolition debris and soils from Y-12 National Security Complex and Oak Ridge National Laboratory cleanup projects once the existing disposal facility has reached capacity. This second facility will enable EM to avoid costly transportation operations and allows the program to address high-risk contaminated facilities. The request includes funding for design and other project costs.

FY 2025-FY 2026 Key Milestones/Outlook

- (November 2024) Alpha 2 Preparation for Demolition (complete).
- (January 2026) Beta-1 Preparation for Demolition (complete).
- (September 2026) Complete deactivation of select Isotope Row Facilities.
- (September 2026) Complete demolition of 3026 B-Cell.

Regulatory Framework

Cleanup of the Oak Ridge site is primarily governed by three regulatory agreements/compliance orders:

- The Federal Facility Agreement for the Oak Ridge Reservation was signed by DOE, the United States Environmental Protection Agency, and the Tennessee Department of Environment and Conservation on January 1, 1992. The document establishes a procedure framework and schedule for developing, implementing, and monitoring appropriate site response actions under the Comprehensive Environmental Response, Compensation, and Liability Act.
- The Oak Ridge Site Compliance Order was signed on September 26, 1995, by DOE and the Tennessee Department of Environment and Conservation. The document enforces treatment of mixed low-level wastes and transuranic wastes under the Resource Conservation and Recovery Act. This order established milestones in the Site Treatment Plan to complete treatment of all Oak Ridge mixed low-level wastes with a known disposition path by 2012 (accomplished in 2011). This order also established milestones for processing and shipment certification of transuranic wastes.
- The Oak Ridge Site Polychlorinated Biphenyl Federal Facilities Compliance Agreement was signed by DOE and the Environmental Protection Agency on October 28, 1996, to establish a framework for treatment of polychlorinated biphenyl contaminated wastes under the Toxic Substances Control Act. This agreement

requires substantive annual progress in disposition of polychlorinated biphenyl contaminated waste at Oak Ridge.

Contractual Framework

Oak Ridge has multiple contracts with large and small businesses to accomplish the effective and safe execution of cleanup of the Oak Ridge site. The major contracts for performing/supporting environmental management cleanup at Oak Ridge include:

- The United Cleanup Oak Ridge LLC contract
 - o Scope - Environmental cleanup on the Oak Ridge site including decontamination and demolition, remediation, waste treatment and disposal operations, and other environmental cleanup support activities.
 - o Period of Performance – February 28, 2022 – May 9, 2033.
 - o Contract Value - \$8.3 billion
 - o Type – Indefinite-Delivery/Indefinite-Quantity contract with cost reimbursable and/or fixed price task orders. Cost reimbursable task orders can include no fee, cost plus incentive fee, cost plus award fee and cost-plus fixed fee task orders. Task orders will define objective performance criteria for completion of End States. The term end state is defined as the specific situation, including accomplishment of completion criteria, for an environmental cleanup activity within and/or at the end of a task order period of performance, consistent with the Environmental Management End-state contract model.
- The Isotek Systems LLC contract
 - o Scope - Complete the disposition of Uranium-233 material stored in Building 3019 at Oak Ridge National Laboratory. The contractor has completed the direct disposition campaign and is preparing for processing the remainder of the inventory.
 - o Period of Performance - Ends December 2028
 - o Contract Value - \$1.06 billion
 - o Type - The contract, originally awarded as a cost-reimbursement type, was converted to a firm-fixed price beginning with the direct disposition campaign. It is currently processing the low-dose portion of the remaining inventory in gloveboxes and began processing the high-dose portion of the remaining inventory in hot cells in 2022.
 - o The conversion to firm-fixed price has been a successful model for this contract and is expected to continue for the remaining options.

Strategic Management

The near-term Oak Ridge Environmental Management priorities are: (1) complete closure and continue reindustrialization of the East Tennessee Technology Park; (2) cleanup of the excess contaminated facilities at the Oak Ridge National Laboratory and the Y-12 National Security Complex; (3) process and disposition the remaining uranium-233 inventory; (4) process and ship the remaining transuranic debris waste to the Waste Isolation Pilot Plant; (5) construct the Outfall 200 Mercury Treatment Facility at the Y-12 National Security Complex; (6) construct a new on-site Comprehensive Environmental Response, Compensation, and Liability Act disposal facility; (7) continue the groundwater monitoring program for the site.

A key component to cleanup success in Oak Ridge is the continued partnering with regulatory agencies and stakeholders. The Oak Ridge Federal Facility Agreement and the Site Treatment Plan are agreements between DOE, the Tennessee Department of Environment and Conservation, and/or the United States Environmental Protection Agency that govern cleanup of the Oak Ridge site. Milestones for completion of cleanup efforts are established and provide a mechanism for ensuring that Oak Ridge cleanup priorities are developed in collaboration with all stakeholders to reduce risk and protect public health and the environment. In addition, collaboration occurs on a regular basis with the Oak Ridge Site Specific Advisory Board and Oak Ridge area stakeholders to ensure that program priorities are reviewed and as appropriate revised to reflect community input.

**Oak Ridge
Funding (\$K)**

	FY 2024 Enacted	FY 2025 Enacted	FY 2026 Request	FY 2026 Request vs FY 2025 Enacted \$	FY 2026 Request vs FY 2025 Enacted (%)
Defense Environmental Cleanup					
Oak Ridge					
OR Cleanup and Disposition					
OR-0013B / Solid Waste Stabilization and Disposition-2012	72,000	72,000	75,000	+3,000	+4%
OR Nuclear Facility D&D					
OR-0041 / Nuclear Facility D&D-Y-12 Operating	161,757	194,626	183,664	-10,962	-6%
Construction					
14-D-403: Outfall 200 Mercury Treatment Facility, OR (OR-0041)	30,000	44,000	34,885	-9,115	-21%
17-D-401: On-Site Disposal Facility	35,000	10,000	15,050	+5,050	+51%
	226,757	248,626	233,599	-15,027	-6%
OR-0042 / Nuclear Facility D&D-Oak Ridge National Laboratory	202,243	191,047	162,898	-28,149	-15%
Subtotal, OR Nuclear Facility D&D	429,000	439,673	396,497	-32,503	-8%
OR Reservation Community and Regulatory Support					
OR-0100 / Oak Ridge Reservation Community & Regulatory Support (Defense)	5,500	5,500	5,900	+400	+7%
OR Technology Development and Deployment					
OR-TD-0100 / Technology Development Activities - Oak Ridge	3,000	3,000	3,300	+300	+10%
U233 Disposition Program					
OR-0011D / U233 Disposition Program	55,000	60,000	63,000	+3,000	+5%
Total, Oak Ridge	564,500	580,173	543,697	-20,803	-4%
Safeguards and Security					
OR-0020 / Safeguards and Security	14,000	14,000	17,000	+3,000	+21%

Environmental Management/
Oak Ridge

FY 2026 Congressional Justification

Total, Defense Environmental Cleanup Uranium Enrichment Decontamination and Decommissioning Fund	578,500	594,173	560,697	-33,476	-6%
Oak Ridge					
Oak Ridge					
OR-0040 / Nuclear Facility D&D-East Tennessee Technology Park (D&D Fund)	91,000	91,000	65,000	-26,000	-29%
Pension and Community and Regulatory Support					
Oak Ridge					
OR-0102 / East Tennessee Technology Park Contract/Post-Closure Liabilities/Administration	24,792	9,792	10,115	+323	+3%
Total, Uranium Enrichment Decontamination and Decommissioning Fund	115,792	100,792	75,115	-25,677	-25%
Total, Oak Ridge	694,292	694,965	635,812	-59,153	-9%

Oak Ridge
Explanation of Major Changes (\$K)

FY2025 Enacted	FY2026 Request	FY 2026 Request vs FY 2025 Enacted
---------------------------	---------------------------	---

Defense Environmental Cleanup

Oak Ridge

OR Cleanup and Disposition

OR-0013B / Solid Waste Stabilization and Disposition-2012

- Increase supports continued progress on processing transuranic debris and mixed low-level radioactive legacy waste.

72,000 75,000 +3,000

OR Nuclear Facility D&D

OR-0041 / Nuclear Facility D&D-Y-12

- Decrease reflects change in technical approach and sequencing of D&D and limited soil activities time phased to better supports the mission needs of the Y-12 National Nuclear Security Complex. The decrease for the Onsite Waste Disposal is a result of optimization of the schedule, by resequencing construction of ancillary facilities, while completing the second wet season monitoring that will support final design.

248,626 233,599 -15,027

OR-0042 / Nuclear Facility D&D-Oak Ridge National Laboratory

- Decrease reflects completion of some ongoing cleanup activities and sequencing of D&D activities to address contamination to support the mission of the Oak Ridge National Laboratory.

191,047 162,898 -28,149

OR Reservation Community and Regulatory Support

OR-0100 / Oak Ridge Reservation Community & Regulatory Support (Defense)

- Increase supports the funding of the Site Specific Advisory Board and the Grants with the State of Tennessee.

5,500 5,900 +400

OR Technology Development and Deployment

OR-TD-0100 / Technology Development Activities - Oak Ridge

- Increase supports test of critical technologies to aid in the removal of mercury from various sources.

3,000 3,300 +300

U233 Disposition Program

OR-0011D / U233 Disposition Program

- Increase supports continued progress on dispositioning U-233 material.

60,000 63,000 +3,000

Safeguards and Security

OR-0020 / Safeguards and Security

- Increase supports emerging cyber requirements.

14,000 17,000 +3,000

Uranium Enrichment Decontamination and Decommissioning Fund

Environmental Management/

Oak Ridge

FY 2026 Congressional Justification

OR-0040 / Nuclear Facility D&D-East Tennessee Technology Park (D&D Fund)			
• Decrease reflects ramp-down of cleanup activities at East Tennessee Technology Park.	91,000	65,000	-26,000
Pension and Community and Regulatory Support			
OR-0102 / East Tennessee Technology Park Contract/Post-Closure Liabilities/Administration			
• Increase reflects minimum payment to meet ERISA requirements in the pension plan payment.	9,792	10,115	+323
Total, Oak Ridge	694,965	635,812	-59,153

Solid Waste Stabilization and Disposition (PBS: OR-0013B)

Overview

This PBS is within the Defense Environmental Cleanup appropriation.

This PBS funds the storage and disposition of the Oak Ridge site's transuranic debris and sludges and mixed low-level radioactive waste.

Contact-handled transuranic debris processing began in FY 2006 and remote-handled transuranic debris processing began in FY 2008 at the Transuranic Waste Processing Center. All processed transuranic debris will be safely stored at Oak Ridge until off-site shipments to the Waste Isolation Pilot Plant are complete. Waste characterization and certification activities conducted by the National TRU Program Central Characterization project are included in this PBS.

This PBS includes one line-item construction project. A Sludge Processing Facility will be designed and constructed to process legacy transuranic sludge currently being stored in tanks at the Oak Ridge National Laboratory. Testing of the critical technologies for this project is underway to mature and inform the final design of the facility.

Solid Waste Stabilization and Disposition-2012 (PBS: OR-0013B)

Activities and Explanation of Changes

FY2025 Enacted	FY2026 Request	Explanation of Changes - FY 2026 Request vs FY 2025 Enacted
\$72,000,000	\$75,000,000	+\$3,000,000
• Maintain regulatory and safety basis documents and permits and operated waste storage facilities at the Oak Ridge National Laboratory. • Operate the Transuranic Waste Processing Center to process transuranic debris waste and shipped processed waste to the Waste Isolation Pilot Plant. • Manage mixed low-level radioactive waste in compliance with regulations.	• Maintain regulatory and safety basis documents and permits and operate waste storage facilities at the Oak Ridge National Laboratory. • Operate the Transuranic Waste Processing Center to process transuranic debris waste and ship processed waste to the Waste Isolation Pilot Plant. • Manage and develop disposition alternatives for mixed low-level radioactive waste currently with no path to disposal.	• Increase supports continued progress on processing transuranic debris and mixed low-level radioactive legacy waste.

-
- Continue testing of sludge processing facility critical technologies.

Nuclear Facility D&D-Y-12 (PBS: OR-0041)

Overview

This PBS is within the Defense Environmental Cleanup appropriation.

This PBS funds the Oak Ridge Environmental Management operations and cleanup activities at the Y-12 National Security Complex. Y-12 is the source of mercury contamination in the Upper East Fork Poplar Creek that flows through the City of Oak Ridge. Oak Ridge Environmental Management performs the following work at Y-12: surveillance and maintenance of current EM owned excess facilities awaiting decontamination and decommissioning; operations of a CERCLA disposal facility for cleanup debris; operations of landfills for disposition of sanitary waste; groundwater and surface water monitoring to assess the effectiveness of completed cleanup actions that support future remediation decisions identified in Comprehensive, Environmental, Response, Compensation and Liability Act Records of Decision; and deactivation and demolition of excess contaminated facilities.

This PBS also includes two line-item construction projects that will provide the infrastructure for the cost-effective cleanup of Y-12. The Outfall 200 Mercury Treatment Facility will construct a water treatment facility to remove mercury from Upper East Fork Poplar Creek which leaves the site, and to prepare for the environmental cleanup of the Y-12 National Security Complex site. The On-Site Waste Disposal Facility will provide on-site waste disposal capacity for demolition debris and remediation waste from the cleanup of ORNL and Y-12.

Nuclear Facility D&D-Y-12 (PBS: OR-0041)

Activities and Explanation of Changes

FY2025 Enacted	FY2026 Request	Explanation of Changes - FY 2026 Request vs FY 2025 Enacted
\$248,626,000	\$233,599,000	-\$15,027,000
- Continue routine surveillance and maintenance for EM-owned excess contaminated facilities at Y-12. - Operate the Environmental Management Waste Management Facility and other Oak Ridge site landfills. - Continue to implement Oak Ridge site groundwater strategy. - Continue Outfall Mercury Treatment Facility construction.	- Continue routine surveillance and maintenance for EM-owned excess contaminated facilities at Y-12. - Operate the Environmental Management Waste Management Facility and other Oak Ridge site landfills. - Continue implementing Oak Ridge site groundwater strategy.	Decrease reflects change in technical approach and sequencing of D&D and limited soil activities time phased to better supports the mission needs of the Y-12 National Nuclear Security Complex. The decrease for the Onsite Waste Disposal is a result of optimization of the schedule, by resequencing construction of ancillary facilities, while completing the second wet season monitoring that will support final design.

-
- Continue Y-12 cleanup of high priority excess facilities.
 - Design the Environmental Management Disposal Facility needed to support cleanup of Oak Ridge National Laboratory and Y-12.
 - Continue Outfall Mercury Treatment Facility construction.
 - Continue Y-12 cleanup of high priority excess facilities.
 - Continue design and construction of the Environmental Management Disposal Facility needed to support cleanup of Oak Ridge National Laboratory and Y-12.

Nuclear Facility D&D-Oak Ridge National Laboratory (PBS: OR-0042)

Overview

This PBS is within the Defense Environmental Cleanup appropriation.

This PBS funds the following Oak Ridge Environmental Management operations and cleanup activities at the Oak Ridge National Laboratory; operation of liquid, gaseous, and process waste treatment systems that support Office of Environmental Management and Office of Science missions; surveillance and maintenance of EM owned facilities awaiting future decontamination and decommissioning; groundwater and surface water monitoring; and deactivation and demolition of excess contaminated facilities.

Nuclear Facility D&D-Oak Ridge National Laboratory (PBS: OR-0042)

Activities and Explanation of Changes

FY2025 Enacted	FY2026 Request	Explanation of Changes - FY 2026 Request vs FY 2025 Enacted
\$191,047,000	\$162,898,000	-\$28,149,000
• Monitor groundwater and surface water in accordance with the Melton Valley and Bethel Valley Records of Decision. • Maintain liquid, gaseous and process waste operations systems in support of the missions of the Offices of Environmental Management and Science. • Continue Oak Ridge National Laboratory cleanup of high priority excess facilities. • Perform surveillance and maintenance required by the Melton Valley Comprehensive Environmental Response, Compensation and Liability Act Record of Decision and for inactive facilities and reactors at the Oak Ridge National Laboratory in a safe and compliant manner. • Conduct infrastructure upgrades to the Liquid and Gaseous Waste Operations facilities to ensure mission critical activities	• Monitor groundwater and surface water in accordance with the Melton Valley and Bethel Valley Records of Decision. • Maintain liquid, gaseous and process waste operations systems in support of the missions of the Offices of Environmental Management and Science. • Continue Oak Ridge National Laboratory cleanup of high priority excess facilities. • Perform surveillance and maintenance required by the Melton Valley Comprehensive Environmental Response, Compensation and Liability Act Record of Decision and for inactive facilities and reactors at the Oak Ridge National Laboratory in a safe and compliant manner. • Conduct infrastructure upgrades to the Liquid and Gaseous Waste Operations facilities to ensure mission critical activities	• Decrease reflects completion of some ongoing cleanup activities and sequencing of D&D activities to address contamination to support the mission of the Oak Ridge National Laboratory.

continue at Oak Ridge Environmental Management and the Oak Ridge National Laboratory.

- Perform enhanced surveillance and maintenance activities at the Molten Salt Reactor Experiment Facility to address issues with safety systems.

continue at Oak Ridge Environmental Management and the Oak Ridge National Laboratory.

- Perform enhanced surveillance and maintenance activities at the Molten Salt Reactor Experiment Facility to address issues with safety systems.

Oak Ridge Reservation Community & Regulatory Support (Defense) (PBS: OR-0100)

Overview

This PBS is within the Defense Environmental Cleanup appropriation.

This PBS funds the Environmental Surveillance Oversight and Federal Facility Agreement grants with the state of Tennessee and the activities of the Oak Ridge Site Specific Advisory Board. The Environmental Surveillance Oversight grant supports the Tennessee Department of Environment and Conservation's independent oversight and monitoring of DOE activities taking place both on-site and off-site associated with the Oak Ridge DOE programs. The Federal Facility Agreement regulatory grant provides funding for regulatory requirements of cleanup activities under the interagency Federal Facility Agreement under Comprehensive Environmental Response and Liability Act. The support for the Site-Specific Advisory Board is chartered under the Federal Advisory Committee Act.

Oak Ridge Reservation Community & Regulatory Support (Defense) (PBS: OR-0100)

Activities and Explanation of Changes

FY2025 Enacted	FY2026 Request	Explanation of Changes - FY 2026 Request vs FY 2025 Enacted
\$5,500,000	\$5,900,000	+\$400,000
- Continue support to the State of Tennessee for conducting annual oversight, monitoring, and reporting. This included annual reports to the public; independent monitoring program of all environmental media; off-site monitoring program of wells owned by private citizens adjacent to DOE land; establishment of background levels; oversight of DOE facility surveillance walkthroughs; Federal Facility Agreement support activities; and emergency management exercises. - Continue activities by the Site-Specific Advisory Board sponsored by DOE-EM to assist in public participation activities and outreach assistance.	- Continue support to the State of Tennessee for conducting annual oversight, monitoring, and reporting. This includes annual reports to the public; independent monitoring program of all environmental media; off-site monitoring program of wells owned by private citizens adjacent to DOE land; establishment of background levels; oversight of DOE facility surveillance walkthroughs; Federal Facility Agreement support activities; and emergency management exercises. - Continue activities by the Site-Specific Advisory Board sponsored by DOE-EM to assist in public participation activities and outreach assistance.	Increase supports the funding of the Site Specific Advisory Board and the Grants with the State of Tennessee.

Technology Development Activities (PBS: OR-TD-0100)

Overview

This PBS is within the Defense Environmental Cleanup appropriation.

This PBS funds technology development and deployment activities that focus on resolving technical challenges through the application of science and innovation to develop practical solutions for environmental cleanup in response to the highest priority needs of the Office of Environmental Management sites. These activities improve the technical maturity of current technologies, develop cost-effective alternative technologies, and improve and/or provide the next generation of technologies for insertion into program activities. EM is enhancing its technology development and deployment efforts with a coordinated two-prong approach in which select projects will be managed at Headquarters while others will be managed at the field sites:

- Longer-term activities with low technology readiness levels (higher development risks) are managed at Headquarters; and
- Shorter-term activities with higher technology readiness levels are managed at the sites where the technology will result in direct mission-related benefits.

The largest environmental risks on the Department of Energy Oak Ridge Reservation stem from ongoing offsite release of mercury from the Y-12 National Security Complex. Downstream bioaccumulation of mercury in fish is a regulatory concern and mercury migration into and through other media such as groundwater, poses challenges to environmental remediation and management. To protect human health and the environment, the Department of Energy is initiating a series of early actions that can be taken pending demolition of the former mercury process buildings. The challenges associated with the remediation of mercury in soil and water are unique across the complex in both scale and complexity. Current mercury discharges from the Y-12 National Security Complex exceed regulatory standards. Early actions are required to address mercury sources; characterize areas that are accessible pending building demolition; and treat surface water to meet regulatory standards at the site boundary. The goal of this technology development and deployment investment is to reduce the overall remediation scope, schedule, and cost through improved understanding of mercury sources and transport through environmental media and the watershed; and to develop characterization, removal, and waste treatment/disposition techniques.

Technology Development Activities - Oak Ridge (PBS: OR-TD-0100)

Activities and Explanation of Changes

FY2025 Enacted	FY2026 Request	Explanation of Changes - FY 2026 Request vs FY 2025 Enacted
\$3,000,000	\$3,300,000	+\$300,000
• Continue planned mercury technology development activities, to include focus areas related to understanding soil and groundwater source control, water	• Continue planned mercury technology development activities, to include focus areas related to understanding soil and groundwater source control, water	• Increase supports test of critical technologies to aid in the removal of mercury from various sources.

Environmental Management/
Oak Ridge

FY 2026 Congressional Justification

chemistry and sediment manipulation, and
ecological manipulation.

chemistry and sediment manipulation, and
ecological manipulation.

U233 Disposition Program (PBS: OR-0011D)

Overview

This PBS is within the Defense Environmental Cleanup appropriation.

This PBS funds the storage, processing, and disposition of the inventory of uranium-233 stored in Building 3019 at the Oak Ridge National Laboratory. Uranium-233 is a special nuclear material that requires strict safeguards and security controls to protect against access. The Defense Nuclear Facilities Safety Board issued Recommendation 97-1, *Safe Storage of Uranium-233*, which identified concerns related to long-term storage of the inventory in Building 3019. The direct disposition campaign disposed of approximately half of the inventory (Consolidated Edison Uranium Solidification Project). The processing campaign that is underway will down blend and dispose of the remaining inventory. Disposition of the remaining uranium-233 inventory will reduce the substantial annual costs associated with safeguards and security requirements. Further, the risk of a nuclear criticality event will be eliminated, as well as the need for future facility upgrades to Building 3019 to ensure safe storage of the inventory.

U233 Disposition Program (PBS: OR-0011D)

Activities and Explanation of Changes

FY2025 Enacted	FY2026 Request	Explanation of Changes - FY 2026 Request vs FY 2025 Enacted
\$60,000,000	\$63,000,000	+\$3,000,000
- Continue required surveillance and maintenance and other activities at Building 3019 and Building 2026 to maintain a safe and secure condition. - Continue Uranium-233 down blending operations in the Building 2026 hot cells.	- Continue required surveillance and maintenance and other activities at Building 3019 and Building 2026 to maintain a safe and secure condition. - Continue Uranium-233 down blending operations in the Building 2026 hot cells.	Increase supports continued progress on dispositioning U-233 material.

Safeguards and Security (PBS: OR-0020)

Overview

This PBS is within the Defense Environmental Cleanup appropriation

This PBS funds the safeguard and security services required to support the site's cleanup program, the implementation of Homeland Security Presidential Directive-12 requirements, and the Cyber Security Program activities to maintain information and technology systems in compliance with legal, regulatory, government-wide, or DOE requirements including EO 14028, DOE O 205.1C, EM Cybersecurity Program Plan (EM-CSPP), vulnerability management, continuous diagnostic and mitigation implementation, cyber security awareness, and user training.

Safeguards and Security (PBS: OR-0020)

Activities and Explanation of Changes

FY2025 Enacted	FY2026 Request	Explanation of Changes - FY 2026 Request vs FY 2025 Enacted
\$14,000,000	\$17,000,000	+\$3,000,000
- Provide safeguard and security services for the following major facilities: Classified Burial Grounds, Environmental Management Waste Management Facility, Transuranic Waste Processing Facility, and the overall East Tennessee Technology Park was applied in the areas of: protection program management, emergency response, Physical Security, information protection, Protective Force, Personnel Security, Cyber Security (e.g., EO 14028, DOE O 205.1C, EM-CSPP), and Nuclear Material Control and Accountability. - Site security services were applied using a graded, risk-based management approach supporting site cleanup mission priorities and protecting government equipment, materials, information, and the site workforce.	- Provide safeguard and security services for the following major facilities: Classified Burial Grounds, Environmental Management Waste Management Facility, Transuranic Waste Processing Facility, and the overall East Tennessee Technology Park will be applied in the areas of: protection program management, emergency response, Physical Security, information protection, Protective Force, Personnel Security, Cyber Security (e.g., EO 14028, DOE O 205.1C, EM-CSPP), and Nuclear Material Control and Accountability. - Site security services will be applied using a graded, risk-based management approach supporting site cleanup mission priorities and protecting government equipment, materials, information, and the site workforce.	Increase support emerging cyber requirements.

Nuclear Facility D&D-East Tennessee Technology Park (D&D Fund) (PBS: OR-0040)

Overview

This PBS is within the UED&D Fund appropriation.

This PBS funds the cleanup and closure of the East Tennessee Technology Park. The five large gaseous diffusion plants and their supporting facilities and other site structures not needed to complete cleanup of the site have been demolished. The remaining scope to close the site includes slab removals, soil and groundwater remediation and closure activities.

The end-state of most of the site will be appropriate for commercial reuse.

Nuclear Facility D&D-East Tennessee Technology Park (D&D Fund) (PBS: OR-0040)

Activities and Explanation of Changes

FY2025 Enacted	FY2026 Request	Explanation of Changes - FY 2026 Request vs FY 2025 Enacted
\$91,000,000	\$65,000,000	-\$26,000,000
• Maintain East Tennessee Technology Park in a safe and secure condition. • Conduct activities at the East Tennessee Technology Park to provide infrastructure and support to cleanup projects. • Conduct characterization and slab and soil remediation and other activities required to close the site.	• Maintain East Tennessee Technology Park in a safe and secure condition. • Conduct activities at the East Tennessee Technology Park to provide infrastructure and support to cleanup projects. • Conduct characterization and slab and soil remediation and other activities required to close the site.	• Decrease reflects ramp-down of cleanup activities at East Tennessee Technology Park.

East Tennessee Technology Park Contract/Post-Closure Liabilities/Administration (PBS: OR-0102)

Overview

This PBS is within the UED&D Fund appropriation.

This PBS funds ongoing, long-term contractor obligations including post-retirement life and medical, long-term disability and pension benefits for pre-April 1998 retirees, who supported the Oak Ridge enrichment facility programs.

East Tennessee Technology Park Contract/Post-Closure Liabilities/Administration (PBS: OR-0102)

Activities and Explanation of Changes

FY2025 Enacted	FY2026 Request	Explanation of Changes - FY 2026 Request vs FY 2025 Enacted
\$9,792,000	\$10,115,000	+\$323,000
Continue funding of contractor liabilities associated with post-retirement life, medical benefits and pensions.	Continue funding of contractor liabilities associated with post-retirement life, medical benefits, and pensions.	Increase reflects minimum payment to meet ERISA requirements in the pension plan payment.

Minor Construction (MC) Notification & Reporting (Use of Authority)
(\$K)

			Icons ⚠️❌⚡		✓	✓			Original			Current	
					New Notif.	Auth. - Con. Design	Percent Complete		Project Start	Design Complete	Constr. Complete	Project Start	Design Complete
Appr	Program	Site	Project Title	Project Description			Original TEC	Previous TEC	Current TEC	Current Constr. Design	Prior Years	FY 2025 Request	FY 2026 Request
					✓		0%		2026	2027	2029	2026	2027
D	OR Nuclear Facility D&D	OR	⚡Sludge Solidification System	Design, build and installation of a process facility for treatment of Liquid Low-Level and Sludge Waste to solidify waste for shipment for off-site disposal.			23,500	NA	23,500	4,500	0	0	23,500
					✓		0%		2026	2026	2029	2026	2026
D	OR Nuclear Facility D&D	OR	⚡7961 Pipe Replacement	Replace piping, valves, & flanges at ORNL 7961.			21,000	NA	21,000	3,525	0	0	21,000
					✓		0%		2026	2026	2027	2027	2027
D	OR Nuclear Facility D&D	OR	⚡Nuclear Operations Infrastructure	Replacement of 15-30 year old Nuclear Operations trailers at ORNL.			7,000	NA	7,000	500	0	0	7,000
					✓		0%		2026	2026	2029	2026	2026
D	OR Nuclear Facility D&D	OR	⚡Y-12 East Maintenance Facility	Infrastructure support for Y-12 workers/equipment.			5,000	NA	5,000	500			5,000
					✓		0%		2026	2026	2029	2026	2026
D	OR Nuclear Facility D&D	OR	⚡ORNL Cleanup Infrastructure Complex Buildout	As originInfrastructure support for ORNL cleanup workers.ally notified.			11,600	NA	11,600	2,000	0	0	11,600
					✓		0%		2026	2026	2027	2026	2026
D	OR Nuclear Facility D&D	OR	⚡Oak Ridge Reservation Landfill Closure Turf Cap	Install partial closure turf cap on LF V and LF VII.			4,300	NA	4,300	150	0	0	4,300
					✓		0%		2026	2026	2029	2026	2026
D	OR Cleanup and Disposition	OR	⚡TWPC Material Storage Facility	Construct facility for TWPC material storage.			15,000	NA	15,000	1,500			15,000
					✓								

D	OR Nuclear Facility D&D	OR	SWSA 1 Piping Replacement	Emergency pipe replacement due to recent bust at SWSA 1	20,000	NA	3,500			
D	OR Nuclear Facility D&D	OR	LGWO Cathodic Protection.	As originally notified.	20%	2024	2024	2025	2024	2024
D	OR Nuclear Facility D&D	OR	LGWO Pipe Replacement 2600	As originally notified.	5,000	5,000	5,000	520	2,000	3,000
D	OR Nuclear Facility D&D	OR	ORNL Infrastructure Buildout	As originally notified.	35%	2024	2024	2026	2024	2024
D	OR Nuclear Facility D&D	OR	Y-12 Infrastructure Buildout	As originally notified.	23,500	23,500	23,500	3,100	9,500	14,000
D	OR Nuclear Facility D&D	OR	Landfill Expansion	Complete	16%	2024	2024	2025	2024	2024
D	OR Nuclear Facility D&D	OR	Bldg. 3608 Above Ground Pipe Replacement.	Complete	20,500	20,500	20,500	2,300	15,500	5,000
D	OR Nuclear Facility D&D	OR	Disposal Area Remedial Action Facility Upgrade.	As originally notified.	39%	2024	2024	2026	2024	2024
D	OR Nuclear Facility D&D	OR	Transportation Center Relocation	On hold.	21,500	21,500	21,500	2,500	16,500	5,000
D	OR Nuclear Facility D&D	OR	LGWO Chemical Addition	Project cancelled.	100%	2023	2023	2024	2023	2023
D	OR Nuclear Facility D&D	OR			23,000	23,000	16,200	150	23,000	
D	OR Nuclear Facility D&D	OR			100%	2023	2023	2024	2023	2023
D	OR Nuclear Facility D&D	OR			25,106	25,106	17,300	2,760	25,106	
D	OR Nuclear Facility D&D	OR			48%	2024	2023	2025	2024	2023
D	OR Nuclear Facility D&D	OR			9,000	9,000	9,000	1,100	9,000	
D	OR Nuclear Facility D&D	OR			0%	2024	2024	2025	NA	NA
D	OR Nuclear Facility D&D	OR			11,000	11,000	11,000	1,300	11,000	
D	OR Nuclear Facility D&D	OR			0%	2024	2024	2025	NA	NA
D	OR Nuclear Facility D&D	OR			4,500	4,500	4,500	500	4,500	
D				SUBTOTAL	230,506	215,900	26,905	116,106	27,000	87,400
D				D Total	230,506	-	215,900	26,905	116,106	27,000 87,400

**Oak Ridge
Construction Projects Summary (\$K)**

Total	Prior Years	FY 2024 Enacted	FY 2024 Actuals	FY 2025 Enacted	FY 2026 Request	FY 2026 Request vs FY 2025 Enacted
-------	----------------	--------------------	--------------------	--------------------	--------------------	--

14-D-403, Outfall 200 Mercury Treatment Facility (OR-0041)

Total Estimate Cost (TEC)	TBD	**	10,000	30,357	44,000	34,885	-9,115
Other Project Costs (OPC)	TBD	**	0	0	0	0	0
Total Project Cost (TPC) 14-D-403	TBD	224,000	10,000	30,357	44,000	34,885	-9,115

* Project is being rebaselined.

** Congress appropriated line-item funds for TPC beginning in FY 2017.

17-D-401, On Site Disposal Facility (OR-0041)

Total Estimate Cost (TEC)	TBD	48,293	34,222	39,662	10,000	15,050	+5,050
Other Project Costs (OPC)	TBD	22,621	778	0	0	0	0
Total Project Cost (TPC) 17-D-401	TBD	70,914	35,000	39,662	10,000	15,050	+5,050

* Congress appropriated line-item funds for TPC beginning in FY 2017.

17-D-401
On Site Waste Disposal Facility
Y-12 National Security Complex, Oak Ridge Tennessee
Project for Design and Construction

1. Summary and Significant Changes, and Schedule and Cost History

Summary

The FY 2026 Request for the Oak Ridge On-Site Waste Disposal Facility is \$15,050,000. Congressional control is at Total Project Cost. Part of the FY 2026 scope of work to be performed includes monitoring of piezometers to measure water levels to allow the groundwater elevation verification to be performed to finalize the landfill design.

The most recent DOE O 413.3B approved Critical Decision (CD) is Subproject two CD-2/3 on January 30, 2024. The project CD-1, was approved on August 23, 2018, for Phase 1 of 3 construction phases planned for this line item project. The 2018 CD-1 cost range was \$175,000,000-\$375,000,000 for the Phase 1 scope. The Phase 1 scope includes completion of final design for all three construction phases, early site preparation activities, and Phase 1 construction. On June 01, 2023 the Project Management Executive approved a revision to Preliminary Project Execution Plan (PPEP) which updated the cost range (\$335,000,000-\$555,000,000) to take into account the requirements in the approved Record of Decision (ROD) signed on September 30, 2022, and escalation due to the delays in getting regulatory approval. Also, the revised PPEP in accordance with DOE O 413.3B, approved separating the project into three subprojects.

Phases 2 and 3 will have their own combined Critical Decision-1/2/3 prior to each subsequent phase of construction.

A Federal Project Director has been recommended for the project and has approved this data sheet. The Federal Project Director is currently certified at Level III.

Significant Changes

This FY 2026 Data Sheet is an update to the FY 2025 Construction Project Data Sheet for the On-Site Waste Disposal Facility and does not include a new start for the budget year.

Subproject one, ESP, construction was initiated in the fourth quarter of FY 2023 following approval of CD-2/3 on June 15, 2023. Subproject one reached CD-4 on August 27, 2024.

Approval of the On-Site Waste Disposal Facility ROD requires a Groundwater Field Demonstration Project (Subproject two) to be performed to verify that there will be 15 feet of separation between the bottom of the landfilled waste and the seasonal high-groundwater table. Subproject two began in FY2024 and will inform the final design in Subproject three. Subproject three, Balance of Construction (BOC), will follow and incorporate all remaining scope in the Phase 1 project.

Critical Milestone History**Fiscal Year or Date****Overall Project (Phase 1)**

Request	CD-0	Conceptual Design Complete	CD-1	Final Design Complete	CD-3A	CD-2/3	D&D Complete	CD-4
FY2018	5/26/2016	4Q FY2017	4Q FY2018	TBD	N/A	TBD	N/A	TBD
FY 2019	5/26/2016	4Q FY2017	4Q FY2018	TBD	N/A	TBD	N/A	TBD
FY 2020	5/26/2016	1/12/2018	8/23/2018	4Q FY2020	TBD	TBD	N/A	TBD
FY 2021	5/26/2016	1/12/2018	8/23/2018	1Q FY2022	TBD	TBD	N/A	TBD
FY 2022	5/26/2016	1/12/2018	8/23/2018	3Q FY2025	3Q FY2022	TBD	N/A	TBD
FY 2023	5/26/2016	1/12/2018	8/23/2018	TBD	1Q FY2023	TBD	N/A	TBD
FY 2024	5/26/2016	1/12/2018	8/23/2018	TBD	1Q FY2023	TBD	N/A	TBD
FY 2025	5/26/2016	1/12/2018	8/23/2018	2Q FY2027	N/A	TBD	N/A	TBD
FY 2026	5/26/2016	1/12/2018	8/23/2018	2Q FY2027	N/A	TBD	N/A	TBD

Early Site Preparation Subproject 1(Phase 1)

Request	CD-0	Conceptual Design Complete	CD-1	Final Design Complete	CD-3A	CD-2/3	D&D Complete	CD-4
FY 2025	5/26/2016	1/12/2018	8/23/2018	12/14/2022	N/A	06/15/2023	N/A	2Q FY2025
FY 2026	5/26/2016	1/12/2018	8/23/2018	12/14/2022	N/A	06/15/2023	N/A	8/27/2024

Groundwater Field Demonstration Subproject 2 (Phase 1)

Request	CD-0	Conceptual Design Complete	CD-1	Final Design Complete	CD-3A	CD-2/3	D&D Complete	CD-4
FY 2025	5/26/2016	1/12/2018	8/23/2018	11/21/2023	TBD	2Q FY2024	N/A	4Q FY2029
FY 2026	5/26/2016	1/12/2018	8/23/2018	11/21/2023	TBD	1/30/2024	N/A	4Q FY2025

Balance of Construction Subproject 3 (Phase 1)

Request	CD-0	Conceptual Design Complete	CD-1	Final Design Complete	CD-3A	CD-2/3	D&D Complete	CD-4
FY 2025	5/26/2016	1/12/2018	8/23/2018	2Q FY2027	N/A	TBD	N/A	TBD
FY 2026	5/26/2016	1/12/2018	8/23/2018	2Q FY2027	N/A	TBD	N/A	TBD

CD-0 – Approve Mission Need

Conceptual Design Complete – Actual date the conceptual design was completed

CD-1 – Approve Alternative Selection and Cost Range

CD-2 – Approve Performance Baseline

Environmental Management/

Oak Ridge/17-D-401 On Site Waste

Disposal Facility Y-12 National Security

Complex, Oak Ridge Tennessee

FY 2026 Congressional Justification

Final Design Complete – Estimated date the project design will be complete

CD-3A – Long-Lead Procurements/Early Site Preparation

CD-3 – Approve Start of Construction

D&D Complete – Completion of D&D work

CD-4 – Approve Start of Operations or Project Completion

Project Cost History

Overall Project Cost History (Phase 1)

(Dollars in Thousands)

Request	TEC, Design	TEC, Construction	TEC, Total	OPC, Except D&D	OPC, D&D	OPC, Total	TPC
FY 2018	21,396	TBD	TBD	TBD	TBD	TBD	TBD
FY 2019	21,396	TBD	TBD	TBD	TBD	TBD	TBD
FY 2020	26,396	TBD	TBD	TBD	TBD	TBD	TBD
FY 2021	26,396	TBD	TBD	TBD	TBD	TBD	TBD
FY 2022	47,888	TBD	TBD	TBD	TBD	TBD	TBD
FY 2023	TBD	TBD	TBD	TBD	N/A	TBD	TBD
FY 2024	TBD	TBD	TBD	TBD	N/A	TBD	TBD
FY 2025	TBD	TBD	TBD	TBD	TBD	TBD	TBD
FY 2026	TBD	TBD	TBD	TBD	TBD	TBD	TBD

Early Site Preparation Subproject 1(Phase 1)

Request	TEC, Design	TEC, Construction	TEC, Total	OPC, Except D&D	OPC, D&D	OPC, Total	TPC
FY 2025	0	41,000	41,000	0	N/A	0	41,000
FY 2026	0	30,000*	30,000	0	N/A	0	30,000

*Updated data based on initial project closeout estimate. The approved CD-2/3 TPC was \$41,000K.

Groundwater Field Demonstration Subproject 2 (Phase 1)

Request	TEC, Design	TEC, Construction	TEC, Total	OPC, Except D&D	OPC, D&D	OPC, Total	TPC
FY 2025	87,000	0	87,000	0	N/A	0	87,000
FY 2026	55,000*	0	55,000	0	N/A	0	55,000

*Updated data based on estimated final cost pending CD-4 approval in July 2025. The approved CD-2/3 TPC was \$80,000K.

Balance of Construction Subproject 3 (Phase 1)

Request	TEC, Design	TEC, Construction	TEC, Total	OPC, Except D&D	OPC, D&D	OPC, Total	TPC
FY 2025	TBD	TBD	TBD	TBD	TBD	TBD	TBD
FY 2026	TBD	TBD	TBD	TBD	TBD	TBD	TBD

2. Project Scope and Justification

Scope

The purpose of this line item is to provide safe, cost effective, long-term disposal of low-level radioactive waste and mixed low-level radioactive waste generated by activities associated with Comprehensive Environmental Response, Compensation, and Liability Act cleanup projects at the Oak Ridge site. The scope includes planning, design and construction of an engineered Comprehensive Environmental Response, Compensation, and Liability Act waste disposal facility including all necessary site development, infrastructure improvements, and support facilities, but does not include operations nor the final closure of the facility. The On-Site Waste Disposal Facility is expected to provide a disposal capacity of approximately 2,200,000 cubic yards with a 47-acre footprint. Components of the landfill include: bottom liner system, leachate collection/drainage/transfer systems, underdrain system, french drains and buttressing, and interim caps.

The On-Site Waste Disposal Facility is to be constructed in the three following phases.

Phase 1: This phase will consist of the full and final design of the entire disposal facility footprint that will consist of multiple disposal cells. The final cap will be conceptually designed but is not part of this project. The construction in Phase I will include two cells (approximately one-third capacity) along with all support facilities construction (e.g., water treatment system) and site preparation of entire footprint to support transition to operations.

Phase 1 consists of the following subprojects:

- **Early Site Preparations Subproject one:** Subproject one includes work to reroute roads around the footprint of the Onsite Waste Disposal Facility (OSWDF) Project, initial access for the development of the Site 7b Borrow Area, develop spoils area, and installation of the construction support area.
- **Groundwater Field Demonstration (GWFD) Subproject two:** Subproject two includes site preparation such as clearing and grubbing, stormwater controls, partial excavation at the site, temporary geosynthetic liner installation to cut off recharge to the area of interest to validate groundwater levels under post construction conditions as required by the Record of Decision (ROD), development of Site 7b Borrow Area, and utilities distribution to the site.
- **Balance of Construction Subproject three:** Groundwater level data collected after construction of GWFD will be used to design the bottom of elevation of the landfill to maintain 15 feet separation between the bottom of landfilled waste and seasonal average high-groundwater elevation. The collection and analysis of data was moved to Subproject 3 following Project Peer Review recommendations during the approval process of CD-2/3 for GWFD Subproject. Subproject three is the balance of the project, consisting of full and final design of the entire facility, conceptual final cap design, and construction of the first phase of the disposal facility (cells 1 and 2, approximately one-third of the capacity) along with support facilities construction (e.g., water treatment system).

Phase 2: This phase will consist of construction of one cell (approximately one-third capacity) after a full review of the final design and any necessary updates.

Phase 3: This phase will consist of construction of remaining cell (s) (final one-third capacity) after a full review of the final design and any necessary updates. The number of cells may change during preliminary design but the disposal capacity of up to 2.2 million cubic yards will remain the same.

The Comprehensive Environmental Response, Compensation, and Liability Act and DOE O 413.3B Critical Decision process to support design and construction of the facility is ongoing.

Justification

The projected waste volumes from the remaining Comprehensive Environmental Response, Compensation, and Liability Act cleanup of Y-12 and Oak Ridge National Laboratory (ORNL) will exceed the 2.21 million cubic yard capacity of the existing on-site disposal facility, the Environmental Management Waste Management Facility, which is projected to be full in late 2020's. The scope of this line item is to construct a new on-site disposal facility, the On-Site Waste Disposal Facility, to provide the required additional waste disposal capacity.

The project is being conducted in accordance with the project management requirements in DOE O 413.3B, *Program and Project Management for the Acquisition of Capital Assets*.

Preliminary Key Performance Parameters

The Threshold Preliminary Key Performance Parameters, represent the acceptable performance that the overall project must achieve. Achievement of the Threshold Preliminary Key Performance Parameters will be a prerequisite for approval of final subproject 3 CD -4, Project Completion.

Performance Measure	Threshold
Design an on-site disposal facility with an air space capacity of up to 2.2 million cubic yards and required infrastructure for the disposal of Oak Ridge Office of Environmental Management (OREM)-generated CERCLA waste in support of cleanup activities conducted under the Federal Facility Agreement (FFA).	Draft at CD-1
Construct and deliver to operations the initial set of disposal cells to provide a minimum of one-third (approximately 700,000 cubic yards) of the total capacity, and all supporting infrastructure as needed for waste disposal.	Draft at CD-1
Provide the necessary systems and infrastructure for the collection, storage, and treatment of landfill wastewater to ensure compliance with applicable or relevant and appropriate requirements (ARARs).	Draft at CD-1

3. Project Cost and Schedule

Phase 1 Financial Schedule

Early Site Preparation Subproject 1 (ESP)

		(Dollars in Thousands)		
		Appropriations	Obligations	Costs
Total Estimated Cost (TEC) Design ^a				
FY 2023	Phase 1	N/A	N/A	N/A
FY 2024	Phase 1	N/A	N/A	N/A
FY 2025	Phase 1	N/A	N/A	N/A
Total, Design		N/A	N/A	N/A
TEC Construction ^b				
FY 2023	Phase 1	28,746	6,598	6,598
FY 2024	Phase 1	1,254	23,402	23,402
FY 2025	Phase 1	0	0	0
Total, Construction		30,000	30,000	30,000

**Environmental Management/
Oak Ridge/17-D-401 On Site Waste
Disposal Facility Y-12 National Security
Complex, Oak Ridge Tennessee**

FY 2026 Congressional Justification

		(Dollars in Thousands)		
		Appropriations	Obligations	Costs
TEC ^b				
FY 2023	Phase 1	28,746	6,598	6,598
FY 2024	Phase 1	1,254	23,402	23,402
FY 2025	Phase 1	0	0	0
Total TEC		30,000	30,000	30,000
OPC except D&D ^a		N/A	N/A	N/A
FY 2023	Phase 1	N/A	N/A	N/A
FY 2024	Phase 1	N/A	N/A	N/A
FY 2025	Phase 1	N/A	N/A	N/A
Total, OPC except D&D		N/A	N/A	N/A
OPC ^a				
FY 2023	Phase 1	N/A	N/A	N/A
FY 2024	Phase 1	N/A	N/A	N/A
FY 2025	Phase 1	N/A	N/A	N/A
Total, OPC		N/A	N/A	N/A
Total ESP Sub-Project Cost (TPC) ^b				
FY 2023	Phase 1	28,746	6,598	6,598
FY 2024	Phase 1	1,254	23,402	23,402
FY 2025	Phase 1	0	0	0
		30,000	30,000	30,000

Groundwater Field Demonstration Subproject 2

		(Dollars in Thousands)		
		Appropriations	Obligations	Costs
Total Estimated Cost (TEC) Design				
FY 2021	Phase 1	14,787	0	0
FY 2022	Phase 1	11,713	0	0
FY 2023	Phase 1	0	26,500	0
FY 2024	Phase 1	27,246	17,700	31,684
FY 2025	Phase 1	1,254	10,800	14,156
FY 2026	Phase 1	0	0	9,160
Total, Design		55,000	55,000	55,000
Construction ^b				
FY 2021	Phase 1	N/A	N/A	N/A
FY 2022	Phase 1	N/A	N/A	N/A
FY 2023	Phase 1	N/A	N/A	N/A
FY 2024	Phase 1	N/A	N/A	N/A
FY 2025	Phase 1	N/A	N/A	N/A
FY 2026	Phase 1	N/A	N/A	N/A
Total, Construction		N/A	N/A	N/A

Environmental Management/
Oak Ridge/17-D-401 On Site Waste
Disposal Facility Y-12 National Security
Complex, Oak Ridge Tennessee

FY 2026 Congressional Justification

		(Dollars in Thousands)		
		Appropriations	Obligations	Costs
TEC ^b				
FY 2021	Phase 1	14,787	0	0
FY 2022	Phase 1	11,713	0	0
FY 2023	Phase 1	0	26,500	0
FY 2024	Phase 1	27,246	17,700	31,684
FY 2025	Phase 1	1,254	10,800	14,156
FY 2026	Phase 1	0	0	9,160
Total TEC		55,000	55,000	55,000
OPC except D&D ^a				
FY 2021	Phase 1	N/A	N/A	N/A
FY 2022	Phase 1	N/A	N/A	N/A
FY 2023	Phase 1	N/A	N/A	N/A
FY 2024	Phase 1	N/A	N/A	N/A
FY 2025	Phase 1	N/A	N/A	N/A
FY 2026	Phase 1	N/A	N/A	N/A
Total, OPC except D&D		N/A	N/A	N/A
OPC ^a				
FY 2021	Phase 1	N/A	N/A	N/A
FY 2022	Phase 1	N/A	N/A	N/A
FY 2023	Phase 1	N/A	N/A	N/A
FY 2024	Phase 1	N/A	N/A	N/A
FY 2025	Phase 1	N/A	N/A	N/A
FY 2026	Phase 1	N/A	N/A	N/A
Total, OPC		N/A	N/A	N/A
Total GWFD Subproject Cost (TPC) ^b				
FY 2021	Phase 1	14,787	0	0
FY 2022	Phase 1	11,713	0	0
FY 2023	Phase 1	0	26,500	0
FY 2024	Phase 1	27,246	17,700	31,684
FY 2025	Phase 1	1,254	10,800	14,156
FY 2026	Phase 1	0	0	9,160
		55,000	55,000	55,000

Balance of Construction (BOC) Subproject 3

		(Dollars in Thousands)		
		Appropriations	Obligations	Costs
Total Estimated Cost (TEC) Design ^a				
FY 2017	Phase 1	6,000	0	0
FY 2018	Phase 1	10,000	16,000	812
FY 2019	Phase 1	9,979	302	10,153
FY 2020	Phase 1	0	9,539	4,225
FY 2021	Phase 1	7,527	5,364	2,266

Environmental Management/
Oak Ridge/17-D-401 On Site Waste
Disposal Facility Y-12 National Security
Complex, Oak Ridge Tennessee

FY 2026 Congressional Justification

		(Dollars in Thousands)		
		Appropriations	Obligations	Costs
FY 2022	Phase 1	0	843	2,587
FY 2023	Phase 1	6,254	12,254	1,800
FY 2024	Phase 1	6,300	0	3,482
FY 2025	Phase 1	8,546	5,000	6,969
FY 2026	Phase 1	14,850	14,229	19,258
Outyears	Phase 1	TBD	TBD	TBD
Total, Design		TBD	TBD	TBD
Construction ^b				
FY 2017	Phase 1	0	0	0
FY 2018	Phase 1	0	0	0
FY 2019	Phase 1	0	0	0
FY 2020	Phase 1	0	0	0
FY 2021	Phase 1	0	0	0
FY 2022	Phase 1	0	0	0
FY 2023	Phase 1	0	0	0
FY 2024	Phase 1	0	0	0
FY 2025	Phase 1	0	0	0
FY 2026	Phase 1	0	0	0
Outyears	Phase 1	TBD	TBD	TBD
Total, Construction		TBD	TBD	TBD
TEC ^b				
FY 2017	Phase 1	6,000	0	0
FY 2018	Phase 1	10,000	16,000	812
FY 2019	Phase 1	9,979	302	10,153
FY 2020	Phase 1	0	9,539	4,225
FY 2021	Phase 1	7,527	5,364	2,266
FY 2022	Phase 1	0	843	2,587
FY 2023	Phase 1	6,254	12,254	1,800
FY 2024	Phase 1	6,300	0	3,482
FY 2025	Phase 1	8,546	5,000	6,969
FY 2026	Phase 1	14,850	14,229	19,258
Outyears	Phase 1	TBD	TBD	TBD
Total TEC		TBD	TBD	TBD
OPC except D&D ^a				
FY 2011	Phase 1	1,063	1,063	343
FY 2012	Phase 1	214	214	737
FY 2013	Phase 1	627	627	591
FY 2014	Phase 1	2,332	2,332	2,140
FY 2015	Phase 1	3,978	3,978	3,320
FY 2016	Phase 1	7,050	7,050	4,266
FY 2017	Phase 1	1,973	1,973	4,439
FY 2018	Phase 1	5,297	5,297	6,462
FY 2019	Phase 1	21	21	156
FY 2020	Phase 1	0	0	28
FY 2021	Phase 1	66	0	0
FY 2022	Phase 1	787	427	427
FY 2023	Phase 1	0	0	0
FY 2024	Phase 1	200	200	200

Environmental Management/
Oak Ridge/17-D-401 On Site Waste
Disposal Facility Y-12 National Security
Complex, Oak Ridge Tennessee

FY 2026 Congressional Justification

		(Dollars in Thousands)		
		Appropriations	Obligations	Costs
FY 2025	Phase 1	200	200	200
FY 2026	Phase 1	200	560	560
Outyears	Phase 1	TBD	TBD	TBD
Total, OPC except D&D		TBD	TBD	TBD
OPC ^a				
FY 2011	Phase 1	1,063	1,063	343
FY 2012	Phase 1	214	214	737
FY 2013	Phase 1	627	627	591
FY 2014	Phase 1	2,332	2,332	2,140
FY 2015	Phase 1	3,978	3,978	3,320
FY 2016	Phase 1	7,050	7,050	4,266
FY 2017	Phase 1	1,973	1,973	4,439
FY 2018	Phase 1	5,297	5,297	6,462
FY 2019	Phase 1	21	21	156
FY 2020	Phase 1	0	0	28
FY 2021	Phase 1	66	0	0
FY 2022	Phase 1	787	427	427
FY 2023	Phase 1	0	0	0
FY 2024	Phase 1	200	200	200
FY 2025	Phase 1	200	200	200
FY 2026	Phase 1	200	560	560
Outyears	Phase 1	TBD	TBD	TBD
Total, OPC		TBD	TBD	TBD
Total BOC				
Subproject (TPC) ^b				
FY 2011	Phase 1	1,063	1,063	343
FY 2012	Phase 1	214	214	737
FY 2013	Phase 1	627	627	591
FY 2014	Phase 1	2,332	2,332	2,140
FY 2015	Phase 1	3,978	3,978	3,320
FY 2016	Phase 1	7,050	7,050	4,266
FY 2017	Phase 1	7,973	1,973	4,439
FY 2018	Phase 1	15,297	21,297	7,274
FY 2019	Phase 1	10,000	323	10,309
FY 2020	Phase 1	0	9,539	4,253
FY 2021	Phase 1	7,593	5,364	2,266
FY 2022	Phase 1	787	1,270	3,014
FY 2023	Phase 1	6,254	12,254	1,800
FY 2024	Phase 1	6,500	200	3,682
FY 2025	Phase 1	8,746	5,200	7,169
FY 2026	Phase 1	15,050	14,789	19,818
Outyears	Phase 1	TBD	TBD	TBD
Total		TBD	TBD	TBD

Overall Project (17-D-401)

		(Dollars in Thousands)		
		Appropriations	Obligations	Costs
Environmental Management/ Oak Ridge/17-D-401 On Site Waste Disposal Facility Y-12 National Security Complex, Oak Ridge Tennessee				
FY 2026 Congressional Justification				

Design ^a				
FY 2017	Phase 1	6,000	0	0
FY 2018	Phase 1	10,000	16,000	812
FY 2019	Phase 1	9,979	302	10,153
FY 2020	Phase 1	0	9,539	4,225
FY 2021	Phase 1	22,314	5,364	2,266
FY 2022	Phase 1	11,713	843	2,587
FY 2023	Phase 1	6,254	38,754	1,800
FY 2024	Phase 1	33,546	17,700	35,166
FY 2025	Phase 1	9,800	15,800	21,125
FY 2026	Phase 1	14,850	14,229	28,418
Outyears	Phase 1	TBD	TBD	TBD
Total, Design		TBD	TBD	TBD
Construction ^b				
FY 2017	Phase 1	0	0	0
FY 2018	Phase 1	0	0	0
FY 2019	Phase 1	0	0	0
FY 2020	Phase 1	0	0	0
FY 2021	Phase 1	0	0	0
FY 2022	Phase 1	0	0	0
FY 2023	Phase 1	28,746	6,598	6,598
FY 2024	Phase 1	1,254	23,402	23,402
FY 2025	Phase 1	0	0	0
FY 2026	Phase 1	0	0	0
Outyears	Phase 1	TBD	TBD	TBD
Total, Construction		TBD	TBD	TBD
TEC ^b				
FY 2017	Phase 1	6,000	0	0
FY 2018	Phase 1	10,000	16,000	812
FY 2019	Phase 1	9,979	302	10,153
FY 2020	Phase 1	0	9,539	4,225
FY 2021	Phase 1	22,314	5,364	2,266
FY 2022	Phase 1	11,713	843	2,587
FY 2023	Phase 1	35,000	45,352	8,398
FY 2024	Phase 1	34,800	41,102	58,568
FY 2025	Phase 1	9,800	15,800	21,125
FY 2026	Phase 1	14,850	14,229	28,418
Outyears	Phase 1	TBD	TBD	TBD
Total TEC		TBD	TBD	TBD
OPC except D&D ^a				
FY 2011	Phase 1	1,063	1,063	343
FY 2012	Phase 1	214	214	737
FY 2013	Phase 1	627	627	591
FY 2014	Phase 1	2,332	2,332	2,140
FY 2015	Phase 1	3,978	3,978	3,320
FY 2016	Phase 1	7,050	7,050	4,266
FY 2017	Phase 1	1,973	1,973	4,439
FY 2018	Phase 1	5,297	5,297	6,462

Environmental Management/
Oak Ridge/17-D-401 On Site Waste
Disposal Facility Y-12 National Security
Complex, Oak Ridge Tennessee

FY 2026 Congressional Justification

FY 2019	Phase 1	21	21	156
FY 2020	Phase 1	0	0	28
FY 2021	Phase 1	66	0	0
FY 2022	Phase 1	787	427	427
FY 2023	Phase 1	0	0	0
FY 2024	Phase 1	200	200	200
FY 2025	Phase 1	200	200	200
FY 2026	Phase 1	200	560	560
Outyears	Phase 1	TBD	TBD	TBD
Total, OPC except D&D		TBD	TBD	TBD

OPC^a

FY 2011	Phase 1	1,063	1,063	343
FY 2012	Phase 1	214	214	737
FY 2013	Phase 1	627	627	591
FY 2014	Phase 1	2,332	2,332	2,140
FY 2015	Phase 1	3,978	3,978	3,320
FY 2016	Phase 1	7,050	7,050	4,266
FY 2017	Phase 1	1,973	1,973	4,439
FY 2018	Phase 1	5,297	5,297	6,462
FY 2019	Phase 1	21	21	156
FY 2020	Phase 1	0	0	28
FY 2021	Phase 1	66	0	0
FY 2022	Phase 1	787	427	427
FY 2023	Phase 1	0	0	0
FY 2024	Phase 1	200	200	200
FY 2025	Phase 1	200	200	200
FY 2026	Phase 1	200	560	560
Outyears	Phase 1	TBD	TBD	TBD
Total, OPC		TBD	TBD	TBD

Total Project Cost (TPC)^b

FY 2011	Phase 1	1,063	1,063	343
FY 2012	Phase 1	214	214	737
FY 2013	Phase 1	627	627	591
FY 2014	Phase 1	2,332	2,332	2,140
FY 2015	Phase 1	3,978	3,978	3,320
FY 2016	Phase 1	7,050	7,050	4,266
FY 2017	Phase 1	7,973	1,973	4,439
FY 2018	Phase 1	15,297	21,297	7,274
FY 2019	Phase 1	10,000	323	10,309
FY 2020	Phase 1	0	9,539	4,253
FY 2021	Phase 1	22,380	5,364	2,266
FY 2022	Phase 1	12,500	1,270	3,014
FY 2023	Phase 1	35,000	45,352	8,398
FY 2024	Phase 1	35,000	41,302	58,768
FY 2025	Phase 1	10,000	16,000	21,325
FY 2026	Phase 1	15,050	14,789	28,978

Outyears	Phase 1	TBD	TBD	TBD
		TBD	TBD	TBD

^a Design cost for ESP and OPC cost for ESP and GWFD were accrued under the BOC Sub-Project

^b Note: Congress appropriated line item funds for TPC beginning in FY 2017. Congress also appropriated OPC funds through FY 2018 until CD-1 was approved.

4. Details of Phase 1 Project Cost Estimate

(Dollars in Thousands)			
	Current Total Estimate	Previous Total Estimate	Original Validated Baseline
Total Estimated Cost (TEC)			
Design	TBD	TBD	
Construction			
Phase 1	TBD	TBD	N/A ^a
Total Construction	TBD	TBD	N/A ^a
Total Estimated Cost (TEC)			
	TBD	TBD	N/A ^a
Other Project Cost (OPC)			
Phase 1	TBD	TBD	N/A ^a
Total, OPC	TBD	TBD	N/A ^a
Total, TPC	TBD	TBD	N/A ^a

^a This project has not received CD-2 at this time for Subproject two and Subproject three; therefore, a validated performance baseline has not been established.

5. Schedule of Phase 1 Appropriation Requests

Request		Prior Years	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	Out years	Total
FY 2018	TEC	6,000	1,000									TBD	TBD
	OPC	17,237	4,000									TBD	TBD
	TPC	23,237	5,000									TBD	TBD
FY 2019	TEC	6,000	10,000	4,690								TBD	TBD
	OPC	17,237	5,297	310								TBD	TBD
	TPC	23,237	15,297	5,000								TBD	TBD
FY 2020	TEC	6,000	10,000										
	OPC	17,237	5,297										
	TPC	23,237	15,297	10,000	15,269	0						TBD	TBD
FY 2021	TEC	6,000	10,000										
	OPC	17,237	5,297										
	TPC	23,237	15,297	10,000	0	22,380						TBD	TBD
FY 2022	TEC	6,000	10,000										
	OPC	17,237	5,297										

Environmental Management/
Oak Ridge/17-D-401 On Site Waste
Disposal Facility Y-12 National Security
Complex, Oak Ridge Tennessee

FY 2026 Congressional Justification

	TPC	23,237	15,297	10,000	0	22,380	12,500	80,266				TBD	TBD
FY 2023	TEC	6,000	10,000										
	OPC	17,237	5,297										
	TPC	23,237	15,297	10,000	0	22,380	12,500	35,000				TBD	TBD
FY 2024	TEC	6,000	10,000										
	OPC	17,237	5,297										
	TPC	23,237	15,297	10,000	0	22,380	12,500	35,000	24,500			TBD	TBD
FY 2025	TEC	6,000	10,000										
	OPC	17,237	5,297										
	TPC	23,237	15,297	10,000	0	22,380	12,500	35,000	24,500	40,000		TBD	TBD
FY 2026	TEC	6,000	10,000										
	OPC	17,237	5,297										
	TPC	23,237	15,297	10,000	0	22,380	12,500	35,000	35,000	10,000	15,050	TBD	TBD

6. Related Operations and Maintenance Funding Requirements

Start of Operation or Beneficial Occupancy (fiscal quarter or date) TBD
Expected Useful Life (number of years) TBD
Expected Future Start of D&D of this Capital Asset (fiscal quarter) TBD

(Related Funding Requirements)

(Dollars in Thousands)

	Annual Costs		Life Cycle Costs	
	Current Total Estimate	Previous Total Estimate	Current Total Estimate	Previous Total Estimate
Operations	TBD	TBD	TBD	TBD
Utilities	0	0	0	0
Maintenance	0	0	0	0
Total, Operations & Maintenance	TBD	TBD	TBD	TBD

7. D&D Information

The new area being constructed in this project is not replacing existing facilities. D&D is not applicable for this project.

Area	Square Feet
New area being constructed by this project at Y-12 National Security Complex	(footprint)*
Area of D&D in this project at Y-12 National Security Complex	0
Area at Y-12 National Security Complex to be transferred, sold, and/or D&D outside the project including area previously "banked"	0
Area of D&D in this project at other sites	0
Area at other sites to be transferred, sold, and/or D&D outside the project including area previously "banked"	0
Total area eliminated	0

* The one-for-one replacement requirement is met by using previously "banked" square footage from demolished facilities at the East Tennessee Technology Park, Oak Ridge, Tennessee.

Note: The On-Site Waste Disposal Facility will be constructed outside the footprint of the Y-12 National Security Complex.

8. Acquisition Approach

Awarded contract to URS/CH2M Oak Ridge, LLC (UCOR) on April 29, 2011. This contract includes the cleanup of East Tennessee Technology Park (ETTP) and other EM operations and activities, including the design of the On-Site Waste Disposal Facility and support for DOE Order 413.3B Critical Decision approval. The contract is a cost-plus award fee with performance-based incentives. Awarded a new contract to United Cleanup Oak Ridge, LLC (UCOR) on October 26, 2021, to continue this scope of work. This contract is an Indefinite-Delivery/Indefinite-Quantity (IDIQ) contract with 17 End State Task Orders. The scope under Task Orders for Line Item Projects is treated as cost plus incentive fee.

Completion of Phase 1 and 2 is included in the follow-on End State Contracting Model Oak Ridge Cleanup Contract acquisition, which is included under Task Order 8. An Acquisition Strategy (AS) will be developed to support Phase 3 Critical Decision-1/2/3. This AS will address the contracting approach for Phase 3 construction and transition to operations.

**14-D-403, Outfall 200 Mercury Treatment Facility
Y-12 National Security Complex, Oak Ridge Tennessee
Project for Design and Construction**

1. Summary, Significant Changes and Schedule and Cost History

Summary

The FY 2026 Request for the Outfall 200 Mercury Treatment Facility is \$34,885,000 for construction. Congressional control is at Total Project Cost (TPC). The project is revising its baseline.

The project cost increased due to cost impacts from site conditions that are different than what was expected, the need to treat groundwater for contamination, and other changes which will be incorporated in an updated baseline that is in development.

The most recent DOE O 413.3B approved Critical Decision (CD) is Critical Decision-2/3, *Approve Performance Baseline/Approve Start of Construction*, that was approved on October 1, 2018, with a Total Project Cost of \$224,000,000 and a CD-4 of September 30, 2025.

A Federal Project Director at the appropriate level, (level III) has been proposed for the project and has approved this data sheet.

Significant Changes

This Construction Project Data Sheet is an update of the FY 2025 Construction Project Data Sheet and does not include a new start for the budget year.

A notification of performance baseline deviation for the project was sent to EM-1 on May 1, 2023. In response on June 2, 2023, OREM was directed by EM-1 to conduct a root cause analysis on the deviation and to prepare and submit a Baseline Change Proposal providing a new project baseline. EM-1 authorized the project to exceed the Total Project Cost so that construction could continue while a new baseline is established.

The original construction contract expired in early FY 2024. The remaining scope was partially transferred to the site cleanup contractor who also performs design, support, Title III, and startup scope for the project. The cleanup contractor has progressed construction since the transfer and is supporting the rebaseline effort. Starting in FY 2024, the design, construction, Title III, start up, and other project costs are merged until a new baseline is established. Total Project Costs are tracked during the interim. The rebaselining will include sunk costs in the Total Project Costs and differentiate between the construction phase and startup phase in future baseline performance.

Critical Milestone History

Request	Fiscal Quarter or Date								
	CD-0	Conceptual Design Complete	CD-1	CD-3A	CD-2	Final Design Complete	CD-3	D&D Complete	CD-4
FY 2015	2Q FY2014 ^a	N/A	2Q FY 2015	N/A	4Q FY2017	1Q FY2017	TBD	N/A	TBD
FY 2016	3/17/2014 ^a	1Q FY2015	2Q FY 2015	N/A	TBD	TBD	TBD	N/A	TBD
FY 2017	3/17/2014 ^a	10/13/2014	5/6/2015	N/A	TBD	TBD	TBD	N/A	TBD
FY 2018	3/17/2014 ^a	10/13/2014	5/6/2015	N/A	TBD	TBD	TBD	N/A	TBD
FY 2019	3/17/2014 ^a	10/13/2014	5/6/2015	8/2/2017	TBD	4Q FY2017 ^b	TBD	N/A	TBD
FY 2020	9/22/2014 ^a	10/13/2014	5/6/2015	8/2/2017	10/1/2018	8/10/2017 ^b	10/1/2018	N/A	4Q FY 2025
FY 2021	9/22/2014 ^a	10/13/2014	5/6/2015	8/2/2017	10/1/2018	8/10/2017 ^b	10/1/2018	N/A	4Q FY 2025
FY 2024	9/22/2014 ^a	10/13/2014	5/6/2015	8/2/2017	10/1/2018	8/10/2017	10/1/2018	N/A	TBD
FY 2025	9/22/2014 ^a	10/13/2014	5/6/2015	8/2/2017	10/1/2018	8/10/2017	10/1/2018	N/A	TBD
FY 2026	9/22/2014 ^a	10/13/2014	5/6/2015	8/2/2017	10/1/2018	8/10/2017	10/1/2018	N/A	TBD

^a Critical Decision -0 approval was originally issued on 7/20/2007 for the aggregate cleanup of the Y-12 National Security Site. Conceptual Design activities for this project were not initiated until FY 2012. An updated, project-specific Mission Need Statement and Critical Decision-0 was approved by the Assistant Secretary of Environmental Management on March 17, 2014. Disaggregation of the project from the aggregate cleanup of the Y-12 National Security Site was approved by the Deputy Secretary of Energy on September 22, 2014 and this date is recorded as the official Critical Decision-0 approval date in the Project Assessment and Reporting System (PARS).

^b A design contractor will provide Title III design support during the construction phase.

CD-0 – Approve Mission Need

Conceptual Design Complete – Actual date the conceptual design was completed (if applicable)

CD-1 – Approve Alternative Selection and Cost Range

CD-3A – Long-Lead Procurement/Early Site Preparation

CD-2 – Approve Performance Baseline

Final Design Complete – Estimated date the project design will be complete

CD-3 – Approve Start of Construction

D&D Complete – Completion of D&D work

CD-4 – Approve Start of Operations or Project Completion

Project Cost History

(Dollars in Thousands)

	TEC, Design	TEC, Construction	TEC, Total	OPC, Except D&D	OPC, D&D	OPC, Total	TPC
FY 2015	34,500	TBD	TBD	TBD	N/A	TBD	TBD
FY 2016	34,500	TBD	TBD	TBD	N/A	TBD	TBD
FY 2017	34,500	TBD	TBD	TBD	N/A	TBD	TBD
FY 2018	30,175	TBD	TBD	TBD	N/A	TBD	TBD
FY 2019	29,062	TBD	TBD	TBD	N/A	TBD	TBD
FY 2020	30,476	168,732	199,208	24,792	N/A	24,792	224,000
FY 2021	32,057	157,925	189,982	34,018	N/A	34,018	224,000
FY2024	33,403	TBD ^a	TBD ^a	30,945	N/A	30,945	TBD ^a
FY2025	33,403	TBD ^a	TBD ^a	30,945	N/A	30,945	TBD ^a
FY2026	TBD ^a	TBD ^a	TBD ^a	TBD ^a	N/A	TBD ^a	TBD ^a

^a The project is currently being rebaselined.

2. Project Scope and Justification

Scope

The scope of this project is to design and construct a Mercury Treatment Facility for Outfall 200 flow having a footprint of approximately 74,000 square feet comprised of two primary areas, the headworks area and the treatment facility area, joined by a transfer pipeline corridor. The headworks area will consist of collection and transfer components, grit separation equipment, and storm water storage tank. The treatment facility will consist of outdoor tanks, piping, and transfer and treatment equipment along with an approximately 22,000 square foot metal building to house weather-sensitive equipment and controls and office areas. In addition, construction will include utilities, foundations, parking, and fencing. The Outfall 200 Mercury Treatment Facility will be constructed at the Y-12 National Security Complex in Oak Ridge, Tennessee, as a Comprehensive Environmental Response, Compensation, and Liability Act of 1980 interim remedial action. The facility will provide treatment of storm sewer water discharges through Outfall 200, for the removal of mercury. The facility

**Environmental Management/
Oak Ridge/14-D-403 200 Mercury
Treatment Facility (OR-0041)**

FY 2026 Congressional Justification

will accomplish mercury removal through a combination of unit operations, including grit removal, chemical precipitation, clarification and media filtration.

The Comprehensive Environmental Response, Compensation, and Liability Act and DOE O 413.3B Critical Decision processes are ongoing.

Justification

Historical missions at the Y-12 National Security Complex resulted in the release of mercury to the environment. Residual mercury in the 60-year-old, deteriorating storm drain infrastructure, infiltrating groundwater and sediment-bound mercury are remobilized and transported through the storm drain network to Outfall 200 into the Upper East Fork Poplar Creek. Currently, this is the largest environmental risk on the U.S. Department of Energy Oak Ridge site. The primary pathway of concern is surface water because the Upper East Fork Poplar Creek flows directly from the Y-12 complex into the city of Oak Ridge. Over the past two decades, DOE has implemented a series of projects that have reduced the concentration of mercury measured at the site boundary at Station 17, the Y-12 National Pollutant Discharge Elimination System permit compliance point. Despite the success of these actions, an unknown volume of mercury remains in the soils beneath and adjacent to the buildings, storm sewers, and process pipelines, which continues to be released to the storm sewer system. Design and construction of a water treatment system for Outfall 200 flow is expected to mitigate the current downstream migration of mercury, as well as potential future changes in mercury flux characteristics.

The project is being conducted in accordance with the project management requirements in DOE O 413.3B, *Program and Project Management for the Acquisition of Capital Assets*.

Key Performance Parameters (KPPs)

The Threshold Key Performance Parameters, represent the minimum acceptable performance that the project must achieve. Achievement of the Threshold Key Performance Parameters will be a prerequisite for approval of Critical Decision -4, *Approve Project Completion/Start of Operations*.

Performance Measure	Threshold	Objective
Provide an intake collection capacity of up to 40,000 gallons per minute (gpm), including capability to transfer up to 3,000 gpm for treatment	Yes	TBD
Provide a storm water storage capacity of up to 2 million gallons	Yes	TBD
Construct a water treatment facility with processing capacity to treat up to 3,000 gpm utilizing flow equalization, chemical precipitation, clarification, and media filtration.	Yes	TBD

3. Project Cost and Schedule

Financial Schedule

(dollars in thousands)		
Budget Authority (Appropriations)	Obligations	Costs

Total Estimated Cost (TEC)

Design

FY 2014	N/A	N/A	0
FY 2015	N/A	N/A	1,184
FY 2016	N/A	N/A	6,278
FY 2017	N/A	N/A	5,838
FY 2018	N/A	N/A	2,097
FY 2019	N/A	N/A	1,916
FY 2020	N/A	N/A	2,822
FY 2021	N/A	N/A	4,646
FY 2022	N/A	N/A	4,779
FY 2023	N/A	N/A	9,473
FY 2024	N/A	N/A	7,038
FY 2025	N/A	N/A	6,362
FY 2026	N/A	N/A	TBD

Outyears	N/A	N/A	TBD
Total, Design ^d	N/A	N/A	TBD

Construction

FY 2017	N/A	N/A	984
FY 2018	N/A	N/A	12,918
FY 2019	N/A	N/A	15,505
FY 2020	N/A	N/A	19,874
FY 2021	N/A	N/A	13,105
FY 2022	N/A	N/A	26,220
FY 2023	10,000	N/A	35,841 ^e
FY 2024	30,000	N/A	32,369 ^e
FY 2025	44,000	TBD	26,734 ^e
FY 2026	34,885	TBD	TBD ^e

Outyears	TBD	TBD	TBD ^e
Total, Construction	TBD	TBD	TBD ^e

TEC

FY 2014	4,608	0	0
FY 2015	9,400	14,008	1,184
FY 2016	9,400	9,400	6,278
FY 2017	4,000	2,509	6,822
FY 2018	16,000	5,128	15,015
FY 2019	N/A	88,334	17,421
FY 2020	N/A	26,621	22,696
FY 2021	N/A	10,994	17,751
FY 2022	N/A	16,573	30,999

(dollars in thousands)

	Budget Authority (Appropriations)	Obligations	Costs
FY 2023	10,000	45,602	45,314 ^e
FY 2024	30,000	20,026	39,407 ^e
FY 2025	44,000	22,000	33,096 ^e
FY 2026	34,885	36,000	TBD ^e
Outyears	TBD	TBD	TBD ^e
Total TEC	TBD	TBD ^e	TBD ^e

* Congress appropriated funds for TPC beginning in FY 2017.

Other Project Cost (OPC)

OPC except D&D

FY 2012 ^a	5,153	5,153	2,325
FY 2013 ^b	253	253	2,684
FY 2014 ^c	4,375	4,375	2,895
FY 2015	1,413	1,413	2,565
FY 2016	698	698	775
FY 2017	1,100	1,100	359
FY 2018	1,100	1,100	0
FY 2019	N/A	0	0
FY 2020	N/A	9	52
FY 2021	N/A	0	0
FY 2022	N/A	0	0
FY 2023	N/A	700	582
FY 2024	N/A	4,801	500
FY 2025	N/A	8,000	8,000
FY 2026	N/A	4,000	TBD ^e
Outyears	TBD	TBD	TBD ^e
Total, OPC except D&D	TBD	TBD ^e	TBD ^e

OPC

FY 2012 ^a	5,153	5,153	2,325
FY 2013 ^b	253	253	2,684
FY 2014 ^c	4,375	4,375	2,895
FY 2015	1,413	1,413	2,565
FY 2016	698	698	775
FY 2017	1,100	1,100	359
FY 2018	1,100	1,100	0
FY 2019	N/A	0	0
FY 2020	N/A	9	52
FY 2021	N/A	0	0
FY 2022	N/A	0	0
FY 2023	N/A	700	582
FY 2024	N/A	4,801	500
FY 2025	N/A	8,000	8,000
FY 2026	N/A	4,000	TBD ^e
Outyears	TBD	TBD	TBD ^e
Total, OPC	TBD	TBD ^e	TBD ^e

(dollars in thousands)		
Budget Authority (Appropriations)	Obligations	Costs

* Congress appropriated funds for TPC beginning in FY 2017.

Total Project Cost (TPC)

FY 2012 ^a	5,153	5,153	2,325
FY 2013 ^b	253	253	2,684
FY 2014 ^c	8,983	4,375	2,895
FY 2015	10,813	15,421	3,749
FY 2016	10,098	10,098	7,053
FY 2017	5,100	3,609	7,181
FY 2018	17,100	6,228	15,015
FY 2019	76,000	88,334	17,421
FY 2020	70,000	26,630	22,748
FY 2021	20,500	10,994	17,751
FY 2022	0	16,573	30,999
FY 2023	10,000	46,302	45,896 ^e
FY 2024	30,000	30,000	39,907 ^e
FY 2025	44,000	37,856	41,096 ^e
FY 2026	34,885	TBD	TBD ^e
Outyears	TBD	TBD	TBD ^e
Total, TPC	TBD ^e	TBD ^e	TBD ^e

* Congress appropriated funds for TPC beginning in FY 2017.

^a FY 2012 cost of \$2,325 is funded by Recovery Act appropriations.

^b FY 2013 cost of \$2,684 is funded by Recovery Act appropriations.

^c FY 2014 cost of \$145 is funded by Recovery Act appropriations.

^d A design contractor will provide Title III design support during the construction phase.

^e The project is being rebaselined.

4. Details of Project Cost Estimate

(dollars in thousands)			
	Current Total Estimate	Previous Total Estimate	Original Validated Baseline
Total Estimated Cost (TEC)			
Design			
Design	TBD ^a	14,530	13,944
Title III	TBD ^a	16,025	13,156
Contingency	TBD ^a	2,848	3,377
Total Design	TBD ^a	33,403	30,476
Construction			
Construction	TBD ^a	113,331	114,977
Early Site Preparation	17,882	17,882	19,000
Contingency	TBD ^a	28,439	34,755
Total Construction	TBD ^a	159,652	168,732

(dollars in thousands)

	Current Total Estimate	Previous Total Estimate	Original Validated Baseline
Total, TEC	TBD ^a	193,055	199,208
Contingency, TEC	TBD ^a	31,287	38,132
Other Project Cost (OPC)			
OPC except D&D			
Conceptual Design	7,730	7,730	7,300
Start-Up	TBD ^a	8,160	6,850
Contingency	TBD ^a	3,184	4,262
Other OPC	TBD ^a	11,871	6,380
Total, OPC except D&D	TBD ^a	30,945	24,792
Total, OPC	TBD ^a	30,945	24,792
Contingency, OPC	TBD ^a	3,184	4,262
Total, TPC	TBD ^a	224,000	224,000
Total, Contingency	TBD ^a	34,471	42,394

^a The project is being rebaselined.**5. Schedule of Appropriation Requests**

Request		Prior Years	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026		Out- years	Total
FY 2015 Request	TEC	14,008										TBD
	OPC	11,194										TBD
	TPC	25,202										TBD
FY 2016 Request	TEC	20,808										TBD
	OPC	11,694										TBD
	TPC	32,502										TBD
FY 2017 Request	TEC	27,408										TBD
	OPC	12,994										TBD
	TPC	40,402										TBD
FY 2018 Request	TEC	23,408										TBD
	OPC	11,894										TBD
	TPC	57,502										TBD
FY 2019 Request	TEC	23,408	TBD								TBD	TBD
	OPC	11,894	TBD								TBD	TBD
	TPC	68,776	TBD								TBD	TBD
FY 2020	TEC	23,408	N/A								N/A	N/A

Request		Prior Years	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026		Out-years	Total
Request	OPC	11,894	N/A								N/A	N/A
	TPC	113,500	49,000	N/A	41,498						N/A	224,000
FY 2021 Request	TEC	23,408	N/A	N/A	N/A						N/A	N/A
	OPC	11,892	N/A	N/A	N/A						N/A	N/A
	TPC	113,500	70,000	20,500	N/A						N/A	224,000
FY 2024 Request	TEC	23,408	N/A	N/A	N/A	N/A	N/A	N/A	N/A		N/A	TBD
	OPC	11,892	N/A	N/A	N/A	N/A	N/A	N/A	N/A		N/A	N/A
	TPC	113,500	70,000	20,500	N/A	N/A	10,000	N/A	N/A		TBD ^a	TBD ^a
FY 2025 Request	TEC	23,408	N/A	N/A	N/A	N/A	N/A	N/A	N/A		N/A	TBD
	OPC	11,892	N/A	N/A	N/A	N/A	N/A	N/A	N/A		N/A	N/A
	TPC	113,500	70,000	20,500	N/A	10,000	30,000	30,000	N/A		TBD ^a	TBD ^a
FY 2026 Request	TEC	23,408	N/A	N/A	N/A	N/A	N/A	N/A	N/A		N/A	TBD
	OPC	11,892	N/A	N/A	N/A	N/A	N/A	N/A	N/A		N/A	N/A
	TPC	113,500	70,000	20,500	N/A	10,000	30,000	44,000	34,885		TBD ^a	TBD ^a

* Congress appropriated funds for TPC beginning in FY 2017. No requests made for FY22 or FY23.

^a The project is in the process of establishing a revised Performance Baseline. The FPD estimate for the revised Total Project Cost is TBD.

6. Related Operations and Maintenance Funding Requirements

Start of Operation or Beneficial Occupancy (fiscal quarter or date) TBD^a

Expected Useful Life (number of years) 16

Expected Future Start of D&D of this Capital Asset (fiscal quarter) TBD^a

^a The project is being rebaselined.

Related Funding Requirements

(dollars in thousands)

	Annual Costs		Life Cycle Costs	
	Current Total Estimate	Previous Total Estimate	Current Total Estimate	Previous Total Estimate
Operations	7,880 ^a	7,880	126,080 ^b	126,080
Utilities	0	0	0	0
Maintenance	0	0	0	0
Total, Operations & Maintenance	7,880 ^a	7,880	126,080 ^b	126,080

^a Annual Costs have been escalated to FY 2026 dollars to reflect estimated cost as of the start of operations. This will be adjusted after the rebaseline if required.

^b Life Cycle Costs have not been escalated over the estimated 16-year period of operations.

7. D&D Information

The new area being constructed in this project is not replacing existing facilities.

Area	Square Feet
New area being constructed by this project at Y-12 National Security Complex	22,000
Area of D&D in this project at Y-12 National Security Complex	0
Area at Y-12 National Security Complex to be transferred, sold, and/or D&D outside the project including area previously "banked"	0
Area of D&D in this project at other sites	0
Area at other sites to be transferred, sold, and/or D&D outside the project including area previously "banked"	22,000
Total area eliminated	22,000

The one-for-one replacement requirement is met by using previously "banked" square footage from demolished facilities at the East Tennessee Technology Park, Oak Ridge, Tennessee.

8. Acquisition Approach

Awarded contract to URS/CH2M Oak Ridge, LLC (UCOR) on April 29, 2011. This contract includes the design of the Outfall 200 Mercury Treatment Facility, support for Critical Decision-3A/early site preparation construction activities, early site preparation utilities relocation and secant pile wall construction, support for DOE Order 413.3B Critical Decision approval through Critical Decision-2/3, and construction management technical support services. The contract was a cost-plus award fee with performance-based incentives.

Awarded 8a contract to Aerostar SES, LLC for limited early site preparation activities. The contract was a firm-fixed price contract.

The design contractor provided the Title III support during the construction phase and, therefore, Title III Costs are Project Engineering and Design. A new contract was awarded to United Cleanup Oak Ridge, LLC (UCOR) on October 26, 2021, to continue design, Title III, and support scope of work. This contract is an Indefinite-Delivery/Indefinite-Quantity (IDIQ) Single Award Task Order Contract.

An Acquisition Strategy was developed for the project to support Critical Decision-1 approval and updated to support Critical Decision-2/3 approval. An Acquisition Plan was developed for the project construction phase. A firm fixed price contract was competitively procured for the balance of construction; award was made December 4, 2018 to Aptim North Wind Construction JV LLC (ANW).

The ANW contract expired on December 25, 2023. The remaining ANW scope was partially transferred to UCOR with the operational responsibility transitioning on November 16, 2023. UCOR has progressed construction since the transfer and supported the rebaseline effort under a cost reimbursable fixed fee task order agreement. UCOR is developing a revised proposal for the remaining scope.

Paducah

Overview

Occupying 3,556 acres near Paducah, Kentucky, the Paducah Gaseous Diffusion Plant (GDP) enriched uranium and was the last government-owned uranium enrichment facility operating in the United States. The Paducah Gaseous Diffusion Plant produced low-enriched uranium originally as feedstock for nuclear weapons and later for commercial nuclear power plants until the extensive environmental cleanup program began. The Paducah Site cleanup will position the Department of Energy to meet the nation's Manhattan Project and Cold War legacy responsibilities. The overall cleanup strategy at Paducah includes near-term actions to control or eliminate ongoing sources of contamination, along with the continued investigation of other potential sources.

To complete cleanup, Paducah will maintain a safe, secure, and compliant posture; support high priority groundwater remediation; deactivate and decommission excess facilities; and disposition mixed and low-level radioactive waste.

Paducah will continue to operate the Depleted Uranium Hexafluoride Conversion Facility.

Direct maintenance and repair at Paducah estimated to be \$32,022,000.

The Paducah Operations Office plans to purchase 2 heavy-duty trucks (line truck and bucket) in FY 2026.

Highlights of the FY 2026 Budget Request

The FY 2026 Budget Request supports activities to integrate Paducah cleanup by applying a holistic approach consistent with what was implemented at the Portsmouth Site. This will facilitate early property transfer to the community for site reindustrialization. This budget request also supports the safe operation of the Depleted Uranium Hexafluoride Conversion facility, completion of cylinder shipping infrastructure upgrades, and initiation of heel and empty cylinder shipments to a licensed disposal facility.

FY 2025 - 2026 Key Milestones/Outlook

- (September 2025) Initiate Comprehensive Cleanup Strategy to Include Consideration for On-Site Waste Disposal Alternative, if Selected.
- (September 2025) Complete Congressional Mandate of Re-Industrialization Study to Provide Local Community Plans of Re-Industrialization and Workforce Development.
- (September 2025) Complete C-333 Process Building Deactivation, Characterization and Uranium Deposit Removal.
- (September 2025) Initiate Property Transfer Activities in Support of Community Reuse and Site Repurposing Efforts.
- (September 2025) Continue Installation of a Cylinder Evacuation Improvement Project to Yield a 10-15% Improvement in Plant Processing Efficiency.
- (September 2025) Continue Infrastructure and Preliminary Oxide Shipments.
- (September 2026) Continue Comprehensive Cleanup Strategy to Include Consideration for On-Site Waste Disposal Alternative, if Selected.
- (September 2026) Continue limited C-337 Process Building Deactivation, Characterization and Uranium Deposit Removal.
- (September 2026) Continue Northwest Plume Pump and Treat Project Optimization Upgrades.
- (September 2026) Continue Property Transfer Activities in Support of Community Reuse/Site Repurposing Efforts.

Regulatory Framework

In May 1994, the Paducah Site was placed on the United States Environmental Protection Agency's National Priorities List under the Comprehensive Environmental Response, Compensation, and Liability Act of 1980. The

1998 Federal Facility Agreement among the Department, the Commonwealth of Kentucky and the United States Environmental Protection Agency (Region 4) established the framework for cleanup at Paducah, instituted enforceable milestones, and coordinated site-specific cleanup requirements under the Comprehensive Environmental Response, Compensation, and Liability Act and the Resource Conservation and Recovery Act. Section XVIII of the Federal Facility Agreement requires that DOE submit an annual Site Management Plan (SMP), which outlines DOE's strategic approach for achieving cleanup with regulatory engagement and support. The FY 2024 Site Management Plan integrates the DOE proposed strategy to accelerate Paducah cleanup by applying a holistic approach consistent with what was implemented at the Portsmouth Site.

DOE and the Commonwealth of Kentucky have a separate Agreed Order addressing management of depleted uranium hexafluoride cylinders.

The United States Environmental Protection Agency and the Kentucky Department for Environmental Protection are the principal regulatory agencies for Paducah's waste management operations regarding compliance with provisions of the Resource Conservation and Recovery Act; Hazardous Waste Management Permits; the Toxic Substances Control Act regulations for polychlorinated biphenyl wastes; the Commonwealth of Kentucky surface water discharge regulations and the Commonwealth of Kentucky solid and hazardous waste regulations.

Contractual Framework

Current contracts at Paducah include:

- Mid-America Conversion Services, LLC, a cost-plus-award-fee/fixed-price contract for operation of the Portsmouth and Paducah depleted uranium hexafluoride facilities and cylinder surveillance and maintenance, covering the period from September 30, 2016 – September 30, 2023. An extension was awarded, extending the period from October 1, 2023, to September 30, 2024. An additional extension was awarded through September 30, 2025, to accommodate additional time required by DOE to award the follow-on contract.
- Mission Conversion Services Alliance, LLC is a cost-plus-award fee and Indefinite Delivery/Indefinite Quantity contract for operations and site mission support at the Paducah and Portsmouth facilities covering October 1, 2025 – September 30, 2030 with two options that could extend through September 30, 2035. Services performed include Depleted Uranium Hexafluoride conversion, uranium hexafluoride cylinder transfers, and mission support. Notice to Proceed has been issued to begin on June 2, 2025 for a 120 day transition period that will expire on September 30, 2025. It is anticipated that full contract performance will begin on October 1, 2025.
- Four Rivers Nuclear Partnership was awarded a cost-plus-award-fee contract with cost reimbursable and Indefinite Delivery/Indefinite Quantity contract for deactivation and remediation services, covering the base period June 20, 2017 – June 19, 2022. A 36-month option period was awarded extending the contract to June 20, 2025, followed by a 24-month second option period that was awarded through June 19, 2027.
- Swift and Staley, Inc., a small business, hybrid firm-fixed-price contract for site support services, covering the period October 02, 2015 – September 30, 2020. Extensions have been awarded through September 30, 2025, to accommodate additional time required by DOE to award the follow-on contract.

Strategic Management

DOE has been working with the Kentucky Department for Environmental Protection and the United States Environmental Protection Agency (Region 4) to further define which projects can be sequenced, while optimizing resources and utilizing a risk-based approach, to ensure timely environmental cleanup.

In 2023, DOE proposed to integrate and accelerate Paducah cleanup decisions for environmental media, decontamination and decommissioning (D&D), and waste disposition. With this proposal, DOE intends to maintain momentum by taking additional actions to address the high-concentration centroid of the dissolved-phase plume emanating from the C-400 Complex documented in a technical memorandum. Three decision documents are proposed for submittal in 2029 (or earlier). These decision documents will propose and combine cleanup actions for (1) multiple environmental media areas (e.g., soils, surface water, groundwater, slabs, lagoons,

burial grounds) into a single final decision, establishing final cleanup levels for the entire Paducah Site based on anticipated future use; (2) propose and combine multiple D&D buildings into a single final decision; and (3) make a final waste disposal alternative decision. A final comprehensive site Operable Unit would consider appropriate actions for off-site ditches and any remaining contamination after actions determined by the three decision documents are complete. The FY 2024 Site Management Plan begins to pave the pathway for this holistic approach by establishing milestones to position the site to accelerate clean up at the Paducah Site. The FY 2024 SMP was approved in December 2023, by both the Kentucky Department for Environmental Protection and the United States Environmental Protection Agency (Region 4). The complete integration of the new strategy and associated enforceable milestones is currently scheduled to be included in the FY 2026 Site Management Plan.

The factors that could have an impact on the overall cleanup scope, schedule, and costs are identified below:

- DOE does not have a regulatory agreement on final cleanup levels, which remains a long-term, end-state issue.
- Future decontamination and decommissioning and remediation costs are subject to several uncertainties, including extent of contamination; disposal options; and stakeholder/regulator acceptance.

In addition, Paducah is operating a depleted uranium hexafluoride conversion facility.

Paducah Project Office

Funding (\$K)

	FY 2024 Enacted	FY 2025 Enacted	FY 2026 Request	FY 2026 Request vs FY 2025 Enacted \$	FY 2026 Request vs FY 2025 Enacted (%)
Defense Environmental Cleanup					
Safeguards and Security					
PA-0020 / Safeguards and Security	16,530	16,910	18,427	+1,517	+9%
Non-Defense Environmental Cleanup					
Gaseous Diffusion Plants					
PA-0011X / NM Stabilization and Disposition-Depleted Uranium Hexafluoride Conversion	74,608	76,317	70,416	-5,901	-8%
Uranium Enrichment Decontamination and Decommissioning Fund					
Paducah					
PA-0040 / Nuclear Facility D&D- Paducah	240,000	247,552	240,589	-6,963	-3%
Pension and Community and Regulatory Support					
PA-0102 / Paducah Contract/Post- Closure Liabilities/Administration (D&D Fund)	0	0	30	+30	0%
PA-0103 / Paducah Community and Regulatory Support	2,838	2,838	2,865	+27	+1%
Subtotal, Pension and Community and Regulatory Support	2,838	2,838	2,865	+27	+1%
Total, Uranium Enrichment Decontamination and Decommissioning Fund	242,838	250,390	243,484	-6,906	-3%
Total, Paducah	333,976	343,617	332,327	-11,290	-3%

Paducah Project Office
Explanation of Major Changes (\$K)

	FY 2025 Enacted	FY 2026 Request	FY 2026 Request vs FY 2025 Enacted
Defense Environmental Cleanup			
Safeguards and Security			
PA-0020 / Safeguards and Security			
• Increase supports cyber and other safeguards and security requirements.	16,910	18,427	+1,517
Non-Defense Environmental Cleanup			
Gaseous Diffusion Plants			
Paducah Gaseous Diffusion Plants			
PA-0011X / NM Stabilization and Disposition-Depleted Uranium Hexafluoride Conversion			
• Decrease due to the reduction of oxide cylinder disposition and infrastructure activities.	76,317	70,416	-5,901
Uranium Enrichment Decontamination and Decommissioning Fund			
Paducah			
PA-0040 / Nuclear Facility D&D-Paducah			
• Decrease due to the completion of a one-time Seismic study conducted by the University of Kentucky Research Foundation, and contract transtions that will be completed in FY 2025.	247,552	240,589	-6,963
Pension and Community and Regulatory Support			
PA-0102 / Paducah Contract/Post-Closure Liabilities/Administration (D&D Fund)			
• Increase supports continuity of post-retirement benefits program.	0	30	+30
PA-0103 / Paducah Community and Regulatory Support			
• No significant change.	2,838	2,865	+27
Total, Paducah	343,617	332,327	-11,290

Safeguards and Security (PBS: PA-0020)

Overview

This PBS can be found within the Defense Environmental Cleanup appropriation.

The safeguards and security program at the Paducah Gaseous Diffusion Plant provides security services to protect nuclear materials, classified uranium enrichment technology, equipment, personnel, and facilities. This program includes maintaining a security protective force to ensure safeguard of nuclear materials, classified technology/information, and personnel. The safeguards and security program also supports the Paducah remediation and cleanup programs. Within the safeguards and security program, the Department continues to pursue realignment of sensitive security areas to support accelerated and less costly cleanup of the site.

Safeguards and Security (PBS: PA-0020)

Activities and Explanation of Changes

025 Enacted	FY 2026 Request	Explanation of Changes FY 2026 Request vs FY 2025 Enacted
\$16,910,000	\$18,427,000	\$1,517,000,000
• Provide security services for personnel, equipment, information, classified matter, and special nuclear materials relating to DOE missions, to include decommissioning, decontamination, and demolition activities. • Continue compliance with Homeland Security Presidential Directive 12 requirements. • Implement cyber security requirements in accordance with Executive Order 14028, DOE O 205.1C, and the EM Cyber Security Program Plan.	• Provide safeguards and security using a graded approach to include physical security systems, protective forces, information security, operational security, personnel security, material control and accountability, program management, and cybersecurity. • Continue compliance with Homeland Security Presidential Directive 12 requirements. • Implement cyber security requirements in accordance with Executive Order 14028, DOE O 205.1C, and the EM Cyber Security Program Plan. • Perform infrastructure activities that support optimization and DOE Order implementation to reduce the limited area footprint and comply with DOE orders.	• Increase due to increased cyber security.

NM Stabilization and Disposition-Depleted Uranium Hexafluoride Conversion (PBS: PA-0011X)

Overview

This PBS is within the Non-Defense Environmental Cleanup appropriation.

This PBS scope includes operating a depleted uranium hexafluoride conversion facility at the Portsmouth Gaseous Diffusion Plant site. The facility converts depleted uranium hexafluoride into a more stable chemical form (depleted uranium oxide) suitable for beneficial reuse or disposition. The depleted uranium oxide and cylinders will initially be stored on-site and ultimately sent to a disposal facility if beneficial reuses are not realized. The hydrogen fluoride co-product is sold on the commercial market for unrestricted use. The proceeds from the sale of hydrogen fluoride are used to offset project-operating costs. The scope of this PBS also includes direct maintenance and repair that are applicable to these areas.

This PBS also includes surveillance and maintenance of all depleted uranium hexafluoride cylinders during conversion of the existing stockpile. Completion of these activities will contribute to reducing the footprint and total cleanup of the site.

NM Stabilization and Disposition-Depleted Uranium Hexafluoride Conversion (PBS: PA-0011X)

Activities and Explanation of Changes

EnactedEnacted	FY 2026 Request	Explanation of Changes - FY 2026 Request vs FY 2025 Enacted
\$76,317,000	\$70,416,000	-\$5,901,000
• Conduct operations of DUF6 conversion facility. • Package converted depleted uranium oxide and store on site. • Conduct cylinder surveillance and maintenance to keep material in a safe, stable condition. • Conduct annual plant maintenance outages. • Continue plant safety and reliability modifications • Continue cylinder evacuation project that will yield a 10-15% improvement in plant processing efficiency. • Continue infrastructure activities that will support the capability to ramp-up	• Conduct operations of DUF6 conversion facility. • Package converted depleted uranium oxide and store on site. • Conduct cylinder surveillance and maintenance to keep material in a safe, stable condition. • Conduct annual plant maintenance outages. • Continue limited plant safety and reliability modifications. • Continue limited progress on cylinder evacuation project that will yield a 10-15% improvement in plant processing efficiency.	• Decrease due to the reduction of oxide cylinder disposition and infrastructure activities.

oxide and heel/empty cylinder
shipments to a licensed commercial
disposal facility.

- Continue preliminary shipments of
oxide cylinders to a licensed disposal
facility.

Nuclear Facility D&D (PBS: PA-0040)

Overview

This PBS is within the Uranium Enrichment Decontamination and Decommissioning Fund appropriation.

The scope of this PBS includes environmental cleanup and risk reduction through focused response actions and surveillance and maintenance activities. The response actions involve treatment of on-site and off-site groundwater plumes, remediation of contaminated soils and burial grounds, and deactivation, decontamination and decommissioning of inactive or excess facilities, including the gaseous diffusion plant facilities. The scope also includes landfill operations and maintenance activities. Compliance requirements at the Paducah site are subject to negotiations with the regulators.

This PBS supports activities to continue environmental cleanup, further stabilize the gaseous diffusion plant to achieve a safe configuration, including facility modifications, surveillance and maintenance activities, and actions to remove hazardous materials. The scope of this PBS also includes direct maintenance and repair that are applicable to these areas.

Completion of these activities is required for reducing the site footprint and completing cleanup of the site.

Nuclear Facility D&D-Paducah (PBS: PA-0040)

Activities and Explanation of Changes

cted025 Enacted	FY 2026 Request	Explanation of Changes - FY 2026 Request vs FY 2025 Enacted
\$247,552,000	\$240,589,000	-\$6,963,000
- Continue utility operations, pump-and-treat operations, waste and landfill operations, infrastructure support, environmental monitoring and reporting, surveillance, and maintenance of facilities. - Issue D1 Remedial Investigation Report for the C-400 Complex Operable Unit. - Complete demolition of 13 small structures. - A study to assess how the Department's cleanup efforts complement the community's long-term plans for	- Continue utility operations, pump-and-treat operations, waste and landfill operations, infrastructure support, environmental monitoring and reporting, surveillance, and maintenance of facilities. - Complete a study to assess how the Department's cleanup efforts complement the community's long-term plans for reindustrialization and workforce development.	Decrease due to the completion of a one-time Seismic study conducted by the University of Kentucky Research Foundation, and contract transtions that will be completed in FY 2025.

**Environmental Management/
Paducah**

FY 2026 Congressional Justification

-
- | | |
|--|--|
| <p>reindustrialization and workforce development.</p> <ul style="list-style-type: none">• Initiate strategic clean-up discussions with regulators to apply a holistic approach similar to that implemented at the Portsmouth Site.• Initiate Material Sizing Area operation for converter segmentation and bundle compaction.• Initiate environmental baseline survey in support of first property transfer request for future reindustrialization opportunities.• Initiate work activities (e.g., seismic, sampling, etc.) to support site selection for On-Site Waste Disposal Alternative, if selected, to provide cell capacity for demolition of Gaseous Diffusion Plant facilities. | <ul style="list-style-type: none">• Continue Comprehensive Cleanup Strategy including activities that support an On-Site Waste Disposal Alternative, if selected, to provide cell capacity for demolition of Gaseous Diffusion Plant facilities.• Continue limited deactivation of the second Process Building (C-337) .• Continue Northwest Plume Pump and Treat project to support optimization and additional extraction well(s) at the C-400 in support of TCE groundwater remediation.• Initiate planning for a Cleanup Support Facility (to replace C-100) in support of long-term cleanup mission.• Continue property transfer activities in support of community reuse and site repurposing efforts. |
|--|--|

Paducah Contract/Post-Closure Liabilities/Administration (PBS: PA-0102)

Overview

This PBS is within the Uranium Enrichment Decontamination and Decommissioning Fund appropriation.

This PBS supports a contract liability to provide record searches performed for DOE and the Department of Justice investigations/studies, pending litigation expenses, severance and the administration of post retirement life and medical support.

Paducah Community and Regulatory Support (PBS: PA-0102)

Activities and Explanation of Changes

FY 2025 Enacted	FY 2026 Request	Explanation of Changes - FY 2026 Request vs FY 2025 Enacted
\$0	\$30,000	+\$30,000
- Utilization or prior year carryover supports DOE and Department of Justice for all investigations and litigation. - Utilization of prior year carryover supports payment into the Paducah pension program to remain in compliance with the Employee Retirement Income Security Act and other applicable laws, and DOE O 350.1 requirements.	- Provide support to DOE and Department of Justice for all investigations and litigation. - Provide payment into the Paducah pension program to remain in compliance with the Employee Retirement Income Security Act and other applicable laws, and DOE O 350.1 requirements.	Increase supports continuity of post-retirement benefits program.

OPaducah Community and Regulatory Support (PBS: PA-0103)

Overview

This PBS is within the Uranium Enrichment Decontamination and Decommissioning Fund appropriation.

This PBS scope supports an Agreement-in-Principle grant to the Commonwealth of Kentucky to provide independent oversight of the environmental programs, including surface water, groundwater, air and other environmental monitoring; and a Federal Facility Agreement grant with the Commonwealth of Kentucky to assure Federal Facility Agreement conditions and compliance schedules are met in accordance with state, federal, and local guidance, regulations and statutes. This PBS also includes support to the Paducah Citizens Advisory Board for assistance in all public participation activities and a grant with Kentucky to support the groundwater program.

Paducah Community and Regulatory Support (PBS: PA-0103)

Activities and Explanation of Changes

FY 2025 Enacted	FY 2026 Request	Explanation of Changes - FY 2026 Request vs FY 2025 Enacted
\$2,838,000	\$2,865,000	+\$27,000
- Continue support to the Citizens Advisory Board to assist in the public participation activities required by the Comprehensive Environmental Response, Compensation, and Liability Act. - Continue to ensure requirements are met regarding the Federal Facility Agreement and Agreement-In-Principle grants. - Continue support to the Kentucky Research Consortium for Energy and Environment for groundwater modeling program.	- Continue support to the Citizens Advisory Board to assist in the public participation activities required by the Comprehensive Environmental Response, Compensation, and Liability Act. - Continue to ensure requirements are met regarding the Federal Facility Agreement and Agreement-In-Principle grants. - Continue support to the Kentucky Research Consortium for Energy and Environment for groundwater modeling program.	No significant change.

Paducah
Minor Construction (MC) Notification & Reporting (Use of Authority)
(\$K)

					✓	✓			Original			Current		
Icons 8	Icons 8 1		Icon S 8 X 1											
Appr	Program	Site	Projec t Title	Project Description			Original TEC	Previous TEC	Current TEC	Design Complete	Constr. Complete	Project Start	Design Complete	Constr. Complete
			1				0%		FY 2024	FY 2024	FY 2025	FY 2027	FY 2027	FY 2028
U	Paducah	PAD	Fire Depa rtme nt / Emer genc y Servi ces Buildi ng	installation of the new Emergency Services/Fire Department Facility in FY28 to replace a 1950's vintage facility.			8,414	8,414	14,013	TBD		0	0	0
			8			✓	0%		FY 2025	FY 2025	FY 2027	FY 2025	FY 2025	FY 2027
U	Paducah	PAD	Nort hwes t Plum e Interi m Rem edial Actio n Opti mizat ion	Regulatory Northwest (NW) Plume Interim Remedial Action Optimization project in FY26. Specifically helps to maintain C- 400 momentum by upgrading the NW Plume Pump & Treat to enhance capture of the NW Plume Centroid.			10,000	10,000	18,767	TBD	0	0	1,431	1,385
			8 1			✓	0%		FY 2026	FY 2026	FY 2028	FY 2026	FY 2026	FY 2028

					✓	✓	Original				Current			
Icons 8	Icons 8 1		Icon S 8 1											
Appr	Program	Site	Project Title	Project Description			Original TEC	Previous TEC	Current TEC	Design Complete	Constr. Complete	Project Start	Design Complete	Constr. Complete
U	Paducah	PAD	Utility Optimization / Reconfiguration	Reconfiguration of site utilities in FY29 to align with the long-term cleanup mission at the site and reduce base operational power costs.			20,000	20,000	20,704	TBD	0	0	0	0
U	Paducah	PAD	Public Water System Upgrades	Sanitary Water System Upgrades that are needed for potable water at the site.			N/A	N/A	8,484	TBD	0	0	0	422
U	Paducah	PAD	Cleanup Support Facility	Cleanup Support Building that is required to replace the C-100 program support facility			N/A	N/A	29,941	TBD	0	0	0	50
U	Paducah	PAD	MC (TEC >\$5M)	SUBTOTAL >\$5M - UED&D			38,414	8,414	83,433	N/A	0	0	1,431	473

Portsmouth

Overview

The Portsmouth Site, occupying approximately 3,474 acres in Portsmouth, Ohio, is one of the three gaseous diffusion plants that enriched uranium for nuclear weapons. In the 1960s, Portsmouth's mission changed to focus on producing fuel for commercial nuclear power plants and other national security applications until the extensive environmental cleanup program began. The Portsmouth Site cleanup will position the Department of Energy to meet the nation's Cold War legacy responsibilities, including environmental cleanup, waste management, depleted uranium hexafluoride conversion, deactivation and demolition, and long-term stewardship.

To complete cleanup, Portsmouth will maintain a safe, secure, and compliant posture; perform deactivation and demolition of the gaseous diffusion plant; dispose of all low-level radioactive waste and mixed low-level radioactive waste resulting from deactivation and demolition activities; dispose of all excess materials; and perform excavation of groundwater trichloroethylene plumes and landfills to provide fill for the placement of demolition debris in the On-Site Waste Disposal Facility.

Portsmouth will continue to operate the Depleted Uranium Hexafluoride Conversion Facility.

Direct maintenance and repair at Portsmouth are estimated to be \$41,191,000.

Portsmouth plans to purchase one medium sized bucket truck in FY 2026.

Highlights of the FY 2026 Budget Request

The FY 2026 Budget Request continues progress on the deactivation and decommissioning of the former Portsmouth Gaseous Diffusion Plant. This budget request also supports the safe operation of the Depleted Uranium Hexafluoride Conversion Facility, continued cylinder shipping infrastructure upgrades, and continued shipments of oxide, heel and empty cylinders to a licensed disposal facility.

The FY 2026 Budget Request includes \$14,000,000 in funding (\$3,624,000 for design, \$6,676,000 for construction, and \$3,700,000 for other project cost) for the On-Site Waste Disposal Facility, Line-Item Capital Project CAP 2 (20-U-401), which is being constructed to receive the debris from the demolition of the X-333 Process Building.

The FY 2026 Budget Request includes \$20,000,000 in funding (\$2,796,000 for design, \$13,424,000 for construction, and \$3,780,000 for other project cost) for the On-Site Waste Disposal Facility, Line-Item CAP 3 (25-U-401), which is being constructed to receive the debris from the demolition of the X-330 Process Building and the Balance of Plant Facilities.

FY 2025 - FY 2026 Key Milestones/Outlook

- (December 2024) Completed Deactivation of the Second Process Building (X-333).
- (December 2024) Completed On-Site Waste Disposal Facility Cell 2 Liner Construction for On-Site Waste Disposal Facility CAP 2 (20-U-401).
- (February 2025) Completed Phase 5 of the Five Unit Impacted Soil Excavation to Provide Engineered Fill for Debris Placement in the On-Site Waste Disposal Facility.
- (April 2025) Initiated Demolition of the Second Process Building (X-333).
- (May 2025) Initiated Construction of Cells 3 and 6 liners of the On-Site Waste Disposal Facility CAP 2 (20-U-401).
- (May 2025) Completed X-330 Process Building Roof Repair to Prevent Water Intrusion During Deactivation.
- (August 2025) Complete Removal of Exterior Obstructions; Construction of the Water Detention Berm; Installation of Security Fence; Installation of Support Facilities; Seal Basement and Tunnels; and Application of Fixative to Exterior Transite Panels to Prepare X-333 Process Building for Demolition.
- (September 2025) Continue Deactivation of the Third Process Building (X-330).
- (September 2025) Continue the New X-555 Electrical Substation and Upgrade of the X-5001 Substation to Support Site-Wide Electrical Configuration.

- (September 2025) Continue Installation of a Cylinder Evacuation Improvement Project to Yield a 10-15% Improvement in Plant Processing Efficiency.
- (September 2025) Continue Preliminary Oxide Shipments and Infrastructure.
- (November 2025) Complete installation of Haul and Load-Out Road to Prepare X-333 Process Building for Demolition.
- (January 2026) Complete Phases 6 of the Five Unit Impacted Soil Excavation to Provide Engineered Fill for Debris Placement in the On-Site Waste Disposal Facility.
- (April 2026) Initiate On-Site Waste Disposal Facility CAP 3 Project (25-U-401) for "Liner Buildout and Final Cover System."
- (June 2026) Complete Construction of the Interim Leachate Treatment System (ILTS) Phase 2 as Part of the On-Site Waste Disposal Facility CAP 2 (20-U-401).
- (August 2026) Complete Construction of Cell 3 & 6 Liner and Interim Leachate System (Phase 2), for the On-Site Waste Disposal Facility CAP 2 Project (20-U-401).
- (September 2026) Continue Demolition of the Second Process Building (X-333).
- (September 2026) Continue Deactivation of the Third Process Building (X-330).
- (September 2026) Complete Deactivation and Initiate Pre-demolition of the X-710 Technical Services Building.
- (September 2026) Continue the New X-555 Electrical Substation and Upgrade of the X-5001 Substation.
- (September 2026) Continue Five Unit Plume for Placement in the On-Site Waste Disposal Facility as Engineered Fill.

Regulatory Framework

Oversight of cleanup activities at the Portsmouth Site is the responsibility of the Ohio Environmental Protection Agency. The ongoing environmental media cleanup activities are being conducted in accordance with the State of Ohio Consent Decree, under the Resource Conservation and Recovery Act, which requires investigation and remediation of solid and hazardous waste management units. A Decision Document under the Consent Decree for final soil and groundwater cleanup was issued on July 27, 2023 by Ohio Environmental Protection Agency.

DOE and the Ohio Environmental Protection Agency reached an agreement on the regulatory framework for final decontamination and decommissioning of the facilities and the disposition of project waste under the Ohio Environmental Protection Agency issuance of the Directors Final Findings and Orders for Decontamination and Decommissioning, which uses the framework of the Comprehensive Environmental Response, Compensation, and Liability Act requirements. The On-Site Waste Disposal Record of Decision was issued in June 2015, and the Process Building Record of Decision was issued in July 2015. The conditional Operating Disposal Authorization Statement required under DOE Order 435.1, Radioactive Waste Management was signed on December 17, 2019, and was required prior to first waste placement.

DOE and the Ohio Environmental Protection Agency have an agreement for the management of the storage of the depleted uranium hexafluoride cylinders.

Contractual Framework

Current contracts at Portsmouth include:

- Mid-America Conversion Services, LLC, is a cost-plus-award-fee/fixed-price contract for operation of the Portsmouth and Paducah depleted uranium hexafluoride facilities and cylinder surveillance and maintenance, covering the period from September 30, 2016 – September 30, 2023. An extension was awarded, extending the period from October 1, 2023, to September 30, 2024. An additional extension was awarded through September 30, 2025, to accommodate additional time required by DOE to award the follow-on contract.
- Mission Conversion Services Alliance, LLC is a cost-plus-award fee and Indefinite Delivery/Indefinite Quantity contract for operations and site mission support at the Paducah and Portsmouth facilities covering October 1, 2025 – September 30, 2030 with two options that could extend through September 30, 2035. Services performed include Depleted Uranium Hexafluoride conversion, uranium hexafluoride cylinder transfers, and mission support. Notice to Proceed has been issued to begin on June 2, 2025 for a 120 day

transition period that will expire on September 30, 2025. It is anticipated that full contract performance will begin on October 1, 2025.

- Fluor-BWXT Portsmouth LLC, is a cost-plus-award-fee, cost-plus-fixed-fee, and Indefinite Delivery/Indefinite Quantity contract for decontamination and decommissioning of uranium gaseous diffusion buildings, and legacy soil and groundwater remediation, covering March 29, 2016 – September 30, 2025. A Notice to Proceed (NTP) for the follow-on contractor has been issued.
- Southern Ohio Cleanup Company, LLC, is an Indefinite-Delivery/Indefinite-Quantity contract under the End State Contracting Model for decontamination and decommissioning of uranium gaseous diffusion buildings, and soil and groundwater remediation. This IDIQ will have a maximum value of up to \$5.87 billion over the 10-year ordering period. The Portsmouth D&D End State contract was awarded on July 13, 2023. A Notice to Proceed (NTP) has been issued and the 120-day Transition Period will occur June 2, 2025 through September 30, 2025.
- North Wind Dynamics, LLC, is a firm-fixed-price hybrid including fixed-price, cost-reimbursable, Indefinite Delivery/Indefinite Quantity contract for infrastructure support services, covering the period of February 18, 2022 – December 18, 2026, includes one executed 24-month option period.

Strategic Management

The key environmental cleanup strategies for the Portsmouth site are to continue process building deactivation, including equipment removal actions and hazardous material abatement; continue process building demolition; continue construction activities associated with an On-Site Waste Disposal Facility for disposition of waste and debris from the deactivation and demolition of the process buildings and Balance of Plant; complete the soil and groundwater remediation of the deferred units under the Ohio Consent Decree; continue operations of groundwater treatment facilities in support of installed remedies; remove stored low-level radioactive waste and mixed low-level radioactive waste streams contaminated with hazardous or toxic chemicals; and operate the Depleted Uranium Hexafluoride Conversion Facility.

Future deactivation and demolition costs will be dependent upon the timing and extent of final environmental contamination, regulatory frameworks, and disposal/recycling options for the deactivation and demolition materials and wastes. The regulatory documents that could have significant impacts on individual projects and may affect the overall costs and schedule are outlined below:

- DOE will develop Remedial Design/Remedial Action Work Plans as part of the decision-making process, in coordination with the Ohio Environmental Protection Agency, that will describe in detail the actions required to perform the demolition and waste disposition activities.
- On July 27, 2023, Ohio Environmental Protection Agency issued the Decision Document for the final soil and groundwater cleanup under the consent decree. Following the Decision Document issuance, DOE submitted the Deferred Units Corrective Measures Implementation Strategy and Plan on October 23, 2023 and Ohio Environmental Protection Agency approved the Strategy and Plan on November 21, 2023. The Deferred Units Corrective Measures Implementation Strategy and Plan describes how DOE will implement the selected corrective measures for the Deferred Units.
- DOE will continue to develop landfill and plume excavation work plans in accordance with the agreement reached with the Ohio Environmental Protection Agency.
- DOE will continue to support National Nuclear Security Administration funded activities.

Portsmouth Project Office

Funding (\$K)

	FY 2024 Enacted	FY 2025 Enacted	FY 2026 Request	FY 2026 Request vs FY 2025 Enacted \$	FY 2026 Request vs FY 2025 Enacted (%)
Defense Environmental Cleanup					
Safeguards and Security					
PO-0020 / Safeguards and Security	17,364	17,763	19,231	+1,468	+8%
Non-Defense Environmental Cleanup					
Gaseous Diffusion Plants					
Portsmouth Gaseous Diffusion Plants					
PO-0011X / NM Stabilization and Disposition-Depleted Uranium Hexafluoride Conversion	65,877	71,683	72,110	+427	+1%
Uranium Enrichment Decontamination and Decommissioning Fund					
Portsmouth					
PO-0040 / Nuclear Facility D&D- Portsmouth					
Operating	418,258	418,258	453,106	+35,847	+9%
Construction					
20-U-401: On Site Waste Disposal Facility (Cell Line 2&3)	74,552	82,000	14,000	-68,000	-83%
25-U-401: On Site Waste Disposal Facility Liner Buildout and Final Cover System	0	0	20,000	+20,000	0%
	492,810	500,258	487,106	-13,152	-3%
Pension and Community and Regulatory Support					
PO-0103 / Portsmouth Contract/Post- Closure Liabilities/Administration	125	125	125	+0	0%
PO-0104 / Portsmouth Community and Regulatory Support	3,435	3,435	3,435	+0	0%
Subtotal, Pension and Community and Regulatory Support	3,560	3,560	3,560	+0	0%

**Environmental Management/
Portsmouth**

FY 2026 Congressional Justification

Total, Uranium Enrichment Decontamination and Decommissioning Fund	496,370	503,818	490,666	-13,152	-3%
Total, Portsmouth	579,611	593,264	582,007	-11,257	-2%

**Portsmouth Project Office
Explanation of Major Changes (\$K)**

	FY 2025 Enacted	FY 2026 Request	FY 2026 Request vs FY 2025 Enacted
Defense Environmental Cleanup			
Safeguards and Security			
PO-0020 / Safeguards and Security			
• Increase supports cyber and other safeguards and security requirements.	17,763	19,231	+1,468
Non-Defense Environmental Cleanup			
Gaseous Diffusion Plants			
Portsmouth Gaseous Diffusion Plants			
PO-0011X / NM Stabilization and Disposition-Depleted Uranium Hexafluoride Conversion			
• No significant change.	71,683	72,110	+427
Uranium Enrichment Decontamination and Decommissioning Fund			
Pension and Community and Regulatory Support			
PO-0103 / Portsmouth Contract/Post-Closure Liabilities/Administration			
• No change.	125	125	+0
PO-0104 / Portsmouth Community and Regulatory Support			
• No change.	3,435	3,435	+0
Portsmouth			
PO-0040 / Nuclear Facility D&D-Portsmouth			
• Decrease due to the completion of On-Site Waste Disposal Facility CAP 2 (20-U-401) fieldwork partially offset by other increases including electrical distribution reconfiguration cost and initiation of construction of On-Site Waste Disposal Facility CAP 3.	500,258	487,106	-13,152
Total, Portsmouth	593,264	582,007	-11,257

Safeguards and Security (PBS: PO-0020)

Overview

This PBS can be found within the Defense Environmental Cleanup appropriation.

The safeguards and security program at the Portsmouth Gaseous Diffusion Plant provides security services to protect nuclear materials, sensitive uranium enrichment technology, equipment, and facilities. This program includes maintaining a security guard force to protect nuclear materials and classified technology/information. The safeguards and security program also supports the Portsmouth decommissioning and decontamination program. Within the safeguards and security program, the Department continues to pursue realignment of sensitive security areas to support accelerated and less costly cleanup of the site.

Safeguards and Security (PBS: PO-0020)

Activities and Explanation of Changes

FY 2025 Enacted	FY 2026 Request	Explanation of Changes - FY 2026 Request vs FY 2025 Enacted
\$17,763,000	\$19,231,000	+\$1,468,000
- Continue compliance with Homeland Security Presidential Directive 12 requirements. - Maintain the appropriate level of safeguards and security using a graded approach for the Portsmouth Gaseous Diffusion Plant. - Provide Physical Protection, Protective Forces, Physical Security Systems, Information Security, Operations Security, Personnel Security, Material Control and Accountability, Program Management, and Cyber Security. - Support the development of risk assessment reduction of security footprint at the site.	- Continue compliance with Homeland Security Presidential Directive 12 requirements. - Maintain the appropriate level of safeguards and security using a graded approach for the Portsmouth Gaseous Diffusion Plant. - Provide Physical Protection, Protective Forces, Physical Security Systems, Information Security, Operations Security, Personnel Security, Material Control and Accountability, Program Management, and Cyber Security.	Increase supports cyber and other safeguards and security requirements.

NM Stabilization and Disposition-Depleted Uranium Hexafluoride Conversion (PBS: PO-0011X)

Overview

This PBS is within the Non-Defense Environmental Cleanup appropriation.

This PBS scope includes operating a depleted uranium hexafluoride conversion facility at the Portsmouth Gaseous Diffusion Plant site. The facility converts depleted uranium hexafluoride into a more stable chemical form (depleted uranium oxide) suitable for beneficial reuse or disposition. The depleted uranium oxide and cylinders will initially be stored on-site and ultimately sent to a disposal facility if beneficial reuses are not realized. The hydrogen fluoride co-product is sold on the commercial market for unrestricted use. The proceeds from the sale of hydrogen fluoride are used to offset project-operating costs. The scope of this PBS also includes direct maintenance and repair that are applicable to these areas.

This PBS also includes surveillance and maintenance of all depleted uranium hexafluoride cylinders during conversion of the existing stockpile. Completion of these activities will contribute to reducing the footprint and total cleanup of the site.

NM Stabilization and Disposition-Depleted Uranium Hexafluoride Conversion (PBS: PO-0011X)

Activities and Explanation of Changes

FY 2025 Enacted	FY 2026 Request	Explanation of Changes - FY 2026 Request vs FY 2025 Enacted
\$71,683,000	\$72,110,000	+\$427,000
- Conduct operations of DUF6 conversion facility. - Package converted depleted uranium oxide and store on site. - Conduct cylinder surveillance and maintenance to keep material in a safe, stable condition. - Conduct annual plant maintenance outages. - Continue plant safety and reliability modifications - Continue cylinder evacuation project that will yield a 10-15% improvement in plant processing efficiency.	- Conduct operations of DUF6 conversion facility. - Package converted depleted uranium oxide and store on site. - Conduct cylinder surveillance and maintenance to keep material in a safe, stable condition. - Conduct annual plant maintenance outages. - Continue limited plant safety and reliability modifications. - Continue limited progress on cylinder evacuation project that will yield a 10-	No significant change.

**Environmental Management/
Portsmouth**

FY 2026 Congressional Justification

- Continue infrastructure activities that will support the capability to ramp-up oxide and heel/empty cylinder shipments to a licensed commercial disposal facility.
- Continue preliminary shipments of oxide cylinders to a licensed disposal facility.

15% improvement in plant processing efficiency.

Nuclear Facility D&D-Portsmouth (PBS: PO-0040)

Overview

This PBS is within the Uranium Enrichment Decontamination and Decommissioning Fund appropriation.

This PBS scope includes remedial actions due to contamination resulting from the plant's historical uranium enrichment operations, facility decontamination and decommissioning, and surveillance and maintenance activities at the Portsmouth Gaseous Diffusion Plant.

This PBS also includes the design and construction of a capital project, the On-Site Waste Disposal Facility, for disposition of the debris generated from the site-wide cleanup, including debris generated from the decontamination, decommissioning, and demolition of the Gaseous Diffusion Plant.

The FY 2026 Budget Request of \$487,106,000 supports removal of high-risk radioactively contaminated equipment and hazardous materials from the uranium processing buildings. This includes \$14,000,000 (\$3,624,000 for design, \$6,676,000 for construction, and \$3,700,000 for other project cost) for Portsmouth On-Site Waste Disposal Facility CAP 2 (20-U-401), which is being constructed to receive debris from the X-333 Process Building. Additionally, the FY 2026 Budget Request also includes \$20,000,000 (\$2,796,000 for design, \$13,424,000 for construction, and \$3,780,000 for other project cost) for the On-Site Waste Disposal Facility CAP 3 (25-U-401) project, which will receive debris from the demolition of the X-330 Process Building and the Balance of Plant Facilities. The mission of these projects is to construct an On-Site Waste Disposal Facility for debris generated from the deactivation and decommissioning of the Portsmouth Gaseous Diffusion Plant and associated facilities and install the final covers for all the cells.

Nuclear Facility D&D-Portsmouth (PBS: PO-0040)

Activities and Explanation of Changes

FY 2025 Enacted	FY 2026 Request	Explanation of Changes - FY 2026 Request vs FY 2025 Enacted
\$500,258,000	\$487,106,000	-\$13,152,000
- Continue operations such as utility operations, pump-and-treat operations, waste operations, infrastructure support, environmental monitoring and reporting, surveillance, and maintenance of facilities. - Continue On-Site Waste Disposal Facility waste placement operations. (Includes Five unit soils and debris, X-626 Recirculating Cooling Water at and below	- Continue operations such as utility operations, pump-and-treat operations, waste operations, infrastructure support, environmental monitoring and reporting, surveillance, and maintenance of facilities. - Continue reduced On-Site Waste Disposal Facility waste placement operations (Includes Five Unit soil, X-	Decrease due to the completion of On-Site Waste Disposal Facility CAP 2 (20-U-401) fieldwork partially offset by other increases including electrical distribution reconfiguration cost and initiation of construction of On-Site Waste Disposal Facility CAP 3.

**Environmental Management/
Portsmouth**

FY 2026 Congressional Justification

-
- grade demolition debris, X-333 deactivation & pre-demolition debris)
 - Complete deactivation of the X-333 Process Building by completing initial characterization of uranium hold up.
 - Complete construction of Large Component Assay System facility to support the relocation of the equipment for characterization of large components from X-333 Process Building demolition.
 - Continue Five Unit plume excavation for placement in the On-Site Waste Disposal Facility as engineered fill.
 - Complete soil placement of X-231A former oil biodegradation plot in the On-Site Waste Disposal Facility as engineered fill.
 - On-Site Waste Disposal Facility Construction CAP 2 (20-U-401): Complete South Leachate Transmission System Force Main installation.
 - On-Site Waste Disposal Facility Construction CAP 2 (20-U-401): Complete installation of second 1-million gallon leachate storage tank at the Interim Leachate Treatment System.
 - On-Site Waste Disposal Facility Construction CAP 2 (20-U-401): Complete Cell 2 Liner construction.
 - On-Site Waste Disposal Facility Construction CAP 2 (20-U-401): Initiated installation of mechanical, electrical, and piping for Valve House 2 and the South Leachate Treatment System Lift Station.
 - Complete off site waste disposition of the X-626 cooling towers and pump house above grade structure.

- 333 Process Building demolition debris and X-330 Process Building deactivation debris).
- Continue reduced demolition of the X-333 Process Building and debris placement in the On-Site Waste Disposal Facility.
- Continue reduced deactivation of the X-330 Process Building.
- Continue X-330 Process Building Demolition Design Plan.
- Complete deactivation and initiate pre-demolition of X-710 located on the Five Unit Plume.
- Continue the new X-555 Electrical Substation and Upgrade of the X-5001 Substation to support Site-Wide Electrical Configuration.
- On-Site Waste Disposal Facility Construction CAP 2 (20-U-401): Complete construction of Cell 3 & 6 Liners for placement of X-333 Process Building demolition debris.
- On-Site Waste Disposal Facility Construction CAP 2 (20-U-401): Complete construction of the Interim Leachate Treatment System Phase 2.
- On-Site Waste Disposal Facility Construction CAP 2 (20-U-401): Complete construction of the Impacted Material Transfer Area and prepare for operations.
- On-Site Waste Disposal Facility Construction CAP 2 (20-U-401): Complete installation of second Interim Leachate Treatment System leachate treatment train (B-Train).

-
- Continue reconfiguration/modifications of uranium and utility areas to support future contracts.
 - On-Site Waste Disposal Facility Construction CAP 3 (25-U-401): Initiate design and construction of the third On-Site Waste Disposal Facility project.
 - Continue Five Unit plume excavation for placement in the On-Site Waste Disposal Facility as engineered fill.
 - Complete design for the X-749 landfill excavation.

Portsmouth Contract/Post-Closure Liabilities/Administration (PBS: PO-0103)

Overview

This PBS is within the Uranium Enrichment Decontamination and Decommissioning Fund appropriation.

This PBS supports pending litigation expenses, severance and the administration of post retirement life and medical benefits.

Portsmouth Contract/Post-Closure Liabilities/Administration (PBS: PO-0103)

FY 2025 Enacted	FY 2026 Request	Explanation of Changes FY 2026 Request vs FY 2025 Enacted
\$125,000	\$125,000	+\$0
• Continue to provide defense against legal claims filed against the Government and its contractors. • Continue record searches in support of legal claims, Freedom of Information Act requests, and requests from both state and Federal regulatory and elected officials. • Continue to provide payment into the Portsmouth pension program to remain in compliance with the Employee Retirement Income Security Act, DOE 350.1 and other applicable laws.	• Continue to provide defense against legal claims filed against the Government and its contractors. • Continue to record searches in support of legal claims, Freedom of Information Act requests, and requests from both state and Federal regulatory and elected officials. • Continue to provide payment into the Portsmouth pension program to remain in compliance with the Employee Retirement Income Security Act, DOE 350.1 and other applicable laws.	• No change.

Portsmouth Community and Regulatory Support (PBS: PO-0104)

Overview

This PBS is within the Uranium Enrichment Decontamination and Decommissioning Fund appropriation.

This PBS supports activities to promote active involvement with the state and local stakeholders in the Environmental Management planning and decision-making processes and provides the opportunity for meaningful involvement in managing the cleanup and closure of the site.

Portsmouth Community and Regulatory Support (PBS: PO-0104)

Activities and Explanation of Changes

FY 2025 Enacted	FY 2026 Request	Explanation of Changes - FY 2026 Request vs FY 2025 Enacted
\$3,435,000	\$3,435,000	+\$0
- Support oversight activities of the Ohio Environmental Protection Agency, including air monitoring by Ohio Environmental Protection Agency and Ohio Department of Health. - Support the designated Site Specific Advisory Board. - Supported the Payment-in-Lieu of Taxes to Pike County. - Support technical/scientific activities for the Ohio University. - Support community outreach grants for the local area.	- Support oversight activities of the Ohio Environmental Protection Agency, including air monitoring by Ohio Environmental Protection Agency and Ohio Department of Health. - Support the designated Site Specific Advisory Board. - Support the Payment-in-Lieu of Taxes to Pike County. - Support technical/scientific activities for the Ohio University. - Support community outreach grants for the local area.	No change.

Portsmouth
Minor Construction (MC) Notification and Reporting (Use of Authority)
(\$K)

Icons ⌚	Icons ⌚⌚	Icons ⌚⌚⌚	Site	Project Title	Project Description	✓	✓	Percent Complete	Previous TEC	Original			Current		
						New Notif.	Auth. - Con. Design			Project Start	Design Complete	Constr. Complete	Project Start	Design Complete	Constr. Complete
Appr	Program							Original TEC		Current TEC	Current Constr. Design	Prior Years	FY 2024 Request	FY 2025 Request	FY 2026 Request
								26%		FY 2019	TBD	FY 2024	FY 2020		FY 2028
U	Portsmouth Gaseous Diffusion Plant	P O R T S		Electrical Supply and Distribution Gaseous Diffusion Plant	Right sizing the X-555 electrical distribution for the closure of the site by constructing a new substation.			13,440	24,384	20,713	0	5,285	682	7,039	5,562
								0%		FY 2025	NA	FY 2025	FY2031	NA	FY 2031
U	Portsmouth Gaseous Diffusion Plant	P O R T S		Sanitary Water Treatment Facility Equipment Upgrade	Reconfigure X-611 in order to eliminate lime usage.			7,600	7,600	7,600	TBD	0	0	0	0
						✓		0%		FY 2027	NA	FY 2027	FY 2027	NA	FY 2027
U	Portsmouth Gaseous Diffusion Plant	P O R T S		MC (TEC >\$5M)	SUBTOTAL >\$5M - UED&D			26,040	36,984	33,313	TBD	5,285	682	7,039	5,562
U	Portsmouth Gaseous Diffusion Plant	P O R T S		MC (TEC <\$5M)	SUBTOTAL			0	0	0	0	-	-	655	655
U	Portsmouth Gaseous Diffusion Plant	P O R T S		MC UED&D Total	SUBTOTAL UED&D			26,040	36,984	33,313	TBD	5,285	682	7,694	6,217

Construction Projects Summary (\$K)

Total	Prior Years	FY 2024 Enacted	FY 2024 Actuals	FY 2025 Request	FY 2026 Request	FY 2026 Request vs FY 2025 Enacted
-------	-------------	-----------------	-----------------	-----------------	-----------------	------------------------------------

20-U-401, On Site Waste Disposal Facility – Remaining Infrastructure and Cell 2, 3, and 6 Liner Construction

Total Estimate Cost (TEC)	341,212	138,833	69,650	64,930	76,200	10,300	-65,900
Other Project Costs (OPC)	31,788	9,722	4,902	4,658	5,800	3,700	-2,100
Total Project Cost (TPC) 20-U-401	373,000	148,555	74,552	69,588	82,000	14,000	-68,000

25-U-401, On Site Waste Disposal Facility – Liner Buildout and Final Cover System (PO-0040)

Total Estimate Cost (TEC)	TBD	0	0	0	0	16,220	+16,220
Other Project Costs (OPC)	TBD	0	0	0	0	3,780	+3,780
Total Project Cost (TPC) 25-U-401	TBD	0	0	0	0	20,000	+20,000

Note: Consistent with the FY 2025 project data sheet for 20-U-401, the FY 2023 Enacted of \$56,820,000 includes an Internal Reprogramming of \$780,000 (15-U-408 to 20-U-401) executed in FY 2023. Also, the 25-U-401 values will be finalized upon baseline approval at CD-2.

**20-U-401 On-Site Waste Disposal Facility – Remaining Infrastructure and Cell 2, 3 and 6 Liner Construction
Portsmouth Gaseous Diffusion Plant, Piketon, Ohio
Project is for Design and Construction**

1. Summary, Significant Changes, and Schedule and Cost History

Summary

The FY 2026 Request for the On-Site Waste Disposal Facility – Remaining Infrastructure & Cell 2, 3, & 6 Liner Capital Asset Project #2 (CAP 2) Construction Project is \$14,000,000 (\$10,300,000 TEC; \$3,700,000 OPC). The appropriated funding and Congressional control point for this project are at the 20-U-401 (TPC) level. In FY 2026, funding will support completion of construction of Cells 3 and 6 liners, completion of construction of the Interim Leachate Treatment System (ILTS) - Phase 2, re-design and modification of the leachate treatment system A (A-Train), start-up and readiness of the A-Train modifications, and start-up and readiness of the Impacted Material Storage Area (IMTA). Additionally, this funding will allow for continuation of Certified for Construction (CFC) design, procurement, construction activities, and maintenance activities for this project. The requested funding is consistent with the approved Project Execution Plan and the approved Critical Decision (CD)-1/2/3 baseline for the project. CAP 2 is planned to be completed ahead of the CD-2 approved TPC date of September 2027.

The CAP 2 project provides the disposal cell capacity for the demolition of the next Process Building (X-333) in the Portsmouth D&D Project. The X-333 Process Building pre-demolition subprojects are in process; demolition fieldwork began with exterior Transite removal on April 15, 25; and structural demolition is scheduled to start in August 2025.

The CAP 2 Project was approved for Critical Decision (CD)-1/2/3 on February 25, 2020, with a Total Project Cost of \$373,000,000 at a P80 Confidence Level.

This Project Data Sheet has been prepared and reviewed by the Federal Project Director for the Project. The appointed Federal Project Director is certified at Level III.

Significant Changes

This Construction Project Data Sheet is an update to the FY 2025 Congressional Request data sheet and does not include a new start for the budget year.

As of April 2025, the following site activities have been completed: construction of Sedimentation Pond 1B; construction of the Impacted Materials Transfer Area (IMTA) liner system; stockpiling of clay material in the Excess Materials Staging Area (EMSA) for use in Cell 2 liner construction; construction of the East Maintenance Building and construction of the Pre-Engineered Metal Building (PEMB) which will house the Interim Leachate Treatment System (ILTS) Phase 2; construction of a second 1-million gallon leachate storage tank at the ILTS; construction of the South Leachate Transmission System (LTS) gravity line; below-grade structures for Valve Houses 2, 3, 6, 7, and 10; installation of the South Lift Station for the South LTS; installation of the South LTS Force Main; excavation of the Cell 2 footprint backfill to sub-grade in the Cell 2 footprint; construction of the Clay Layer portion of the Cell 2 Liner System; installation of the Secondary Liner (geosynthetic clay and geomembrane) for Cell 2; installation of the Primary Liner (geosynthetic clay and geomembrane) for Cell 2; excavation of the Cells 3 and 6 footprints and backfill to sub-grade.

In addition, the following activities are in process: initiated construction of the Clay Layer component of the Cells 3 and 6 Liner Systems; continued installation of the B treatment train including mechanical, electric, and piping (MEP) components for ILTS-Phase 2.

**Environmental Management/
Portsmouth/20-U-401 On Site
Waste Disposal Facility –
Remaining Infrastructure and Cell 2, 3
and 6 Liner Construction**

FY 2026 Congressional Justification

The following work is projected to be completed by the end of FY 2025: IMTA Wheel Wash installation; South LTS Valve Houses and metal buildings; construction of the Clay Layer component of the Cells 3 and 6 Liner Systems; installation of the Secondary Liners (geosynthetic clay and geomembrane) for Cells 3 and 6.

Critical Milestone History

The table below provides the preliminary schedule for Critical Decisions and major milestones for the Remaining Infrastructure and Cell 2, 3, and 6 Liner Construction project.

(fiscal quarter or date)								
	CD-0*	Conceptual Design Complete	CD-1	CD-2	Final Design Complete***	CD-3	Construction D&D Complete	CD-4 ****
FY 2020	4Q FY2019	04/10/2014**	4Q FY 2019	4Q FY 2019	4Q FY 2020	4Q FY 2019	N/A	TBD
FY 2021	8/15/2016	04/10/2014**	2Q FY 2020	2Q FY 2020	2Q FY 2020	2Q FY 2020	N/A	TBD
FY 2022	8/15/2016	04/10/2014**	02/25/2020	02/25/2020	4Q FY 2020	02/25/2020	N/A	4Q FY 2026
FY 2023	8/15/2016	04/10/2014**	02/25/2020	02/25/2020	4Q FY 2020	02/25/2020	N/A	4Q FY 2026
FY 2024	8/15/2016	04/10/2014**	02/25/2020	02/25/2020	08/10/2020	02/25/2020	N/A	4Q FY 2027
FY 2025	8/15/2016	04/10/2014**	02/25/2020	02/25/2020	08/10/2020	02/25/2020	N/A	4Q FY 2027
FY 2026	8/15/2016	04/10/2014**	02/25/2020	02/25/2020	08/10/2020	02/25/2020	N/A	4Q FY 2027

* The original CD-0 for the On-Site Waste Disposal Facility CAP-2 Project was approved on August 15, 2016.

** Conceptual Design was completed as part of the Site-Wide Waste Disposition Project Remedial Investigation/Feasibility Study development prior to CD-0.

*** 100% Design for the entire On-Site Waste Disposal Facility, including the components included in the On-Site Waste Disposal Facility CAP-2 Project, were completed as part of the On-Site Waste Disposal Facility CAP-1 Project (as shown). Before construction of each component is initiated, final Certified for Construction designs for the On-Site Waste Disposal Facility CAP-2 Project are completed. Certified for Construction design takes into account lessons learned from On-Site Waste Disposal Facility CAP-1.

**** The project is on track to complete CD-4 ahead of schedule and under cost.

CD-0 – Approve Mission Need

Conceptual Design Complete – Actual date the conceptual design was completed (if applicable)

CD-1 – Approve Alternate Selection and Cost Range

CD-2 – Approve Performance Baseline

Final Design Complete – Estimated/Actual date the project design will be/was complete(d)

CD-3 – Approve Start of Construction

D&D Complete – Completion of D&D work (see Section 5)

CD-4 – Approve of Start of Operations or Project Completion

Project Cost History

	TEC, Design	TEC, Construction	TEC, Total	OPC Except D&D	OPC D&D	OPC, Total	TPC
FY 2020	7,900	TBD	TBD	TBD	N/A	TBD	TBD
FY 2021	TBD	TBD	TBD	TBD	N/A	TBD	TBD

**Environmental Management/
Portsmouth/20-U-401 On Site
Waste Disposal Facility –
Remaining Infrastructure and Cell 2, 3
and 6 Liner Construction**

FY 2026 Congressional Justification

FY 2022	43,438	297,774	341,212	31,788	N/A	31,788	373,000
FY 2023	43,438	297,774	341,212	31,788	N/A	31,788	373,000
FY 2024	43,438	297,774	341,212	31,788	N/A	31,788	373,000
FY 2025	43,438	297,774	341,212	31,788	N/A	31,788	373,000
FY 2026	43,438	297,774	341,212	31,788	N/A	31,788	373,000

2. Project Scope and Justification

Scope

The current scope of the On-Site Waste Disposal Facility CAP-2 project consists of construction of the remaining infrastructure for the On-Site Waste Disposal Facility which includes the Interim Leachate Treatment System (ILTS) Phase II, the dedicated haul road, the Impacted Material Transfer Area (IMTA) and other associated miscellaneous support structures. To support and advance the Portsmouth Deactivation and Decommissioning Project mission (i.e., demolition of the next Portsmouth process building [X-333]), it is necessary to include and construct the next three cell liners (i.e., Cells 2, 3 and 6), valve houses and South Leachate Transmission System (i.e., Cells 2, 3 and 6) along with the remaining infrastructure as part of the On-Site Waste Disposal Facility CAP-2 Project. The project developed a combined CD-1/2/3 package which was approved on February 25, 2020.

Justification

The Ohio Environmental Protection Agency and the DOE have entered into a formal agreement regarding the decision-making process for the Portsmouth Deactivation and Decommissioning Project and for the associated waste management. The terms of the agreement are contained in the April 13, 2010, Director's Final Findings and Orders for Removal Action and Remedial Investigation and Feasibility Study and Remedial Design and Remedial Action, including the July 16, 2012, Modification thereto. The Comprehensive Environmental Response, Compensation, and Liability Act process was completed in June 2015, resulting in a Record of Decision selecting a combined on-site and off-site waste disposal approach as the preferred alternative.

This waste disposition response action provides a permanent solution for waste generated by the cleanup of Portsmouth ensuring capacity for waste expected to be generated from the Portsmouth Deactivation and Decommissioning Project that is protective of human health, safety and the environment. Additionally, this action was determined through a feasibility study conducted under the Director's Final Findings and Orders to be the best value to the government in that it provides a cost-effective and implementable solution to the waste disposal needs facing the Portsmouth Deactivation and Decommissioning Project.

The mission need for this project was established by the approval of Mission Need (CD-0) for the On-Site Waste Disposal Facility CAP-1 on August 28, 2015, and the Mission Need (CD-0) for the On-Site Waste Disposal Facility CAP-2 on August 15, 2016. The remaining infrastructure to be constructed within this project is necessary to increase the efficiency and productivity for transportation and waste placement operations for the life cycle of the Portsmouth Deactivation and Decommissioning Project. The advancement of Cell 2, 3, and 6 Liner construction is needed to support the Portsmouth site Deactivation and Decommissioning objectives.

The project is being conducted in accordance with the project management requirements in DOE O 413.3B, *Program and Project Management for the Acquisition of Capital Assets*.

Key Performance Parameters

The Threshold Key Performance Parameters, represent the acceptable performance that the project must achieve. Achievement of the Threshold Key Performance Parameters will be a prerequisite for approval of CD-4, Project Completion. The Objective Key Performance Parameters represent the desired project performance.

**Environmental Management/
Portsmouth/20-U-401 On Site
Waste Disposal Facility –
Remaining Infrastructure and Cell 2, 3
and 6 Liner Construction**

FY 2026 Congressional Justification

Performance Measure	Threshold	Objective
Construct an Interim Leachate Treatment System (ILTS) designed to treat leachate and impacted water from the On-Site Waste Disposal Facility at a max/peak flow rate of 800 gallons per minute (gpm) for discharge to surface waters of the State of Ohio with effluent water quality that meets the standards established by the National Pollutant Discharge Elimination System (NPDES) permit issued by Ohio Environmental Protection Agency.	800 gpm	N/A

3. Project Cost and Schedule

Financial Schedule

(dollars in thousands)			
	Appropriations	Obligations	Costs
[Total Estimated Cost (TEC)]			
Design*			
FY 2020	1,914	1,914	1,914
FY 2021	5,295	5,295	5,295
FY 2022	6,965	6,965	6,965
FY 2023	7,014	7,014	7,014
FY 2023 Internal Reprogramming	0	0	0
FY 2024	6,249	6,249	6,249
FY 2025	6,476	6,476	6,476
FY 2026	3,624	3,624	3,624
FY 2027	5,901	5,901	5,901
Total, Design	43,438	43,438	43,438
Construction*			
FY 2020	7,577	7,577	3,678
FY 2021	10,970	10,970	14,717
FY 2022	54,845	54,845	45,351
FY 2023	43,473	43,473	52,154
FY 2023 Internal Reprogramming	780	780	780
FY 2024	63,401	63,401	58,681
FY 2025	69,724	69,724	67,320
FY 2026	6,676	6,676	12,341
FY 2027	40,328	40,328	42,752
Total, Construction	297,774	297,774	297,774
TEC			
FY 2020	9,491	9,491	5,592
FY 2021	16,265	16,265	20,012
FY 2022	61,810	61,810	52,316
FY 2023	50,487	50,487	59,168

**Environmental Management/
Portsmouth/20-U-401 On Site
Waste Disposal Facility –
Remaining Infrastructure and Cell 2, 3
and 6 Liner Construction**

FY 2026 Congressional Justification

(dollars in thousands)			
	Appropriations	Obligations	Costs
FY 2023 Internal Reprogramming	780	780	780
FY 2024	69,650	69,650	64,930
FY 2025	76,200	76,200	73,796
FY 2026	10,300	10,300	15,965
FY 2027	46,229	46,229	48,653
Total, TEC	341,212	341,212	341,212
[Other Project Cost (OPC)]*			
FY 2020	509	509	25
FY 2021	235	235	714
FY 2022	3,425	3,425	3,261
FY 2023	5,553	5,553	5,458
FY 2023 Internal Reprogramming	0	0	0
FY 2024	4,902	4,902	4,658
FY 2025	5,800	5,800	5,796
FY 2026	3,700	3,700	3,672
FY 2027	7,664	7,664	8,204
Total, OPC	31,788	31,788	31,788
Total Project Cost (TPC)			
FY 2020	10,000	10,000	5,617
FY 2021	16,500	16,500	20,726
FY 2022	65,235	65,235	55,577
FY 2023	56,040	56,040	64,626
FY 2023 Internal Reprogramming	780	780	780
FY 2024	74,552	74,552	69,588
FY 2025	82,000	82,000	79,592
FY 2026	14,000	14,000	19,637
FY 2027	53,893	53,893	56,857
Total, TPC	373,000	373,000	373,000

*TEC and OPC funds are appropriated at the Total Project level

** The project is on track to complete CD-4 ahead of schedule and under cost.

Details of Project Cost Estimate

(dollars in thousands)		
Current Total Estimate	Previous Total Estimate	Original Validated Baseline

Total Estimated Cost (TEC)

Design			
Design	43,438	43,438	43,438
Contingency	0	0	0
Total, Design	43,438	43,438	43,438

**Environmental Management/
Portsmouth/20-U-401 On Site
Waste Disposal Facility –
Remaining Infrastructure and Cell 2, 3
and 6 Liner Construction**

FY 2026 Congressional Justification

(dollars in thousands)

Current Total Estimate	Previous Total Estimate	Original Validated Baseline
------------------------------	-------------------------------	-----------------------------------

Construction

Building & Site Work	281,922	281,922	281,922
D&D	0	0	0
Contingency	15,852	15,852	15,852
Total, Construction	297,774	297,774	297,774

Total, TEC	341,212	341,212	341,212
Contingency, TEC	15,852	15,852	15,852

Other Project Cost (OPC)

OPC except D&D

Conceptual Planning	0	0	0
Cold startup	0	0	0
Other OPC Costs	31,085	31,085	31,085
Contingency	703	703	703
Total, OPC except D&D	31,788	31,788	31,788

D&D (if any)

D&D	0	0	0
Contingency	0	0	0
Total, D&D	0	0	0

Total, OPC	31,788	31,788	31,788
Contingency, OPC	703	703	703

Total, TPC	373,000	373,000	373,000
Total, Contingency	16,555	16,555	16,555

Schedule of Appropriation Requests

(Dollars in Thousands)

Request Year		Prior Years	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	Out-years	Total
FY 2020	TEC	9,400	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD
	OPC	600	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD
	TPC	10,000	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD
FY 2021	TEC	17,800	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD
	OPC	2,200	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD
	TPC	20,000	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD
FY 2022	TEC	86,576	N/A	N/A	N/A	N/A	N/A	N/A	254,636	341,212
	OPC	5,159	N/A	N/A	N/A	N/A	N/A	N/A	26,629	31,788

**Environmental Management/
Portsmouth/20-U-401 On Site
Waste Disposal Facility –
Remaining Infrastructure and Cell 2, 3
and 6 Liner Construction**

FY 2026 Congressional Justification

	TPC	91,735	N/A	N/A	N/A	N/A	N/A	N/A	281,265	373,000
FY 2023	TEC	133,826	N/A	N/A	N/A	N/A	N/A	N/A	207,386	341,212
	OPC	5,949	N/A	N/A	N/A	N/A	N/A	N/A	25,839	31,788
	TPC	139,775	N/A	N/A	N/A	N/A	N/A	N/A	233,225	373,000
FY 2024	TEC	133,826	65,552	93,782	39,591	8,461	N/A	N/A	N/A	341,212
	OPC	5,949	9,000	9,000	6,300	1,539	N/A	N/A	N/A	31,788
	TPC	139,775	74,552	102,782	45,891	10,000	N/A	N/A	N/A	373,000
FY 2023 Internal Reprog.	TEC	134,606	65,552	93,782	39,591	7,681	N/A	N/A	N/A	341,212
	OPC	5,949	9,000	9,000	6,300	1,539	N/A	N/A	N/A	31,788
	TPC	140,555	74,552	102,782	45,891	9,220	N/A	N/A	N/A	373,000
FY 2025	TEC	138,833	67,739	76,000	12,164	46,476	N/A	N/A	N/A	341,212
	OPC	9,722	6,813	6,000	3,387	5,866	N/A	N/A	N/A	31,788
	TPC	148,555	74,552	82,000	15,551	52,342	N/A	N/A	N/A	373,000
FY 2026	TEC	138,833	69,650	76,200	10,300	46,229	N/A	N/A	N/A	341,212
	OPC	9,722	4,902	5,800	3,700	7,664	N/A	N/A	N/A	31,788
	TPC	148,555	74,552	82,000	14,000	53,893	N/A	N/A	N/A	373,000

4. Related Operations and Maintenance Funding Requirements

Start of Operation or Beneficial Occupancy (fiscal quarter or date)	3Q FY 2025 ¹
Expected Useful Life (duration of waste placement operations)	6-9 years
Expected Future Start of D&D of this Capital Asset (fiscal quarter)	N/A

¹ The first waste placement into the first of three cells is expected to occur prior to CD-4.

(dollars in thousands, \$K)

	Annual Costs*		Life Cycle Costs	
	Current Total Estimate**	Previous Total Estimate	Current Total Estimate***	Previous Total Estimate
Operations	39,620	13,000	298,292	65,000
Utilities	548	330	4,130	1,650
Maintenance	2,212	931	16,653	4,655
Total, Operations & Maintenance	42,380	14,261	319,075	71,305

*Post-closure and long-term stewardship activities are not included within this table or anywhere else on this Construction Project Data Sheet.

**Cost updated to include all waste placement operations cost at the OSWDF which would include transportation and the placement of waste/debris into the cell.

**Environmental Management/
Portsmouth/20-U-401 On Site
Waste Disposal Facility –
Remaining Infrastructure and Cell 2, 3
and 6 Liner Construction**

FY 2026 Congressional Justification

***Not all years are at 100% of the annual cost estimate due to concurrent activities performed on 20-U-401 and 25-U-401 in some of the out-years.

5. Required D&D Information

Area	Square Feet
N/A	N/A

This project is providing new capability and is not replacing a current capability; thus, this project was not justified on the basis of replacing current facilities.

The location of this construction project is an environmental management closure site and, therefore, is exempt from the "one-for-one" requirement.

6. Acquisition Approach

The acquisition approach for the project continues to have the Prime Contractor execute the work through a combination of self-performed work and subcontracted work with an emphasis on fixed price through competitive bids and the use of consent packages, consistent with current Portsmouth Deactivation and Decommissioning Prime Contract requirements under FAR 44. Title III design scope is planned to be, in part, subcontracted through a competitively-awarded contract with an independent Architectural and Engineering firm.

25-U-401 On-Site Waste Disposal Facility – OSWDF Liner Buildout and Final Cover System
Portsmouth Gaseous Diffusion Plant, Piketon, Ohio
Project is for Design and Construction

1. Summary, Significant Changes, and Schedule and Cost History

Summary

The FY 2026 Request for the On-Site Waste Disposal Facility (OSWDF) Capital Asset Project 3 (CAP 3) (25-U-401) – Cells 7, 8, 9, 10 Liner Construction and Final Cover Systems Project is \$20,000,000. The appropriated funding and Congressional control point for this project will be at the 25-U-401 (TPC) level. In FY 2026, the funds will be utilized for Certified for Construction (CFC) design, procurement planning, site preparation/overburden removal for OSWDF Cell 7; mechanical, electrical, and piping installation within valve house #7; and installation of groundwater monitoring wells to measure groundwater levels in the area near Cell 7.

On-Site Waste Disposal Facility CAP 1 (15-U-408) provided the disposal capacity for the X-326 building demolition debris. On-Site Waste Disposal Facility CAP 2 (20-U-401) provides the capacity for the next Process Building (X-333) planned to start demolition in FY 2025. The final On-Site Waste Disposal Facility CAP 3 (25-U-401) provides for capacity of the final Process Building (X-330) along with the Balance of Plant facilities. The CAP 3 project will also provide disposal capacity for clean up support facilities.

The CAP 3 project was approved for CD-OR on November 27, 2024. The CD-OR projected Rough Order of Magnitude cost estimate range is \$550,000,000 - \$655,000,000 and the schedule range for construction completion range is FY 2035 – FY 2037.

This Project Data Sheet has been prepared and reviewed by the Federal Project Director for the Project. The appointed Federal Project Director is certified at Level III.

Significant Changes

A revised CD-0 (CD-OR) was approved by DOE-EM on November 27, 2024. CD-OR refined the scope to be included in CAP 3 to include the construction of Cells 7 - 10 as well as the Final Cell Cover Systems for Cells 1 - 6.

A follow-on Congressional Line Item (LI) capital asset projects (CAP), beyond LI/CAP-3, i.e., On-Site Waste Disposal Facility Final Liner Buildout and Cell Cover Construction Project (LI/CAP-4) will be required to conclude OSWDF. The follow-on LI/CAP- 4 will include the final cover system for Cells 7-10 and, if needed, provide additional disposal capacity with the construction of an additional two cells (Cell 11 and Cell 12), currently designated as contingency (optional) cells and their final cover system. The follow-on capital asset project, LI/CAP-4, is planned to be the fourth and final capital asset project for OSWDF.

This Construction Project Data Sheet is a new start in the FY 2026 Congressional Request data sheet.

Critical Milestone History

The table below provides the preliminary schedule for Critical Decisions and major milestones for Liners Buildout and Final Cover System Construction Project.

	CD-0	Conceptual Design Complete*	Final Design Complete**	CD-OR	CD-1/2/3	Construction D&D Complete	CD-4
FY 2025	07/26/2023	04/10/2014	02/12/2019	N/A	4Q FY 2024	N/A	TBD
FY 2026	07/26/2023	04/10/2014	02/12/2019	11/27/24	TBD	N/A	TBD

** Regulatory 60% Conceptual Design was completed as part of the Site-Wide Waste Disposition Project Remedial Investigation/Feasibility Study development prior to CD-0.*

*** 100% Design for the entire OSWDF, including the components included in the OSWDF CAP 3 Project, were completed as part of the OSWDF CAP 1 Project (as shown). Before construction of each component is initiated, final Certified for Construction designs are completed. Certified for Construction designs take into account lessons learned from OSWDF CAP 1 and CAP 2.*

Project Cost History

	TEC, Design	TEC, Construction	TEC, Total	OPC Except D&D	OPC D&D	OPC, Total	TPC
FY 2025	TBD	TBD	TBD	TBD	0	TBD	TBD
FY 2026	TBD	TBD	TBD	TBD	0	TBD	TBD

2. Project Scope and Justification

Scope

On-Site Waste Disposal Facility CAP 1 (15-U-408) provided the disposal capacity for the X-326 building demolition debris. On-Site Waste Disposal Facility CAP 2 (20-U-401) provides the capacity for the next Process Building (X-333) planned to start demolition in FY 2025. The final On-Site Waste Disposal Facility CAP 3 (25-U-401) provides for capacity of the final Process Building (X-330) along with the Balance of Plant facilities. The CAP 3 project will also provide disposal capacity for clean up support facilities. Installation of the Final Cover System for the entire On-Site Waste Disposal Facility is included in CAP 3. Alternative approaches are being evaluated on how the project will be executed due to the duration and the uncertainty of the project.

Justification

The Ohio Environmental Protection Agency and the DOE have entered into a formal agreement regarding the decision-making process for the Portsmouth Deactivation and Decommissioning Project and for the associated waste management. The terms of the agreement are contained in the April 13, 2010, Director's Final Findings and Orders for Removal Action and Remedial Investigation and Feasibility Study and Remedial Design and Remedial Action, including the July 16, 2012, Modification. The Comprehensive Environmental Response, Compensation, and Liability Act process was completed in June 2015, resulting in a Record of Decision selecting a combined on-site and off-site waste disposal approach as the preferred alternative.

This waste disposition response action provides a permanent solution for waste generated by the cleanup of Portsmouth ensuring capacity for waste expected to be generated from the Portsmouth Deactivation and Decommissioning Project that is protective of human health, safety and the environment. Additionally, this action was determined through a feasibility study conducted under the Director's Final Findings and Orders to be the best value to the government in that it provides a cost-effective and implementable solution to the waste disposal needs facing the Portsmouth Deactivation and Decommissioning Project.

The mission need for this project was established by the approval of Mission Need (Critical Decision-0) for the On-Site Waste Disposal Facility CAP 1 on August 28, 2015, the Mission Need (Critical Decision-0) for the On-Site Waste Disposal Facility CAP 2 on August 15, 2016, and the Mission Need (Critical Decision-0) for the On-Site Waste Disposal Facility CAP 3 on July 26, 2023. The advancement of Cells 7, 8, 9, 10 Liner Construction and Final Cell Cover Systems is needed to support the Portsmouth site Deactivation and Decommissioning objectives. The cell concept includes two contingency cells, cells 11 and 12. CD-OR refined the scope to be included in CAP 3 to include the construction of Cells 7 - 10 as well as the Final Cell Cover Systems for Cells 1 - 6.

**Environmental Management/
Portsmouth/25-U-401 On Site
Waste Disposal Facility –
OSWDF Liner Buildout and Final Cover System**

FY 2026 Congressional Justification

The project is being conducted in accordance with the project management requirements in DOE O 413.3B, *Program and Project Management for the Acquisition of Capital Assets*.

Key Performance Parameters

Performance Measure	Threshold
Performance Measures will be established at the approval of CD-1/2/3	TBD

3. Project Cost and Schedule

Financial Schedule

	Appropriations	Obligations	Costs
[Total Estimated Cost (TEC)]			
Design*			
FY 2026	2,796	2,796	3,780
Outyears	TBD	TBD	TBD
Total, Design	TBD	TBD	TBD
Construction			
FY 2026	13,424	13,424	10,000
Outyears	TBD	TBD	TBD
Total, Construction	TBD	TBD	TBD
TEC			
FY 2026	16,220	16,220	13,780
Outyears	TBD	TBD	TBD
Total, TEC	TBD	TBD	TBD
[Other Project Cost (OPC)]			
FY 2026	3,780	3,780	3,780
Outyears	TBD	TBD	TBD
Total, OPC	TBD	TBD	TBD
Total Project Cost (TPC)			
FY 2026	20,000	20,000	16,576
Outyears	TBD	TBD	TBD
Total, TPC	TBD	TBD	TBD

* Regulatory 60% Conceptual Design was completed as part of the Site-Wide Waste Disposition Project Remedial Investigation/Feasibility Study development prior to CD-0.

4. Details of Project Cost Estimate

(dollars in thousands)

Current Total Estimate	Previous Total Estimate	Original Validated Baseline
------------------------------	-------------------------------	-----------------------------------

Total Estimated Cost (TEC)

Design

Design	TBD	TBD	N/A
Contingency	0	0	N/A
Total, Design	TBD	TBD	N/A

Construction

Building & Site Work	TBD	TBD	N/A
D&D	0	0	N/A
Contingency	TBD	TBD	N/A
Total, Construction	TBD	TBD	N/A

Total, TEC	TBD	TBD	N/A
Contingency, TEC	TBD	TBD	N/A

Other Project Cost (OPC)

OPC except D&D

Conceptual Planning	0	0	N/A
Cold startup	0	0	N/A
Other OPC Costs	TBD	TBD	N/A
Contingency	TBD	TBD	N/A
Total, OPC except D&D	TBD	TBD	N/A

D&D (if any)

D&D	0	0	N/A
Contingency	0	0	N/A
Total, D&D	0	0	N/A

Total, OPC	TBD	TBD	N/A
Contingency, OPC	TBD	TBD	N/A

Total, TPC	TBD	TBD	N/A
Total, Contingency	TBD	TBD	N/A

5. Schedule of Appropriation Requests

(Dollars in Thousands)

Request Year		Prior Years	FY 2025	FY 2026	Outyears	Total
FY 2025	TEC	0	2,855	TBD	TBD	TBD
	OPC	0	3,020	TBD	TBD	TBD
	TPC	0	5,875	TBD	TBD	TBD
FY 2026	TEC	0	0	16,220	TBD	TBD
	OPC	0	0	3,780	TBD	TBD
	TPC	0	0	20,000	TBD	TBD

6. Related Operations and Maintenance Funding Requirements

Start of Operation or Beneficial Occupancy (fiscal quarter or date)	TBD
Expected Useful Life (duration of waste placement operations)	TBD
Expected Future Start of D&D of this Capital Asset (fiscal quarter)	N/A

(dollars in thousands, \$K)				
	Annual Costs*		Life Cycle Costs	
	Current Total Estimate**	Previous Total Estimate	Current Total Estimate***	Previous Total Estimate
Operations	TBD	TBD	TBD	TBD
Utilities	TBD	TBD	TBD	TBD
Maintenance	TBD	TBD	TBD	TBD
Total, Operations & Maintenance	TBD	TBD	TBD	TBD

**Post-closure and long-term stewardship activities are not included within this table or anywhere else on this Construction Project Data Sheet.*

***Cost updated to include all waste placement operations cost at the OSWDF which would include transportation and the placement of waste/debris into the cell.*

****Not all years are at 100% of the annual cost estimate due to concurrent activities performed on 20-U-401 and 25-U-401 in some years.*

7. Required D&D Information

Area	Square Feet
N/A	N/A

This project is providing a new capability and is not replacing a current capability; thus, this project was not justified on the basis of replacing current facilities.

The location of this construction project is an environmental management closure site and, therefore, is exempt from the “one-for-one” requirement.

8. Acquisition Approach

The acquisition approach for the project continues to have the Prime Contractor execute the work through a combination of self-performed work and subcontracted work with an emphasis on fixed price through competitive bids and the use of consent packages, consistent with current Portsmouth Deactivation and Decommissioning Prime Contract requirements under FAR 44. Title III design scope is planned to be, in part, subcontracted through a competitively awarded contract with an independent Architectural and Engineering firm.

Richland

Overview

The cleanup of the Hanford Site supports the Department of Energy in meeting the challenges of the nation's Manhattan Project and Cold War environmental legacy responsibilities. The Hanford Field Office consists of two budget elements: the Richland Operations, which manages cleanup of the non-tank waste elements of the Hanford Site and provides site services for the entire Hanford site, and the River Protection where primary responsibility is to retrieve tank waste and prepare for permanent and ultimate decommissioning of the tank and related treatment facilities. The River Protection and the Richland Operations work together to facilitate mutual mission success.

The Hanford Site was established during World War II to produce plutonium for the nation's nuclear weapons. The Hanford mission is now primarily site cleanup and environmental restoration to protect the public and the environment (e.g., groundwater, Columbia River, etc.).

The Richland Operations budget element also preserves and provides public access to the B Reactor National Historic Landmark and several other historic facilities as part of the Manhattan Project National Historical Park, which is co-administered by the Department of Energy and the National Park Service.

The Department of Energy serves as a federal trustee for natural and cultural resources under its jurisdiction at the 580-square-mile Hanford Site, and interacts with other federal, Tribal, state, and local governments, regional stakeholders, and members of the public with an interest in these resources and in their long-term management. The Department of Energy fulfills its trustee responsibilities mainly through its land management program as described in the Hanford Site Comprehensive Land-Use Plan [Record of Decision: Hanford Comprehensive Land-Use Plan Environmental Impact Statement (Federal Register November 12, 1999, 64 FR 61615)], and through the Hanford Natural Resource Trustee Council.

Proclamation 7319, Establishment of the Hanford Reach National Monument June 9, 2000, assigned the Department of Energy responsibility to manage about 290 square miles of the Site as a Monument for the protection of nationally significant natural, cultural, geologic, and other resources. The Department of Energy maintains a permit and Memorandum of Understanding with the U.S. Fish and Wildlife Service for management of most of the Monument, including Rattlesnake Mountain (called "Laliik" in the Native Sahaptin language), which is eligible for listing on the National Register of Historic Places. Consistent with a Memorandum of Understanding with the Department of the Interior, EM will continue working collaboratively to improve the protection of, and Tribal access to, the federal portion of Laliik, as a sacred site at Hanford. In addition to Laliik, the Hanford Site contains numerous Tribal sacred places and other important Tribal resources. While implementing its cleanup mission at the Hanford Site, the Department of Energy routinely engages in consultation under the National Historic Preservation Act and the Department of Energy Order for Tribal Consultation.

The Department is working to reduce the footprint at the Hanford Site and has realized significant cleanup momentum over the past several years. As such, efforts continue to be focused on completing cleanup along the Columbia River Corridor and transitioning the Central Plateau of the Hanford Site to a modern, protective waste management operation, thereby reducing the risks to workers, the community, and the environment.

Direct maintenance and repair at the Hanford Site are estimated to be \$253,800,000 in FY 2026.

Under the Richland budget element, the purchase of the following vehicles is planned in FY 2026: New Fire apparatus – Pumper Truck Type 1 (1), Fire Truck Aerial Ladder Type 1 (1), Ambulance Type 1 (5), Fire Engine Wildland Type 5 3 (7). The total estimated cost of this equipment is \$11,800,000.

Highlights of the FY 2026 Budget Request

In providing the Hanford site-wide services the Richland request includes, but are not limited to, roads and transportation services; electrical and water services; facility maintenance; network and software engineering; physical and cyber security, and information technology, and records management.

FY 2025 – FY 2026 Key Milestones/Outlook

The following listing represents key milestones included in the Tri-Party Agreement for performance in FY 2025 and FY 2026.

- (December 2024) M-024-75, Completed construction of all wells listed for calendar year 2024 and before.
- (December 2024) M-035-10 Make Documents/Records/Data Accessible for Building 2403-WD, 219-S Tank System, and TSCR/LAWPS.
- (June 2025) M-016-87B, Submit Annual Eval of Results of Enhanced GW Monitoring Near 618-11 Burial Ground.
- (June 2025) M-024-58R, Initiate Discussions of Well Commitments.
- (June 2025) M-016-87B, Submit Annual Evaluation of Results of Enhanced Groundwater Monitoring Near 618-11 Burial Ground.
- (September 2025) M-016-88, Initiate remediation planning and coordination with Energy Northwest for remediation of 618-11.
- (November 2025) M-016-85A, Complete remote excavation of 300-296 waste site.
- (December 2025) M-024-76, Complete Construction of all wells listed for CY25 and before.
- (December 2025) M-035-11 Make Documents/Records/Data Accessible for 6 CWC Buildings and 222-S DMWSA.
- (December 2025) M-035-14 Make Documents/Records/Data Accessible for the LERF/ETF TSD.
- (December 2025) M-036-01K Submit the Lifecycle Scope, Schedule & Cost Report to EPA & Ecology.
- (February 2026) M-015-110E, Transmit 200-DV-1 Operable Unit Laboratory Treatability Test Report to Ecology.
- (March 2026) M-092-20A, Submit to Ecology a disposition pathways evaluation for the Cesium and Strontium capsules.
- (June 2026) M-024-58S, Initiate Discussions of Well Commitments.
- (June 2026) M-015-00, Complete the Remedial Investigation/Feasibility Study (or RFI/CMS) Process for all Non-Tank Farm Operable Units except for Canyon/Associated Past Practice Waste Site Operable Units covered under M-85-00.
- (August 2026) M-016-210, Submit PMR with 90% design for final landfill cover, including closure schedule for NRDWL and SWL.
- (September 2026) M-085-90, Submit Remedial Investigation/Feasibility Study Work Plan for 200-CR-1 to EPA.

Regulatory Framework

The U. S. Department of Energy, the U. S. Environmental Protection Agency (EPA), and the State of Washington Department of Ecology signed a comprehensive cleanup and compliance agreement on May 15, 1989. The Hanford Federal Facility Agreement and Consent Order, or Tri-Party Agreement, is an agreement for achieving compliance with the Comprehensive Environmental Response, Compensation, and Liability Act remedial action provisions along with the Resource Conservation and Recovery Act.

Contractual Framework

Program planning and management at the Hanford Field Office is conducted through the issuance and execution of contracts to large and small businesses. The Hanford Field Office develops near- and long-term planning approaches to develop contract strategies and program/project plans at a more detailed level. Selected contractors then execute these plans to complete cleanup in accordance with the terms of the contracts.

Current prime contracts supporting the Richland mission are:

- The Central Plateau Cleanup Contract is an Indefinite Delivery, Indefinite Quantity contract that provides for an indefinite quantity of services for a fixed time. This contract structure allows the Department of Energy to achieve significant risk and financial liability reduction that provides the best overall optimal solution to Hanford Site completion and closure. Task orders to perform specific end states (cleanup completion objectives) can be issued for periods of up to five years and can be issued at any time during the ordering period. The contract is one of the first Environmental Management End State contracts in the Department of Energy complex. The contract was awarded on December 12, 2019, and the 10-year ordering period lasts through December 11, 2029. Contract transition began on October 5, 2020, and was completed on January 24, 2021.
- The Hanford Mission Integration Solutions Contract is a cost-plus-award-fee contract for infrastructure services in support of Hanford Site cleanup, with an Indefinite Delivery Indefinite Quantity component to facilitate specialized task orders. This contract was awarded on December 5, 2019. This contract has a base period of performance from January 25, 2021, through September 30, 2025, with one 3-year option and one 2-year option. The contract base period of performance was preceded by a 161-day transition that started on August 17, 2020.
- The Hanford Occupational Medical Services Contract is a hybrid contract for Hanford Site occupational medical services that includes firm-fixed price with cost reimbursement and an Indefinite Delivery Indefinite Quantity component to facilitate specialized task orders. This contract was awarded on October 19, 2023. Contract transition completed on December 14, 2023, and Inomedic Health Application, Inc. began the new contract on December 15, 2023. The new Hanford Occupational Medical Services Contract has a 3-year base period of December 15, 2023, to August 15, 2026, and two 24-month option periods.

Strategic Management

The Hanford mission includes eliminating hazards on the site, including those near the Columbia River, by cleaning up the Central Plateau and River Corridor and treating contaminated groundwater near the Columbia River. The work will ultimately reduce the active cleanup footprint to 75 square miles in the center of the site, reduce overhead costs and reduce cleanup mortgages. The Hanford mission is also guided by the Hanford Federal Facility Agreement and Consent Order, known as the Tri-Party Agreement established on May 15, 1989.

Richland

Funding (\$K)

Defense Environmental Cleanup

Hanford Site

Central Plateau Remediation

RL-0013C / Solid Waste Stabilization
and Disposition- 2035

Operating	194,200	201,000	176,289	-24,711	-12%
-----------	---------	---------	---------	---------	------

Construction

24-D-401: Environmental
Restoration Disposal Facility

Supercell 11 Expansion Project	1,000	25,000	0	-25,000	-100%
--------------------------------	-------	--------	---	---------	-------

	195,200	226,000	176,289	-49,711	-22%
--	---------	---------	---------	---------	------

RL-0030 / Soil and Water Remediation-
Groundwater/Vadose Zone - 2035

	148,300	142,475	135,439	-7,036	-5%
--	---------	---------	---------	--------	-----

RL-0201 / Hanford Site Wide Services

Operating	441,989	453,525	442,531	-10,994	-2%
-----------	---------	---------	---------	---------	-----

Construction

22-D-401: Eastern Plateau Fire
Station, (RL-0201)

	7,000	13,500	0	-13,500	-100%
--	-------	--------	---	---------	-------

22-D-402: 200 Area Water
Treatment Facility, (RL-0201)

	11,200	7,800	4,000	-3,800	-49%
--	--------	-------	-------	--------	------

23-D-404: 181D Export Water
System Reconfiguration and
Upgrade

	27,149	0	0	+0	0%
--	--------	---	---	----	----

23-D-405: 181B Export Water
System Reconfiguration and
Upgrade

	462	1,168	0	-1,168	-100%
--	-----	-------	---	--------	-------

	487,800	475,993	446,531	-29,462	-6%
--	---------	---------	---------	---------	-----

Subtotal, Central Plateau Remediation

	831,300	844,468	758,259	-73,041	-9%
--	----------------	----------------	----------------	----------------	------------

**Richland Community and Regulatory
Support**

RL-0100 / Richland Community and Regulatory Support	10,700	11,130	10,700	-430	-4%
River Corridor and Other Cleanup Operations					
RL-0040 / Nuclear Facility D&D- Remainder of Hanford - 2035	88,000	43,000	31,000	-12,000	-28%
RL-0041 / Nuclear Facility D&D-River Corridor Closure Project	112,000	112,000	37,562	-74,438	-66%
Subtotal, River Corridor and Other Cleanup Operations	200,000	155,000	68,562	-131,438	-66%
Total, Hanford Site	1,042,000	1,010,598	837,521	-204,479	-20%
Safeguards and Security					
RL-0020 / Safeguards and Security	100,666	119,766	129,793	+10,027	+8%
Total, Defense Environmental Cleanup	1,142,666	1,130,364	967,314	-163,050	-14%
Non-Defense Environmental Cleanup					
Fast Flux Test Reactor Facility D&D					
Fast Flux Test Reactor Facility D&D					
RL-0042 / Nuclear Facility D&D-Fast Flux Test Facility Project	3,200	3,200	3,200	+0	0%
Total, Richland	1,145,866	1,133,564	970,514	-163,050	-14%

Richland
Explanation of Major Changes (\$K)

FY2025 Enacted	FY2026 Request	FY 2026 Request vs FY 2025 Enacted
---------------------------	---------------------------	---

Defense Environmental Cleanup

Hanford Site

Central Plateau Remediation

RL-0013C / Solid Waste Stabilization and Disposition- 2035

- The decrease represents a completion of upgrades at the Solid and Liquid Waste operational facilities; a reduction of activities to support the transuranic disposition program; and completion of the excavation of Supercell 11 in FY 2025 with follow-on construction activities scheduled for a later date.

226,000 176,289 -49,711

RL-0030 / Soil and Water Remediation-Groundwater/Vadose Zone - 2035

- The decrease reflects completion of the following: 100-BC Reactor Area biological study, drilling of monitoring wells to characterize Trichlorethylene in the 100-N Reactor Area, air stripper installation at the 200 West Pump and Treat Facility, and well connections in the 200 East Area. These activities support decision documentation completion and well expansion at a future date.

142,475 135,439 -7,036

RL-0201 / Hanford Site Wide Services

- The decrease represents a reduction of infrastructure and corrective and preventive maintenance activities, and delays to replacement of 200E 1,100,00 gallon potable water tank (L-849).

475,993 446,531 -29,462

Richland Community and Regulatory Support

RL-0100 / Richland Community and Regulatory Support

- The decrease represents conclusion of support to an EPA Interagency Agreement.

11,130 10,700 -430

River Corridor and Other Cleanup Operations

RL-0040 / Nuclear Facility D&D-Remainder of Hanford - 2035

- The decrease reflects completion of demobilization from the Central Plateau.

43,000 31,000 -12,000

RL-0041 / Nuclear Facility D&D-River Corridor Closure Project

- The decrease represents a temporary hold on the 100K area ancillary facility demolition and waste site remediation with follow-on activities scheduled following 105KW Basin demolition at a future date: and completion of regulatory documentation, planning, and non-intrusive characterization activities associated with future progress toward 324 Building deactivation.

112,000 37,562 -74,438

Safeguards and Security

RL-0020 / Safeguards and Security

- The increase allows initiation of a multi-year plan for compliance with DOE O 205.1C and EO 14028 cybersecurity requirements, HSPD-12 vetting (suitability determination) for ~9,000 site contractors, and conversion from Official Use Only to Controlled Unclassified Information and starting re-enrollment of

119,766 129,793 +10,027

**Environmental Management/
Richland**

FY 2026 Congressional Justification

8,000+ containers into the accountability system per DOE O 474.2A, Nuclear Material Control and Accountability, along with funding additional labor costs for Protective Force Security Police Officers.

Non-Defense Environmental Cleanup

Fast Flux Test Reactor Facility D&D

RL-0042 / Nuclear Facility D&D-Fast Flux Test Facility Project

- No changes.

	3,200	3,200	+0
Total, Richland	1,133,564	970,514	-163,050

Solid Waste Stabilization and Disposition (PBS: RL-0013C)

Overview

This PBS can be found within the Defense Environmental Cleanup appropriation.

The scope of this PBS includes storage and disposal of irradiated nuclear fuel, transuranic waste, mixed hazardous and low-level radioactive waste, and low-level radioactive waste generated at the Hanford Site and other Department of Energy and Department of Defense facilities. This PBS also includes storage of the Environmental Management legacy irradiated nuclear fuel in the Canister Storage Building or 200 Area Interim Storage Area and Environmental Restoration Disposal Facility disposal operations. In addition, 1,936 cesium and strontium capsules in wet storage in the Waste Encapsulation and Storage Facility will be transferred to dry storage, and retrieval of contact- and remote-handled suspect transuranic waste in the low-level burial grounds will be performed. About 24,000 cubic meters of suspect transuranic waste is to be processed and an estimated 10,000 cubic meters will eventually be shipped to the Waste Isolation Pilot Plant in Carlsbad, New Mexico. About 51,000 cubic meters of mixed hazardous and low-level radioactive waste will be treated and disposed in the mixed waste trenches or other facilities. About 130,000 cubic meters of low-level radioactive waste will be disposed through site closure.

Solid Waste Stabilization and Disposition- 2035 (PBS: RL-0013C)

Activities and Explanation of Changes

FY 2025 Enacted	FY 2026 Request	Explanation of Changes - FY 2026 Request vs FY 2025 Enacted
\$226,000,000	\$176,289,000	-\$49,711,000
- Support operations necessary to provide for safe and compliant operations of waste storage facilities for the Hanford Site. - Support safe disposal operations of the Environmental Restoration Disposal Facility. - Integrate Disposal Facility: Complete all training and readiness activities and turnover to operations to support Direct Feed Low-Activity Waste startup. - Complete Waste Encapsulation and Storage Facility readiness activities and turnover to operations for moving the cesium/strontium capsules to dry storage.	- Support operations necessary to provide for safe and compliant operations of waste storage facilities for the Hanford Site. - Support safe disposal operations of the Environmental Restoration Disposal Facility. - Operate the Integrated Disposal Facility to support Direct-Feed Low-Activity Waste operations. - Supports progress moving the cesium/strontium capsules from Waste Encapsulation and Storage Facility to dry storage.	The decrease represents a completion of upgrades at the Solid and Liquid Waste operational facilities; a reduction of activities to support the Transuranic disposition program; and completion of the excavation of Supercell 11 in FY 2025 with follow on construction activities scheduled for a later date.

-
- Supports repackaging of legacy Transuranic waste and establishment of certification program to prepare for Transuranic waste shipments offsite to Waste Isolation Pilot Plant.
 - Supports planning, permitting and Critical Decision-1 approval activities for the contact handled Transuranic waste repackaging project.
 - Supports design and planning activities for the shipping capability.
Supports initiation of the Environmental Restoration Disposal Facility Super Cell 11 construction project. On April 21, 2025, the Project Management Executive for the Environmental Restoration Disposal Facility Supercell 11 Construction Capital Asset Project (24-D-401) approved Critical Decision-2, approve performance baseline, and Critical Decision-3, approve start of construction. The Total Project Cost for the Environmental Restoration Disposal Facility Super Cell 11 Construction Project is \$95,300,000 with a scheduled completion date of September 30, 2028.

Soil and Water Remediation-Groundwater/Vadose Zone (PBS: RL-0030)

Overview

This PBS can be found within the Defense Environmental Cleanup appropriation.

This PBS scope includes groundwater and vadose zone remediation activities that address groundwater contamination and protection of the groundwater resources on the Hanford Site. The principal activities for this PBS include: 1) field characterization to assess the extent of radiological and chemical contamination and contaminants for movement in the vadose zone and groundwater; 2) vadose zone, groundwater and risk assessment modeling and evaluating cumulative impacts to the Hanford groundwater and Columbia River; 3) operation of groundwater remediation systems and implementation of alternative methods; 4) installation of wells to maintain an integrated Comprehensive Environmental Response, Compensation, and Liability Act and Resource Conservation and Recovery Act compliant network for monitoring groundwater plumes and for implementing groundwater/vadose zone remedies; 5) groundwater well drilling, maintenance, decommissioning; and 6) complete final restoration of groundwater on the Hanford Site. This PBS supports the regulatory decision-making process for remediation of all the groundwater operable units on the Hanford site. It also supports the regulatory processes for waste sites along the River Corridor and on the Central Plateau as well as the regulatory processes for and remediation of soil contamination in the Central Plateau deep vadose zone.

Soil and Water Remediation-Groundwater/Vadose Zone - 2035 (PBS: RL-0030)

Activities and Explanation of Changes

FY 2025 Enacted	FY 2026 Request	Explanation of Changes - FY 2026 Request vs FY 2025 Enacted
\$142,475,000	\$135,439,000	-\$7,036,000
- Continue site-wide groundwater contamination monitoring activities, as well as pump and treat operations of all six Pump and Treat Facilities, including the well realignments and well drilling necessary to effectively remediate groundwater contamination. - Continue the technical integration of site-wide groundwater and vadose zone cleanup activities.	- Continue site-wide groundwater contamination monitoring activities, as well as pump and treat operations of all six Pump and Treat Facilities, including the well realignments and well drilling necessary to effectively remediate groundwater contamination. - Continue the technical integration of site-wide groundwater and vadose zone cleanup activities.	The decrease reflects completion of the following: 100-BC Reactor Area biological study, drilling of monitoring wells to characterize Trichlorethylene in the 100-N Reactor Area, air stripper installation at the 200 West Pump and Treat Facility, and well connections in the 200 East Area. These activities support decision documentation completion and well expansion at a future date.

-
- Continue Cumulative Impact Evaluation tool execution enabling the evaluation of site-wide groundwater impacts allowing for risk prioritization of waste sites to more efficiently characterize and make final decisions on the Central Plateau.
 - Support monitoring well drilling across all the Operable Units and continues to meet Tri-Party Agreement M-24 Resource Conservation and Recovery Act Well Drilling Commitments.
 - Progress completion of the final Record of Decision for the K Reactor Area. Also achieves significant progress towards the completion of necessary decision documentation needed to complete and obtain the final Record of Decision for the N Reactor Area.
 - Perform well network expansion and achieve significant progress towards necessary modifications & expansions to existing pump and treat facilities as identified in Comprehensive Environmental Response, Compensation, and Liability Act Interim and Final Records of Decisions which are focused on cleaning up groundwater and minimizing the amount of contamination reaching the Columbia River.
- Continue Cumulative Impact Evaluation tool execution enabling the evaluation of site-wide groundwater impacts allowing for risk prioritization of waste sites to more efficiently characterize and make final decisions on the Central Plateau.
 - Support monitoring well drilling across all the Operable Units and continues to meet Tri-Party Agreement M-24 Resource Conservation and Recovery Act Well Drilling Commitments.
 - Achieve completion of the final Record of Decision for the K Reactor and N Reactor Areas.

Hanford Site Wide Services (PBS: RL-0201)

Overview

This PBS can be found within the Defense Environmental Cleanup appropriation.

This PBS scope includes services and projects to ensure safe and secure daily operations on the 586-square-mile Hanford Site. The Richland Operations Office provides these Hanford Site services. These site services support cleanup activities at both the Richland Operations Office and the Office of River Protection, as well as the science and research mission of the Pacific Northwest National Laboratory, which also includes Minor Construction Projects as well as direct maintenance and repair that are applicable to these areas. These integrated infrastructure services and projects include, but are not limited to, roads and transportation services; electrical and water services; facility maintenance; network and software engineering; and records management. This scope also includes funding of Cooperative Agreements that support Tribal engagement and consultation with Department of Energy’s cleanup and land management decision-making processes and other areas of interest for Tribes with certain rights at the Hanford Site pursuant to their respective treaties of 1855, including the Confederated Tribes and Bands of the Yakama Nation, the Confederated Tribes of the Umatilla Indian Reservation, and the Nez Perce Tribe, as well as engagement with the Wanapum People, who have direct cultural and ancestral ties at the Hanford Site.

Hanford Site Wide Services (PBS: RL-0201)

Activities and Explanation of Changes

FY 2025 Enacted	FY 2026 Request	Explanation of Changes - FY 2026 Request vs FY 2025 Enacted
\$475,993,000	\$446,531,000	-\$29,462,000
• Supports contracted services for occupational health; Information Technology support; performance assessment activities; records management; and general services such as custodial, land management, regulatory grants, permits, and fees, litigation support, additional Tribal engagement and training, National Historic Preservation Act compliance, and rent. • Supports safe operations and site services necessary to maintain functionality of required site infrastructure; fire protection;	• Supports contracted services for occupational health; Information Technology support; performance assessment activities; records management; and general services such as custodial, land management, regulatory grants, permits, and fees, litigation support, additional Tribal engagement and training, National Historic Preservation Act compliance, and rent. • Supports safe operations and site services necessary to maintain functionality of required site infrastructure; fire protection; emergency management services; physical	• The decrease represents a reduction of infrastructure and corrective and preventive maintenance activities, and delays to replacement of 200E 1.1M gallon potable water tank (L-849).

emergency management services; physical control of government property and equipment; services including, but not limited to, utilities and other functions; safety, environmental, health, and training; business services; and information management. • Supports site infrastructure requirements for Direct Feed Low Activity Waste commissioning and start-up. • Supports establishment of two line-item construction projects, 181D River Pump House and Feed Pump Building (L-781), 181B River Pump House (L-826), and continuation of the Central Plateau Fire Station and 200 Area Water Treatment Facility as line items. • Supports the national historical park mission, B Reactor roof replacement and other preservation efforts, as well as all other operations and maintenance requirements for the B Reactor facility. • Supports, as directed by Congress, the Hanford Workforce Engagement Center to provide education and advocacy to current and former Hanford employees on all available federal and state compensation programs as well as the Hazardous Materials and Emergency Response facilities, which provide valuable training to Hanford employees.	control of government property and equipment; services including, but not limited to, utilities and other functions; safety, environmental, health, and training; business services; and information management. • Supports site infrastructure requirements for Direct Feed Low Activity Waste commissioning and start-up. • Supports progress on various infrastructure projects to sustain delivery of critical services including utilities, roads, fire/emergency services, Information Technology systems and equipment maintenance, while continuing one Line-Item construction project: Central Plateau Water Treatment Facility (L-897). • Supporting the national historical park mission, B Reactor roof replacement and other preservation efforts, as well as all other operations and maintenance requirements for the B Reactor facility. • Continue support of the Hanford Workforce Engagement Center to provide education and advocacy to current and former Hanford employees on all available federal and state compensation programs as well as the Hazardous Materials and Emergency Response facilities, which provide valuable training to Hanford employees.
--	---

Richland Community and Regulatory Support (PBS: RL-0100)

Overview

This PBS can be found within the Defense Environmental Cleanup appropriation.

The scope of this PBS includes stakeholder support and assistance payments. The activities included in this PBS are: 1) grants to Washington State and Oregon State; and 2) funding to support the Hanford Advisory Board and related activities; and 3) Payment In Lieu of Taxes. This PBS scope will end upon completion of the Hanford Environmental Management mission.

Richland Community and Regulatory Support (PBS: RL-0100)

Activities and Explanation of Changes

FY 2025 Enacted	FY 2026 Request	Explanation of Changes - FY 2026 Request vs FY 2025 Enacted
\$11,130,000	\$10,700,000	-\$430,000
Support Washington and Oregon States' emergency preparedness, environmental oversight, and Hanford Advisory Board and payment in lieu of taxes.	Support Washington and Oregon States' emergency preparedness, environmental oversight, and Hanford Advisory Board and payment in lieu of taxes.	The decrease in funding represents conclusion of support to an EPA Interagency Agreement.

Nuclear Facility D&D-Remainder of Hanford (PBS: RL-0040)

Overview

This PBS can be found within the Defense Environmental Cleanup appropriation.

This PBS scope includes implementation of various Hanford Site cleanup initiatives: cleanup of radioactivity and chemical contamination in about 1,000 waste sites with potential impact to groundwater and approximately 500 facilities primarily on the Central Plateau. Life-cycle work scope includes decontamination, decommissioning, dismantlement, and disposition of surplus facilities (including canyon facilities - B Plant, T Plant, U Plant, Plutonium-Uranium Extraction Plant, and Reduction-Oxidation Plant); remediation of all 200 Area waste sites containing large inventories of contaminants that may migrate into groundwater plumes (includes removal of contaminants or construction of surface barrier caps over waste sites); deactivation and disposition of contaminated equipment; final disposition of Cold War legacy wastes; safe operation of facilities awaiting deactivation and demolition; and maintenance and repair of system infrastructure. Following the assessment activities for the Central Plateau through the remedial decision process under PBS RL-0030, remedial design and implementation will be performed under PBS RL-0040. This PBS scope includes the physical cleanup of these waste sites and facilities.

Nuclear Facility D&D-Remainder of Hanford - 2035 (PBS: RL-0040)

Activities and Explanation of Changes

FY 2025 Enacted	FY 2026 Request	Explanation of Changes - FY 2026 Request vs FY 2025 Enacted
\$43,000,000	\$31,000,000	-\$12,000,000
- Support surveillance and maintenance activities necessary to ensure safety for waste sites and surplus facilities on Hanford's Central Plateau. Also supports project management functions that include Environment, Safety and Health oversight, quality management, safety and job hazards analysis, technical support, and integration with site activities. - Supports limited aging facility risk mitigation and demobilization activities.	Support surveillance and maintenance activities necessary to ensure safety for waste sites and surplus facilities on Hanford's Central Plateau. Also supports project management functions that include Environment, Safety and Health oversight, quality management, safety and job hazards analysis, technical support, and integration with site activities.	The decrease reflects completion of demobilization from the Central Plateau.

Nuclear Facility D&D-River Corridor Closure Project (PBS: RL-0041)

Overview

This PBS can be found within the Defense Environmental Cleanup appropriation.

The River Corridor Closure Project addresses the remediation of contaminated soils and facilities adjacent to the Columbia River. This project will remediate waste sites; deactivate, decontaminate, decommission, and demolish associated facilities; and place the old production reactors in an interim safe storage condition until a final decision is made addressing reactor disposition. Remediation activities are being conducted in accordance with Comprehensive Environmental Response, Compensation, and Liability Act Interim Action Records of Decision. The River Corridor is divided into four major sub-areas: (1) 100 Area, comprised of shutdown plutonium production reactors, support facilities, and burial grounds; (2) 300 Area, comprised of former reactor fuel fabrication, research and development, and support facilities; (3) 400 Area, a support complex comprised of a small number of former maintenance and storage facilities and waste sites located outside of the Fast Flux Test Facility reactor protected area; and (4) 600 Area, comprised of the remaining 618-11 burial grounds located between the 100 and 300 Areas, and vacant land extending from the Columbia River to the Central Plateau in the middle of the Site.

Nuclear Facility D&D-River Corridor Closure Project (PBS: RL-0041)

Activities and Explanation of Changes

FY 2025 Enacted	FY 2026 Request	Explanation of Changes - FY 2026 Request vs FY 2025 Enacted
\$112,000,000	\$37,562,000	-\$74,438,000
• Provide operations and maintenance support to maintain the K-West Basin, a Category 2 nuclear facility, in a safe and compliant manner, and other 100 K Area surveillance and maintenance activities. Continue to support operations necessary to provide for safe and compliant monitoring of the 324 Building. • Supports progress toward deactivation of the 324 Building in preparation for building demolition. • Supports progress toward 100K area facility demolition and waste site remediation.	• Provide operations and maintenance support to maintain the K-West Basin, a Category 2 nuclear facility, in a safe and compliant manner and other 100 K Area surveillance and maintenance activities. Continue to support operations necessary to provide for safe and compliant monitoring of the 324 Building.	• The decrease represents temporary hold on the 100K area ancillary facility demolition and waste site remediation with follow-on activities scheduled following 105KW Basin demolition at a future date: and completion of regulatory documentation, planning, and non-intrusive characterization activities associated with future progress toward 324 Building deactivation.

Safeguards and Security (PBS: RL-0020)

Overview

This PBS can be found within the Defense Environmental Cleanup appropriation.

The Safeguards and Security Program supports the only Primary Mission Essential Function of the Hanford site, as defined by DOE, which is to protect Special Nuclear Materials. The program also protects people, equipment, information, and facilities in support of Hanford remediation and cleanup programs. These activities provide for overall site access security and protection of personnel and government property as part of EM's overall responsibilities for the 581 square mile Hanford Site.

Safeguards and Security (PBS: RL-0020)

Activities and Explanation of Changes

FY 2025 Enacted	FY 2026 Request	Explanation of Changes - FY 2026 Request vs FY 2025 Enacted
\$119,766,000	\$129,793,000	+\$10,027,000
- Perform Safeguards and Security programs for the Hanford Site, including protection of Category I Special Nuclear Material, Protection Program Management, Emergency Response, Physical Security, Information Protection, Protective Force, Personnel Security, Cyber Security, and Nuclear Material Control and Accountability. - Support Design Basis Threat based security analysis, Vulnerability Assessment, Security Risk Assessments, and Performance Assurance across all	- Perform Safeguards and Security programs for the Hanford Site, including protection of Category I Special Nuclear Material, Protection Program Management, Emergency Response, Physical Security, Information Protection, Protective Force, Personnel Security, Cyber Security, and Nuclear Material Control and Accountability. - Support Design Basis Threat-based security analysis, Vulnerability Assessment, Security Risk Assessments, and Performance	- Initiate a multi-year plan for compliance with DOE O 205.1C and E.O. 14028 cybersecurity requirements, HSPD-12 vetting (suitability determination) for ~9,000 site contractors, and conversion from Official Use Only to Controlled Unclassified Information. - Start re-enrollment of 8,000+ containers into the accountability system per DOE O 474.2A, <i>Nuclear Material Control and Accountability</i>, along with funding additional labor costs for Protective Force Security Police Officers.

aspects of safeguards and security scope.

- Execute cybersecurity controls, monitoring, and response in accordance with DOE O 205.1B and the EM Risk Management Approach Implementation Plan, initiated additional Industrial Control System protection activities to address evolving threats, and progressed compliance with Executive Order 14028.

Assurance across all aspects of safeguards and security scope.

- Perform Cyber Security operations in accordance with the initiation of a multi-year plan for compliance with DOE O 205.1C and E.O. 14028 cybersecurity requirements, HSPD-12 vetting (suitability determination) for ~9,000 site contractors, and conversion from Official Use Only to Controlled Unclassified Information.
- Start re-enrollment of 8,000+ containers into the accountability system per DOE O 474.2A, Nuclear Material Control and Accountability, along with funding additional labor costs for Protective Force Security Police Officers.

Nuclear Facility D&D-Fast Flux Test Facility Project (PBS: RL-0042)

Overview

This PBS can be found within the Non-Defense Environmental Cleanup appropriation.

This PBS scope includes deactivation and decommissioning of the Fast Flux Test Facility, a 400-megawatt (thermal) liquid metal (sodium) cooled fast neutron flux nuclear test reactor, and 44 support buildings and structures. The deactivation activities consist of: reactor de-fueling; disposition of 376 reactor fuel assemblies by washing, drying, loading in storage casks and transferring to appropriate storage locations; draining approximately 260,000 gallons of sodium from operating plant systems, reactor vessel, and fuel storage vessels; sodium residual cleaning of all plant systems and vessels; disposition of 260,000 gallons of bulk sodium by conversion to sodium hydroxide for use by the Waste Treatment Plant; and the shutdown of Fast Flux Test Facility auxiliary systems.

The Fast Flux Test Facility Project has completed the sodium drain from the Fast Flux Test Facility to the Sodium Storage Facility, stored the reactor nuclear fuel and placed the facility in long-term surveillance and maintenance.

Nuclear Facility D&D-Fast Flux Test Facility Project (PBS: RL-0042)

Activities and Explanation of Changes

FY 2025 Enacted	FY 2026 Request	Explanation of Changes - FY 2026 Request vs FY 2025 Enacted
\$3,200,000	\$3,200,000	+\$0
Support long-term safe and compliant surveillance and maintenance for Fast Flux Test Facility and support facilities, which also includes residual and stored bulk sodium at the Fast Flux Test Facility.	Support long-term safe and compliant surveillance and maintenance for Fast Flux Test Facility and support facilities, which also includes residual and stored bulk sodium at the Fast Flux Test Facility.	No change.

Richland
Minor Construction (MC) Notification & Reporting (Use of Authority) (\$K)

Appr	Program	Site	Icons 🔍 ↻ ⏪	Project Title	Project Description	✓	✓	Percent Complete		Original			Current		
						New Notif.	Auth. - Con. Design			Project Start	Design Complete	Constr. Complete	Project Start	Design Complete	Constr. Complete
								Original TEC	Previous TEC	Current TEC	Current Constr. Design	Prior Years	FY 2024 Request	FY 2025 Request	FY 2026 Request
D	Central Plateau Remediation	RL	🔍	W-220 CH Shipping Facility	Design and construct a shipping facility to support the contact handled Transuranic waste shipments offsite.			0%		FY 2025	FY 2026	FY 2028	FY 2025	FY 2026	FY 2029
								7,000	7,000	7,000	1,650	0	0	7,000	0
D	Central Plateau Remediation	RL	🔍	W-215 MWT Leachate Tanks	Design, remove and replace the Mixed Waste Trenches leachate tanks.			0%		FY 2025	FY 2025	FY 2025	FY 2025	FY 2025	FY 2025
								2,150	2,150	2,150	150	0	0	2,150	0
N	Fast Flux Test Reactor Facility D&D	RL	🔍	XXX 400 Area Water Systems	Design and construct the 400 Area water system upgrade.			0%		FY 2026	FY 2027	FY 2028	FY 2026	FY 2027	FY 2028
								6,000	6,000	6,000	2,400	0	0	0	6,000
D	Environmental Management - Defense	RL	🔍	L-838, Water Feeds to 622R, 6608 & 200W Lagoons	Converting the 622R Meteorology (Met) Lab fire protection water supply from the export water (EW) system to the raw water (RW) system and installing permanent in-ground sanitary water (SW) and RW supply lines to the 200W Sewer Lagoons and 6608 Biosolids Handling Facility.			0%					FY 2021	FY 2023	FY 2027
								3,105	13,646	8,867	497	59	0	0	0
D	Environmental Management - Defense	RL	🔍	L-850, Replace 200W 1.1M Gallon PW Tank (DFLAW Priority)	Design and construct replacement 1.1M gallon sanitary water tank in 200W. Additionally, the project will demolish and remove the existing tank in 200W.			0%		Prior Contractor			FY 2020	FY 2020	FY 2026
								1,978	13,308	27,035	540	11,235	12,000	3,800	0
D	Environmental Management - Defense	RL	🔍	L-894, Raw Water Cross Connection Isolation 200E/W	Design, procure, and construct water system components that will eliminate cross-connections between the RW systems and the potable and export water systems in accordance with WAC 246-290.			0%		Prior Contractor			FY 2020	FY 2020	FY 2026
								8,181	7,485	7,820	546	7,518	0	0	302
D	Environmental Management - Defense	RL	🔍	L-895, Fire Protection Infrastructure for Plateau Raw Water	The project will add the necessary fire protection infrastructure to the RW systems in the 200E and 200W Areas.			0%		Prior Contractor			FY 2020	FY 2020	FY 2025
								8,637	23,344	26,169	1,966	17,534	3,662	4,973	0

**Environmental Management/
Richland**

FY 2026 Congressional Justification

D	Environmental Management - Defense	RL	L-898, 100 Area Mission Critical Distribution Feeders Replacement	Design, rebuild, and reroute the 100 Area electrical distribution system (lines C9-L3 and C9-L4) to align with post River Corridor cleanup (current) and future main load centers at 100K, 100B, and 100D Areas.	0%					FY 2020	FY 2024	FY 2030	
					7,100	7,296	24,787	1,064	1,806	12,161	7,200	0	
D	Environmental Management - Defense	RL	L-907, Fleet Complex Site Development	Design new fleet shop facilities including a 30,000+ SF Heavy Equipment Shop, a 21,000+ SF Auto/Truck Shop, two associated 4,000 SF permanent storage structures and associated site development including utilities, parking, landscaping, etc.	0%					Prior Contractor	FY 2020	FY 2030	Design Only
					1,799	3,198	1,792	1,792	3	0	0	0	
D	Environmental Management - Defense	RL	L-927, Sanitary Water Cross-tie Line 200E/W	Sanitary Water Cross-Tie Line between 200 East and 200 West will provide approximately 5 mi of 16-in. sanitary water (SW) line to augment the existing 12-in. SW line. The current 12-in. SW line is the only SW line between 200 West and the Fire Station – 200 Areas (609A).	0%					FY 2027			
					7,436	19,108	13,631	344	41	0	0	0	
D	Environmental Management - Defense	RL	L-928 Reroute 12in Raw Water Line Near 241AP Farm	Reroute Raw and Sanitary Lines Near 241AP Farm addresses the need for a new 12-in raw water (RW) line and the replacement of the existing 2-in sanitary water (SW) line near the 241AP Tank Farm to avoid the risk of future operational impacts to the Tank Farms, Tank Side Cesium Removal (TSCR) complex, and the Waste Treatment and Immobilization Plant.	0%					FY 2025			
					1,627	7,500	8,018	323	518	0	7,500	0	
D	Environmental Management - Defense	RL	MS-006 Electric Vehicle Charging Stations	Provide electrical vehicle charging stations across Hanford in accordance with guidance from HQ. The charging locations will be decided based upon the contractor EV sitewide study and provide continuous vehicle operation across site. Scope includes planning, design, procurement, construction, and selecting locations for implementation.	0%					FY 2025			
					14,800	14,800	14,800		0	0	14,800	0	
D	Environmental Management - Defense	RL	Occ Med Facility	Includes planning, design, procurement, construction, and selection of a location to provide a new/renovated space for Hanford Sitewide medical. The facility will provide emergency medical care, quick response, and a location for health services. Several options are currently being evaluated that include a mobile facility or utilizing existing infrastructure on site.	0%					FY 2025			
					5,000	5,000	5,000		0	0	5,000	0	

					56%		FY 2023	FY 2023	FY 2024	FY 2023	FY 2023	FY 2025	
D	Environmental Management - Defense	RL	G840, Procure/Install WMA C/A-AX Farm Ext System	This work scope places necessary pipelines and a transfer station needed to convey contaminated groundwater from extraction wells at the C/A-AX Tank Farms to the existing 200 West Pump & Treat facility for treatment.	7,130		12,064	141	12,064	0	0	0	
					0%		FY 2025	FY 2025	FY 2025	FY 2025	FY 2025	FY 2025	
D	Environmental Management - Defense	RL	XXX 200-ZP-1 Air Stripper Installation	Installation of an additional air stripper to accomodate increased capacity needs.	3,800		3,800	3,800	100	0	0	3,800	0
					0%		FY 2025	FY 2025	FY 2026	FY 2025	FY 2025	FY 2026	
D	Environmental Management - Defense	RL	XXX 200-BP-5/200-PO-1 Cross Site Transfer Line	Installation of a cross-site transfer line from the 200 East Area to the 200 West Pump & Treat Facility	6,400		6,400	6,400	250	0	0	6,400	0
	RL			SUBTOTAL	92,143		140,035	175,333	11,763	50,778	27,823	62,623	6,302

Richland
Construction Projects Summary (\$K)

Total	Prior Years	FY 2024 Enacted	FY 2024 Actuals	FY 2025 Enacted	FY 2026 Request	FY 2026 Request vs FY 2025 Enacted
-------	----------------	--------------------	--------------------	--------------------	--------------------	--

22-D-401, Eastern Plateau Fire Station (formerly 400 Area Fire Station (RL-0201))

Total Estimate Cost (TEC)	43,050	19,400	7,000	0	12,750	0	-12,750
Other Project Costs (OPC)	3,850	3,100	0	281	750	0	-750
Total Project Cost (TPC) 22-D-401^a	46,900	22,500	7,000	281	13,500	0	-13,500

22-D-402, 200 Area Central Plateau Water Treatment Facility (RL-0201)

Total Estimate Cost (TEC)	47,700	24,900	11,000	6,556	7,800	2,000	-5,800
Other Project Costs (OPC)	4,100	3,900	2,00	677	0	2,000	+2,000
Total Project Cost (TPC) 22-D-402	51,800	28,800	11,200	7,233	7,800	4,000	-3,800

23-D-404, 181D Export Water System Reconfiguration and Upgrade (RL-0201)

Total Estimate Cost (TEC)	0	8,450	26,999	548	0	0	0
Other Project Costs (OPC)	0	2,200	150	0	0	0	0
Total Project Cost (TPC) 23-D-404	0	10,650	27,149	548	0	0	0

23-D-405, 181B Export Water System Reconfiguration and Upgrade (RL-0201)

Total Estimate Cost (TEC)	57,379	1,120	0	117	1,168	0	-1,168
Other Project Costs (OPC)	4,528	1,180	462	0	0	0	0
Total Project Cost (TPC) 23-D-405	61,907	2,300	462	117	1,168	0	-1,168

Total	Prior Years	FY 2024 Enacted	FY 2024 Actuals	FY 2025 Enacted	FY 2026 Request	FY 2026 Request vs FY 2025 Enacted
-------	----------------	--------------------	--------------------	--------------------	--------------------	--

26-D-403, 200 East Potable Water Tank Replacement (RL-0201)

Total Estimate Cost (TEC)	31,188	1,510	0	0	0	0	0
Other Project Costs (OPC)	3,721	612	0	0	0	0	0
Total Project Cost (TPC) 26-D-xxx	34,909	2,122	0	0	0	0	0

24-D-401, ERDF Supercell 11 Expansion Project (RL-0013C)

Total Estimate Cost (TEC)	92,950	0	2,000	1,182	25,000	0	-25,000
Other Project Costs (OPC)	2,349	0	0	0	0	0	0
Total Project Cost (TPC) 24-D-401	95,299	0	2,000	1,182	25,000	0	-25,000

26-D-401, CH Processing Facility (RL-0013C)

Total Estimate Cost (TEC)	133,000	0	0	0	0	0	0
Other Project Costs (OPC)	12,000	475	2,942	2,942	1,500	0	-1,500
Total Project Cost (TPC) 26-D-401	145,000	475	2,942	2,942	1,500	0	-1,500

^aThese projects became construction line items in FY 2022. Previously, they were Minor Construction Projects.

**22-D-402, 200 Area Central Plateau Water Treatment Facility
Hanford, Richland, WA
Project is for Design and Construction**

1. Summary, Significant Changes and Schedule and Cost History

Summary:

The FY 2026 Budget Request is \$4,000,000, allocated as \$2,000,000 for Total Estimated Cost and \$2,000,000 for Other Project Cost. This funding will primarily support completion of construction, testing, facility turnover, and obtaining Critical Decision-4 approval from the Project Management Executive.

The project originated as a Reportable General Plant Project, submitted to Congress in 2017 as part of the Integrated Facilities and Infrastructure Cross Cut Budget. It was baselined as a Capital Asset Line-Item Project upon approval of Critical Decisions 2 and 3 on September 14, 2021.

A Federal Project Director has been assigned since the project's inception and has approved this Construction Project Data Sheet. A Level I Federal Project Director is being mentored by a Level II Federal Project Director for effective project management.

Background:

This funding supports the construction of a new 3,500,000 gallons per day water treatment facility for the Hanford Central Plateau, which will support fire suppression, operations, and domestic use while reducing risks related to the Direct-Feed Low-Activity Waste vitrification approach. Congressional control is at the Total Project Cost Level. This Construction Project Data Sheet updates the FY 2025 version and does not represent a new budget year start. Initially a minor construction project, its Total Estimated Cost exceeded the threshold, leading to Line-Item funding requests starting in FY 2022.

A 2016 Business Case Analysis (HNF-59975) recommended a filtration system pilot study and construction of a replacement water treatment facility. The L-897 Project, Central Plateau Water Treatment Facility, was initiated in FY 2017 and initially classified as a Reportable Minor Construction Project. Since then, the project has completed design and awarded a subcontract for filtration equipment and facility construction.

Increased costs, stemming from pandemic-related impacts on labor and commodities, as well as subcontractor claims, have pushed the Total Project Cost beyond the minor construction threshold of 50 USC 2743 (previously \$25,000,000; now \$34,000,000). Consequently, the project requires specific authorization and management as a Line-Item project, executed in accordance with DOE Order 413.3B.

The Central Plateau Water Treatment Facility design is complete, the performance baseline has been established and approved, and full construction has been authorized. The Total Project Cost has increased from \$47,800,000 to \$51,800,000 to incorporate potential risks, yielding a 90 percent confidence level estimate.

Significant Changes:

Capital Asset Line-Item Project Baseline Change Proposal-01, addressing cost/schedule impacts, was approved in May 2023. Realized risks, materials supply chain challenges/cost escalation, and increased construction support costs necessitated a \$7,800,000 Total Project Cost increase above the \$40,000,000 Total Project Cost

established at Critical Decision-2/3 approval. Baseline Change Proposal-01 also updated the risk-informed Critical Decision-4 date to Q1 FY 2026 from Q3 FY 2025. A follow-on Baseline Change Proposal-02 is pending and will be assessed for adjustments within the Project Data Sheet and outyear estimates, increasing the Total Project Cost estimate to \$51,800,000.

2. Critical Decision History

Fiscal Year (FY)	CD-0	Conceptual Design Complete	CD-1	CD-2	Final Design Complete	CD-2/3	CD-4	D&D Complete
FY 2022	N/A - See Note below	4/16/2018	N/A - See Note below		4/09/2020	9/14/2021	3QFY2024	N/A
FY 2023	2/22/2021	4/16/2018	N/A - See Note below	9/14/2021	4/09/2020	9/14/2021	3QFY2024	N/A
FY 2024	2/22/2021	4/16/2018	N/A - See Note below	9/14/2021	4/09/2020	9/14/2021	3QFY2025	N/A
FY 2025	2/22/2021	4/16/2018	N/A - See Note below	9/14/2021	4/09/2020	9/14/2021	3QFY2025	N/A
FY 2026	2/22/2021	4/16/2018	N/A - See Note below	9/14/2021	4/09/2020	9/14/2021	1QFY2026	N/A

Notes:

The Project experienced cost growth and became a Capital Asset Line-Item Project. A Critical Decision Implementation Strategy has been developed and approved that requires the generation of a Decision Memorandum. The purpose of the Decision Memorandum is to obtain Office of Environmental Management Principal Deputy Assistant Secretary (EM-2) approval of Critical Decision-0, "Approve Mission Need" for the 200 Area Water Treatment Facility and to designate the Project Management Executive for future Critical Decisions. As part of the strategy and because design was complete, it was agreed that the Project would not pursue a Critical Decision-1. Rather, the Critical Decision Implementation strategy requires the development, submittal and approval of a combined Critical Decision-2/3 package. The approved Critical Decision-2/3 package established the Project baseline as a Line-Item Capital Project and approve the Start of Construction for the Project.

CD-0 – Approve Mission Need.

CD-1 – Approve Alternative Selection and Cost Range.

CD-2 – Approve Performance Baseline.

CD-3 – Approve Start of Construction.

CD-4 – Approve Start of Operations or Project Completion.

D&D Start – Start of Decommissioning and Decontamination work.

D&D Complete – Completion of Decommissioning and Decontamination work.

3. Project Cost History

	(Dollars in thousands)						
	TEC, Design	TEC, Construction	TEC, Total	OPC, Except D&D	OPC, D&D	OPC, Total	TPC
FY 2022 Request	800	21,400	22,200	9,800	N/A	9,800	32,000

FY2023 Request	3,300	32,600	35,900	4,100	N/A	4,100	40,000
FY 2024 Request	3,300	40,400	43,700	4,100	N/A	4,100	47,800
FY 2025 Request	3,300	40,400	43,700	4,100	N/A	4,100	47,800
FY 2026 Request	3,300	TBD	TBD	TBD	N/A	TBD	TBD

4. Project Description, Scope and Justification

Scope:

The 200 Area Water Treatment Facility Project encompasses the planning, design, construction, testing, commissioning, and readiness of a new potable water treatment facility on the Hanford Central Plateau. Designed to produce a minimum of 3,500,000 gallons per day, the facility will utilize modular microfiltration hollow fiber direct feed membrane systems for filtration. Key performance parameter of this project is the successful delivery of 3,500,000 gallons per day. The scope includes provisions for potable and export water connections, sewer, electrical, Hanford Local Area Network connection, interior and exterior lighting, fire protection/detection systems and wastewater disposal infrastructure connected to a new facility.

Justification:

The existing Water Treatment Facility (designated as 283W) provides all potable water to the Central Plateau, supporting fire suppression, process operations, and domestic use. The 283W facility was constructed in 1944, the 283W facility has undergone several extensive infrastructure repairs and upgrades to the pretreatment equipment, filter nozzles and media, effluent confirmation and monitoring equipment, chlorination systems, flocculation system and storage clear wells. Despite these upgrades, some of the facility and internal components are those that were originally installed.

In addition to the deteriorating condition, sanitary water peak demands for the Central Plateau are projected to increase beyond the capacity of 283W, which is currently limited at 2,100,000 gallons per day or 1,500 gallons per minute. The 283W facility does have the ability to increase sufficient capacity commensurate with increased operation of Waste Treatment and Immobilization Plant's Low-Activity Waste Vitrification Facility for the Direct-Feed Low-Activity Waste program. However, if a situation arises in which all users of sanitary water need peak demand simultaneously, 283W would not be able to meet that demand. Further, 283W has not frequently run at or near full capacity for any extended period over the last 10 years. Recently, 283W has run two short duration tests (less than 48 hours), in which the facility was operating at 80% or greater of full capacity. However, with the initiation of Direct-Feed Low-Activity Waste operations, the facility will be required to operate near or at capacity 24 hours a day, 7 days a week.

Key Performance Parameters:

The new Central Plateau Water Treatment Facility can provide potable water at up to 3,500,000 gallons of per day while supporting and sustaining sanitary water demands on the Central Plateau.

The new Central Plateau Water Treatment Facility shall provide water quality levels that comply with WAC 246-290, Group A Public Water Supplies.

5. Financial Schedule

(Dollars in thousands)			
	Appropriations ¹	Obligations	Costs ²
Total Estimated Cost (TEC)			
Design			
FY 2018	0	0	1
FY 2019	1,600	1,600	1,603
FY 2020	1,100	1,100	1,086
FY 2021	600	600	605
FY 2022	0	0	5
Total, Design	3,300	3,300	3,300
Construction			
FY 2020	200	200	200
FY 2021	3,100	3,100	2,529
FY 2022	11,800	11,800	12,121
FY 2023	6,500	6,500	10,913
FY 2024	11,000	11,000	11,741
FY 2025	7,800	7,800	4,896
FY 2026	2,000	2,000	0
Total, Construction	42,400	42,400	42,400
TEC			
FY 2018	0	0	1
FY 2019	1,600	1,600	1,603
FY 2020	1,300	1,300	1,286
FY 2021	3,700	3,700	3,134
FY 2022	11,800	11,800	12,126
FY 2023	6,500	6,500	10,913
FY 2024	11,000	11,000	11,741
FY 2025	7,800	7,800	4,896
FY 2026	2,000	2,000	0
Total TEC	45,700	45,700	45,700
Other Project Cost (OPC)			
OPC except D&D			
FY 2018	400	400	392
FY 2019	0	0	2
FY 2020	50	50	34
FY 2021	50	50	53
FY 2022	1,000	1,000	383
FY 2023	2,400	2,400	556
FY 2024	200	200	1,606
FY 2025	0	0	2,396
FY 2026	2,000	2,000	678
Total OPC except D&D	6,100	6,100	6,100

(Dollars in thousands)

	Appropriations ¹	Obligations	Costs ²
Total Project Cost (TPC) (Line Item only)			
FY 2018	400	400	393
FY 2019	1,600	1,600	1,605
FY 2020	1,350	1,350	1,320
FY 2021	3,750	3,750	3,187
FY 2022	12,800	12,800	12,509
FY 2023	8,900	8,900	11,469
FY 2024	11,200	11,200	13,347
FY 2025	7,800	7,800	7,292
FY 2026	4,000	4,000	678
Total	TBD	TBD	TBD

- 1) Appropriations for FY2018-2021 are Operating Expense funds.
- 2) Prior year costs have been updated to better reflect actual costs.

6. Details of Project Cost Estimate

(Dollars in thousands)

	Current Total Estimate	Previous Total Estimate	Original Validated Baseline
Total Estimated Cost (TEC)			
Design	3,300	3,300	3,300
Contingency	0	0	0
Total, Design	3,300	3,300	3,300
Construction	34,953	32,953	28,300
Contingency	7,447	7,447	4,300
Total, Construction	42,400	40,400	32,600
Total, TEC	45,700	43,700	35,900
Contingency, TEC	7,447	7,447	4,300
Other Project Cost (OPC)			
OPC except D&D	5,986	3,986	3,900
Design	0	0	0
Contingency	114	114	200
Total, OPC	6,100	4,100	4,100
Contingency, OPC	114	114	200
Total, TPC	51,800	47,800	40,000
Total Contingency	7,561	7,561	4,500

7. Schedule of Appropriation Requests

		Prior Years	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	Total
FY 2022 Request	TEC	11,000	7,800	0	3,400	0	0	22,200
	OPC	3,300	5,000	0	1,500	0	0	9,800
	TPC	14,300	12,800	0	4,900	0	0	32,000
FY 2023 Request	TEC	6,600	11,800	6,500	11,000	0	0	35,900
	OPC	500	1,000	2,400	200	0	0	4,100
	TPC	7,100	12,800	8,900	11,200	0	0	40,000
FY 2024 Request	TEC	6,600	11,800	6,500	11,000	7,800	0	43,700
	OPC	500	1,000	2,400	200	0	0	4,100
	TPC	7,100	12,800	8,900	11,200	7,800	0	47,800
FY 2025 Request	TEC	6,600	11,800	6,500	11,000	7,800	0	43,700
	OPC	500	1,000	2,400	200	0	0	4,100
	TPC	7,100	12,800	8,900	11,200	7,800	0	47,800
FY 2026 Request	TEC	6,600	11,800	6,500	11,000	7,800	2,000	TBD
	OPC	500	1,000	2,400	200	0	2,000	TBD
	TPC	7,100	12,800	8,900	11,200	7,800	4,000	TBD

Note: FY 2018 – FY 2021 appropriations not previously requested as part of Capital Line Item. As noted above, project was proceeding as a reportable General Plant Project and therefore funds were provided as part of operating budget.

8. Related Operations and Maintenance Funding Requirements

Start of Operation or Beneficial Occupancy (fiscal quarter or date) Q1 FY 2026
Expected Useful Life (number of years) 50 years
Expected Future Start of D&D of this capital asset (fiscal quarter) Q1 FY 2076
No Operations and Maintenance Funds are included in Line-Item request.

	Annual Costs		Life Cycle Costs (based on 50-year period)	
	Current Total Estimate	Previous Total Estimate	Current Total Estimate	Previous Total Estimate
Storage Operations	2,090	2,090	104,500	104,500
Utilities	0	0	0	0
Maintenance & Repair	364	364	18,200	18,200
Total (See Note 1)	2,454	2,454	122,700	122,700

Note 1: Costs are not escalated for future years.

9. Decontamination and Decommissioning Information

Upon retirement of the new Central Plateau Water Treatment Facility, the facility will be turned over to another Hanford Site Contractor for Decontamination and Decommissioning. Identity of Contactor and timing will be dependent upon status of the Site mission at that time.

The location of this construction project is an environmental management closure site and, therefore, is exempt from the "one-for-one" requirement.

10. Acquisition Approach

DOE has directed the Hanford Infrastructure prime contractor to execute and manage this project for safety and cost-effectiveness, leveraging existing site expertise and contract efficiencies. The Hanford Infrastructure prime contractor serves as the Design Authority, responsible for establishing design requirements, ensuring design accuracy, and maintaining design control throughout the process, regardless of whether the work is performed in-house or subcontracted. The Design Authority controls and monitors each design tier.

Subcontracts have been and continue to be competitively awarded by the Hanford Infrastructure prime contractor. Awarded subcontracts include:

1. Design: The final design for the facility has been completed, approved, and issued.
2. Construction: The construction subcontract award has been made.
3. Pall Membrane Filtration Equipment: A non-competitive procurement has been awarded. The Pall Membrane Filtration equipment has been received on site and is ready for installation. The procurement also includes Pall support during construction acceptance testing of the equipment.
4. Third Party Integrator: A competitive Basic Order Agreement procurement has been placed for hardware-software integration.

Subcontracting strategies for any other services will be determined based on the circumstances and work scope of each critical decision.

River Protection

Overview

The U.S. Department of Energy supports the cleanup of radioactive and chemical waste resulting from the Manhattan Project and Cold War activities. The mission of this element of the Department's Hanford Field Office is to retrieve radioactive and chemical waste stored in underground tanks at the Hanford site, treat the waste to standards that are protective of human health and the environment, prepare the waste for permanent disposal, close the tanks, and decommission the treatment facilities. Other site operations, infrastructure support, non-tank remediation and decommissioning, decontamination and demolition activities are supported under the Richland Operations budget element.

The 586-square-mile Hanford Site is located along the Columbia River in southeastern Washington State and is home to the world's first plutonium production complex. More than 40 years of plutonium production also yielded a challenging nuclear waste legacy—approximately 56 million gallons of radioactive and chemical waste stored in 177 underground tanks in close proximity to the Columbia River. To date, waste retrieval has been completed in 21 single-shell tanks with two in progress.

The Department is committed to treating all Hanford tank waste safely and effectively. The Department is on track to initiate tank waste treatment via the Direct-Feed Low-Activity Waste approach no later than 2025, which aligns with the Amended Consent Decree and Tri-Party Agreement. This strategy allows the Department to address the most risk in the tank waste in the near term by feeding low-activity waste directly from the tank farms to the Waste Treatment and Immobilization Plant's Low-Activity Waste Vitrification Facility using a Tank-Side Cesium Removal system. Beginning some tank waste treatment in the near term will reduce environmental risks and better inform collaboration between the Department and the State of Washington on a safe, viable path forward for all of Hanford's tank waste.

The direct maintenance and repair activities at the Hanford Field Office tank waste mission are estimated to be \$213,200,000 in fiscal year (FY) 2026.

Highlights of the FY 2026 Budget Request

The FY 2026 budget request supports continued progress toward important cleanup required by the Amended Consent Decree and Tri-Party Agreement. The budget request is focused on the hot commissioning, operations, and enhancement of the Direct-Feed Low-Activity Waste strategy's capabilities, as well as supporting the integration and operations of the Direct-Feed Low-Activity Waste system. The request also supports safe operations, including a robust Tank Integrity Program of the tank farms to protect workers, the public, and the environment; meet regulatory commitments; and enable the development and maintenance of infrastructure necessary to enable waste treatment operations. The request supports the initiation of design, field preparation, and regulatory activities for the 200 West Area tank waste treatment mission, including retrievals and treatment. The work at the Waste Treatment and Immobilization Plant's High-Level Waste Vitrification Facility will also continue to advance facility design and, for those systems at 90 percent design complete.

Funding is also requested for the following capital projects:

- 15-D-409, Low-Activity Waste Pretreatment System, to support construction of the Advanced Modular Pretreatment System (15-D-409-02). The Advanced Modular Pretreatment System is a follow-on tank waste pretreatment capability to the Tank-Side Cesium Removal Demonstration Subproject (15-D-409-01), which began operations in January 2022.
- 23-D-403, Hanford 200 West Area Tank Farms Risk Management Project, to mitigate risks and add operational capabilities to enable near-term retrievals, treat tank waste, and manage double-shell tank space in the 200 West Area Tank Farms.

FY 2025 - FY 2026 Key Milestones/Outlook

The following listing represents key milestones included in the Tri-Party Agreement, the Amended Consent Decree, and the August 2022 Agreed Order for performance in FY 2025 and FY 2026.

- (October 2024) A-022-11; Completed System Plan 10 Milestone Negotiations for the Retrieval of Tanks 241-T-111 and 241-B-109.²
- (October 2024) M-045-92AH; Submitted Yearly Reports Summarizing the Results of Maintenance and Performance Monitoring Activities.
- (November 2024) D-00A-08; Started Low-Activity Waste Facility Cold Commissioning.
- (July 2025) M-062-46; Negotiate Tank Waste Retrieval Sequencing and Milestones.
- (August 2025) D-00A-09; Low-Activity Waste Facility Hot Commissioning Complete.¹
- (August 2025) A-022-07; Submit Interim Barrier Design for T Tank Farm.²
- (September 2025) M-045-91E6; Provide Single-Shell Tank Farms Dome Deflection Surveys Every Two Years to Ecology.
- (September 2025) M-045-102; Submit to Ecology a Performance Assessment Maintenance Plan for the Waste Management Area A/AX Performance Assessment.
- (October 2025) M-045-92AI; Submit Yearly Reports Summarizing the Results of Maintenance and Performance Monitoring Activities.
- (October 2025) M-062-40K; Submit System Plan to Ecology.
- (December 2025) M-062-64; Make Alternative Selection for Facilities/Infrastructure for Off-Site Disposal of Low-Activity Waste.
- (June 2026) M-062-60; Submit Disposition Pathways Evaluation for Spent IX Columns as Primary Document to Ecology.
- (August 2026) A-022-08; Submit Interim Barrier Design for B Tank Farm.²
- (August 2026) M-062-56; Submit Permit Application for Design and Construction of the Low Activity Waste Pretreatment Capability.

¹ On December 10, 2020, the US District Court Eastern District of Washington issued an order modifying the amended Consent Decree in *State of Washington v. Brouillette, et al.*, No.2:08-cv-5085-RMP (E.D. Wash.) documenting methods for calculating an extension of several milestones to offset work interruptions due to the coronavirus disease 2019 (COVID-19) concerns and resulting impacts. The force majeure per Consent Decree approved approach was amended by the court on July 18, 2022, adding 579 days to the milestones.

² In August 2022 the Department and the Washington State Department of Ecology signed an Agreed Order to respond to two leaking underground waste tanks and respond to potential future leaks at the Hanford Site.

Regulatory Framework

The Department, the U.S. Environmental Protection Agency, and the Washington State Department of Ecology signed a comprehensive cleanup and compliance agreement on May 15, 1989. The *Hanford Federal Facility Agreement and Consent Order*, or Tri-Party Agreement, is an agreement for achieving compliance with the *Comprehensive Environmental Response, Compensation, and Liability Act* remedial action provisions and the *Resource Conservation and Recovery Act* treatment, storage, and disposal unit regulations and corrective action provisions, subject to the Department's *Atomic Energy Act* authority. The Tri-Party Agreement is a framework for implementing many of the environmental regulations that apply to Hanford. More specifically, the Tri-Party Agreement includes, but is not limited to cleanup commitments and enforceable milestones to achieve regulatory compliance and remediation.

In addition, the Hanford Field Office's activities must also comply with a federal court Amended Consent Decree that addresses designated Waste Treatment and Immobilization Plant construction and startup activities and retrieval of specified single-shell tanks. This decree was entered into court on October 25, 2010, in the case of State of Washington and Oregon v. United States Department of Energy, No. 08-5085 (E.D. Wash.). The Consent Decree was amended in 2016 (herein the Amended Consent Decree) which pushed out the hot commissioning of the Waste Treatment and Immobilization Plant's Low Activity Waste Vitrification Facility by three years to 2023 and High-Level Waste Vitrification Facility hot commissioning by 14 years to 2033; and Waste Treatment and Immobilization Plant initial operations by 14 years to 2036.

In December 2020, the U.S. District Court Eastern District of Washington issued an order modifying amended Consent Decree documenting method for calculating an extension of several milestones to offset work interruptions due to the coronavirus disease 2019 (COVID-19) concerns and resulting impacts. In July 2022, the United States District Court, Eastern District of Washington issued an order modifying the Amended Consent Decree on the basis that COVID-19 constituted a force majeure event. The order established an extension of the B-2, B-3, A-7, A-8, and A-9 milestones to offset work interruptions due to COVID-19.

In August 2022 the Department and the Washington State Department of Ecology signed an Agreed Order to respond to two leaking underground waste tanks and respond to potential future leaks at the Hanford Site. This Order established a schedule to implement near-term corrective actions and to undertake long-term leak response planning and development as needed to effectively respond to these and any future leaking single-shell tanks at the Hanford Site.

In April 2024, the U.S. Department of Energy, Washington State Department of Ecology, and the U.S. Environmental Protection Agency reached an agreement that proposed a realistic and achievable course for cleaning up millions of gallons of radioactive and chemical waste from large, underground tanks at the Hanford Site. Following voluntary, mediated negotiations that began in 2020, also known as Holistic Negotiations, the agencies signed a settlement agreement and proposed new and revised cleanup deadlines in the Tri-Party Agreement and Consent Decree. Changes to milestones and deadlines were finalized in January 2025 after the public comment period was completed, a response to comments was issued, the federal district court accepted the proposed amendments to the consent decree, and the agencies implemented the proposed revisions.

Contractual Framework

Program planning and management at the Hanford Field Office is conducted through the issuance and execution of contracts to large and small businesses. The Hanford Field Office develops near- and long-term planning approaches to develop contract strategies and program/project plans at a more detailed level. Selected contractors then execute these plans to complete cleanup in accordance with the terms of the contracts.

Current contracts supporting the tank-waste mission at the site include the following:

- Bechtel National, Inc., provides the personnel, materials, supplies, and services and otherwise do all things necessary and incident to designing, constructing, and commissioning the Hanford Tank Waste Treatment and Immobilization Plant. This is a Cost-Plus Award-Fee Contract, with award and multiple fee incentives. This is a completion contract. The period of performance for this Contract is currently December 11, 2000, through June 30, 2025. A revised period of performance will be established following completion of 90 percent design of the HLW Facility and negotiations. Expected extension through 09/30/2027.
- Hanford Tank Waste Operations and Closure LLC is responsible for safely managing and maintaining 177 underground waste tanks, tank waste retrieval, construction and operation of the Tank-Side Cesium Removal and follow-on technology, delivery of feed and operations of the Waste Treatment and Immobilization Plant in the Direct-Feed Low-Activity Waste configuration, and the 200 West Area tank waste treatment mission. The Waste Treatment and Immobilization Plant's operations include the integrated operation of multiple facilities, including the Low-Activity Waste Vitrification Facility, Analytical Laboratory,

Effluent Management Facility, and Balance of Facilities (i.e., supporting buildings and utilities). The period of performance for this Contract is currently February 29, 2024, through February 28, 2034. It is an Indefinite-Delivery/Indefinite Quantity Contract under which Cost-Reimbursement and/or Fixed-Price Task Orders may be issued.

- Hanford Laboratory Management and Integration LLC is responsible for safely managing the Hanford 222-S Laboratory complex that provides Hanford contractors with analytical support, including inorganic chemistry, organic chemistry, radiochemistry and scientific research for the storage and treatment of highly radiological tank waste on the Hanford Site. The 222-S Laboratory contract base period is from January 5, 2021, through January 4, 2026. Option period 1 is from January 5, 2026, through January 4, 2027, and option period 2 is from January 5, 2027, through January 4, 2028. It is a performance-based contract that includes Cost-Plus-Award-Fee and Cost Reimbursable (non-fee bearing) contract line-item numbers.

Strategic Management

The Department continues to focus on treating all Hanford tank waste safely and effectively by continuing to progress the Direct-Feed Low-Activity Waste approach to the near-term vitrification of low-activity tank waste. To that end, the Department is optimizing Direct-Feed Low-Activity waste operations via extended hot commissioning of the Waste Treatment and Immobilization Plant's Low-Activity Waste Vitrification Facility, along with the Effluent Management Facility, Balance of Facilities and Analytical Laboratory.

Work continues to define and procure long-lead consumables and spare parts required to continue operations of the Direct-Feed Low-Activity Waste system. The remaining Waste Treatment and Immobilization Plant facilities, the High-Level Waste Vitrification Facility, and the Pretreatment Facility, will be isolated from the Direct-Feed Low-Activity Waste operational facilities. The Pretreatment Facility will continue preservation maintenance activities. The High-Level Waste Vitrification Facility will continue to advance design and focus construction activities on building enclosure.

The Department reached an agreement with the State of Washington on a safe, realistic and achievable path forward for Hanford's tank waste mission for the next 15-20 years. The agreement includes an achievable path forward for treating high-level waste starting with a "direct-feed" approach, and the use of grout for safe disposition of treated low-activity tank waste outside of the state following retrieval from single-shell tanks in the 200 West Area in the S, SX, and U Tank Farms.

River Protection

Funding (\$K)

	FY 2024 Enacted	FY 2025 Enacted	FY 2026 Request	FY 2026 Request vs FY 2025 Enacted \$	FY 2026 Request vs FY 2025 Enacted (%)
Defense Environmental Cleanup					
Office of River Protection					
Tank Farm Activities					
ORP-0014 / Radioactive Liquid Tank Waste Stabilization and Disposition Operating	994,691	847,065	923,212	+76,147	+9%
15-D-409: Low-Activity Waste Pretreatment System	60,000	37,500	78,600	+41,100	+110%
23-D-403: Hanford 200 West Area Tank Farms Risk Management Project	15,309	37,809	108,200	+70,391	+186%
	1,070,000	922,374	1,110,012	+187,638	+20%
Waste Treatment and Immobilization Plant					
ORP-0060 / Major Construction-Waste Treatment Plant Construction					
01-D-16E: Pretreatment Facility	20,000	0	0	+0	0%
01-D-416: Waste Treatment and Immobilization Plant, RL	600,000	600,000	600,000	+0	0%
18-D-16: Waste treatment and immobilization plant LBL/Direct feed LAW	150,000	250,000	0	-250,000	-100%
	770,000	850,000	600,000	-250,000	-29%
ORP-0070 / Waste Treatment Plant Commissioning	50,000	165,003	390,415	+225,412	+137%
Subtotal, Waste Treatment and Immobilization Plant	820,000	1,015,003	990,415	+170,415	+21%
Total, River Protection	1,890,000	1,937,377	2,100,427	+163,050	+8%

River Protection
Explanation of Major Changes (\$K)

	FY2025 Enacted	FY2026 Request	FY 2026 Request vs FY 2025 Enacted
Defense Environmental Cleanup			
Office of River Protection			
Tank Farm Activities			
ORP-0014 / Radioactive Liquid Tank Waste Stabilization and Disposition			
• The increase is primarily attributed to a ramp up of tank farms and Direct-Feed Low-Activity Waste operations, including Tank-Side Cesium Removal, AP-Farm activities, and campaigns at the 242-A Evaporator and the Effluent Treatment Facility. The remainder of the increase is attributable to long-lead procurements and construction activities associated with the Advanced Modular Pretreatment System (15-D-409-02) and the 200 West Area Risk Management Project (23-D-403), as well as completion of the Interim Surface Barrier at T Tank Farm.	922,374	1,110,012	+187,638
Waste Treatment and Immobilization Plant			
ORP-0060 / Major Construction-Waste Treatment Plant			
• The decrease reflects the completion of the Direct-Feed Low-Activity Waste segment of the project.	850,000	600,000	-250,000
ORP-0070 / Waste Treatment Plant Commissioning			
• The increase is needed to support Hot Commissioning activities of the Direct-Feed Low-Activity Waste Vitrification Facility, and operations of the Waste Treatment and Immobilization Plant Analytical Laboratory, the Balance of Facilities, and the Effluent Management Facility.	165,003	390,415	+225,412
Total, River Protection	1,937,377	2,100,427	+163,050

Radioactive Liquid Tank Waste Stabilization and Disposition (ORP-0014)

Overview

This PBS can be found within the Defense Environmental Cleanup appropriation.

This project includes activities required to manage and stabilize approximately 56 million gallons of radioactive waste stored underground in 177 tanks, including retrieval, treatment, and disposal. To date, waste retrieval has been completed in 21 single-shell tanks with two in progress. Ultimately, most of the waste must be processed to a form suitable for disposal.

This PBS includes planning, design, construction, and operation of new facilities and equipment necessary for waste feed delivery from tank farms to the Waste Treatment and Immobilization Plant to meet the milestone date of August 1, 2025, for startup of the Low-Activity Waste Vitrification Facility as reflected in the Amended Consent Decree. It also includes required operations, maintenance, and upgrades of double-shell tank farms, retrieval operations in single-shell tank farms, the 242-A Evaporator, the Effluent Treatment Facility, and the 222-S Laboratory to manage the waste, support safe nuclear and environmentally compliant operations at Hanford, and enable Waste Treatment and Immobilization Plant operations.

This project also includes minor construction projects as well as direct maintenance and repair that are applicable to these areas.

Radioactive Liquid Tank Waste Stabilization and Disposition (PBS: ORP-0014)

Activities and Explanation of Changes

FY2025 Enacted	FY2026 Request	Explanation of Changes - FY 2026 Request vs FY 2025 Enacted
\$922,374,000	\$1,110,012,000	+\$187,638,000
Effluent Treatment Facility operation and maintenance - Provide treatment and disposal of liquid waste from Hanford site nuclear waste treatment and remediation processes, including the Hanford K-Basins, tank farms, and the Waste Treatment and Immobilization Plant. - Process liquid inventory to manage space in support of the Hanford mission.	Effluent Treatment Facility operation and maintenance - Provide treatment and disposal of liquid waste from Hanford site nuclear waste treatment and remediation processes to include the Hanford K-Basins, tank farms, and the Waste Treatment and Immobilization Plant. - Process liquid inventory to manage space in support of the Hanford mission.	The increase is primarily attributed to a ramp up of tank farms and Direct-Feed Low-Activity Waste operations, including Tank-Side Cesium Removal, AP-Farm activities, and campaigns at the 242-A Evaporator and the Effluent Treatment Facility. In addition, SY-Farm maintenance and activities to prepare for 200 West Area S, SX, and U farm retrievals will be initiated. The remainder of the increase is attributable to long-lead procurements and construction activities associated with the Advanced Modular Pretreatment System (15-D-409-02) and the 200 West Area Risk Management Project (23-D-403).

-
- Conduct maintenance activities to support continued use of the Effluent Treatment Facility, including auxiliary buildings.

Tank-Side Cesium Removal Operations

- Procure and fabricate additional ion-exchange columns to support Tank-Side Cesium Removal operations.
- Begin second campaign of pretreatment of supernatant through the Tank-Side Cesium Removal system in Tank AP-106 for Direct-Feed Low-Activity Waste operations.

Waste Feed Delivery

- Conduct pretreated waste transfers from Tank AP-106 for Low Activity Waste Treatment operations.
- Conduct maintenance activities in AP and AW Tank Farms to support Tank-Side Cesium Removal and 242-A Evaporator operations.
- Plan for mission execution strategies, including the next System plan.
- Complete double-shell tank transfers to support Tank-Side Cesium Removal and 242-A Evaporator operations.

Waste Treatment and Immobilization Plant and Direct-Feed Low-Activity Waste Support

- Support Direct-Feed Low-Activity Waste integration and operations.

242-A Evaporator operations

- Complete infrastructure upgrades to support operations.

Maintenance of Infrastructure and Aging Tanks

-
- Conduct maintenance activities to support continued use of the Effluent Treatment Facility, including auxiliary buildings.

Tank-Side Cesium Removal Operations

- Procure and fabricate additional ion-exchange columns to support Tank-Side Cesium Removal operations.
- Complete second campaign of pretreatment of supernatant through the Tank-Side Cesium Removal system in Tank AP-106 for Direct-Feed Low-Activity Waste operations.

Waste Feed Delivery

- Conduct pretreated waste transfers from Tank AP-106 for Low Activity Waste Treatment operations.
- Conduct maintenance activities in AP and AW Tank Farms to support Tank-Side Cesium Removal and 242-A Evaporator operations.
- Plan for mission execution strategies, including the next System plan.
- Complete double shell tank transfers to support Tank-Side Cesium Removal and 242-A Evaporator operations.

Waste Treatment and Immobilization Plant and Direct-Feed Low-Activity Waste Support

- Support Direct-Feed Low-Activity Waste integration and operations.

- Maintain functionality of critical facilities and equipment to support Direct-Feed Low-Activity Waste operations and the Hanford mission.

A Farm Retrievals

- Complete retrieval operations in Tank A-101 and initiate retrieval operations in Tank A-102.

Tank Closure

- Complete design of the Interim Surface Barrier for T Tank Farm.

Tank Farm Integrity Program to prolong the lifespan of aging tanks

- Perform annual visual and ultrasonic tank inspections of double- and single-shell tanks and chemistry controls to maintain structure and integrity of waste storage tanks.
- Conduct additional structural analysis to ensure tanks are structurally sound and regulatory compliant.

West Area Risk Management (23-D-403)

- Achieve Critical Decision-1 approval of the alternate selection and cost range for the treatment capability.

222-S Laboratory Operations

- Provide analytical services to the Hanford site in support of Direct-Feed Low-Activity Waste and other site operations.

Research and Development

- Support activities related to technology development initiatives aimed at accelerating the Hanford Tank Waste Mission.

Low Activity Waste Pretreatment System (15-D-409-02)

242-A Evaporator operations

- Complete two evaporator campaigns.

Maintenance of Infrastructure and Aging Tanks

- Maintain functionality of critical facilities and equipment to support Direct-Feed Low-Activity Waste operations and the Hanford mission.

A Farm Retrievals

- Complete Tank A-102 and initiate and complete Tank A-106 retrieval operations.
- Initiate Tank A-103 retrieval operations.

Tank Closure

- Complete design of the Interim Surface Barrier for B Tank Farm.

Tank Farm Integrity Program to prolong the lifespan of aging tanks

- Perform annual visual and ultrasonic tank inspections of double- and single-shell tanks and chemistry controls to maintain structure and integrity of waste storage tanks.
- Conduct additional structural analysis to ensure tanks are structurally sound and regulatory compliant.

S, SX, and U Farm Retrievals

- Initiate infrastructure design for S-Farm Retrievals.

West Area Risk Management (23-D-403)

- Complete preliminary design of the treatment capability.

-
- Achieve Critical Decision-1R approval for the Advanced Modular Pretreatment System.
 - Achieve 60% design for the Advance Modular Pretreatment System.

- Achieve Critical Decision-3A approval to conduct long-lead procurements, primarily for pretreatment modules.

222-S Laboratory Operations

- Provide analytical services to the Hanford site in support of Direct-Feed Low-Activity Waste and other site operations.
- Continue corrective maintenance and facility improvement projects.

Research and Development

- Support activities related to technology development initiatives aimed at accelerating the Hanford Tank Waste Mission.

Low Activity Waste Pretreatment System (15-D-409-02)

- Complete design of the process modules for the Advanced Modular Pretreatment System.
- Achieve Critical Decision-3A approval to conduct long-lead procurement(s).
- Achieve Critical Decision-2/3 to approve the project baseline and begin construction of the Advanced Modular Pretreatment System.

Major Construction-Waste Treatment Plant (PBS: ORP-0060)

Overview

This Project Base Line Summary (PBS) can be found within the Defense Environmental Cleanup appropriation.

The Waste Treatment and Immobilization Plant is critical to the completion of the Hanford tank waste program; it will provide the primary treatment capability to immobilize the radioactive and mixed radioactive and hazardous tank waste at the Hanford Site. The Waste Treatment and Immobilization Plant includes the following: Pretreatment Facility, High-Level Waste Vitrification Facility, Low-Activity Waste Vitrification Facility, Analytical Laboratory, Balance of Facilities, and an Effluent Management Facility. The Pretreatment Facility will separate the radioactive tank waste into low-activity and high-level radioactive waste fractions. The high-level radioactive waste fraction will be transferred to the High-Level Waste Vitrification Facility for immobilization to be made ready for placement into storage. A significant portion of the low-activity waste fraction will be immobilized in the Low-Activity Waste Vitrification Facility. The Department continues to perform studies for a supplemental treatment technology to be used to immobilize the remaining low-level radioactive waste not treated in the Low-Activity Waste Vitrification Facility. The Analytical Laboratory will provide real-time analytical support for plant operations. The Balance of Facilities includes office facilities, chemical storage, site utilities, and infrastructure required to support overall plant operations. The Effluent Management Facility will manage the high volume of water generated while retrieving and treating low-activity waste for disposal.

Major Construction-Waste Treatment Plant (PBS: ORP-0060)

Activities and Explanation of Changes

FY2025 Enacted	FY2026 Request	Explanation of Changes - FY 2026 Request vs FY 2025 Enacted
\$850,000,000	\$600,000,000	-\$250,000,000
Waste/Effluent Management Facility - Continue first Low-Activity Waste Facility melter heat-up and check out. - Continue second Low-Activity Waste Facility melter heat-up and check out. - Continue cold Commissioning Management Assessment. High-Level Waste Facility and Pretreatment Facility Engineering Design Activities: - Achieving 60% design on all 56 systems.	High-Level Waste Vitrification Facility and Pretreatment Facility Engineering Design Activities: - Continue 90% design for systems associated with chemical process, mechanical handling, Melter feed, off gas and ventilation systems. Engineering support to facilitate building enclosure. - Conduct system design reviews and integrated system verification reviews.	The decrease reflects the completion of the Direct-Feed-Low-Activity Waste segment of the project.

- Completing 90% design for sixteen systems covering Chemical, Melter Feed, Off gas and Ventilation systems and Facility Structural design.
- Conducting annual update to the Preliminary Documented Safety Analysis to maintain alignment with design.

Procurement Activities:

- Continue vendor awards for design for Melter Feed equipment and pumps, Ventilation Filter housing and equipment.

Maintenance/Construction Activities:

- Performing Preservation Maintenance.
- Continue Construction Planning and Material staging.
- Continue Subcontract Planning and initiate contractor mobilization.
- Initiate construction preparation to support ramp up.

Pretreatment facility:

- Supporting facility preservation and maintenance activities

- Complete design for ancillary support facilities needed to support High-Level Waste Facility Operations.
- Continue design development and implementation of changes associated with alternate tank waste feed routing to the High-Level Waste Vitrification Facility.
- Conduct annual update to the Preliminary Documented Safety Analysis to maintain alignment with design updates.

Procurement Activities:

- Complete vendor awards for plant equipment to support design completion and building enclosure, including mechanical handling process and utility system and ventilation equipment.

Maintenance/Construction Activities:

- Continue preservation maintenance.
- Continue long-term construction planning and material staging.
- Continue necessary procurements, staging of materials for future construction and construction activities to enclose (i.e., weather-in) the High-Level Waste Facility.
- Develop subcontract planning and continue contractor mobilization.
- Continue low-risk construction for those systems at 90 percent design.

Waste Treatment Plant Operations (PBS: ORP-0070)

Overview

This PBS can be found within the Defense Environmental Cleanup appropriation.

This PBS provides for the activities required to support the treatment of tank wastes in the Waste Treatment and Immobilization Plant including the implementation of the strategy of the Direct-Feed Low-Activity Waste approach, which is the first phase of operations. This includes the operational scope for the Low-Activity Waste Vitrification Facility, the Analytical Laboratory, the Balance of Facilities, and the Effluent Management Facility starting with hot commissioning after Critical Decision-4, "Approve Start of Operations or Project Completion" for those facilities.

This PBS also includes the procurement of necessary spare parts and consumable commodities necessary to support operations.

Waste Treatment Plant Commissioning (PBS: ORP-0070)

Activities and Explanation of Changes

FY2025 Enacted	FY2026 Request	Explanation of Changes - FY 2026 Request vs FY 2025 Enacted
\$165,003,000	\$390,415,000	+\$225,412,000
- Procure long lead spare parts and miscellaneous consumables to support operations. - Continue fabrication and assembly of spare melters for the Low-Activity Waste facility.	Continue extended Hot Commissioning to optimize and ramp up capability for Direct-Feed Low-Activity Waste operations, and operations of the Waste Treatment and Immobilization Plant Analytical Laboratory, the Balance of Facilities, and the Effluent Management Facility.	The increase is needed for Hot Commissioning activities of the Low-Activity Waste Vitrification Facility, and operations of the Waste Treatment and Immobilization Plant Analytical Laboratory, the Balance of Facilities, and the Effluent Management Facility.

Office of River Protection
Minor Construction (MC) Notification & Reporting (Use of Authority) (\$K)

Appr	Site	Icons 🔧 ⚙️ 📄	Project Title	Project Description	✓	✓			Original			Current		
					New Notif.	Auth. - Con. Design	Percent Complete		Project Start	Design Complete	Constr. Complete	Project Start	Design Complete	Constr. Complete
							Original TEC	Previous TEC	Current TEC	Current Constr. Design	Prior Years	FY 2024 Request	FY 2025 Request	FY 2026 Request
D	ORP	MC (TEC <\$5M)		NA			0	0	0	0	0	0	16,200	0
D	ORP	Tank Farms Operations Modular Trailer		10-wide modular trailer for personnel supporting tank waste pretreatment operations.			0%		FY 2025	FY 2025	FY 2026	FY 2025	FY 2025	FY 2026
							10,000	10,000	15,000	1,000	0	0	15,000	0
D	ORP	SY Farm Flush Water System		New SY Tank Farm water building to facilitate cross-site transfers, inter-farm transfers, and flushes.			0%		FY 2025	FY 2025	FY 2027	FY 2025	FY 2025	FY 2027
							23,600	23,600	23,600	2,220	0	0	23,600	0
D	ORP	242-A Evaporator Electrode Boilers		Additions and upgrades to the 242-A Boiler Annex and associated steam system, including conversion from diesel to electric power.			0%		FY 2026	FY 2027	FY 2028	FY 2028	FY 2029	FY 2030
							16,400	16,400	16,400	800	0	0	16,400	0
D	ORP	242-A Evaporator Slurry Sampling Station		Upgrade the slurry sampling station and associated piping connections and controls. Existing components (isolation valves and flowmeter) have limited life and are showing increasing signs of deterioration. Project provides a new slurry sample station and a mockup slurry sample station.			0%		FY 2025	FY 2026	FY 2027	FY 2025	FY 2026	FY 2027
							5,000	5,000	5,000	1,000	0	0	5,000	0
D	ORP	200 East Area Administration Trailer		Design, procure, place and turnover a new administration trailer to support Tank Operations Contract 24/7 Direct-Feed Low-Activity Waste Operations.	✓		0%		FY 2025	FY 2025	FY 2026	FY 2025	FY 2025	FY 2026
							10,000	NA	10,000	1,000	0	0	0	10,000
D	ORP	Tank Farms Transfer Line Water Flush Capability		Design, fabricate, install, test and turnover a permanent inhibited water flush system for the 200 East Area waste transfer system in order to further mitigate corrosion and ensure reliant operability in support of 24/7 Direct-Feed Low-Activity Waste Operations.	✓		0%		FY 2026	FY 2027	FY 2028	FY 2026	FY 2027	FY 2028
							10,000	NA	10,000	2,000	0	0	0	10,000

D	ORP	222-S Ancillary Equipment Addition (Lab Operations Center)	New lab operations center to include new locker rooms, showers, lunchroom, and conference rooms, replacing failing infrastructure in the western portion of 222-S.	0%		FY 2025	FY 2026	FY 2027	FY 2025	FY 2026	FY 2027
				11,920	11,920	17,780	1,700	0	0	17,780	0
D	ORP	222-S Standards Laboratory	Building to prepare calibration standards for analytical methods and receive and store chemicals used in performing analytical techniques within the 222 S Laboratory.	0%		FY 2025	FY 2026	FY 2028	FY 2027	FY 2027	FY 2028
				7,800	7,800	7,800	740	0	0	7,800	0
D	ORP	222-S Ancillary Equipment Remodel	Facility remodel with manipulator repair stations, manipulator storage, and radiological and analytical support areas.	0%		FY 2025	FY 2026	FY 2028	FY 2025	FY 2026	FY 2028
				7,800	7,800	7,800	740	0	0	7,800	0
	ORP		SUBTOTAL	102,520	82,520	113,380	11,200	0	0	93,380	20,000

**Office of River Protection
Construction Projects Summary (\$K)**

Total	Prior Years	FY 2024 Enacted	FY 2024 Actuals	FY 2025 Enacted	FY 2026 Request	FY 2026 Request vs FY 2025 Enacted
-------	----------------	--------------------	--------------------	--------------------	--------------------	--

Waste Treatment and Immobilization Plant, Hanford WA (ORP-0060)

18-D-16, Waste Treatment and Immobilization Plant LBL/Direct Feed LAW

Total Estimate Cost (TEC)	9,152,700	8,752,700	150,000	483,846	250,000	0	250,000
Other Project Costs (OPC)	0	0	0	0	0		0
<i>01-D-16D, High-Level Waste Facility</i>							
Total Estimate Cost (TEC)	5,167,391	3,367,391	600,000	351,415	600,000	600,000	0
Other Project Costs (OPC)	0	0	0	0	0		0
<i>01-D-16E Pretreatment Facility</i>							
Total Estimate Cost (TEC)	3,817,050	3,797,050	20,000	4,200	0	0	0
Other Project Costs (OPC)	0	0	0	0	0		0
Total Estimate Cost (TEC)	18,137,141	15,917,141	770,000	839,461	850,000	600,000	- 250,000
Other Project Costs (OPC)	0	0	0	0	0	0	0
Total Project Cost (TPC) 01-D-416	18,137,141	15,917,141	770,000	839,461	850,000	600,000	- 250,000

23-D-403 200 West Area Tank Farms Risk Management Project (ORP-0014)

Total Estimated Cost (TEC)	TBD	4,408	15,309	0	37,809	108,200	+70,391
Other Project Cost (OPC)	TBD	4,500	5,000	5,462	6,000	18,900	+12,900
Total Project Cost (TPC) 23-D-403	TBD	8,908	20,309	5,462	43,809	127,100	+83,291

15-D-409 Low-Activity Waste Pretreatment System (ORP-0014)

Total Estimated Cost (TEC)	TBD	320,053	60,000	2,598	37,500	78,600	+41,100
Other Project Cost (OPC)	TBD	23,481	7,700	3,444	3,875	15,400	+11,525

Total Project Cost (TPC) 15-D-409	TBD	343,534	67,700	6,042	41,375	94,000	+52,625
-----------------------------------	-----	---------	--------	-------	--------	--------	---------

**01-D-416, Waste Treatment and Immobilization Plant
Hanford, (ORP-0060)
Project is for Design and Construction**

1. Summary, Significant Changes, and Schedule and Cost History

Summary

The Waste Treatment and Immobilization Plant Project has Congressional control at the Total Project Cost level.

The FY 2026 budget request for the Waste Treatment and Immobilization Plant is \$600,000,000 to continue to advance the High-Level Waste and associated support facility design and limited construction for those systems at 90 percent design complete.

On December 15, 2016, the Deputy Secretary of Energy approved the direct-feed low-activity waste configuration approach modification, which established hot commissioning and a project execution plan (Critical Decision 4a) to commence no later than August 31, 2023. Subsequent to the approval, Contract No. DE-AC27-01RV14136, Design, Construction, and Commissioning of the Hanford Tank Waste Treatment and Immobilization Plant, was modified to reflect the focus on direct-feed low-activity waste scope. The current strategy is to complete the direct-feed low-activity waste facility, then complete the High-Level Waste facility. Once the High-Level Waste facility has reached 90% design completion, a performance baseline for the balance of the High-Level Waste facility construction and commissioning will be initiated. Once the High-Level Waste facility performance baseline is complete, the construction project data sheet will be formally revised and submitted to Congress.

The U.S. Department of Energy continues startup testing and commissioning of the Low-Activity Waste Facility, Analytical Laboratory, and Balance of Facilities. For the High-Level Waste Facility, the Department is advancing design, procurement, and low-risk construction activities. For the Pretreatment Facility the Department continues preservation and maintenance of the facilities and associated equipment, components, and material. While the Department remained focused on meeting the milestones contained in the Court's March 11, 2016, Amended Consent Decree, to include the near-term December 31, 2023, Low-Activity Waste Facility hot commissioning complete milestone, the novel coronavirus disease 2019 pandemic was a force majeure event creating work interruptions at the Hanford Site. The Court's new Amended Consent Decree, dated July 18, 2022, granted a 579-day extension to this milestone and has moved the Low-Activity Waste Facility hot commissioning complete milestone to August 1, 2025. The direct-feed low-activity waste portion of the project has experienced both cost and schedule delays associated with coronavirus disease 2019 (e.g., workforce impacts and supply chain shortages). The project continues to work towards achieving the milestones as soon as possible and within the approved total project cost.

The Waste Treatment and Immobilization Plant project was initiated in fiscal year 2001. This construction project data sheet is an update of the FY 2025 construction project data sheet.

The most recent DOE O 413.3B, Program and Project Management for the Acquisition of Capital Assets, approved critical decision is Critical Decision 3, which was approved on April 21, 2003.

A certified Federal Project Director is leading the Waste Treatment and Immobilization Plant project which includes the direct feed Low-Activity Waste and direct feed High-Level Waste segments.

On July 18, 2022, the Court granted the amendment of the Consent Decree on the basis that the novel coronavirus disease 2019 pandemic being a force majeure event that created work interruptions at the Hanford Site, justifying amendment under Section VII.E (Force Majeure) of the Consent Decree. ECF No. 258 at 2–8. According to the Court-approved method for calculating schedule extensions in this circumstance, the

remobilization period between March 23, 2020, and March 13, 2022, warranted a 579-day extension to the B-2, B-3, A-7, A-8, and A-9 milestones.

Due to COVID-19 impacts, safety, quality, and management issues the Department has determined that the completion of the Waste Treatment and Immobilization Plant Project will exceed the currently approved total project cost and the project completion date (Critical Decision-4a).

In 2019, the Department formally notified the State of Washington that some longer-term milestones in the Consent Decree (as amended), concerning the Pretreatment and High-Level Waste facilities may be at serious risk based on a multitude of factors including escalating costs. The Department, in coordination with the State of Washington, initiated an Analysis of Alternatives for High-Level Waste, which was completed and issued for public feedback in 2023. The High-Level Waste Analysis of Alternatives has also informed ongoing mediated “holistic negotiations” between the Department, the State of Washington, and the U.S. Environmental Protection Agency regarding the path forward for tank waste retrieval and treatment at Hanford.

Significant Changes

On April 29, 2024, the U.S. Department of Energy, Washington State Department of Ecology, and the U.S. Environmental Protection Agency announced an agreement in the form of a Settlement Agreement with proposed changes to the Tri-Party Agreement and the Consent Decree, as amended, including to the milestones associated with High-Level Waste processing.

Critical Milestone History

Fiscal Quarter or Date

	CD-0	CD-1	CD-2	Final Design Complete	CD-3	D&D Complete	CD-4
FY 2001	09/1995	09/1996	AUG 1998	4Q FY 2005	OCT 2001	N/A	1Q FY 2007
FY 2002	09/1995	09/1996	4Q FY1998	4Q FY 2005	MAY 2002	N/A	1Q FY 2007
FY 2003	09/1995	09/1996	4Q FY1998	4Q FY 2005	MAY 2002	N/A	1Q FY 2007
FY 2004	09/1995	09/1996	4Q FY1998	4Q FY 2005	MAY 2002	N/A	1Q FY 2007
FY 2003 Congressional Notification	09/1995	09/1996	04/21/2003	4Q FY 2005	04/21/2003	N/A	3Q FY 2008
FY 2005	09/1995	09/1996	04/21/2003	4Q FY 2005	04/21/2003	N/A	3Q FY 2008
FY 2004 Reprogramming	09/1995	09/1996	04/21/2003	4Q FY 2005	04/21/2003	N/A	3Q FY 2008
FY 2006	09/1995	09/1996	04/21/2003	4Q FY 2007	04/21/2003	N/A	3Q FY 2008
FY 2007	09/1995	09/1996	04/21/2003	4Q FY 2007	04/21/2003	N/A	3Q FY 2008
FY 2008	09/1995	09/1996	04/21/2003	4Q FY 2010	04/21/2003	N/A	2Q FY 2017
FY 2009	09/1995	09/1996	04/21/2003	4Q FY 2013	04/21/2003	N/A	1Q FY 2020
FY 2010	09/1995	09/1996	04/21/2003	1Q FY 2016	04/21/2003	N/A	1Q FY 2020
FY 2011	09/1995	09/1996	04/21/2003	1Q FY 2016	04/21/2003	N/A	1Q FY 2020
FY 2012	09/1995	09/1996	04/21/2003	1Q FY 2016	04/21/2003	N/A	1Q FY 2020

	CD-0	CD-1	CD-2	Final Design Complete	CD-3	D&D Complete	CD-4
FY 2013	09/1995	09/1996	04/21/2003	1Q FY 2016	04/21/2003	N/A	1Q FY 2020
FY 2014	09/1995	09/1996	04/21/2003	1Q FY 2016	04/21/2003	N/A	1Q FY 2020
FY 2013 Reprogramming	09/1995	09/1996	04/21/2003	1Q FY 2016	04/21/2003	N/A	1Q FY 2020
FY 2015	09/1995	09/1996	04/21/2003	1Q FY 2016	04/21/2003	N/A	1Q FY 2020
FY 2016	09/1995	09/1996	04/21/2003	1Q FY 2016	04/21/2003	N/A	TBD
FY 2017	09/1995	09/1996	04/21/2003	1Q FY 2016	04/21/2003	N/A	TBD
FY 2018	09/1995	09/1996	04/21/2003	TBD	04/21/2003	N/A	TBD
FY 2019	09/1995	09/1996	04/21/2003	TBD	04/21/2003	N/A	TBD
FY 2020	09/1995	09/1996	04/21/2003	TBD	04/21/2003	N/A	TBD
FY 2021	09/1995	09/1996	04/21/2003	TBD	04/21/2003	N/A	TBD
FY 2022	09/1995	09/1996	04/21/2003	TBD	04/21/2003	N/A	TBD
FY 2023	09/1995	09/1996	04/21/2003	TBD	04/21/2003	N/A	TBD
FY 2024	09/1995	09/1996	04/21/2003	TBD	04/21/2003	N/A	TBD
FY 2025	09/1995	09/1996	04/21/2003	TBD	04/21/2003	N/A	TBD
FY 2026	09/1995	09/1996	04/21/2003	TBD	04/21/2003	N/A	TBD

Conceptual design complete = actual date the conceptual design was completed (if applicable).

D&D complete = completion of decontamination and decommissioning (D&D) work.

Final design complete = estimated/actual date the project design will be/was completed.

- #Q = number of quarter.
CD-0 = approve mission need.
CD-1 = approve alternative selection and cost range.
CD-2 = approve performance baseline.
CD-3 = approve start of construction.
CD-4 = approve start of operations or project completion.
FY = fiscal year.
N/A = not applicable.
PB = performance baseline.
TBD = to be determined.

Project Cost History

(Dollars in thousands)							
	TEC, Design	TEC, Construction	TEC, Total	OPC Except D&D	OPC, D&D	OPC, Total	Total Project Cost
FY 2001	0	5,466,000	5,466,000	7,022,000	0	7,022,000	12,488,000
FY 2002	0	4,350,000	4,350,000	0	0	0	4,350,000
FY 2003	0	4,350,000	4,350,000	0	0	0	4,350,000
FY 2004	0	4,350,000	4,350,000	0	0	0	4,350,000
FY 2003 Cong. Notification	0	5,781,000	5,781,000	0	0	0	5,781,000
FY 2005	0	5,781,000	5,781,000	0	0	0	5,781,000
FY 2006	0	5,781,000	5,781,000	0	0	0	5,781,000
FY 2007	0	5,781,000	5,781,000	0	0	0	5,781,000
FY 2008	0	12,263,000	12,263,000	0	0	0	12,263,000
FY 2009	0	12,263,000	12,263,000	0	0	0	12,263,000

**Environmental Management/
River Protection/01-D-416 Waste
Treatment and Immobilization Plant,
Hanford, WA**

FY 2026 Congressional Justification

FY 2010	0	12,263,000	12,263,000	0	0	0	12,263,000
FY 2011	0	12,263,000	12,263,000	0	0	0	12,263,000
FY 2012	0	12,263,000	12,263,000	0	0	0	12,263,000
FY 2013	0	12,263,000	12,263,000	0	0	0	12,263,000
FY 2014	0	12,263,000	12,263,000	0	0	0	12,263,000
FY 2013 Reprogramming	0	12,263,000	12,263,000	0	0	0	12,263,000
FY 2015	0	12,263,000	12,263,000	0	0	0	12,263,000
FY 2016	0	12,263,000	12,263,000	0	0	0	12,263,000
FY 2017	0	12,263,000	12,263,000	0	0	0	12,263,000
FY 2018	0	12,263,000	12,263,000	0	0	0	12,263,000
FY 2019	TBD	TBD	0	0	0	TBD	TBD
FY 2020	TBD	TBD	0	0	0	TBD	TBD
FY 2021	TBD	TBD	0	0	0	TBD	TBD
FY 2022	TBD	TBD	TBD	0	0	TBD	TBD
FY 2023	TBD	TBD	TBD	0	0	TBD	TBD
FY 2024	TBD	TBD	TBD	0	0	TBD	TBD
FY 2025	TBD	TBD	TBD	0	0	TBD	TBD
FY 2026	TBD	TBD	TBD	0	0	TBD	TBD

D&D = decontamination and decommissioning.
 FY = fiscal year.
 OPC = other project cost.
 TEC = total estimated cost.
 TBD = to be determined.

The FY 2001 budget request presented the contract value using a privatization approach for this project. The contract included design, construction, and commissioning (at a total estimated cost of \$5,466,000,000), and 10 years of initial operations for a total project cost of \$12,488,000,000. In May 2000, the Secretary of Energy terminated the privatization contract, because of the dramatic cost increase submitted by the contractor to complete the project.

In December 2002, the Department awarded a cost-plus incentive-fee contract estimated at \$4,350,000,000 to design, construct, and commission the Waste Treatment and Immobilization Plant. In April 2003, a contract modification was negotiated with the principal change of increasing the throughput capacity of the High-Level Waste and Pretreatment facilities, with the goal of pretreating all retrieved waste during the 40-year life of the facility, immobilizing all of the high-level waste fractions and at least 40 percent of the low-activity waste fraction. The Department approved a performance baseline for this scope with a total project cost of \$5,781,000,000. In December 2006, due to over-optimistic cost estimates and seismic and technical issues, the Department approved a new performance baseline with a revised total project cost of \$12,263,000,000.

A project rebaselining effort was initiated in FY 2012 along with the Design Completion Team to resolve project technical issues. A decision was made to delay the rebaselining effort until the Design Completion Team could address the technical issues.

On December 15, 2016, the Deputy Secretary of Energy approved the direct-feed low-activity waste approach, contract modification, and project execution plan with operations to commence by August 31, 2023. The current strategy is to complete the rebaseline effort in phases, with the first phase complete to support direct-feed low-activity waste and second to rebaseline the High-Level Waste and Pretreatment facilities in the future.

In FY 2019, it was determined that all technical issues had been resolved to support design of the Pretreatment Facility. The U.S. Department of Energy then chartered an Analysis of Alternatives to determine how best to provide tank waste feed to the High-Level Waste Facility and the Pretreatment Facility throughout the facility life cycle. Since June 2020, DOE, Ecology, and the U.S. Environmental Protection Agency have been engaged in

**Environmental Management/
 River Protection/01-D-416 Waste
 Treatment and Immobilization Plant,
 Hanford, WA**

FY 2026 Congressional Justification

mediated negotiations to identify a mutually agreed upon path forward for the Hanford tank waste treatment mission, including the technical approach to treat the high-level waste portion of the tank waste in consideration of the requirements established in the Hanford Consent Decree. The parties are continuing to work towards an agreement, which includes a path forward for the high-level waste program informed by the High-Level Waste Analysis of Alternatives. Several alternatives in the High-Level Waste Analysis of Alternatives, including Alternative 18, represent a phased implementation of a direct feed high-level waste approach, which does not require completion of the Pretreatment Facility to initiate high-level waste treatment operations. On April 13, 2023, S-2 authorized the initiation of actions required to implement a direct-feed High-Level Waste Facility treatment configuration. Following completion of design, a High-Level Waste Facility performance baseline will be established as part of the Critical Decision-2 process.

On July 18, 2022, the Court granted the amendment of the Consent Decree on the basis that the novel coronavirus disease 2019 pandemic being a force majeure event that created work interruptions at the Hanford Site, justifying amendment under Section VII.E (Force Majeure) of the Consent Decree. ECF No. 258 at 2–8. According to the Court-approved method for calculating schedule extensions in this circumstance, the remobilization period between March 23, 2020, and March 13, 2022, warranted a 579-day extension to the B-2, B-3, A-7, A-8, and A-9 milestones.

The Department has notified the state of Washington (with a copy to the state of Oregon) that resolving equipment issues and moving into cold commissioning will take longer than the August 1, 2024, the date in the Consent Decree. The state of Washington agreed with the extension request to November 29, 2024, and the court issued the extension on July 30, 2024. The consent decree milestone 'Start LAW Facility Cold Commissioning,' was completed on November 6, 2024, 23 days ahead of the required milestone date of November 29, 2024."

2. Scope and Justification

Scope

The Waste Treatment and Immobilization Plant covers 65 acres and includes three major nuclear facilities – Pretreatment Facility, High-Level Waste Facility, and Low-Activity Waste Facility along with the Analytical Laboratory and supporting buildings and utilities, collectively known as the Balance of Facilities. The Low-Activity Waste Facility will immobilize, through vitrification, a substantial portion of the low-activity waste fraction. The Department has adopted a strategy to directly feed the Low-Activity Waste Facility to support the start of waste treatment by the 2016 Amended Consent Decree milestone date of December 31, 2023. The Court's new Amended Consent Decree, dated July 18, 2022, granted a 579-day extension to this milestone and has moved the Low-Activity Waste Facility hot commissioning complete milestone to August 1, 2025.

The High-Level Waste Facility will immobilize, through vitrification, the high-level waste fraction of Hanford tank waste. The Waste Treatment and Immobilization Plant key project performance parameters are a minimum treatment capacity of 18 metric tons of glass per day for the Low-Activity Waste Facility and are a minimum treatment capacity of 3.6 metric tons per day for the High-Level Waste Facility (average daily throughput for both facilities). The High-Level Waste Facility treatment capacity is being evaluated as part of the direct feed configuration change. The Analytical Laboratory will provide the necessary sample analysis needed throughout the processing facilities. The Balance of Facilities includes the plant infrastructure and support facilities (e.g., steam plant, electrical switch yards, chiller plant) necessary for the plant to operate.

Justification

The Waste Treatment and Immobilization Plant is the cornerstone of the U.S. Department of Energy, Office of River Protection mission to treat and disposition the radioactive waste contained in underground storage tanks at the Hanford Site in southeastern Washington state. Approximately 56 million gallons of waste containing approximately 240 thousand metric tons of processed chemicals and approximately 176 million curies of radionuclides are currently stored in 177 tanks (retrieval has been completed in 21 tanks). These wastes are in the

form of liquids, slurries, saltcake, and sludge, and are the result of more than four decades, starting in 1944, of reactor operations and plutonium production for national defense.

One of the Department’s key objectives is to design, build, and commission the Waste Treatment and Immobilization Plant. Through a vitrification process, a portion of Hanford’s tank waste volume will be transformed into a sturdy, durable form by blending the waste with molten glass and pouring it into stainless steel canisters. In that form, the waste will remain stable and highly resistant to environmental degradation while its radioactivity decays.

The Waste Treatment and Immobilization Plant contractor will complete process and facility design; perform procurement and construction; conduct acceptance testing; select and integrate a subcontractor into the project team to provide the necessary operating and commissioning capability; and conduct all required environmental, safety, quality, and health activities.

The final Waste Treatment and Immobilization Plant configuration will rely on pretreatment capability being performed in the Hanford tank farm. Both low activity and high-level waste will be transferred to the Waste Treatment and Immobilization Plant for vitrification. The immobilized high-level waste fraction will be temporarily stored on the Hanford Site while a national repository is established. The vitrified low-activity waste fraction will be placed in a disposal facility on the Hanford Site.

At this time, while the project is focused on delivery of the direct-feed low-activity waste capability, the Department will initiate ramp-up of design, procurement, and low-risk construction activities for the High-Level Waste Facility and continue preservation and maintenance for the Pretreatment Facility, focusing on, but not limited to, management of assets, appropriate storage, configuration control, and necessary record keeping (to include quality assurance information).

The project is being conducted in accordance with the project management requirements in DOE O 413.3B.

Key Performance Parameters

The threshold key performance parameters represent the acceptable performance that the project must achieve. Achievement of the thresholds key performance parameters will be a prerequisite for approval of Critical Decision-4.

Performance Measure	Threshold
Low Activity Waste Pretreatment	2.244 metric ton sodium per year
High-Level Waste Pretreatment ¹	735 metric ton as delivered solids per year
Liquid Waste Effluent Management Facility Efficiency	3.1 volume reduction
Low-Activity Waste Vitrification	18 metric ton glass per day
High-Level Waste Vitrification ¹	3.6 metric ton glass per day

¹. Key performance parameters for the High-Level Waste Facility are being reevaluated as part of implementing a direct feed configuration.

18-D-16, Waste Treatment and Immobilization Plant Low Activity Waste Facility, Analytical Laboratory, and Balance of Facilities/Direct-Feed Low-Activity Waste

Scope and Justification

The Low-Activity Waste Facility will immobilize, through vitrification, a substantial portion of the low-activity waste fraction of the Hanford tank waste. The key project performance parameter for the Low-Activity Waste Facility is a minimum treatment capacity of 18-metric tons of glass per day (average daily throughput). The Analytical Laboratory will provide the necessary sample analysis needed throughout waste processing. The

Balance of Facilities includes the plant infrastructure and support facilities (e.g., steam plant, electrical switch yards, chiller plant). The Waste Treatment and Immobilization Plant contractor will complete process and facility design; perform procurement and construction; conduct acceptance testing; select and integrate a subcontractor into the project team to provide the necessary operating and commissioning capability; and conduct all required environmental, safety, quality, and health activities.

The Department has focused the Waste Treatment and Immobilization Plant effort to accelerate construction completion and commissioning of three facilities – Low-Activity Waste Facility, Analytical Laboratory, and Balance of Facilities – to meet the Amended Consent Decree requirement to begin operations by August 2025. The waste feed for low-activity waste processing will be provided for these facilities initially by a tank-side cesium removal capability being performed by Hanford tank farm.

The Department has constructed and tested a separate Effluent Management Facility to manage the high volume of water generated through the processing of low-activity waste and to create double-shell tank space while treating low-activity waste for disposal. As originally envisioned, this capability was going to be located in the Pretreatment Facility; however, with the restructuring of the project to a phased startup, this capability is needed prior to the completion of construction for the Pretreatment Facility, requiring the construction of the Effluent Management Facility under a different, but existing, control point (01-D-416A-C). The Effluent Management Facility was completed in November 2021.

01-D-16D, High-Level Waste Facility

Scope and Justification

The High-Level Waste Facility will immobilize, through vitrification, the high-level waste fraction of the tank waste. The key project performance parameter for the High-Level Waste Facility is a minimum of 3.6 metric tons of glass per day (average daily throughput) but is being evaluated given the implementation of a direct feed configuration. The Waste Treatment and Immobilization Plant contractor will complete process and facility design; perform procurement and construction; conduct acceptance testing; perform startup and commissioning activities; and conduct all required environmental, safety, quality, and health activities.

01-D-16E, Pretreatment Facility

Scope and Justification

The original Pretreatment Facility concept was to separate radioactive tank waste into high-activity waste and low-activity waste fractions and transfer the segregated waste to the High-Level Waste Facility and the Low-Activity Waste Facility. The main pretreatment processes included filtration to separate the high curie solids from the low-activity liquids and an ion exchange system to remove cesium from the tank waste. Given the results of the High-Level Waste Analysis of Alternatives, the Pretreatment facility will remain suspended as High-Level Waste and Low-Activity Waste vitrification waste processing advances.

3. Project Cost and Schedule

Financial Schedule

	01-D-416, WTP Total			18-D-16, Waste Treatment and Immobilization Plant LBL/Direct feed LAW			01-D-16D, High-Level Waste Facility			01-D-16E, Pretreatment Facility		
	Approps	Obls	Costs	Approps	Obls	Costs	Approps	Obls	Costs	Approps	Obls	Costs
Total Estimated Cost (TEC) /												
Total Project Cost (TPC)												
Prior Years	9,864,883	9,864,883	9,664,986	3,824,462	3,824,462	3,729,030	2,540,371	2,540,371	2,548,161	3,500,050	3,500,050	3,387,795
FY 2016	690,000	690,000	741,612	520,264	520,264	538,103	74,736	74,736	86,373	95,000	95,000	117,136
FY 2017	690,000	690,000	713,861	562,274	562,274	533,765	30,726	30,726	61,213	97,000	97,000	118,883
FY 2018	740,000	740,000	649,517	630,000	630,000	588,842	75,000	75,000	30,400	35,000	35,000	30,275
FY 2019	730,000	730,000	751,760	655,000	655,000	685,913	60,000	60,000	45,146	15,000	15,000	20,643
FY 2020	816,000	701,548	688,703	776,000	662,000	606,728	25,000	25,000	66,169	15,000	15,000	15,806
FY 2021	811,000	829,208	518,256	786,000	804,208	496,119	25,000	25,000	17,335	0	0	4,802
FY 2022	750,358	400,671	533,817	586,000	296,676	474,255	144,358	83,995	55,623	20,000	20,000	3,939
FY 2023	824,900	608,981	636,824	412,700	384,890	483,405	392,200	204,091	151,809	20,000	20,000	1,610
FY 2024	770,000	792,336	819,330	150,000	387,342	468,350	600,000	400,577	344,601	20,000	4,417	6,379
FY 2025	850,000	825,584	948,190	250,000	425,584	448,190	600,000	400,000	500,000	0	0	10,000
FY 2026	600,000	600,000	610,000	0	0	100,000	600,000	600,000	600,000	0	0	10,000
Outyears	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD
Grand Total	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD

Approps = appropriations.

LAW = low-activity waste.

LBL = Low-Activity Waste Facility, Balance of Facilities, and Analytical Laboratory.

Obls = obligations.

TBD = to be determined.

WTP = Waste Treatment and Immobilization Plant.

4. Details of Project Cost Estimate

(Dollars in Thousands)												
	01-D-416, WTP Total			18-D-16, Waste Treatment and Immobilization Plant LBL/Direct feed LAW			01-D-16D, High-Level Waste Facility			01-D-16E, Pretreatment Facility		
	CTE	PTE	OVb	CTE	PTE	OVb	CTE	PTE	OVb	CTE	PTE	OVb
Total Estimated Cost (TEC) /												
Total Project Cost (TPC)												
Construction												
Engineering/Design	TBD	2,547,977	1,475,000	TBD	785,881	N/A	TBD	700,141	N/A	TBD	1,061,954	N/A
Equipment/Procurement ^a	TBD	2,380,748	1,125,000	TBD	675,051	N/A	TBD	670,539	N/A	TBD	1,035,158	N/A
Facility Construction ^b	TBD	3,720,637	2,155,000	TBD	1,241,195	N/A	TBD	913,568	N/A	TBD	1,565,874	N/A
Commissioning ^c		1,409,428	876,000		718,454	N/A		275,217	N/A		415,757	N/A
Technical Support/Transition ^d	TBD	185,000	50,000	TBD	56,292	N/A	TBD	42,332	N/A	TBD	86,376	N/A
Contingency/Fee ^e	TBD	2,019,210	100,000	TBD	414,765	N/A	TBD	570,100	N/A	TBD	1,034,346	N/A
Total Project Cost	TBD	12,263,000	5,781,000	TBD	3,891,638	N/A	TBD	3,171,897	N/A	TBD	5,199,465	N/A

^a Equipment/Procurement dollars represent costs of plant equipment, bulk plant material, and acquisition services.

^b Facility construction dollars represent construction costs through system turnover.

^c Commissioning dollars represent the cost of startup and cold commissioning.

^d Technical support/transition represents the cost of federal assurance oversight support to the federal project director and project transition costs.

^e Contingency/Fee dollars represent the fee and Department project contingency.

CTE = current total estimate.

CX = commissioning.

N/A = not applicable.

OVb = original validated baseline.

PTE = previous total estimate.

TBD = to be determined.

5. Schedule of Appropriation Requests

Request Year	Type	Prior Years	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	Outyears	Total
FY 2016	TEC/TPC	11,450,585	-					TBD	12,263,000
FY 2017	TEC/TPC	11,445,585	-					TBD	12,263,000
FY 2018	TEC/TPC	11,934,613	-					TBD	12,263,000
FY 2019	TEC/TPC	12,714,613	-					TBD	TBD
FY 2020	TEC/TPC	13,530,613	-					TBD	TBD
FY 2021	TEC/TPC	13,530,613	-					TBD	TBD
FY 2022	TEC/TPC	13,530,613	666,000					TBD	TBD
FY 2023	TEC/TPC	13,530,613	750,358	824,900				TBD	TBD
FY 2024	TEC/TPC	13,530,613	750,358	824,900	620,000			TBD	TBD
FY 2025	TEC/TPC	13,530,613	750,358	824,900	770,000	628,100		TBD	TBD
FY 2026	TEC/TPC	14,341,613	750,358	824,900	770,000	850,000	600,000	TBD	TBD

The U.S. Department of Energy has completed an analysis of alternative to determine how best to provide tank waste feed to the High-Level Waste Facility throughout the facility life cycle. The Department of Energy will continue to implement a path forward for the high-level program informed by the High-Level Waste Analysis of Alternatives. Several alternatives in the High-Level Waste Analysis of Alternatives, including Alternative 18, represent a phased implementation of a direct feed high-level waste. The current plan is to update the High-Level Waste Facility performance baseline in two phases, reflecting the transition away from a concurrent design-build approach:

- Design completion period (approximately 2023 through 2027). The primary objective of this period is to complete the design and safety analysis / safety basis for the High-Level Waste Facility and associated support facilities. Work scope for this period will also include low-risk procurement and construction scope and other risk mitigating activities that will facilitate future development of a high-confidence baseline for completing the construction and commissioning of the High-Level Waste Facility and support facilities within cost and schedule estimates.
- Construction and commissioning period (approximately 2028 through 2035). The objective of this period is to complete the construction and commissioning of the High-Level Waste Facility and support facilities in a direct-feed High-Level Waste configuration within established scope, cost, and schedule objectives.

Upon completion of the rebaseline effort, this construction project data sheet will be formally revised to reflect the full Waste Treatment and Immobilization Plant total project cost and submitted to Congress.

6. Related Operations and Maintenance Funding Requirements

Start of Operation or Beneficial Occupancy (fiscal quarter or date)	TBD
Expected Useful Life (number of years)	40
Expected Future Start of decontamination and decommissioning of this capital asset (fiscal quarter)	TBD

Related Funding Requirements

(Budget Authority in Millions of Dollars)

	Annual Costs		Life-Cycle Costs	
	Previous Total Estimate	Current Total Estimate	Previous Total Estimate	Current Total Estimate
Operations and Maintenance	TBD	TBD	TBD	TBD

Operations will start after the project is completed. These costs are included in project baseline summary ORP-0070, "Waste Treatment and Immobilization Plant," and are therefore not included in this construction project data sheet.

7. Decontamination and Decommissioning Information

This project is not replacing existing facilities.

The location of this construction project is an environmental management closure site and, therefore, is exempt from the "one-for-one" requirement.

8. Acquisition Approach

The contract is being executed in accordance with the project management requirements in DOE O 413.3B.

Current contractor:

Bechtel National, Inc., provides the personnel, materials, supplies, and services and otherwise do all things necessary and incident to designing, constructing, and commissioning the Hanford Tank Waste Treatment and Immobilization Plant. This is a Cost-Plus Award-Fee Contract, with award and multiple fee incentives. This Contract is a completion contract. The period of performance for this Contract shall extend from December 11, 2000, through June 30, 2025. A revised period of performance will be established following completion of 90 percent design of the High-Level Waste Facility and negotiations. Expected extension through September 30, 2027.

23-D-403, Hanford 200 West Area Tank Farms Risk Management Project
Hanford, Richland, Washington (ORP-0014)
Project is for Design and Construction

1. Summary, Significant Changes, and Schedule and Cost History

Summary:

Line-item funding is requested to mitigate risks and add operational capabilities to enable near-term retrievals, treat tank waste, and manage double-shell tank space in the 200 West Area Tank Farms.

The FY 2026 Request for the Hanford 200 West Area Tank Farms Risk Management Project is \$127,100,000, including \$108,200,000 of Total Estimated Cost under the congressional control point for Hanford 200 West Area Tank Farms Risk Management Project and \$18,900,000 of Other Project Cost under the congressional control point for Radioactive Liquid Tank Waste Stabilization and Disposition.

The most recent approved Critical Decision is Critical Decision-1, "Approve Alternative Selection and Cost Range," which was approved on February 26, 2025, with a cost range of \$365,000,000 to \$630,000,000. The Analysis of Alternatives to meet the mission need was completed in January 2022.

The cost range provided at Critical Decision-0 was a rough-order of magnitude used to determine the project authority designation. It does not represent the performance baseline. As part of the conceptual design maturation, the top-end range for the total project cost is now estimated at \$482,417,000.

For projects greater than \$400,000,000, a Level 4 certified Federal Project Director is required. The project activities are being led by a certified Federal Project Director with plans to obtain the required level of certification.

Significant Changes:

This Construction Project Data Sheet is an update of the FY 2025 Construction Project Data Sheet and does not include a new start for the budget year.

Based on the design changes required to meet the Holistic Agreement and an independent government cost estimate, the Federal Project Director increased the Total Project Cost from \$90,000,000 to \$482,417,000 using the upper bound of a class four estimate, including fee and contingency. The change includes the design, procurement, and fabrication of upgraded pretreatment process modules, ion exchange columns, larger underground storage tank for pretreated waste, and updated support systems and structures (ventilation, trailer, transfer line piping, etc.).

The subcontract award to begin conceptual design has taken longer than initially planned. Accordingly, the project has revised the critical milestone forecast.

Critical Milestone History

Fiscal Year	CD-0	Conceptual Design Complete	CD-1	CD-2	Final Design Complete	CD-3A	CD-3	CD-4	D&D Complete
FY 2023	7/2/2021	2Q FY 2023	3Q FY 2023	TBD	TBD	N/A	TBD	TBD	N/A
FY 2024	7/2/2021	4Q FY 2023	1Q FY 2024	TBD	4Q FY 2024	1Q FY 2024	TBD	TBD	N/A

Fiscal Year	CD-0	Conceptual Design Complete	CD-1	CD-2	Final Design Complete	CD-3A	CD-3	CD-4	D&D Complete
FY 2025	7/2/2021	4Q FY 2024	1Q FY 2025	TBD	TBD	3Q FY 2025	TBD	TBD	N/A
FY 2026	7/2/2021	4Q FY 2024	2/26/2025	TBD	TBD	TBD	TBD	TBD	N/A

CD-0 – Approve Mission Need for a construction project with a conceptual scope and cost range

Conceptual Design Complete – Actual date the conceptual design was completed (if applicable)

CD-1 – Approve Alternative Selection and Cost Range

CD-2 – Approve Performance Baseline

Final Design Complete – Estimated/Actual date the project design will be/was completed

CD-3A – Long Lead Procurement and Site Preparation

CD-3 – Approve Start of Construction

CD-4 – Approve Start of Operations or Project Closeout

D&D Start – Start of Decommissioning and Decontamination work

D&D Complete – Completion of Decommissioning and Decontamination work

Project Cost History

(Dollars in thousands)

Fiscal Year	TEC, Design	TEC, Construction	TEC, Total	OPC, Except D&D	OPC, D&D	OPC, Total	TPC
FY 2023 Request	TBD	TBD	TBD	TBD	N/A	TBD	TBD
FY 2024 Request	TBD	TBD	TBD	TBD	N/A	TBD	TBD
FY 2025 Request	TBD	TBD	TBD	TBD	N/A	TBD	TBD
FY 2026 Request	TBD	TBD	TBD	TBD	N/A	TBD	TBD

Construction funds will be used for approved long-lead procurement(s) prior to obtaining Critical Decision-3, "Approve Start of Construction." Construction funds may be used for activities such as site preparation work, site characterization, limited access, safety, and security issues (i.e., fences) prior to obtaining Critical Decision-3, "Approve Start of Construction."

2. Project Scope and Justification

Scope

The project will provide a treatment capability within the 200 West Tank Farms to mitigate risks and add operational capabilities to enable near-term retrievals, treat tank waste in the 200 West Area Tank Farms, and manage double-shell tank space. Based on the Analysis of Alternatives the project will design, build, install, and commission a tank farm pretreatment system at the SY Tank Farm. The project will support retrieving waste from 22 tanks in Hanford's 200 West Area by 2040, as part of the agreement reached with the Washington State Department of Ecology. The agreement proposes a realistic and achievable course for cleaning up millions of gallons of radioactive and chemical waste from large, underground tanks at the Hanford Site, including retrieving single-shell tanks from 200 West Area and grouting the low-activity portion of the waste for offsite disposal.

The 200 West tank farm pretreatment system will be fabricated off-site and installed onto a newly constructed concrete pad along the east side of the SY Tank Farm. Based on a pre-conceptual screening of below-grade obstructions and evaluation of the SY tank utilization strategies, this has been initially determined as the most beneficial siting. The 200 West tank farm pretreatment system will consist of two process modules. Each

process module will include a process enclosure to perform filtration and ion exchange operations, an ancillary enclosure to house equipment for air, water, and chemical supply, and a control enclosure to contain the human-machine interface equipment to operate the system. The resultant waste from the 200 West tank farm pretreatment system will be routed into a waste storage tank and then pumped into tanker trucks via the SY Load-in/Load-out Station. The tanker trucks will deliver the pretreated waste to off-site facilities for treatment, followed by off-site disposal.

Spent ion exchange columns will be interim stored on a concrete pad adjacent to the 200 West tank farm pretreatment system. A dedicated forklift will remove them and transport them to the storage pad via a concrete travel path.

The project will seek approval of Critical Decision 3A, "Long-Lead Item Procurement," for long-lead procurements and fabrications, primarily the tank farm pretreatment modules.

Justification

The Hanford Field Office has a mission need to mitigate risks and add operational capabilities to enable near-term retrievals, treat tank waste, and manage double-shell tank space in the 200 West Area Tank Farms. This initiative supports the Office of River Protection mission by:

- Removing SY Tank Farm liquid waste, thereby creating available double-shell tank space in the 200 West Area to enable single-shell tank retrievals and serve as emergency space within the double shell tank system.
- Reducing reliance on a single cross-site supernatant transfer line to deliver untreated radioactive liquid waste to the 200 East Area.
- Complementing the Direct-Feed Low-Activity Waste approach to near-term vitrification of low-activity tank waste in the 200 East Area by establishing a parallel and near-term capability in the 200 West Area.
- Removing a constraint to enable increased operations of the 222-S Laboratory during the Direct-Feed Low-Activity Waste mission by creating additional space for laboratory waste in Tank SY-101.
- Removing over 2 million curies of cesium-137 and associated radioactive decay products in SY Tank Farm years earlier than currently planned.

The addition of a capability within the 200 West Area provides the needed operational flexibility to manage double-shell tank space. This will supplement the Direct-Feed Low-Activity Waste program capabilities to ensure continuous treatment of tank waste and progress toward emptying tanks across the Hanford Site.

The project will support retrieving waste from 22 tanks in Hanford's 200 West Area by 2040, as part of the agreement reached with the Washington State Department of Ecology. The agreement proposes a realistic and achievable course for cleaning up millions of gallons of radioactive and chemical waste from large, underground tanks at the Hanford Site, including retrieving single-shell tanks from 200 West Area and grouting the low-activity portion of the waste for offsite disposal. The creation of additional available double-shell tank space in the 200 West Area will improve the capability to meet double-shell tank emergency space requirements and expedite the 200 West Area single-shell tank retrieval and closure process. Addressing this gap in the 200 West Area supports near-term reduction of risk, life-cycle cost, and schedule durations without sacrificing compliance with federal regulations and maintains safety of the workers, the public, and the environment.

The project is being conducted in accordance with the project management requirements in DOE O 413.3B, *Program and Project Management for the Acquisition of Capital Assets*.

Key Performance Parameters

Notional or draft Key Performance Parameters are being provided given the current Critical Decision 0 milestone. Formally defined Key Performance Parameters will be approved by the corresponding Project Management Executive at Critical Decision 2, "Approve Performance Baseline."

The project design will determine the needed capability to allow for risk mitigation and near-term tank retrievals in the 200 West Area of the Hanford Site as documented in the Mission Need Statement. However, the 200 West tank farm pretreatment system must have the same internal functionality and basic design architecture as the Advanced Modular Pretreatment System (15-D-409-02) pretreatment unit(s). The 200 West tank farm pretreatment system design will include solids removal by filtration. Cesium will be removed from the filtrate in ion-exchange columns. The 200 West tank farm pretreatment system will consist of two process modules. Each module will have a nominal flow rate of five gallons per minute throughput, totaling a nominal flow rate of 10 gallons per minute of pretreated waste for the project.

3. Financial Schedule

	(Dollars in thousands)		
	Appropriations	Obligations	Costs
Total Estimated Cost (TEC)			
Design			
FY 2023	4,408	0	0
FY 2024	15,309	0	0
FY 2025	2,592	6,000	5,500
FY 2026	0	16,309	16,809
Outyears	TBD	TBD	TBD
Total, Design	22,309	22,309	22,309
Construction			
FY 2024	0	0	0
FY 2025	35,217	0	0
FY 2026	108,200	142,691	119,691
Outyears	TBD	TBD	TBD
Total, Construction	TBD	TBD	TBD
TEC			
FY 2023	4,408	0	0
FY 2024	15,309	0	0
FY 2025	37,809	6,000	5,500
FY 2026	108,200	159,000	136,500
Outyears	TBD	TBD	TBD
Total TEC	TBD	TBD	TBD
Other Project Cost (OPC)			
OPC except D&D			
FY 2021	578	578	578
FY 2022	3,422	3,422	262
FY 2023	500	500	3,660
FY 2024	5,000	5,000	5,000
FY 2025	6,000	6,000	4,400
FY 2026	18,900	18,900	17,100
Outyears	TBD	TBD	TBD
Total OPC except D&D	TBD	TBD	TBD
Total Project Cost (TPC)			
FY 2021	578	578	578
FY 2022	3,422	3,422	262

	(Dollars in thousands)		
	Appropriations	Obligations	Costs
FY 2023	4,908	500	3,660
FY 2024	20,309	5,000	5,000
FY 2025	43,809	12,000	9,900
FY 2026	127,100	177,900	153,600
Outyears	TBD	TBD	TBD
Total TPC	TBD	TBD	TBD

4. Details of Project Cost Estimate

	(Dollars in thousands)		
	Current Total Estimate	Previous Total Estimate	Original Validated Baseline
Total Estimated Cost (TEC)			
Design			
Design	TBD	TBD	TBD
Contingency	TBD	TBD	TBD
Total, Design	TBD	TBD	TBD
Construction			
Construction	TBD	TBD	TBD
Contingency	TBD	TBD	TBD
Total, Construction	TBD	TBD	TBD
Total, TEC	TBD	TBD	TBD
Contingency, TEC	TBD	TBD	TBD
Other Project Cost (OPC)			
OPC except D&D			
Conceptual Design	TBD	TBD	TBD
Project Support	TBD	TBD	TBD
Contingency	TBD	TBD	TBD
Total, OPC	TBD	TBD	TBD
Contingency, OPC	TBD	TBD	TBD
Total, TPC	TBD	TBD	TBD
Total Contingency	TBD	TBD	TBD

5. Schedule of Appropriations Requests

		Prior Years	FY 2024	FY 2025	FY 2026	Outyears	Total
FY 2023 Request	TEC	3,908	TBD	TBD	TBD	TBD	TBD
	OPC	4,500	TBD	TBD	TBD	TBD	TBD
	TPC	8,408	TBD	TBD	TBD	TBD	TBD

FY 2024 Request	TEC	4,408	15,309	TBD	TBD	TBD	TBD
	OPC	4,500	5,000	TBD	TBD	TBD	TBD
	TPC	8,908	20,309	TBD	TBD	TBD	TBD
FY 2025 Request	TEC	4,408	15,309	37,500	TBD	TBD	TBD
	OPC	4,500	5,000	6,000	TBD	TBD	TBD
	TPC	8,908	20,309	43,500	TBD	TBD	TBD
FY 2026 Request	TEC	4,408	15,309	37,809	108,200	TBD	TBD
	OPC	4,500	5,000	6,000	18,900	TBD	TBD
	TPC	8,908	20,309	43,809	127,100	TBD	TBD

6. Related Operations and Maintenance Funding Requirements

Start of Operation or Beneficial Occupancy (fiscal quarter or date)	TBD
Expected Useful Life (number of years)	TBD
Expected Future Start of D&D of this capital asset (fiscal quarter)	TBD

(Dollars in thousands)

	Annual Costs		Life Cycle Costs	
	Current Total Estimate	Previous Total Estimate	Current Total Estimate	Previous Total Estimate
Operations and Maintenance	TBD	TBD	TBD	TBD
Total	TBD	TBD	TBD	TBD

7. Decommissioning & Demolition Information

There is no new area being constructed in this construction project.

This project's location is an environmental management closure site, so it is exempt from the "one-for-one" requirement.

8. Acquisition Approach

To complete this project safely and in the most cost-effective manner, DOE will direct the Tank Waste Operations prime contractor to perform and manage this work. This approach makes the best use of site expertise and efficiently uses the existing contract. Continuity of design will be ensured by making a provision in the subsequent Hanford prime contract, the Integrated Tank Disposition Contract, for assignment of the scope, regardless of the timing of a contract turnover.

The Tank Waste Operations prime contractor organization will serve as the Design Authority responsible for establishing the design requirements and ensuring that design output documents accurately reflect the design basis. The design authority is responsible for design control and ultimate technical adequacy of the design process. These responsibilities are applicable whether the process is conducted full in-house, partially contracted to outside organizations, or fully contracted to outside organizations. The Design Authority will carefully control and monitor each design tier to ensure the design inputs, design constraints, design analysis and calculations, and design requirements are identified, accurate, complete, and documented.

The Tank Waste Operations contractor will competitively award subcontracts for project sub-elements to provide the best value to the government. Various subcontractors will be used for support services such as engineering design, technical expertise, technology development, permitting, and safety documentation. Subcontracting strategies for these services will be determined based on the circumstances and work scope of each critical decision.

**Environmental Management/
River Protection/23-D-403 Hanford
200 West Area Tank Farms Risk
Management Project, Hanford, WA**

FY 2026 Congressional Justification

**15-D-409, Low-Activity Waste Pretreatment System
Hanford, Richland, Washington (ORP-0014)
Project is for Design and Construction**

1. Summary, Significant Changes, and Schedule and Cost History

Summary

The FY 2026 request for the Low-Activity Waste Pretreatment System is \$94,000,000 to support design and construction of subproject 2 (15-D-409-02), including Total Estimated Cost of \$78,600,000 under the congressional control point for the Low-Activity Waste Pretreatment System and Other Project Cost of \$15,400,000 under the congressional control point for Radioactive Liquid Tank Waste Stabilization and Disposition. The Tank-Side Cesium Removal Demonstration Subproject (15-D-409-01) is complete. This Project Data Sheet is an update of the fiscal year 2025 Project Data Sheet. The cost range was defined through the Critical Decision-1 process for the next subproject, the Advanced Modular Pretreatment System (15-D-409-02). The current preliminary cost estimate range for the Low-Activity Waste Pretreatment System is \$596,000,000 to \$845,000,000, of which the Advanced Modular Pretreatment System comprises \$291,000,000 to \$540,000,000.

The Total Project Cost for subproject 15-D-409-01 was \$157,539,000 and the current rough order of magnitude Total Project Cost estimate for subproject 15-D-409-02 is \$439,736,000.

A certified Federal Project Director is leading the project activities.

Significant Changes

On April 29, 2024, the project received Critical Decision-1R approval. In the Critical Decision-1R the selected alternative from the analysis of alternatives was approved and a revised cost and schedule range were established for the project. The schedule range for Critical Decision-4 is the second quarter of fiscal year 2029 to the third quarter fiscal year 2031 and a cost range of \$596,000,000 to \$845,000,000, of which the Advanced Modular Pretreatment System comprises \$291,000,000 to \$540,000,000. The project is needed to support Waste Treatment and Immobilization Plant by October 2028 based on Waste Treatment Plant hot operations beginning in August 2025.

The alternative selected builds upon the previous Tank-Side Cesium Removal Demonstration Subproject (15-D-409-01) success both from a design and technology perspective. The Advanced Modular Pretreatment System (15-D-409-02) design will incorporate lessons learned from 15-D-409-01 and be comprised of two process modules instead of one. These columns are the same technology used in 15-D-409-01. The updated process modules will provide the Waste Treatment and Immobilization Plant with the required feed for Direct-Feed Low-Activity Waste. Additionally, the Advanced Modular Pretreatment System will utilize the same existing double-shell tanks for incoming and process waste as 15-D-409-01.

With the approval of Critical Decision-1R the project is focused on progressing the design in support of Critical Decision-2/3 approval.

Critical Milestone History

Overall Project (15-D-409)

CD-0 – Approve Mission Need

Conceptual Design Complete – Estimated date the conceptual design will be completed.

CD-1 – Approve Alternative Selection and Cost Range

CD-3A– Long Lead Procurement and Site Preparation

CD-2 – Approve Performance Baseline

Final Design Complete – Estimated date the project design will be completed.

CD-3 – Approve Start of Construction

Decontamination and Decommission Complete – Completion of decontamination and decommissioning work.

CD-4 – Approve Start of Operations or Project Completion.

Fiscal Quarter or
Date

	CD-0	Conceptual Design Complete	CD-1	CD-2	Final Design Complete	CD-3A	CD-3	D&D Complete	CD-4
FY 2015	2Q FY 2014	2Q FY 2015	TBD	TBD	TBD	TBD	TBD	N/A	TBD
FY 2016	3/17/2014	2Q FY 2015	2Q FY 2015	TBD	TBD	TBD	TBD	N/A	TBD
FY 2017	3/17/2014	1/15/2015	5/19/2015	TBD	TBD	TBD	TBD	N/A	TBD
FY 2018	3/17/2014	1/15/2015	5/19/2015	TBD	TBD	TBD	TBD	N/A	TBD
FY 2019	3/17/2014	1/15/2015	5/19/2015	TBD	TBD	TBD	TBD	N/A	TBD
FY 2020	3/17/2014	1/15/2015	5/19/2015	TBD	TBD	TBD	TBD	N/A	TBD
FY 2024	3/17/2014	1/15/2015	5/19/2015	TBD	TBD	TBD	TBD	N/A	TBD
FY 2025	3/17/2014	1/15/2015	5/19/2015	TBD	TBD	TBD	TBD	N/A	TBD
FY 2026	3/17/2014	9/30/2023	4/29/2024	TBD	TBD	TBD	TBD	N/A	TBD

Tank-Side Cesium Removal Demonstration Subproject (15-D-409-01)

Fiscal Quarter or Date

Fiscal Year	CD-0	Conceptual Design Complete	CD-1	CD-2	Final Design Complete	CD-3	D&D Complete	CD-4
FY 2015	2Q FY2014							
FY 2016	3/17/2014	2Q 2015	2Q 2015					
FY 2017	3/17/2014	1/15/2015	5/19/2015					
FY 2018	3/17/2014	1/15/2015	5/19/2015	TBD	TBD	TBD	N/A	TBD
FY 2019	3/17/2014	1/15/2015	5/19/2015	TBD	TBD	TBD	N/A	TBD
FY 2019 Update	3/17/2014	1/15/2015	5/19/2015	TBD	TBD	TBD	N/A	TBD
FY 2020	3/17/2014	1/15/2015	5/19/2015	TBD	TBD	TBD	N/A	TBD
FY 2024	3/17/2014	1/15/2015	5/19/2015	2/26/2020	2/26/2020	2/26/2020	N/A	4/12/2022

Advanced Modular Pretreatment System (15-D-409-02):

Fiscal Quarter or Date

Fiscal Year	CD-0	Conceptual Design Complete	CD-1	CD-2	Final Design Complete	CD-3A	CD-3	D&D Complete	CD-4
FY 2020	3/17/2014	TBD	TBD	TBD	TBD	TBD	TBD	N/A	TBD
FY 2024	3/17/2014	TBD	TBD	TBD	TBD	TBD	TBD	N/A	TBD
FY 2025	3/17/2014	TBD	TBD	TBD	TBD	TBD	TBD	N/A	TBD
FY 2026	3/17/2014	9/30/2023	4/29/2024	TBD	TBD	TBD	TBD	N/A	TBD

CD-0 – Approve Mission Need

Conceptual Design Complete – Estimated date the conceptual design will be completed.

CD-1 – Approve Alternative Selection and Cost Range

CD-3A– Long Lead Procurement and Site Preparation

CD-2 – Approve Performance Baseline

Final Design Complete – Estimated date the project design will be completed.

CD-3 – Approve Start of Construction

Decontamination and Decommission Complete – Completion of decontamination and decommissioning work.

CD-4 – Approve Start of Operations or Project Completion.

Project Cost History

Tank-Side Cesium Removal Demonstration Subproject (15-D-409-01)

(Dollars in Thousands)

Fiscal Year	TEC, Design	TEC, Construction	TEC, Total	OPC	TPC
FY 2018	TBD	TBD	TBD	TBD	TBD
FY 2019	TBD	TBD	TBD	TBD	TBD
FY 2020	TBD	TBD	TBD	TBD	TBD
FY 2024	21,515	126,900	148,415	9,124	157,539

Advanced Modular Pretreatment System (15-D-409-02)

(Dollars in Thousands)

Fiscal Year	TEC, Design	TEC, Construction	TEC, Total	OPC	TPC
FY 2024	TBD	TBD	TBD	TBD	TBD
FY 2025	TBD	TBD	TBD	TBD	TBD
FY 2026	TBD	TBD	TBD	TBD	TBD

Overall Project (15-D-409)¹

(Dollars in Thousands)

Fiscal Year	TEC, Design	TEC, Construction	TEC, Total	OPC	TPC
FY 2015	60,000	TBD	TBD	TBD	TBD
FY 2016	TBD	TBD	TBD	TBD	TBD
FY 2017	TBD	TBD	TBD	TBD	TBD
FY 2018	TBD	TBD	TBD	TBD	TBD
FY 2019	TBD	TBD	TBD	TBD	TBD

Environmental Management/
River Protection/15-D-409
Low Activity Waste
Pretreatment System, Hanford

FY 2026 Congressional Justification

Fiscal Year	TEC, Design	TEC, Construction	TEC, Total	OPC	TPC
FY 2020	TBD	TBD	TBD	TBD	TBD
FY 2024	TBD	TBD	TBD	TBD	TBD
FY 2025	TBD	TBD	TBD	TBD	TBD
FY 2026	TBD	TBD	TBD	TBD	TBD

¹ Includes costs incurred prior to inception of the Tank-Side Cesium Removal Demonstration Subproject.

2. Scope and Justification

Scope

This project will design and build a Low-Activity Waste Pretreatment System to treat tank waste to produce a low-activity waste feed stream that meets the waste acceptance criteria of the Waste Treatment and Immobilization Plant Low-Activity Waste Facility. Operation of the Low-Activity Waste Pretreatment System and the Low-Activity Waste Facility will reduce environmental risk by immobilizing tank farm liquids, freeing up approximately 1,000,000 gallons per year of double-shell tank space, allowing additional single-shell tanks to be retrieved, and reduce startup risks of the Waste Treatment and Immobilization Plant.

The Low-Activity Waste Pretreatment System will be designed with the throughput to provide sufficient feed to operate the two large Waste Treatment Plant Low-Activity Waste Facility melters at full capacity. The Low-Activity Waste Pretreatment System will be designed and deployed in a phased manner to correspond with the startup of the Low-Activity Waste Facility.

The Low-Activity Waste Pretreatment System project consists of the following subprojects:

Tank-Side Cesium Removal Demonstration Subproject (15-D-409-01): The initial phase utilized Tank-Side Cesium Removal equipment to provide initial feed. The subproject constructed the waste transfer system to feed waste from tank-side cesium removal to the Waste Treatment and Immobilization Plant, which demonstrated the technology, methodology, procedures, and practices needed to provide the initial 5 million gallons of pretreated low-activity waste feed to the Waste Treatment and Immobilization Plant.

Advanced Modular Pretreatment System (15-D-409-02): Experience obtained from the Tank-Side Cesium Removal Demonstration Subproject including design, fabrication, factory acceptance testing, permitting, and operations is informing the Advanced Modular Pretreatment System's final course of action and alternative project selection.

Justification

The Low-Activity Waste Facility remains on schedule to meet interim milestones in the Amended Consent Decree, *State of Washington v. DOE*, Case No. 2:08-CV-5085-RMP (E.D. Wash.). Under the Amended Consent Decree, interim milestone D-00A-09, the Low-Activity Waste Facility must complete hot commissioning by August 1, 2025 – meaning “the point at which the Low-Activity Waste facility has demonstrated its ability to produce immobilized low-activity waste glass of acceptable quality.” Provision for a tank waste treatment capability is required to provide low-activity waste feed to the Low-Activity Waste Facility.

Operation of the Advanced Modular Pretreatment System along with the Low-Activity Waste Facility mitigates Waste Treatment and Immobilization Plant startup and commissioning risks and accelerates overall low-activity waste immobilization. Based on an estimated 10 to 20 years of operations, it is expected that 9,600 metric tons of tank waste sodium (15 percent of the tank farms sodium inventory) will be immobilized, reducing environmental risk, and freeing up approximately 1 million gallons per year of double-shell tank space, which can then be used to support waste retrievals from the older single-shell tanks to the newer and safer double-shell tanks.

The project is being conducted in accordance with the project management requirements in DOE O 413.3B, *Program and Project Management for the Acquisition of Capital Assets*.

**Environmental Management/
River Protection/15-D-409
Low Activity Waste
Pretreatment System, Hanford**

FY 2026 Congressional Justification

Key Performance Parameters

Notional or draft Key Performance Parameters are being provided. Formally defined Key Performance Parameters will be approved by the corresponding Project Management Executive at CD-2/3, Approve Performance Baseline.

Performance Measure	Threshold
Quantity	Provide two Advanced Modular Pretreatment System process modules.
Solids Filtration	The Advanced Modular Pretreatment System's filtration system shall provide particle filtration to meet Low-Activity Waste feed acceptance criteria.
Processing Rate	Provide the Advanced Modular Pretreatment System process modules and supporting infrastructure capable of transferring and pretreating five gallons per minute (instantaneous rate) of tank waste for each process module.
Cesium Removal	The Advanced Modular Pretreatment System shall be capable of removing cesium via crystalline silicotitanate cesium ion exchange media. The concentration of radioactive ¹³⁷ Cs after cesium removal shall meet the Low-Activity Waste feed acceptance criteria.

3. Project Cost and Schedule

Financial Schedule

Low-Activity Waste Pretreatment System funding is appropriated at the overall project level (15-D-409) and is allocated to the subprojects in the tables below.

Tank-Side Cesium Removal Demonstration Subproject (15-D-409-01)

(dollars in thousands)

	Appropriations	Obligations	Costs
Total Estimated Cost (TEC)			
Design			
FY 2017	21,515	0	0
FY 2018	0	3,110	3,110
FY 2019	0	13,471	13,471
FY 2020	0	4,861	4,861
FY 2021	0	73	73
Total Design	21,515	21,515	21,515
Construction			
FY 2017	7,108	0	0
FY 2018	92,550	9,304	9,304
FY 2019	27,242	24,610	24,610
FY 2020	0	43,483	43,483
FY 2021	0	46,485	46,485
FY 2022	0	3,018	3,018
Total Construction	126,900	126,900	126,900
TEC			

	Appropriations	Obligations	Costs
FY 2017	28,623	0	0
FY 2018	92,550	12,414	12,414
FY 2019	27,242	38,081	38,081
FY 2020	0	48,344	48,344
FY 2021	0	46,558	46,558
FY 2022	0	3,018	3,018
Total, TEC	148,415	148,415	148,415
Other Project Cost (OPC)			
OPC			
FY 2018	1,500	1,500	1,500
FY 2019	340	340	340
FY 2020	263	263	263
FY 2021	6,354	6,354	6,354
FY 2022	667	667	667
Total, OPC	9,124	9,124	9,124
Total Project Cost (TPC)			
FY 2017	28,623	0	0
FY 2018	94,050	13,914	13,914
FY 2019	27,582	38,421	38,421
FY 2020	263	48,607	48,607
FY 2021	6,354	52,912	52,912
FY 2022	667	3,685	3,685
Total, TPC	157,539	157,539	157,539

Advanced Modular Pretreatment System (15-D-409-02): The final schedule will be based on past Tank-Side Cesium Removal Demonstration Subproject performance, including design changes and more than one unit.

	(Dollars in Thousands)		
	Appropriations	Obligations	Costs
Total Estimated Cost (TEC)			
Design			
FY 2019 ¹	14,900	0	0
FY 2024	30,900	9,000	4,600
FY 2025	1,200	38,000	40,000
FY 2026	0	47,000	47,000
Total Design	TBD	TBD	TBD
Construction			
FY 2017 ¹	5,000	0	0
FY 2018 ¹	450	0	0
FY 2019 ¹	13,911	0	0

	(Dollars in Thousands)		
	Appropriations	Obligations	Costs
FY 2024	29,100	0	0
FY 2025	36,300	0	0
FY 2026	78,600	158,000	95,000
Outyears	TBD	TBD	TBD
Total Construction	TBD	TBD	TBD
TEC			
FY 2017 ¹	5,000	0	0
FY 2018 ¹	450	0	0
FY 2019 ¹	28,811	0	0
FY 2024	60,000	9,000	4,600
FY 2025	37,500	38,000	40,000
FY 2026	78,600	158,000	97,400
Outyears	TBD	TBD	TBD
Total, TEC	TBD	TBD	TBD
Other Project Cost (OPC)			
OPC			
FY 2022	500	500	500
FY 2023	3,000	3,000	3,000
FY 2024	7,700	3,000	3,000
FY 2025	3,875	8,575	5,725
FY 2026	15,400	15,400	10,000
Outyears	TBD	TBD	TBD
Total, OPC	TBD	TBD	TBD
Total Project Cost (TPC)			
FY 2017 ¹	5,000	0	0
FY 2018 ¹	450	0	0
FY 2019 ¹	28,811	0	0
FY 2022	500	500	500
FY 2023	3,000	3,000	3,000
FY 2024	67,700	12,000	7,600
FY 2025	41,375	46,575	45,725
FY 2026	94,000	173,400	107,400
Outyears	TBD	TBD	TBD
Total, TPC	TBD	TBD	TBD

¹ Prior year carryover from the Tank-Side Cesium Removal Demonstration Subproject.

Overall Project (15-D-409)¹

	(dollars in thousands)		
	Appropriations	Obligations	Costs
Total Estimated Cost (TEC)			
Design			
FY 2015	21,791	5,765	5,765
FY 2016	60,827	25,544	25,544
FY 2017	44,961	46,175	46,175
FY 2018	0	30,092	30,092
FY 2019	14,900	14,926	14,926
FY 2020	0	5,034	5,034
FY 2021	0	43	43
FY 2022	0	0	0
FY 2023	0	0	0
FY 2024	30,900	9,000	4,600
FY 2025	1,200	38,000	40,000
FY 2026	0	0	0
Total Design	TBD	TBD	TBD
Construction			
FY 2015	1,209	1,209	1,209
FY 2016	14,173	14,173	14,173
FY 2017	28,039	11,523	11,523
FY 2018	93,000	12,571	12,571
FY 2019	41,153	25,751	25,751
FY 2020	0	43,479	43,479
FY 2021	0	46,485	46,485
FY 2022	0	3,022	3,022
FY 2023	0	0	0
FY 2024	29,100	0	0
FY 2025	36,300	0	0
FY 2026	78,600	158,000	95,000
Outyears	TBD	TBD	TBD
Total Construction	TBD	TBD	TBD
TEC			
FY 2015	23,000	6,974	6,974
FY 2016	75,000	39,717	39,717
FY 2017	73,000	57,698	57,698
FY 2018	93,000	42,663	42,663
FY 2019	56,053	40,677	40,677
FY 2020	0	48,513	48,513
FY 2021	0	46,528	46,528
FY 2022	0	3,022	3,022
FY 2023	0	0	0
FY 2024	60,000	9,000	4,600
FY 2025	37,500	38,000	40,000
FY 2026	78,600	158,000	95,000

Environmental Management/
River Protection/15-D-409
Low Activity Waste
Pretreatment System, Hanford

FY 2026 Congressional Justification

	(dollars in thousands)		
	Appropriations	Obligations	Costs
Outyears	TBD	TBD	TBD
Total, TEC	TBD	TBD	TBD
Other Project Cost (OPC)			
OPC			
FY 2014	4,397	4,397	4,397
FY 2015	5,252	5,252	5,252
FY 2016	408	408	408
FY 2017	447	447	447
FY 2018	1,853	1,853	1,853
FY 2019	340	340	340
FY 2020	263	263	263
FY 2021	6,354	6,354	6,354
FY 2022	1,167	1,167	1,167
FY 2023	3,000	3,000	3,000
FY 2024	7,700	3,000	3,000
FY 2025	3,875	8,575	5,725
FY 2026	15,400	15,400	10,000
Outyears	TBD	TBD	TBD
Total, OPC	TBD	TBD	TBD
Total Project Cost (TPC)			
FY 2014	4,397	4,397	4,397
FY 2015	28,252	12,226	12,226
FY 2016	75,408	40,125	40,125
FY 2017	73,447	58,145	58,145
FY 2018	94,853	44,516	44,516
FY 2019	56,393	41,017	41,017
FY 2020	263	48,776	48,776
FY 2021	6,354	52,882	52,882
FY 2022	1,167	4,189	4,189
FY 2023	3,000	3,000	3,000
FY 2024	67,700	12,000	7,600
FY 2025	41,375	46,575	45,725
FY 2026	94,000	173,400	107,400
Outyears	TBD	TBD	TBD
Total, TPC	TBD	TBD	TBD

¹ Includes costs incurred prior to inception of the Tank-Side Cesium Removal Demonstration Subproject.

Details of Project Cost Estimate**Tank-Side Cesium Removal Demonstration Subproject (15-D-409-01)**

	(dollars in thousands)		
	Current Total Estimate	Previous Total Estimate	Original Validated Baseline
Total Estimated Cost (TEC)			
Design			
Design	21,515	21,515	N/A
Contingency			N/A
Total, Design	21,515	21,515	N/A
Construction			
Building & Site Work	126,900	126,900	N/A
Contingency			N/A
Total Construction	126,900	126,900	N/A
Total, TEC	148,415	148,415	N/A
Contingency, TEC			N/A
Other Project Cost (OPC)			
OPC except D&D			
Conceptual Planning	500	500	N/A
Conceptual Design	2,000	2,000	N/A
Other, OPC	6,624	6,624	N/A
Total, OPC except for D&D	9,124	9,124	N/A
Total, OPC	9,124	9,124	N/A
Contingency, OPC			N/A
Total, Total Project Cost	157,539	157,539	N/A
Total, Contingency			N/A

Advanced Modular Pretreatment System (15-D-409-02)

	(dollars in thousands)		
	Current Total Estimate	Previous Total Estimate	Original Validated Baseline
Total Estimated Cost (TEC)			
Design			
Design	TBD	TBD	TBD
Contingency	TBD	TBD	TBD
Total, Design	TBD	TBD	TBD
Construction			

Environmental Management/
River Protection/15-D-409
Low Activity Waste
Pretreatment System, Hanford

FY 2026 Congressional Justification

	(dollars in thousands)		
	Current Total Estimate	Previous Total Estimate	Original Validated Baseline
Building & Site Work	TBD	TBD	TBD
Contingency	TBD	TBD	TBD
Total Construction	TBD	TBD	TBD
Total, TEC	TBD	TBD	TBD
Contingency, TEC	TBD	TBD	TBD
Other Project Cost (OPC)			
OPC except D&D			
Conceptual Planning	TBD	TBD	N/A
Conceptual Design	TBD	TBD	N/A
Permitting	TBD	TBD	N/A
Commissioning	TBD	TBD	N/A
Other, OPC	TBD	TBD	N/A
Total, OPC except for D&D	TBD	TBD	N/A
Total, OPC	TBD	TBD	N/A
Contingency, OPC	TBD	TBD	N/A
Total, Total Project Cost	TBD	TBD	N/A
Total, Contingency	TBD	TBD	N/A

Overall Project (15-D-409)¹

	(dollars in thousands)		
	Current Total Estimate	Previous Total Estimate	Original Validated Baseline
Total Estimated Cost (TEC)			
Design			
Design	TBD	TBD	N/A
Contingency	TBD	TBD	N/A
Total, Design	TBD	TBD	N/A
Construction			
Building & Site Work	TBD	TBD	N/A
Contingency	TBD	TBD	N/A
Total Construction	TBD	TBD	N/A
Total, TEC	TBD	TBD	N/A
Contingency, TEC	TBD	TBD	N/A
Other Project Cost (OPC)			
OPC except D&D			
Conceptual Planning	TBD	TBD	N/A
Conceptual Design	TBD	TBD	N/A

Environmental Management/
River Protection/15-D-409
Low Activity Waste
Pretreatment System, Hanford

FY 2026 Congressional Justification

	(dollars in thousands)		
	Current Total Estimate	Previous Total Estimate	Original Validated Baseline
Permitting	TBD	TBD	N/A
Other, OPC	TBD	TBD	N/A
Total, OPC except for D&D	TBD	TBD	N/A
Total, OPC	TBD	TBD	N/A
Contingency, OPC	TBD	TBD	N/A
Total, Total Project Cost ¹	TBD	TBD	N/A
Total, Contingency	TBD	TBD	N/A

¹ Includes costs incurred prior to inception of the Tank-Side Cesium Removal Demonstration Subproject.

4. Schedule of Appropriation Requests

(Dollars in Thousands)

Request		Prior Years		FY 2024	FY 2025	FY 2026			OutYears	Total
FY 2015	TEC	23,000		0	0	0			TBD	23,000
	OPC	9,649		0	0	0			TBD	9,649
	TPC	32,649		0	0	0			TBD	32,649
FY 2016	TEC	98,000		0	0	0			TBD	98,000
	OPC	10,057		0	0	0			TBD	10,057
	TPC	108,057		0	0	0			TBD	108,057
FY 2017	TEC	171,000		0	0	0			TBD	171,000
	OPC	10,504		0	0	0			TBD	10,504
	TPC	181,504		0	0	0			TBD	181,504
FY 2018	TEC	264,000		0	0	0			TBD	264,000
	OPC	12,357		0	0	0			TBD	12,357
	TPC	276,357		0	0	0			TBD	276,357
FY 2019	TEC	320,053		0	0	0			TBD	320,053
	OPC	12,697		0	0	0			TBD	12,697
	TPC	332,750		0	0	0			TBD	332,750
FY 2020	TEC	320,053		0	0	0			TBD	320,053
	OPC	12,960		0	0	0			TBD	12,960
	TPC	333,013		0	0	0			TBD	333,013
FY 2024	TEC	320,053		60,000	TBD	TBD			TBD	TBD
	OPC	23,481		7,700	TBD	TBD			TBD	TBD
	TPC	343,534		67,700	TBD	TBD			TBD	TBD
FY 2025	TEC	320,053		60,000	37,500	TBD			TBD	TBD
	OPC	23,481		7,700	3,875	TBD			TBD	TBD
	TPC	343,534		67,700	41,375	TBD			TBD	TBD
	TEC	320,053		60,000	37,500	78,600			TBD	TBD

Request		Prior Years		FY 2024	FY 2025	FY 2026			OutYears	Total
FY 2026	OPC	23,481		7,700	3,875	15,400			TBD	TBD
	TPC	343,534		67,700	41,375	94,000			TBD	TBD

5. Related Operations and Maintenance Funding Requirements

Start of Operation or Beneficial Occupancy (fiscal quarter or date)	TBD
Expected Useful Life (number of years)	TBD
Expected Future Start of decontamination and decommission of this Capital Asset (fiscal quarter)	TBD

Related Funding Requirements

(Dollars in thousands)				
	Annual Costs		Life Cycle Costs	
	Current Total Estimate	Previous Total Estimate	Current Total Estimate	Previous Total Estimate
Operations and Maintenance	TBD	TBD	TBD	TBD

6. Decontamination and Decommissioning Information

This project is providing new capability and is not replacing a current capability.

The location of this construction project is an environmental management closure site and, therefore, is exempt from the "one-for-one" requirement.

7. Acquisition Approach

To complete this project safely and in the most cost-effective manner, DOE will direct the Tank Waste Operations prime contractor to perform and manage this work. This approach makes the best use of site expertise and efficiently uses the existing contract. Continuity of design will be ensured by making a provision in the subsequent Hanford prime contract, the Integrated Tank Disposition Contract, for assignment of the scope, regardless of the timing of a contract turnover.

The Tank Waste Operations prime contractor organization will serve as the Design Authority responsible for establishing the design requirements and ensuring that design output documents accurately reflect the design basis. The design authority is responsible for design control and ultimate technical adequacy of the design process. These responsibilities are applicable whether the process is conducted full in-house, partially contracted to outside organizations, or fully contracted to outside organizations. The Design Authority will carefully control and monitor each design tier to ensure the design inputs, design constraints, design analysis and calculations, and design requirements are identified, accurate, complete, and documented.

Subcontracts will be competitively awarded by the Tank Waste Operations contractor for multiple work scopes to provide best value to the government. Various subcontractors will be used for support services such as engineering design, technical expertise, technology development, permitting, and safety documentation. Subcontracting strategies for these services will be determined based on the circumstances and work scope of each critical decision.

Savannah River

Overview

The Savannah River Site will support the Department of Energy to meet the cleanup challenges of the nation's Manhattan Project and Cold War legacy responsibilities. The Savannah River Site's EM mission includes safely storing, treating, and disposing of a variety of radioactive and hazardous waste streams, remediating the environment, deactivating and decommissioning excessed facilities, stabilization and immobilization of tank waste, and the secure storage of foreign and domestic nuclear materials including spent nuclear fuel and plutonium. The end-state of the Savannah River Site will be the elimination or minimization of nuclear materials, spent nuclear fuel, plutonium, and waste through safe stabilization, treatment, and/or disposition as well as environmental cleanup to non-residential levels.

EM has stewardship responsibilities for the Savannah River National Laboratory, a multi-program Federally Funded Research and Development Center that applies unique and specialized capabilities to assist our Nation in mitigating the hazards associated with the Cold War legacy waste; and sustaining and improving our nuclear security. The Savannah River National Laboratory leverages its competencies and capabilities to advance solutions to these critical national needs for all its customers and applies developed technologies to assist sites across the DOE complex in meeting cleanup requirements.

The direct maintenance and repair activities at the Savannah River Site is estimated to be \$278,080,000 in FY 2026.

Highlights of the FY 2026 Budget Request

The Liquid Waste Program will achieve additional risk reduction by stabilization and immobilization of high activity radionuclides through vitrification into canisters at the Defense Waste Processing Facility and disposition of low-level waste in Saltstone Disposal Units. To reach the end state of the Savannah River Site Liquid Waste Mission, the Savannah River Site will accelerate risk reduction by optimizing the fully integrated Liquid Waste system. This will initially be performed by processing higher curie salt feed batches and improving filtration through the Salt Waste Processing Facility. Once the high curie salt batches are completed the Next Generation Solvent will be implemented at the Salt Waste Processing Facility when needed to enhance curie reduction. Additionally, the Savannah River Site will prioritize the closure of Tanks 9, 10, 11, 13, 14, and 15 which reside in the water table. These tanks carry the highest liability to the Liquid Waste Mission and will be accelerated to reduce this risk as early as possible. The FY 2026 request includes other project cost and total estimated cost funding for one line-item construction project: Saltstone Disposal Units 10-12 at \$59,300,000 (includes \$52,500,000 of Design and Construction and \$6,800,000 of Other Project Cost funds).

The Nuclear Materials Stabilization and Disposition Program will meet 50 U.S. Code § 2633 that requires continued operations and maintaining a high state of readiness for H-Canyon. In FY 2026, the Department will maintain safe and secure storage of special nuclear material and dispose of plutonium consistent with the President's Executive Order on Reinvigorating the Nuclear Industrial Base. The Nuclear Material Stabilization and Disposition Program will provide safe storage of spent nuclear fuel in L-Basin and support receipts of research reactor spent nuclear fuel from both domestic and foreign sources.

The Solid Waste Stabilization and Disposition Program will continue to store, treat, and dispose of transuranic, low-level, mixed low-level, and hazardous waste, as well as pollution prevention, waste minimization, waste certification, and other waste management support functions. Risk reduction efforts will continue through dismantlement and removal of excess legacy waste processing structures and disposal of legacy transuranic waste and mixed low-level waste.

The Soil and Water Remediation and Facility Deactivation and Decommissioning Program will continue to remediate Savannah River Site contaminated soils, groundwater, streams (and associated wetlands), and waste sites, governed through enforceable regulatory milestones and commitments; and to deactivate and decommission EM-owned excess facilities.

The Savannah River Community and Regulatory Support Program supports the Citizens Advisory Board; the South Carolina Department of Environmental Services for the implementation of the DOE and South Carolina Agreement in Principle for the Environmental Surveillance and Oversight Program for independent and periodic monitoring of discharges, emissions, or biological parameters necessary and required to verify the effectiveness of the DOE programs; and the Environmental Protection Agency for oversight and implementation of the Federal Facility Agreement.

The Safeguards and Security Program will continue to protect nuclear materials, sensitive weapon and nuclear material production technology, equipment, information facilities, and support the EM environmental cleanup program. This request includes EM's share of cyber security scope to protect government information and technology systems in support of the missions executed at the Site within the existing Safeguards and Security PBS SR-0020 structure.

The Savannah River National Laboratory will continue to support EM environmental cleanup efforts at Savannah River and across the EM complex by providing integrated solutions that are both modern and practical to address complex environmental cleanup and closure, as well as long-term surveillance and maintenance problems. The Laboratory plays a critical role for the National Nuclear Security Administration in both weapons and non-proliferation programs by providing essential, enduring, and increasing surveillance, operational/production technology advancement, and research and development services to the National Nuclear Security Administration Defense Program; conducts significant nonproliferation research and development for the National Nuclear Security Administration, the Advanced Technology Proving Grounds, and other national security missions; and manages the Mobile Plutonium Facility. The Laboratory also supports Offices of Science, Legacy Management and Cybersecurity, Energy Security, and Emergency Response.

The Infrastructure and Land Management Program manages a portfolio of EM resources, facilities, and common infrastructure needed for its mission, some of which are degraded to a level that puts them at risk for supporting missions. The majority of this portfolio transitioned to National Nuclear Security Administration responsibility as part of the shift in stewardship of the Savannah River Site in FY 2025.

The Savannah River Security System Replacement Project (19-D-701) K-Area portion transitioned to the National Nuclear Security Administration in FY 2025. The L Area and the Balance of Plant portions of the project will continue to be executed by EM at Savannah River.

FY 2025-2026 Key Milestones/Outlook

- (November 2025) Submit Rev. 0 Early Action Statement of Basis / Proposed Plan for Beneficial Reuse Coal Ash Units (A-Ash Pile, A-Coal Pile Runoff Basin, F-Ash Landfill, H-Ash Basin, K-Ash Basin, and L-Ash Basin).
- (December 2025) Complete Preliminary Cease Waste Removal for three High-Level Waste Tank.
- (February 2026) Issue Seventh Five-Year Remedy Review Report for Savannah River Site Operable Units with Groundwater Remedies.
- (June 2026) Submit Rev. 0 Early Action Record of Decision Remedial Alternative Selection for Beneficial Reuse Coal Ash Units (A-Ash Pile, A-Coal Pile Runoff Basin, F-Ash Landfill, H-Ash Basin, K-Ash Basin, and L-Ash Basin).
- (July 2026) Submit D-Area Ash Basin Wetlands in Support of Savannah River and Floodplain Swamp Integrator Operable Unit Rev. 0 Record of Decision Remedial Alternative.

Regulatory Framework

The DOE-Savannah River Operations Office and its contractors will continue to work proactively with the South Carolina Department of Environmental Services, the Environmental Protection Agency-Region 4, the Nuclear Regulatory Commission, the Defense Nuclear Facilities Safety Board, and stakeholders to accomplish the environmental cleanup and risk reduction objectives at Savannah River Site. There are several key agreements, laws, and regulations to govern cleanup of the Site:

- Federal Facility Agreement for the Savannah River Site
- Comprehensive Environmental Response, Compensation, and Liability Act
- Resource Conservation and Recovery Act Permits
- South Carolina Industrial Wastewater Permits
- Public Law 107-107, National Defense Authorization Act for FY 2002, Section 3155, Disposition of Surplus Defense Plutonium at the Savannah River Site, Aiken, South Carolina
- Section 3137 of the National Defense Authorization Act for FY 2001 (Public Law 106-398) as amended by Section 3115 of the National Defense Authorization Act for FY 2004 (Public Law 108-136). (50 U.S. Code § 2633 continuation of processing treatment and disposal of legacy nuclear materials.)
- Savannah River Site Treatment Plan in accordance Section 3021(b) of the Resource Conservation and Recovery Act as added by the Federal Facility Compliance Act
- Section 3116 of the Ronald W. Reagan National Defense Authorization Act for FY 2005

In relation to PBS SRS-0014C, Radioactive Liquid Tank Waste Stabilization and Disposition, negotiation of new Federal Facility Agreement milestones was successfully completed, and agreement signed on December 27, 2022. This negotiation resolved all elements of the Savannah River Site Federal Facility Agreement Appendix L, Statement of Dispute Resolution, entered in November 2007 and most recently revised in the Suspension Agreement (April 2019), with the exceptions of Paragraphs 9.b and 18 from the 2007 Statement of Dispute Resolution in Appendix L, by committing to implement the actions in this 2022 High Level Waste Tank Milestones Agreement. The new Liquid Waste milestones consist of commitments of Preliminary Cease Waste Removal from 16 non-compliant storage tanks starting in FY 2025 and commitments to complete operational closure of 16 non-compliant storage tanks starting in FY 2029. There is one additional regulatory commitment to submit Revision 0 of the F-Area Diversion Boxes FDB-5 and -6 Explanation of Significant Difference to the Interim Record of Decision, F-Area Tank Farm, Tanks 17 and 20 by 9/30/2023 (complete) and to issue this document by 3/1/2024 (Complete).

Contractual Framework

Current contracts at the Savannah River Site include:

- Savannah River Nuclear Solutions LLC: Contract is a Management and Operations contract for management and operation of the infrastructure, nuclear materials facilities, soil and water remediation, solid waste, and deactivation and decommissioning work at the Savannah River Site. Savannah River Nuclear Solutions also manages and operates National Nuclear Security Administration activities. This

contract is a cost-plus-award-fee contract. Ownership of this contract will transfer to the National Nuclear Security Administration as part of the shift in stewardship of the Savannah River Site in FY 2025.

- Savannah River Mission Completion LLC: Contract covers liquid radioactive waste storage, treatment, stabilization, and disposition and cleaning and closing of the liquid radioactive waste storage tanks and ancillary equipment. The Integrated Mission Completion Contract was awarded with Notice to Proceed on November 29, 2021, to Savannah River Mission Completion LLC. The contract transition period ended February 26, 2022, making the start of the contract with Savannah River Mission Completion LLC effective on February 27, 2022. This is a DOE Environmental Management "END STATE" Indefinite-Delivery/Indefinite-Quantity Contract with a task order ordering period of up to 10 years from the effective date of Contract. Task orders awarded before the end of the ordering period may extend an additional five years.
- Centerra Group, LLC: Contract covers the protective services at the Savannah River Site. It is a cost-plus-award-fee contract. Ownership of this contract will transfer to the National Nuclear Security Administration as part of the shift in stewardship of the Savannah River Site in FY 2025.
- Ameresco Federal Solutions: Contract is for the construction and operation of the Biomass Cogeneration Facility, steam, and electrical power Plant. This delivery order is for the period May 15, 2009 - April 14, 2031. Ameresco will operate and maintain all constructed facilities until Delivery Order completion. It is a third-party financed Energy Savings Performance contract to produce steam and electricity in support of site missions. Ownership of this contract will transfer to the National Nuclear Security Administration as part of the shift in stewardship of the Savannah River Site in FY 2025.
- Battelle Savannah River Alliance: Contract is for the management and operation of the Savannah River National Laboratory. It is a Cost-Plus-Award-Fee contract. It was awarded in December 2020, and contract transition was completed in June 2021. The contract base term is 5 years with 5 one-year award term periods.

Strategic Management

The Savannah River Site cleanup strategy is to eliminate or minimize nuclear materials, spent nuclear fuel, plutonium, and waste through safe stabilization, treatment, and/or disposition. The goal is also to reduce costs of continuing operations, surveillance and maintenance, decommissioning facilities, and remediating groundwater and contaminated soil consistent with regulatory agreements. DOE's completion strategy provides a comprehensive risk-based approach to the legacy cleanup project, such as dispositioning radioactive liquid waste through vitrification of the high activity component at the Defense Waste Processing Facility, use of existing Savannah River Site facilities to receive, store, and disposition aluminum-clad spent nuclear fuel, and decommissioning of all facilities not identified for continuing missions.

The Site's facility footprint has been steadily reduced through execution of the Site's cleanup strategy. The objective of soil and groundwater cleanup and facility decommissioning is to achieve an end state with risk levels compatible with future non-residential use of the Savannah River Site.

The following present the highest risks to timely achievement of the program's strategic goals:

- Ramp-up of operations in the Salt Waste Processing Facility.
Maintaining and operating deteriorating facilities within Environmental Management's purview.

Savannah River

Funding (\$K)

	FY 2024 Enacted	FY 2025 Enacted	FY 2026 Request	FY 2026 Request vs FY 2025 Enacted \$	FY 2026 Request vs FY 2025 Enacted (%)
Defense Environmental Cleanup					
Savannah River Site					
Radioactive Liquid Tank Waste Stabilization and Disposition					
SR-0014C / Radioactive Liquid Tank Waste Stabilization and Disposition- 2035					
Operating	986,573	1,066,000	1,066,000	+0	0%
Construction					
18-D-401: Saltstone Disposal Unit #8/9	31,250	0	0	+0	0%
20-D-401: Saltstone Disposal Unit #10 11 12	56,250	56,250	52,500	-3,750	-7%
	1,074,073	1,122,250	1,118,500	-3,750	0%
Savannah River Legacy Pensions					
SR-0101 / Savannah River Legacy Pensions	33,000	0	0	+0	0%
Savannah River National Laboratory O&M					
SR-SRNL-0100 / SRNL Infrastructure and Support	42,000	42,000	90,719	+48,719	+116%
Savannah River Risk Management Operations					
SR-0011C / NM Stabilization and Disposition	301,365	311,343	240,482	-70,861	-23%
Environmental Management/ Savannah River					

FY 2026 Congressional Justification

SR-0013 / Solid Waste Stabilization and Disposition	43,373	47,951	47,506	-445	-1%
SR-0030 / Soil and Water Remediation & Facility Deactivation and Decommissioning	62,514	67,514	84,478	+16,964	+25%
SR-0041 / Surveillance, Maintenance, and Deactivation	24,582	24,582	22,558	-2,024	-8%
SR-0042 / Infrastructure and Land Management					
Operating	21,032	21,032	1,370	-19,662	-93%
Construction					
18-D-402: Emergency Operations Center	34,733	0	0	+0	0%
19-D-701: SR Security Systems Replacement	0	0	708	+708	0%
	55,765	21,032	2,078	-18,954	-90%
Subtotal, Savannah River Risk Management Operations	487,599	472,422	397,102	-90,497	-19%
SR Community and Regulatory Support					
SR-0100 / Savannah River Community and Regulatory Support	12,389	12,389	5,317	-7,072	-57%
Total, Savannah River Site	1,649,061	1,649,061	1,611,638	-37,423	-2%
Safeguards and Security					
SR-0020 / Safeguards and Security	162,933	170,000	73,126	-96,874	-57%
Total, Defense Environmental Cleanup	1,811,994	1,819,061	1,684,764	-134,297	-7%

**Savannah River
Explanation of Major Changes (\$K)**

FY2025 Enacted	FY2026 Request	FY 2026 Request vs FY 2025 Enacted
---------------------------	---------------------------	---

Defense Environmental Cleanup

Savannah River Site

Radioactive Liquid Tank Waste Stabilization and Disposition

SR-0014C / Radioactive Liquid Tank Waste Stabilization and Disposition-2035

- Decrease due to a reduction in funding for Saltstone Disposition Unit construction.

1,122,250	1,118,500	-3,750
-----------	-----------	--------

Savannah River Legacy Pensions

SR-0101 / Savannah River Legacy Pensions

- Legacy pension was fully funded in FY24.

0	0	+0
---	---	----

Savannah River National Laboratory O&M

SR-SRNL-0100 / SRNL Infrastructure and Support

- Increase reflects the National Nuclear Security Administration budget authority transfer (\$45,000,000) for the National Nuclear Security Administration's share of Operations and Maintenance costs at SRNL and approximately \$3,700,000 due to increased cost of operations.

42,000	90,719	+48,719
--------	--------	---------

Savannah River Risk Management Operations

SR-0011C / NM Stabilization and Disposition

- Decrease due to transfer of K-Area facilities to the National Nuclear Security Administration and deferral of infrastructure projects for H and L facilities.

311,343	240,482	-70,861
---------	---------	---------

SR-0013 / Solid Waste Stabilization and Disposition

- Decrease due to the FY 2025 purchase of Shielded Containers assemblies to support the disposal legacy Remote Handled Transuranic Radioactive Waste in Waste Isolation Pilot Plant instead of FY 2026.

47,951	47,506	-445
--------	--------	------

SR-0030 / Soil and Water Remediation & Facility Deactivation and Decommissioning			
• The increase includes submittal/issuance of Records of Decision (RODs) for regulatory enforceable FFA milestones and the planning of the in-situ decommissioning (ISD) of 235-F, a Hazard Category II facility. FY 2026 includes developing several technical documents, conducting multiple inspections, and ensuring associated gear is available for field activities.	67,514	84,478	+16,964
SR-0041 / Surveillance, Maintenance, and Deactivation			
• The decrease is attributed to a reduction in utilities cost for F/H lab.	24,582	22,558	-2,024
SR-0042 / Infrastructure and Land Management			
• Majority of scope transitions to the National Nuclear Security Administration, including Savannah River Site Security System Replacement Project for K-Area (L-Area and Savannah River National Laboratory's Argus scope will remain with EM).	21,032	2,078	-18,954
SR Community and Regulatory Support			
SR-0100 / Savannah River Community and Regulatory Support			
• Decrease is due to activities being transferred to the National Nuclear Security Administration including Payments in Lieu of Taxes to Aiken, Allendale, and Barnwell counties; South Carolina Department of Natural Resources for management of the Crackerneck Wildlife Management Area and Ecological Reserve; Support to Georgia and South Carolina Emergency Management.	12,389	5,317	-7,072
Safeguards and Security			
SR-0020 / Safeguards and Security			
• The decrease is due to responsibilities being transferred to National Nuclear Security Administration.	170,000	73,126	-96,874
Total, Savannah River	1,819,061	1,684,764	-134,297

Solid Waste Stabilization and Disposition (PBS: SR-0013)

Overview

This Project Baseline Summary can be found within the Defense Environmental Cleanup appropriation.

The scope of this Project Baseline Summary supports storage, treatment, and disposal functions for transuranic, low-level radioactive waste; mixed low-level radioactive waste; hazardous, and sanitary waste; as well as pollution prevention, waste minimization, waste certification, and other waste management support functions including updating the five (5) waste tracking and reporting databases into one more robust and reliable web-based system.

This Project Baseline Summary also includes direct maintenance and repair that are applicable to these areas.

The Solid Waste Management program is responsible for the disposition of the Savannah River Sites' solid wastes, which include construction and demolition, hazardous, low-level radioactive waste and mixed low-level radioactive waste and transuranic wastes. Construction and demolition wastes are generated by construction activities onsite and are disposed in a South Carolina Department of Health and Environmental Control-permitted landfill located onsite. Examples include slightly contaminated soil, deactivation and decommissioning debris, protective clothing, job-control waste, equipment, tools, filters, rags, and papers. This type of radioactive waste is disposed onsite in engineered facilities. This type of waste is subject to regulations governing both waste types. Mixed low-level radioactive waste requires treating prior to disposal at a commercial disposal facility or a federal disposal facility at the Nevada National Security Site. Transuranic waste can include equipment, protective clothing and tools used in the production and management of these radionuclides. The inventory of transuranic waste is packaged, characterized/certified and shipped to the Waste Isolation Pilot Plant for disposal.

The Solid Waste Management program is responsible for the disposal of the legacy waste as well as the newly generated waste. The Site generates approximately 5,000 cubic meters of low-level waste annually and approximately 30 cubic meters of hazardous and mixed low-level waste annually. As of April 1, 2025, only 34 cubic meters of legacy mixed low-level radioactive waste remains in storage. For transuranic waste, the Site generates approximately 20 cubic meters per year. As of April 1, 2025, 130 cubic meters of legacy transuranic waste remains in storage. Approximately 47 shipments to the Waste Isolation Pilot Plant are expected to complete disposal of the Site's legacy transuranic waste in storage.

DOE waste generator sites fund their respective site transuranic waste characterization activities such as visual examination, real time radiography, nondestructive assay, dose-to-curie conversion, and flammable gas analysis. Project Baseline Summary Central Characterization Project (CB-0081) funds certification of waste characterization activities of legacy and newly generated transuranic waste at Savannah River Site, Oak Ridge National Laboratory, Lawrence Livermore National Laboratory, and Los Alamos National Laboratory, whereas the Idaho National Laboratory funds its waste characterization certification. Transportation certification is funded by Project Baseline Summary Central Characterization Project (CB-0081).

Solid Waste Stabilization and Disposition (PBS: SR-0013)

Activities and Explanation of Changes

FY2025 Enacted	FY2026 Request	Explanation of Changes - FY 2026 Request vs FY 2025 Enacted
\$47,951,000	\$47,506,000	-\$445,000
<u>Solid Waste Management Program (\$47,951,000)</u> • Maintain Solid Waste management facilities to support site operation, including the construction debris landfill. In addition, the support of Waste Acceptance assessment needed to enable shipment to Waste Isolation Pilot Plant. • Ship approximately 65 m³ contact-handled transuranic waste to the Waste Isolation Pilot Plant. • Support treatment/storage/disposal of approximately 5,000 m³ of newly generated low-level radioactive waste. • Support treatment/storage/disposal of approximately 3 m³ of mixed low-level radioactive waste. • Support treatment/storage/disposal of approximately 200 m³ of hazardous waste. • Continue revision of the Performance Assessment of E Area to demonstrate appropriate long-term protection of the public and environment following closure of the facilities.	<u>Solid Waste Management Program \$47,506,000</u> • Maintain Solid Waste management facilities to support site operation, including the construction debris landfill. In addition, the support of Waste Acceptance assessment needed to enable shipment to Waste Isolation Pilot Plant. • Ship 40 m³ contact-handled and remote-handle transuranic waste to the Waste Isolation Pilot Plant, dependent on availability to accept by the Waste Isolation Pilot Plant. • Support treatment/storage/disposal of up to 5,100 m³ of newly generated low-level radioactive waste. • Support treatment/storage/disposal of up to 10 m³ of mixed low-level radioactive waste. • Support treatment/storage/disposal of up to 200 m³ of hazardous waste. • Continue revision of the Performance Assessment of E Area to demonstrate appropriate long-term protection of the public and environment following closure of the facilities.	• Decrease due to the FY 2025 purchase of Shielded Containers assemblies to support the disposal legacy Remote Handled Transuranic Radioactive Waste in Waste Isolation Pilot Plant instead of FY 2026.

Soil and Water Remediation & Facility Deactivation and Decommissioning (PBS: SR-0030)

Overview

The scope of this Project Baseline Summary includes remediation of the Savannah River Site contaminated soil, groundwater, streams (and associated wetlands) and waste sites, which is governed through enforceable regulatory milestones and commitments in accordance with Resource Conservation and Recovery Act and other Permits; the Comprehensive Environmental Response, Compensation, and Liability Act; and the Federal Facility Agreement to reduce risk and to protect groundwater aquifers and surface waters from the spread of contamination by addressing sources of contamination using an Area Completion Approach.

This Project Baseline Summary also includes direct maintenance and repair activities that are applicable to these areas.

Soil and Water Remediation

The Soil and Water Remediation program includes the operation and maintenance of three (3) active soil and groundwater remedial systems, the monitoring of 13 low energy systems, and 25 passive (natural attenuation) regulatory required soil and groundwater remedial systems to contain contaminant plumes within the Savannah River Site boundary, and to protect human health and the environment. Also included is the continuing post-closure and post-Record of Decision care, and surveillance and maintenance at 75 closed waste sites (approximately 1,000 acres in total area) and at 27 surplus facilities to prevent deterioration, environmental releases, or structural failure. The program also monitors, analyzes, and reports on over 2,000 groundwater wells and five major streams, the Savannah River Floodplain Swamp, and the Savannah River to demonstrate effectiveness of remedial systems. Included is operation and maintenance of the Phytoremediation System operated by the United States Department of Agriculture Forest Service via an interagency agreement and located at the Mixed Waste Management Facility.

Federal Facility Agreement

This fiscal year budget request supports the next phase of enforceable regulatory cleanup projects from the rolling three-year commitments in the Federal Facility Agreement among the Department, South Carolina Department of Environmental Services, and the Environmental Protection Agency. Included are activities performed under the financial assistance award issued to the Savannah River Ecology Laboratory for independent studies in support of the integrated operable unit program.

Area Completion

The cleanup mission is the remediation of soil and water at 515 waste units plus the deactivation and decommissioning of over 1,100 excess facilities constructed in support of nuclear materials production. Cleanup and decommissioning will continue until all areas at the Savannah River Site are completed. Units at which waste is left at levels precluding unrestricted use are placed under post-closure care with institutional controls including access and land use restrictions, inspections, maintenance, long-term monitoring, and reporting. Groundwater corrective actions and effectiveness monitoring are performed as appropriate.

F-Area Material Storage Building, 235-F

F-Area Material Storage Building, 235-F at the Savannah River Site was part of the original construction in the early 1950s. The facility is a blast resistant, windowless, two-story, reinforced concrete structure about 222 feet long, 109 feet wide, and 28 feet high located in F-Area near the F Canyon. Building 235-F housed several deactivated processing lines, including the Plutonium Fuel Form facility, Actinide Billet Line, Plutonium Experimental Facility, and the old Metallurgical Laboratory glovebox. The project to deactivate the 235-F facility was started in FY 2020 under PBS SR-0041 and completed in early FY 2023. The deactivation project involved shutdown of all active structures, systems, and components in Building 235-F along with

electrical/mechanical isolation of the building. The 235-F decommissioning project was initiated in FY 2023 with the EM-1 approval of the CD-0/1 Mission Need/Alternative Selection. Demolition and removal of ancillary equipment and facilities began in FY 2023 and will continue through FY 2026.

An evaluation of potential closure alternatives identified permanent in-situ decommissioning as having the best balance of trade-offs when compared to the complete demolition and removal of Building 235-F. In-situ decommissioning will be far less hazardous to workers than demolition and removal, and protective of human health and the environment in the long term by encapsulating plutonium-238 contamination within the robust, grouted process areas of the facility. In-situ decommissioning is also estimated to cost over \$100 million less than demolition and removal. The permanent decommissioning of Building 235-F will be a major step toward risk reduction and final closure of the nuclear F Area of the Savannah River Site. The 235-F in-situ decommissioning project will occur commensurate with requirements set forth per the EM-1 memo approving its CD-0/1 (Mission Need and Alternative Selection & Cost Range) for a scheduled CD-4 project completion between FY2027 and FY2029. The in-situ decommissioning of 235F is an EM priority and commitment to the Defense Nuclear Facility Safety Board.

Soil and Water Remediation & Facility Deactivation and Decommissioning (PBS: SR-0030)

Activities and Explanation of Changes

FY2025 Enacted	FY2026 Request	Explanation of Changes - FY 2026 Request vs FY 2025 Enacted
\$67,514,000	\$84,478,000	+\$16,964,000
<u>Soil and Water Remediation (\$56,314,000)</u> - Achieve compliance with over 71 enforceable Federal Facility Agreement (Resource Conservation and Recovery Act/ Comprehensive Environmental Response, Compensation, and Liability Act) milestones and Resource Conservation and Recovery Act permit commitments. - Operate and maintain 41 regulatory-required soil and groundwater remedial systems (3 active, 13 low energy system, & 25 passive and 1 suspended) to protect groundwater aquifers, site streams, and the Savannah River. - Conduct post-closure and post-Record of Decision care, surveillance, and maintenance at 75 closed waste sites (approximately 1,000 acres) to prevent	<u>Soil and Water Remediation (\$67,241,000)</u> - Sitewide services and support functions for day-to-day operations. - Achieve compliance with all agreed upon enforceable Federal Facility Agreement (Resource Conservation and Recovery Act/ Comprehensive Environmental Response, Compensation, and Liability Act) milestones and Resource Conservation and Recovery Act permit commitments. - Operate and maintain 41 regulatory-required soil and groundwater remedial systems (3 active, 13 low energy system, & 25 passive) to protect human health, groundwater aquifers, site streams, and the Savannah River. - Conduct post-closure and post-Record of Decision care, surveillance, and maintenance at 75 closed waste sites	The increase includes submittal/issuance of Records of Decision (RODs) for regulatory enforceable FFA milestones and the planning of the in-situ decommissioning (ISD) of 235-F, a Hazard Category II facility. FY 2026 includes developing several technical documents, conducting multiple inspections, and ensuring associated gear is available for field activities.

deterioration, and environmental releases.

- Monitor, analyze, and report on over 2,000 groundwater wells and 5 major streams, the Savannah River Floodplain Swamp, and the Savannah River to demonstrate effectiveness of remedial systems.
- Perform surveillance and maintenance of Area Completion Projects' inactive facilities to maintain safe and stable facility conditions.
- Continue oversight of activities performed under financial assistance awards with City of Savannah and Savannah River Ecology Laboratory, and the interagency agreement with US Forrest Service.
- Initiate Field Start for Building 716-A, Automotive Repair Facility and Building 725-A, Paint Shop.

235-F Deactivation and Decommissioning
(\$11,200,000)

- Support surveillance & maintenance and development of Critical Decision-0/1 project documentation. Continued work on the decommissioning plan with design, regulatory and nuclear safety scope.

(approximately 1,000 acres) to prevent deterioration, and environmental releases.

- Monitor, analyze, and report on over 2,000 groundwater wells and 5 major streams, the Savannah River Floodplain Swamp, and the Savannah River to demonstrate effectiveness of remedial systems.
- Perform surveillance and maintenance of Area Completion Projects' inactive facilities to maintain safe and stable facility conditions.
- Conduct oversight of activities performed under financial assistance awards with Savannah River Ecology Laboratory, and the interagency agreement with the United States Department of Agriculture Forest Service.
- Support 235-F continued surveillance & maintenance until decommissioning.
- Submit the Rev. 0 Early Action Record of Decision (ROD) and Remedial Alternative Selection for Beneficial Reuse of Six Coal Ash Units.
- Issue ROD for ECODS L-3 (East of L Area) (NBN), L-Area Rubble Pit (131-1L), and L-Area Rubble Pit (131-4L).
- D-Area contaminants removal action design and associated remedial documentation.

235-F Deactivation and Decommissioning
(\$17,237,000)

- Continued progress to achieve near term in-situ decommissioning (ISD) of 235-F via further development of 413.3B combined critical decision CD-2/3 documentation for submittal/approval, finalized decommissioning design, technical baseline development, project reviews (e.g., IPR), nuclear safety bases revision, regulatory documents and to develop the

decommissioning request for proposal to
initiate ISD in the field.

Surveillance, Maintenance and Deactivation (PBS: SR-0041)

Overview

This Project Baseline Summary can be found within the Defense Environmental Cleanup appropriation.

This Project Baseline Summary covers scope for the surveillance and maintenance of non-operating nuclear facilities (Consisting of F-Area Complex Facilities, as well as the Receiving Basin for Off-Site Fuels Facility in H-Area), deactivation of 235-F Pu Facility, F/H Laboratory Facility, and future deactivation of nuclear facilities currently operating at the Savannah River Site. The surveillance and maintenance end-state will be accomplished when the capabilities of the facilities are no longer needed (all remaining materials have been dispositioned), and deactivation has been completed and are ready to be turned over for decommissioning.

F-Area Complex

The F-Area Complex is comprised of the deactivated F Canyon building including the FB-Line, 235-F Pu Facility, F/H Analytical Laboratory, industrial support facilities, administrative buildings, sand filter facilities, and supporting utilities including water, steam, electricity, industrial air, conditioned air, underground transfer piping, and sanitary waste. Like the H Canyon, the F Canyon was also built in the 1950s and is approximately the same size as H Canyon (1,028 feet long, 122 feet wide and 71 feet tall) with FB-Line located on top of the F Canyon. Although similar in size and capabilities to H Canyon, the missions for these two facilities were different with F Canyon focused on plutonium production and H Canyon focused on uranium recovery.

This Project Baseline Summary also supports all general area maintenance, as well as emergency preparedness, firewater, utilities, lighting, building and grounds maintenance.

Receiving Basin for Offsite Fuels Facility

A project was initiated in 1997 to de-inventory the Receiving Basin for Off-Site Fuels Facility due to size limitations that would not support increased off-site receipts and transfer the spent nuclear fuel to L-Basin. This effort was completed in 2006 with the complete de-inventory and shutdown of the Receiving Basin for Off-Site Fuels Facility.

The Receiving Basin for Offsite Fuels surveillance and maintenance activities include periodic rounds, inspections, and maintenance to ensure the facility does not pose risks to the environment, site workers, or the general public; activities needed to maintain the facility in accordance with safety basis requirements; maintenance of operating procedures, continued operator training, and support for housekeeping and safety initiatives to comply with Department of Labor, Office of Occupational Safety and Health Administration requirements; and activities necessary for cost-effective management, planning, and oversight.

F/H Analytical Laboratory

The F/H Laboratory performed analytical sampling from radiochemical processing and radiological environmental monitoring programs at the site for over 55 years. To reduce costs and streamline capabilities for analytical services at the Site, DOE initiated a multi-year project to relocate analytical services and methods from the F/H analytical laboratory facilities in F Area to Savannah River National Laboratory's main laboratory in A Area. In FY 2023 the F/H laboratory became excess and is undergoing a planned multi-year facility deactivation.

Surveillance, Maintenance and Deactivation (PBS: SR-0041)

Activities and Explanation of Changes

FY2025 Enacted	FY2026 Request	Explanation of Changes - FY 2026 Request vs FY 2025 Enacted
\$24,582,000	\$22,558,000	-\$2,024,000
<u>Facility Surveillance and Maintenance (\$18,582,000)</u> - Continue surveillance and maintenance of the F-Area Complex Facilities including F-Canyon, FB Line, and 235-F, as well as the Receiving Basin for Off-Site Fuels Facility. <u>F/H Laboratory (\$6,000,000)</u> - Complete deactivation of five areas/zones inside F/H lab.	<u>Facility Surveillance and Maintenance (\$16,558,000)</u> - Continue surveillance and maintenance of the F-Area Complex Facilities including F-Canyon, FB Line, and F/H laboratory, as well as the Receiving Basin for Off-Site Fuels Facility. <u>F/H Laboratory Deactivation (\$6,000,000)</u> - Supports deactivation of F/H lab.	Reduction due to reduced annual utility costs for F/H laboratory. (\$2,024,000)

Infrastructure and Land Management (PBS: SR-0042)

Overview

This Project Baseline Summary can be found within the Defense Environmental Cleanup appropriation.

The majority of this scope transferred to the National Nuclear Security Administration. This remaining EM scope supports EM specific Site functions including infrastructure and land management activities to address EM mission needs.

Infrastructure and Land Management

This Project Baseline Summary supports EM specific infrastructure and land management activities that directly address needs to achieve the EM mission.

The Savannah River Security System Replacement Project was originally executed as an operating expense funded project to replace the existing aging and at-risk security system at the SRS Category I and II nuclear facilities and the balance of the site where Electronic Safeguards and Security is utilized. Beginning in FY 2019, during execution of Phase I final design, Congress requested that the Total Estimated Cost of this project be appropriated in a capital Line-Item construction account. The most recent DOE Order 413.3B milestone approved for the project is Critical Decision-1, which occurred on June 28, 2016, with a cost range of \$49,423,000 to \$91,470,000 and a Critical Decision-4 range of FY 2022 to FY 2028. The project was phased as subprojects per DOE Order 413.3B with the first subproject, H-Area Argus obtaining CD-4 on May 12, 2020, at \$18M. The second subproject, K-Area Argus was canceled on December 12, 2024, after 94% completion at \$23M due to transition of K-Area landlord scope to NNSA. The last subproject combines the remaining SRNL/General site Argus with L-Area Argus which is expected to receive CD-2/3 approval to start execution in FY26.

Infrastructure and Land Management (PBS: SR-0042)

Activities and Explanation of Changes

FY2025 Enacted	FY2026 Request	Explanation of Changes - FY 2026 Request vs FY 2025 Enacted
\$21,032,000	\$2,078,000	-\$18,954,000
<u>Infrastructure & Land Management (\$21,032,000)</u> - Implement site Natural Resource Management Plan and comply with applicable regulations. - Manage 65,000 acres for red-cockaded woodpecker habitat. The Forest Service aided in the growth of the endangered red-cockaded woodpecker population which	<u>Infrastructure & Land Management (\$1,370,000)</u> - Funds support DOE land transfer activities. <u>Capital Projects (\$708,000)</u> 19-D-701 – Construction to begin for Savannah River Site Security System Replacement (Argus) Project (\$708,000) for L-Area and Savannah River National Laboratory's Argus scope.	<u>Infrastructure & Land Management (- \$19,662,000)</u> - Decrease due to responsibilities transferring to the National Nuclear Security Administration. <u>Capital Projects (+\$708,000)</u> 19-D-701 Savannah River Site Security System Replacement Project.

started with four birds in 1986 and now stands at approximately 500. • Complete over 20,000 acres of prescribed forest fire burns. Prescribed burns help reduce accumulations of forest fuel, improve the forestland health, manage habitats of threatened and endangered species, and restore native environments for trees such as the longleaf pine. • Reintroduce native plants to enhance the restoration of the native savanna. • Control non-native invasive plants and animals, such as feral hogs. • Improve watershed conditions through the restoration of vegetation in old borrow pits and spoil piles, the stabilization of stream channels, and the restoration of Carolina Bays and wetlands in swamp areas on the Savannah River Site. • Partner with Savannah River Site contractors and national conservation programs to host the annual Wounded Warrior/Mobility Impaired Ultimate Turkey Hunt and the Wounded Warrior/Mobility Impaired Fishing Challenge. • Maintain the Savannah River Site's secondary roads, boundary, and wellness trails. • Manage, maintain, and sustain a healthy forest that produces a marketable timber crop that is harvested and sold. • Provide sound environmental stewardship and serve the public through an independent evaluation of the ecological effects of Savannah River Site operations on the environment. • Continue to manage the Savannah River Site National Environmental Research Park. <u>19-D-701 Savannah River Site Security System Replacement Project (\$0)</u>	• FY26 funding will support CD-2/3 approval only.	• Started L Area Argus design and baseline development. • Cancelled K Area Argus subproject.
---	---	---

-
- Start L Area Argus design and baseline development.
 - Cancelled K Area Argus subproject.

NM Stabilization and Disposition (PBS: SR-0011C)

Overview

This Project Baseline Summary can be found within the Defense Environmental Cleanup appropriation.

This Project Baseline Summary includes the management and disposition of nuclear materials and spent nuclear fuel, primarily located in H-, K-, and L-Areas at the Savannah River Site. The H-Area facilities continue to stabilize and disposition legacy EM-owned nuclear materials through the operation of H Canyon with Savannah River National Laboratory providing analytical support. This Project Baseline Summary also includes surveillance and maintenance of HB Line. Programmatic and physical support activities related to safe receipt, inventory management, and disposition of special nuclear materials residing in K-Area and disposition of spent fuel residing in L-Area Basin will continue. The end-state will be accomplished when the capabilities of the facilities are no longer needed (all remaining materials have been dispositioned), and when the facilities have been deactivated and turned over for final disposition.

H-Area

H-Area supports the DOE complex by reducing proliferation risks of nuclear materials in storage throughout the world. H-Area is comprised of the H Canyon building including the HB-Line glovebox facility, large storage tanks containing various chemical solutions, industrial support facilities, administrative buildings, sand filter facility, and supporting utilities including water, steam, electricity, industrial and conditioned air systems, underground transfer piping, and sanitary waste.

H Canyon, constructed in the early 1950s, has been in continuous operation since 1955. It is 1,028 feet long, 122 feet wide and 71 feet tall, with several levels to accommodate the various stages of material stabilization, including control rooms to operate and maintain equipment and processes necessary to maintain the safety envelope, equipment and piping gallery for solution transport, storage, and disposition. Due to high levels of radiation, work in the canyon (including maintenance) is remotely performed by overhead bridge cranes. The HB-Line is located on top of H Canyon and was built in the early 1980s to support the nation's deep space exploration program and to recover legacy materials stored in H Canyon.

H Canyon, the nation's only hardened production scale, chemical separation facility remaining in the United States of America is integral to DOE's efforts to minimize and eliminate nuclear materials through safe dissolution, allowing proper disposition of the material thereby reducing proliferation risks and long-term costs associated with storage of the materials. The approved Accelerated Basin De-inventory mission allows for the dissolution of Spent Nuclear Fuel.

K-Area

K-Area is a nuclear facility owned by National Nuclear Security Administration that provides interim storage of excess plutonium and other special nuclear materials. The facility also receives and stores plutonium from foreign countries to support the National Nuclear Security Administration's Nuclear Nonproliferation Initiative and serves as an International Atomic Energy Agency control protocol facility for plutonium oxide. DOE EM utilizes the facility for the storage of EM excess plutonium and shares cost with National Nuclear Security Administration for the storage and processing. EM and NNSA will dispose of plutonium consistent with the President's Executive Order on Reinvigorating the Nuclear Industrial Base.

The EM plutonium mission end-state will be accomplished when all remaining Office of Environmental Management owned inventories of special nuclear materials have been down blended and packaged for shipment to the Waste Isolation Pilot Plant. K-Area facilities are being used by the National Nuclear Security Administration for expedited Pu removal from the State of South Carolina, so activities are coordinated between EM and National Nuclear

Security Administration. Final disposition will be determined by EM and the National Nuclear Security Administration at the completion of the EM operation mission.

L-Area

L-Area provides for the wet storage of spent nuclear fuel. The L Reactor was one of the five production reactors at Savannah River Site. In 1996 the disassembly basin of L Reactor (an underwater storage facility), referred to as L-Basin, was repurposed to safely handle and securely store spent nuclear fuel originating from Atomic Energy Commission and DOE activities, as well as spent nuclear fuel originating from foreign and domestic research reactors pending disposition. These fuel receipts support the United States government’s policy on minimizing highly enriched uranium around the world and programmatic missions of the Office of Nuclear Energy, Office of Science, and the National Nuclear Security Administration.

L-Basin has the capacity to receive, bundle, and store Material Test Reactor type fuels (3,650 bundle positions) and High Flux Isotope Reactor fuels (120 full cores) which supports the National Nuclear Security Administration nonproliferation program, Office of Nuclear Energy's domestic research program, along with the Office of Science's research programs and the Department of Commerce (National Institute of Standards and Technology reactor). As of July 1, 2024, L-Basin is approximately 85 percent full for Material Test Reactor type fuel storage, and 70 percent full for High Flux Isotope Reactor fuels.

The end-state will be accomplished when all remaining Savannah River Site inventories of spent nuclear fuel have been dispositioned of and operating nuclear facilities have been turned over to PBS SR-0041 for final disposition.

Heavy Water

This PBS also includes the safe storage and eventual disposition of over 500,000 gallons of legacy heavy water remaining from production activities. The heavy water is currently stored in L-, K-, and C- Areas stored in both drums and tanks.

NM Stabilization and Disposition (PBS: SR-0011C)

Activities and Explanation of Changes

FY2025 Enacted	FY2026 Request	Explanation of Changes - FY 2026 Request vs FY 2025 Enacted
\$311,343,000	\$240,482,000	-\$70,861,000
<u>Surveillance and Maintenance– H-Area (\$160,100,000)</u> - Operate and maintain a high state of readiness at the H Canyon facility required by 50 United States Code § 2633. - Maintain HB Line in reversible lay-up condition. - Provide portion of deactivation costs for F&H Analytical Laboratories based on	<u>Surveillance and Maintenance– H-Area (\$159,482,000)</u> - Maintain a high state of readiness of the H Canyon facility required by 50 United States Code § 2633. - Maintains HB Line in reversible lay-up condition. - Support SRNL samples and analysis needed for H-Canyon operations.	- Decrease due to transfer of K-Area facilities to the National Nuclear Security Administration (-\$63,230,556). - Deferral of infrastructure for H and L Facilities (\$7,630,444).

historical usage by H-Canyon and HB Line. These analytical services are being consolidated from 772-F to Savannah River National Laboratory.

Surveillance and Maintenance – K-Area
(\$63,243,000)

- Maintain K-Area to store safely and securely special nuclear material.
- Perform critical maintenance on facility perimeter intrusion system.
- Continue to receive Gap plutonium from foreign countries in support of the National Nuclear Security Administration's nonproliferation program.
- Support DOE's commitment regarding expedited removal of Pu from the State of South Carolina.
- Support shipments of Pu material to Waste Isolation Pilot Plant disposal.

Surveillance and Maintenance – L-Area
(\$50,000,000)

- Provide safe storage for EM-owned spent nuclear fuel in L-Area Basin.
- Perform surveillance and maintenance of legacy heavy water to ensure safe storage.
- Support receipts of research reactor spent nuclear fuel.

EM Plutonium Storage and Disposition-K-Area
(\$18,000,000)

- Support DOE's commitment regarding expedited removal of Pu from the State of South Carolina.
- Support shipments of EM-owned PU material to Waste Isolation Pilot for disposal.
- Maintain 3013 Surveillance Program.

H-Canyon Processing (\$20,000,000)

Surveillance and Maintenance – L-Area
(\$49,000,000)

- Provide safe and secure storage for EM-owned spent nuclear fuel in L-Area Basin.
- Perform surveillance and maintenance of legacy heavy water to ensure safe storage.
- Support receipts of research reactor spent nuclear fuel.
- Support transfers of Spent Nuclear Fuel between H and L.

EM Plutonium Storage and Disposition-K-Area
(\$16,000,000)

- Dispose of Pu consistent with the President's Executive Order on Reinvigorating the Nuclear Industrial Base.
- Support DOE's commitment regarding expedited removal of Pu from the State of South Carolina.
- Support shipments of EM-owned Pu material to Waste Isolation Pilot for disposal.

Maintains 3013 Surveillance Program.

H-Canyon Processing (\$16,000,000)

- Supports dissolutions of Spent Nuclear Fuel and the discard of material to H-Area Tank Farm.

-
- Support additional dissolutions of Spent Nuclear Fuel and the discard of material to H- Area Tank Farm.

Radioactive Liquid Tank Waste Stabilization and Disposition (PBS: SR-0014C)

Overview

This Project Baseline Summary can be found within the Defense Environmental Cleanup appropriation.

This Project Baseline Summary supports the mission of the Liquid Waste program at the Savannah River Site to safely and efficiently treat, stabilize, and dispose of approximately 34,000,000 gallons of legacy liquid radioactive waste containing approximately 200,000,000 curies currently stored in 43 underground storage tanks (as of March 2025).

The Liquid Waste Program, as of March 2025, has aggressively reduced risk by:

- Producing 4,463 canisters with over 74,992,100 curies immobilized in glass through the Defense Waste Processing Facility.
- Processing 7,453,836 gallons of salt waste through the Actinide Removal Process and Modular Caustic Side Solvent Extraction Unit.
- Processing over 11,222,000 gallons of salt waste through the Salt Waste Processing Facility since Hot Commissioning.
- Processing 371,188 gallons of salt waste through Tank Closure Cesium Removal.
- Disposing over 33,940,315 gallons of low-activity waste via the Saltstone Processing Facility, in the form of 60,314,882 gallons of grout in the Saltstone Disposal Units.
- Emptying, cleaning, grouting, and removing from service eight non-compliant high-level waste storage tanks, as required by the enforceable commitments in the Federal Facility Agreement.

A new strategy for the completion of the Liquid Waste program mission has been implemented to achieve significant risk and financial liability reduction that provides the best overall optimal solution to Site accelerated completion and closure.

To support completion of the liquid waste program mission, acceleration of risk reduction will be pursued by optimizing the fully integrated Savannah River Site Liquid Waste system. Optimizations and process improvements that focus on a “High-Curie Strategy” allow processing higher curie salt feed batches through the Salt Waste Processing Facility system with less water. After high curie salt batches are exhausted, Next Generation Solvent will be deployed when needed at the Salt Waste Processing Facility to facilitate increased curie treatment and stabilization. c. Additionally, closure of Tanks 9, 10, and 11 which reside below the water table and Tanks 13, 14, and 15 which reside partially in the water table of the Savannah River Site will be given priority. These tanks carry the highest liability to the Liquid Waste mission and will be accelerated to reduce this risk as early as possible. Optimizations will continue to be developed, informed by system modeling, to further accelerate the Liquid Waste mission.

Liquid Waste Operations

Since the Savannah River Site became operational, the separation of fissionable nuclear material from irradiated targets and fuels in the F and H Canyons resulted in the generation of over 167,375,000 gallons of radioactive waste. As of March 2025, approximately 34,000,000 gallons of radioactive waste are currently stored onsite in large underground waste storage tanks. Most of the tank waste inventory is a complex mixture of chemical and radioactive waste generated during the acid-side separation of special nuclear materials and enriched uranium from irradiated targets and spent (used) fuel. Eight waste storage tanks have been operationally closed to date. The remaining 43 waste storage tanks located in two separate locations—H-Tank Farm (27 tanks) and F-Tank Farm (16 tanks)—were placed into operation between 1954 and 1986.

The Savannah River Site plans to continue reducing the volume of tank waste using waste processing activities such as preparing tanks for waste removal by installing necessary equipment and infrastructure; removing, pre-treating, and batching remaining radioactive sludge and salt waste; vitrifying sludge

and high curie/high actinide radioactive component in the salt waste at the Defense Waste Processing Facility into canisters and then storing the canisters in glass waste storage buildings; treating and disposing of low-level waste (decontaminated salt solution coming from salt waste processing) as saltstone; evaporating liquids to ensure storage tank space is available to receive additional legacy waste from ongoing nuclear material stabilization then treating and discharging evaporator overheads through the Effluent Treatment Facility; emptying and permanently closing in place, all liquid radioactive waste storage tanks and support systems. These actions ensure risks to the environment and human health and safety from the liquid radioactive waste stored in tanks are eliminated or reduced to acceptable levels.

To make better use of available tank storage capacity, incoming liquid waste is evaporated to reduce its volume. This is important because most of the Savannah River Site new-style waste storage tanks are already near full capacity. Of the five installed evaporators, there are currently two operational evaporators in Savannah River Site —2H and 3H Evaporators are found in H-Area and began operations in 1982 and 2000, respectively. The evaporators reduce the volume of the liquid radioactive salt waste such that space within storage tanks is available for continuing liquid waste operations. Space in new style tanks is used for various operations for waste processing and disposal. The evaporators boil the liquid salt waste, reducing the waste volume to about 25-30 percent of the original volume. The water vapor then sent to the Effluent Treatment Facility treats process wastewater that may be contaminated with small quantities of radionuclides and process chemicals. The wastewater is processed through the treatment plant and pumped to Upper Three Runs Creek for discharge at a permitted outfall referred to as the National Pollutant Discharge Elimination System. Tank 50 receives Effluent Treatment Facility residual waste for storage prior to treatment at Saltstone Production Facility and final disposition in Saltstone Disposal Units.

The Department started operating the Defense Waste Processing Facility in March 1996 to vitrify (convert) the high-level radioactive liquid waste into a stable solid glass form suitable for long-term storage and eventual off-site disposal. This reduces the risks associated with the continued storage of liquid waste at the Savannah River Site and prepares the waste for final disposal. As of March 2025, the Defense Waste Processing Facility has produced 4,463 canisters immobilizing over 74,992,100 curies in glass. It is projected that the Defense Waste Processing Facility will produce, in total, approximately 8,113 canisters to immobilize more than 99 percent of all the radionuclides contained in both the salt and the sludge waste store in the radioactive waste storage tanks. The Savannah River Site has the capacity to safely store over 7,000 canisters, which includes double stacking in Glass Waste Storage Buildings 1 and 2. The combined total of both facilities with double stacking is 9,204 canisters, eliminating the need for construction of additional storage.

To support higher glass throughput, the Defense Waste Processing Facility melter was retrofitted with four bubbler systems and the melter off-gas system was optimized in September 2010. The facility completed conversion to a glycolic flowsheet from a formic flowsheet in January 2023, which reduced equipment bottlenecks and enabled processing strip effluent from SWPF feeds of up to 9 Mgal per year. Future initiatives of the Defense Waste Processing Facility production capacity improvement program address streamlining the Defense Waste Processing Facility feed preparation system. Several process improvements are under implementation to streamline the Defense Waste Processing Facility feed preparation system which are required to support Salt Waste Processing Facility operations at a feed rate up to 9 Mgal per year.

Salt Waste Processing

The ability to safely process the salt component of waste stored in underground storage tanks at the Savannah River Site is a crucial prerequisite for completing liquid radioactive waste disposal, as salt waste constitutes 91 percent of the 34,000,000 gallons of liquid radioactive waste stored in the tank farms. The waste inventory requires dissolution with water to allow transfer from tanks to processing facilities and to meet processing parameters. It is expected that the salt waste inventory of about 30,600,000 gallons will become at least 95,000,000 gallons of salt solution requiring treatment and processing. In order to relieve tank space shortages and assure vitrification of the high-activity component or radionuclides in the liquid waste to continue uninterrupted, the Actinide Removal Process and Modular Caustic Side Solvent Extraction Unit began operation in April 2008. The Actinide Removal Process and Modular Caustic Side Solvent Extraction Unit facilities provided an interim processing capability to remove and treat salt waste from the tank farms and an effective opportunity to provide lessons learned and proof of technology for the Salt Waste Processing Facility. In preparation for the Salt

Waste Processing Facility startup (i.e., processing of radioactive salt solution), the operations in the Actinide Removal Process and Modular Caustic Side Solvent Extraction Unit were suspended in June 2019 as planned. De-inventory and flush of the facilities are complete which allowed for final tie-ins of the Salt Waste Processing Facility to proceed. Decontamination and decommissioning of the Actinide Removal Process and Modular Caustic Side Solvent Extraction Unit will be performed under PBS-0030.

The Salt Waste Processing Facility Hot Commissioning began in October 2020, Hot Operations commenced on January 18, 2021. The Salt Waste Processing Facility safely separates the waste into two streams – a small amount of high-activity radioactive waste sent to the Defense Waste Processing Facility for vitrification and poured into canisters and a very large amount of low-activity radioactive waste called decontaminated salt solution sent to Saltstone to be grouted and permanently disposed in the Saltstone Disposal Units. Nominal capacity of the Salt Waste Processing Facility is 6,000,000 gallons processing rate per year and will be about 9,000,000 gallons processing rate per year after implementing several innovative process improvements and optimizations. Next Generation Solvent will be deployed when needed. Processing salt waste through the Salt Waste Processing Facility is needed to disposition most of the waste stored in the tank farms (about 95 million gallons after salt dissolution), while maintaining adequate tank space required to optimize Defense Waste Processing Facility operations. The Salt Waste Processing Facility is forecasted to process up to 4 million gallons of salt waste in FY26.

Saltstone Disposal

Decontaminated salt solution from salt processing is sent to the Saltstone Production Facility, where it is treated, stabilized, and permanently disposed of by mixing the decontaminated salt solution with fly ash and furnace slag forming a “grout.” The grout is poured into above-ground, cylindrical concrete cells called Saltstone Disposal Units where it solidifies into Saltstone, a non-hazardous low-level waste form.

Each Saltstone Disposal Unit (#6 through #12) is a 375-foot diameter 43-foot tall single-cell design. Saltstone Disposal Unit 6 has a capacity of over 32.8 million gallons of saltstone grout or 18.7 million gal of feed. Saltstone Disposal Unit 7 through Saltstone Disposal Unit 12 has a capacity of about 34.5 million gallons (19.6 million gallons of feed). The large Saltstone Disposal Unit 6 began construction in December 2013, was complete in June 2018, and began filling in August 2018. Saltstone Disposal Unit 7 construction was complete in the third quarter of FY 2021. Construction activities of Saltstone Disposal Units 8 and 9 were initiated in FY 2020. Saltstone Disposal Unit 8 became operational in FY 2023 and Saltstone Disposal Unit 9 became operational in FY 2024. Saltstone Disposal Units 10-12 Critical Decision-2/3 was approved in September 2021 and site preparation activities began in FY 2022 and construction in FY 2023. It takes 4 years to construct a Saltstone Disposal Unit and 16 to 18 months to fill it and the program will require one Saltstone Disposal Unit about every 16 months to support Salt Waste Processing Facility. Once all units are filled, they will be capped with an engineered cover consisting of several layers of impermeable materials, isolating it from the environment (which will be performed under PBS SR-0030).

The scope of this Project Baseline Summary includes the design, construction, and operation of the Saltstone Disposal Units for the final and permanent disposal in a saltstone waste form of the decontaminated salt solution (low-level waste) resulting from the salt waste processing. The Saltstone Disposal Units will provide the benefits of lower disposal costs for decontaminated salt solutions, with the grout itself providing primary containment of the waste, while the walls, floor, and roof of the Saltstone Disposal Units are providing secondary containment.

Radioactive Liquid Tank Waste Stabilization and Disposition (PBS: SR-0014C)

Activities and Explanation of Changes

FY2025 Enacted	FY2026 Request	Explanation of Changes - FY 2026 Request vs FY 2025 Enacted
\$1,122,250,000	\$1,118,500,000	-\$3,750,000
<u>Liquid Waste Operations (\$800,724,000)</u> • Pay Project Baseline Summary share of site-wide services and support functions for day-to-day operations. • Maintain Tank Farms, including evaporators, Defense Waste Processing Facility, including Melter, in a safe configuration, staffed and ready for operations. • Perform Tank Farm operations activities, including waste removal and evaporator operations. • Operate Defense Waste Processing Facility to produce up to 2278 canisters of vitrified high-level waste. • Continue preparation of Tanks 33, 34 and 39 for Sludge Batches to feed the Defense Waste Processing Facility. • Continue processing in Defense Waste Processing Facility of Sludge Batch 10 and complete Sludge Batch 11 compilation and initiate washing and qualifications. <u>Salt Waste Processing Operations (\$222,209,000)</u> • Operate Salt Waste Processing Facility to produce up to 6 million gallons of high curie salt batches in FY 2025 for a total volume of up to 18,000,000 gallons since Salt Waste Processing Facility start of operations. • Continue design and field work activities on Tanks 28, 31, 34, and 47 to prepare for salt dissolution needed for salt batches to feed the Salt Waste Processing Facility.	<u>Liquid Waste Operations (\$ 854,927,000)</u> • Pay Project Baseline Summary share of site-wide services and support functions for day-to-day operations. • Maintain Tank Farms, including evaporators, Defense Waste Processing Facility, including Melter, in a safe configuration, staffed and ready for operations. • Perform Tank Farm operations activities, including waste removal and evaporator operations. • Operate Defense Waste Processing Facility to produce up to 282 canisters of vitrified high-level waste. • Continue modification of Glass Waste Storage Building #2 for double stacking operations. • Continue tank modifications on one tank (Tank 47) to support bulk waste removal for Sludge Batches to feed Defense Waste Processing Facility. • Complete processing in Defense Waste Processing Facility of Sludge Batch 10 and continue washing and qualifications for Sludge Batch 11. • Initiate processing of Sludge Batch 11. <u>Salt Waste Processing Operations (\$194,048,000)</u> • Operate Salt Waste Processing Facility and End Stream Delivery Facilities with a plan	• Liquid Waste Operations increased by \$54,203,000.00 due to an increased share of site wide services. • Salt Waste Processing Operations decreased by \$28,161,000 due to the decrease in Salt Waste Processing Facility materials costs; including improvements needed to process waste at higher processing rates. Decrease also due to lower cost requirements on several tanks for salt dissolution and waste removal in FY26. • Saltstone Disposal decreased by \$3,750,000; due to additional prioritization of other site activities in FY26). • Regulatory Commitments decreased by \$26,042,000 due to Tanks 9 – 11 waste removal activities being completed in FY 2024 / FY 2025 and suspension of tank closure activities on 6 tanks (Tanks 4, 9-11, 14, and 15).

- Continue the East Hill utilities upgrade to complete pipe installations, impact reviews for procedures, and begin tie-in and multiple system turnovers to support Salt Waste Processing Facility planned operations.
- Fund Other Project Cost scope for Salt Disposal Unit Line Item.

Saltstone Disposal (\$ (\$56,250,000)

- Complete Saltstone Disposal Unit 10 cell structure, including all floors, walls, and roof placements.
- Complete Balance of Plant design for Saltstone Disposal Units 11 and 12.
- Support Saltstone Production Facility operations to support Salt Waste Processing Facility production rates by completing construction of Saltstone Disposal Units.

Regulatory Commitments (\$43,067,000)

- Continue preparation of Tanks 1, 2, 3, and 14, and continue heel removal from Tank 15 to meet new Federal Facility Agreement milestones and provide feed for Salt Waste Processing Facility and Defense Waste Processing Facility.
- Continue preparation of Tank 11 for waste removal for accelerated operational closure to meet new Federal Facility Agreement Complete Preliminary Cease Waste Removal meeting 12/2025 FFA commitment for two of three tanks (Tanks 4 and 9).

to process up to 4 million gallons of higher curie salt batches.

- Perform waste retrieval activities on 3 tanks to expedite salt dissolution needed for salt batches to feed the Salt Waste Processing Facility.
- Fund Other Project Cost scope for Salt Disposal Unit Line Item.

Saltstone Disposal (\$52,500,000)

- Complete testing, startup, and turnover of Saltstone Disposal Unit 10 (CD-4A)
- Continue construction activities for Saltstone Disposal Units 11 and 12.
- Support Saltstone Production Facility operations to support Salt Waste Processing Facility production rates by completing construction of Saltstone Disposal Units.

Regulatory Commitments (\$17,025,000)

- Continue preparation of Tanks 1, 2, 3, and 13 to meet new Federal Facility Agreement milestones and provide feed for Salt Waste Processing Facility and Defense Waste Processing Facility.
- Complete Preliminary Cease Waste Removal (PCWR) Federal Facility Agreement milestone on 1 of 2 tanks.

Savannah River Legacy Pensions (PBS: SR-0101)

Overview

This Project Baseline Summary can be found within the Defense Environmental Cleanup appropriation.

The scope of this Project Baseline Summary enables Savannah River Site to meet its legacy pension obligations. These obligations are necessary to meet contributions to address legacy pension liability.

This is strictly the EM portion of the legacy pension. National Nuclear Security Administration will contribute with their own funding source. EM is no longer requesting funding and future contributions will be funded through site indirect rates.

Savannah River Legacy Pensions (PBS: SR-0101)

Activities and Explanation of Changes

FY2025 Enacted	FY2026 Request	Explanation of Changes - FY 2026 Request vs FY 2025 Enacted
\$0	\$0	+\$0

- No contribution required in FY25.
- Legacy pension funding received to date will fund expected FY26 contribution.
- Funding received in FY24 is expected to fund FY26 legacy pension obligations.

Savannah River Community and Regulatory Support (PBS SR-0100)

Overview

This Project Baseline Summary can be found within the Defense Environmental Cleanup appropriation.

The scope of this Project Baseline Summary is to provide support to enable the Savannah River Site to perform its missions and cleanup objectives. Activities include support to the Citizens Advisory Board (includes facilitators, technical advisors, meeting rooms, and other expenses); support to the States of South Carolina and Georgia for emergency management activities; and support to the South Carolina Department of Health and Environmental Control, geological surveys, DOE lease agreements (including those with the U.S. Army Corps of Engineers), and the Environmental Protection Agency for oversight and implementation of the Federal Facility Agreement and support for Workforce Opportunities in Regional Careers grant.

Savannah River Community and Regulatory Support (PBS SR-0100)

Activities and Explanation of Changes

FY2025 Enacted	FY2026 Request	Explanation of Changes - FY 2026 Request vs FY 2025 Enacted
\$12,389,000	\$5,317,000	-\$7,072,000
• Provide payments in Lieu of Taxes to Aiken, Allendale, and Barnwell counties (\$6,475,376). • Provide support to South Carolina Department of Natural Resources for technical expertise in the conduct of geological surveys and natural resource management (\$172,909). • Provide support to South Carolina Department of Health and Environmental Control for oversight of environmental monitoring, Federal Facility Agreement, Agreement in Principle, and Site Treatment Plan (\$3,738,907). • Provide support to Georgia and South Carolina Emergency Management Support (\$611,458). • Support Interagency Agreement for the Environmental Protection Agency, Region 4 oversight of the Federal Facility Agreement (\$300,000).	• Provide support to South Carolina Department of Health and Environmental Control for oversight of environmental monitoring, Federal Facility Agreement, Agreement in Principle, and Site Treatment Plan (\$3,825,108). • Support Interagency Agreement for the Environmental Protection Agency, Region 4 oversight of the Federal Facility Agreement (\$350,000). • Provide support to the Site-Specific Advisory Board (Savannah River Citizen's Advisory Board) (\$554,392). • Support Workforce Opportunities in Regional Careers grant (\$587,500).	• Decrease is due to activities being transferred to the National Nuclear Security Administration including Payments in Lieu of Taxes to Aiken, Allendale, and Barnwell counties; South Carolina Department of Natural Resources for management of the Crackerneck Wildlife Management Area and Ecological Reserve; Support to Georgia and South Carolina Emergency Management.

-
- Provide support to the Site-Specific Advisory Board (Savannah River Citizen's Advisory Board) (\$502,850).
 - Support Workforce Opportunities in Regional Careers grant (\$587,500).

Safeguards and Security (PBS: SR-0020)

Overview

This Project Baseline Summary can be found within the Defense Environmental Cleanup appropriation.

This Project Baseline Summary funds the Safeguards and Security Program, which provides security support services for Environmental Management specific facilities at Savannah River Site, and the Cyber Security Program, which protects the networks, computers, programs, and data within the Savannah River Site from attack, damage, or unauthorized access in accordance with DOE policy.

Safeguards and Security Program

The scope of the Safeguards and Security Program provides total security services, including access control, property protection, law enforcement, criminal investigations, traffic control, canine explosives and drug detection, aviation support, river patrol, alarm equipment monitoring, and a Special Response Team.

This Project Baseline Summary provides for a trained protective force 24 hours a day seven days a week to perform the various necessary activities to protect Government property and the employees who work onsite.

The scope covered under this Project Baseline Summary will continue until DOE's mission at the Savannah River Site is complete. Responsibility of overall site security functions will transfer to National Nuclear Security Administration in FY 2025.

For Environmental Management these activities include:

- Staff security posts and patrol designated areas within the 198,000 plus acres comprising the Savannah River Site.
- Protect Special Nuclear Material and vital facilities against unauthorized access, theft, loss of custody, or destruction of components for nuclear weapons, and espionage.
- Protect classified matter or Governmental property from loss or theft.
- Protect against other hostile acts that may affect national security, or the health and safety of employees, the public or the environment.
- Enforce the law and conduct criminal investigations.
- Operate alarm-monitoring centers. Monitor critical Savannah River Site facilities security alarm systems and dispatch response personnel for alarm assessment.
- Coordinate and provide security for the transport of nuclear material.
- Maintain a professional training staff to provide basic and specialized security training, physical conditioning, weapons training and qualification, and area-specific field training. Facilities include classrooms, rifle and pistol ranges, multi-media learning laboratory, and specialized outdoor training sites. The security forces must train and maintain certifications and qualifications in security force competencies.

Cyber Security Program

The Cyber Security Program at the Savannah River Site protects government information and technology systems in support of DOE missions executed at the Site.

Safeguards and Security (PBS: SR-0020)

Activities and Explanation of Changes

FY2025 Enacted	FY2026 Request	Explanation of Changes - FY 2026 Request vs FY 2025 Enacted
\$170,000,000	\$73,126,000	-\$96,874,000
<u>Safeguards and Security Program (\$149,232,528)</u> • Support required security force and resources necessary to guard and safely maintain Special Nuclear Material in accordance with DOE policy. • Ensure appropriate levels of protection for Department of Energy Savannah River Site facilities against theft or diversion of Special Nuclear Materials. • Prevent acts of radiological, chemical, and biological sabotage. • Prevent theft or loss of classified matter and government property. • Prevent other hostile acts that may cause unacceptable impacts to national security, the health and safety of employees, the public or the environment. • Support infrastructure maintenance and upgrades. <u>Cyber Security (\$20,767,472)</u> • Protect government information and technology systems in support of DOE missions executed at the Site. • Maintain the Savannah River Cyber Security capability in accordance with DOE Order 205.1B and emerging DOE cyber requirements. • Support identification, assessment and protection of mission critical information	<u>Safeguards and Security Program (\$49,471,000)</u> • Continue to support required security force and resources necessary to guard and safely maintain Special Nuclear Material in accordance with DOE policy (for EM facilities (H/L/SRNL). • Continue to ensure appropriate levels of protection for Department of Energy Savannah River Site facilities against theft or diversion of Special Nuclear Materials. (H/L/SRNL) • Continue to prevent theft or loss of classified matter and government property. (H/L/SRNL) • Continue to prevent other hostile acts that may cause unacceptable impacts to national security, the health and safety of employees, the public or the environment. (H/L/SRNL) <u>Cyber Security (\$23,655,000)</u> • Continue to protect government information and technology systems in support of DOE missions executed at the Site. • Continue to maintain the Savannah River Cyber Security capability in accordance with DOE Order 205.1C and emerging DOE cyber requirements. • Continue to support identification, assessment and protection of mission	• Decrease is due to responsibilities being transferred to National Nuclear Security Administration. (-\$96,874,000)

and information systems according to current threat vectors and risk posture.	critical information and information systems according to current threat vectors and risk posture.
• Support Headquarters cyber security.	• Continue to support Headquarters cyber security. • Continue to support Executive Order 14028 cyber security requirements.

Savannah River National Laboratory Operations and Maintenance (PBS: SR-SRNL-0100)

Overview

This Project Baseline Summary can be found within the Defense Environmental Cleanup appropriation.

The scope of this Project Baseline Summary enables the Savannah River Site to meet its operations, maintenance, and utilities obligations for Savannah River National Laboratory.

Savannah River National Laboratory Operations and Maintenance (PBS: SR-SRNL-0100)

Activities and Explanation of Changes

FY2025 Enacted	FY2026 Request	Explanation of Changes - FY 2026 Request vs FY 2025 Enacted
\$42,000,000	\$90,719,000	+\$48,719,000
Fund EM’s share of the Savannah River National Laboratory Operations and Maintenance.	- Funds the Savannah River National Laboratory Operations and Maintenance. - Funds the Advanced Manufacturing Collaborative Operations and Maintenance. - Supports the operations and maintenance of more than 20 buildings and major support structures in the limited area that includes more than 320,000 square feet of category II radiological facilities. - Assures facilities are available to meet laboratory analytical and Research and Development activities supporting DOE missions. - Assures nuclear facility safety bases are maintained in support of safe nuclear operations.	Increase reflects the National Nuclear Security Administration budget authority transfer (\$45,000,000) for the National Nuclear Security Administration’s share of Operations and Maintenance costs at SRNL and approximately \$3,719,000 due to increased cost of operations.

Savannah River

Capital Summary

Minor Construction (MC) Notification & Reporting (Use of Authority) (\$K)

					New Notif.	Auth. - Con. Design	Percent Complete		Project Start	Design Complete	Constr. Complete	Project Start	Design Complete	
Appr	Program	Site	Project Title	Project Description			Original TEC	Previous TEC	Current TEC	Current Constr. Design	Prior Years	FY 2025 Request	FY 2026 Request	
INST	SRNL	SRS	Renovate labs C-159 & C-163 773A	Renovation of Lab C159/C-163: Design for D&R, upgrading lab to standard lab model/Including, procurement and installation of (3) GB/Hoods and Vortex Fire Suppression system. Project to Complete FY25			100%		FY17	FY18	FY20	FY20	FY21	
							4,189	6,000	7,386	0	6,451	935	0	
INST	SRNL	SRS	Renovate Labs C-155 Hood & Glovebox	Renovation of Lab C155 to standard lab model, including the procurement and installation of an Inert GB.			47%		FY17	FY20	FY22	FY24	NA	
							2,873	4,000	3,250	0	943	600	1,707	
INST	SRNL	SRS	Upgrade SRNL Stack Monitors - Sand Filter Stacks	Upgrade SRNL Sand Filter Stack Monitoring System to a PIC Level 1. Scope includes upgrading the SCDHEC Permit to a PIC Level 1 from PIC Level 3, Design and Fabrication of PIC Level Stack Monitor and Installation.			97%		FY22	FY23	FY25	FY23	FY24	
							3,292	3,771	3,771	0	1,849	1,800	122	
INST	SRNL	SRS	Renovate Lab B-126/130, 773-A	The Project will provide design and construction to facilitate the renovation of lab B-126 / 130. Project put on hold after Conceptual Design FY20.			0%		FY18	FY19	FY22	NA	NA	
							1,718	1,718	1,718	0	0	0	0	
INST	SRNL	SRS	Replace Diesel Generator 503-2A	Design for replacing 503-2A Diesel Generator (DG), including D&R of fuel tank, piping, weather protective shelter and diked wall. Generator 400kW, 480V, outdoor rated Diesel Generator (DG) with integral fuel tank, load bank, and all accessories. Project Closed FY24			100%		FY20	FY21	FY22	FY20	FY21	
							1,400	1,250	1,233	0	1,233	0	0	
INST	SRNL	SRS		Project was implemented in (3) Phases: Phase I Installation of Front-End System DeltaV HMI Complete in FY22 / Phase II			94%		FY15	FY17	FY19	FY21	FY24	

					New Notif.	Auth. - Con. Design	Percent Complete		Project Start	Design Complete	Constr. Complete	Project Start	Design Complete	
Appr	Program	Site	Project Title	Project Description			Original TEC	Previous TEC	Current TEC	Current Constr. Design	Prior Years	FY 2025 Request	FY 2026 Request	
			Delta V Control Room C-041 System Upgrade, 773-A	Installation of (7) IO Cabinets/Cabinets Retrofitted with DeltaV Software Replacement for PLC - Completed FY3 / Phase III Replacement of the Push Button Control Panels & Renovation of the Control Room C-041 including Horseshoe Area - Project to Complete FY25			6,610	7,510	8,405	0	7,419	986	0	
INST	SRNL	SRS	Reno Lab B-065/067 for High Accuracy Isotope Ratio Measurement	Renovation of 773-A Labs B-065/B-067 to configure the lab to support the Installation of a Thermal Ionization Mass Spectrometer (TIMS) unit to perform analysis on radiologically contaminated samples. Project Closed FY24			100.0%		FY21	FY22	FY23	FY21	FY22	
							1,858	3,500	3,492	0	3,492	0	0	
INST	SRNL	SRS	S-TAC Campus Utilities & Build	Design and Build of Non-Rad Facility. (Project put on hold after completion of Title II Design.) Project Placed On-Hold FY24			7%		FY23	FY24	FY26	FY23	FY24	
							14,177	22,000	20,000	0	1,431	0	0	
INST	SRNL	SRS	Dynacool Cabinet and Installation Project	773-A C-123 Facility Design and Installation of Dyanacool Cabinet Equipment. Project is Closed.			106%		FY23	FY23	FY24	FY23	FY23	
							948	948	650	0	689	0	0	
INST	SRNL	SRS	Design and Build Modular Secure Compute Facility	Project TEC forecasted at under original ROM. Funding in FY25 forecasted not to exceed \$300K.			100%		NA	NA	NA	NA	NA	
							2,000	2,000	2,100	0	4	2,096	1,000	
D	PBS41	SRS	F-canyon roof replacement	Replaces roof over nuclear facility	✓		0%		FY26	FY26	FY29	FY26	FY26	
							20,000	NA	20,000	0	0	0	0	

Note: This table reflects notification to Congress of SRNL minor construction projects, including Institutional General Plant Projects in progress and planned to start in FY 2025. It represents planning under the new SRNL M&O contract. Except for previous year costs, previous year table values associated with the Site M&O contract were not carried forward. This table constitutes a rebaselining of minor construction projects with EACs > \$5M and < \$30M for SRNL that are funded by resources drawn from SRNL indirects.

**Savannah River
Construction Summary (\$K)**

Total	Prior Years	FY 2024 Enacted	FY 2024 Actuals	FY 2025 Enacted	FY 2026 Request	FY 2026 Request vs. FY 2025 Enacted
-------	----------------	--------------------	--------------------	--------------------	--------------------	--

**19-D-701, SR Security Replacement System, SR
(SR-0042)**

Total Estimate Cost (TEC)	TBD	32,525	0	2,265	0	708	+708
Other Project Costs (OPC)	TBD	0	0	0	0	0	0
Operating Expense Funded (OPEX)	TBD	15,000	0	0	0	0	0
Total Project Cost (TPC) 19-D-701	TBD	47,525	0	2,265	0	708	+708

**20-D-401, Saltstone Disposal Unit #10, #11 and
#12, SR (SR-0014C)**

Total Estimate Cost (TEC)	451,507	56,537	56,250	41,020	56,250	52,500	-3,750
Other Project Costs (OPC)	44,493	10,000	5,000	2,998	4,200	6,010	+1,810
Total Project Cost (TPC) 20-D-401	496,000	66,537	61,250	44,018	60,450	58,510	-1,940

**19-D-701, SR Security System Replacement Project
Savannah River Site, Aiken, South Carolina
Project is for Design and Construction**

1. Summary, Significant Changes and Schedule and Cost History

Summary

This project was originally executed as an operating expense funded project to replace the existing aging and at-risk security system at the Savannah River Site Category I and II nuclear facilities and the balance of the site where Electronic Safeguards and Security is utilized. Beginning in FY 2019, during execution of Phase I final design, Congress requested that the Total Estimated Cost of this project be appropriated in a capital Line-Item construction account. This data sheet includes a full accounting of the total project cost expended in prior years, including the initial \$15,000,000 in operating expense cost funding (PBS SR-0020) prior to FY 2019. The Congressional control is for total estimated cost.

The FY 2026 request for the Savannah River Site Security System Replacement is \$708,000 in total estimated cost to support the start of L Area and Balance of Plant Argus construction.

A Federal Project Director Level 3 has been assigned to this project.

The most recent DOE Order 413.3B milestone approved for the whole project is Critical Decision-1, which was approved on June 28, 2016, with a cost range of \$49,423,000 to \$91,470,000 and a Critical Decision-4 range of FY 2022 to FY 2028.

K Area Argus Subproject was completed early with only a portion of the original Critical Decision 2/3 baseline finished. The remaining K Area scope was deleted from the baseline pending transition of site responsibility to the National Nuclear Security Administration (NNSA). The L Area and Balance of Plant subproject scope is planned to be completed by 2029

This project is tailored, as allowed by DOE Order 413.3B, to be managed as distinct subprojects within the overall cost range established at Critical Decision 1. Each of the subprojects will have their own baseline, total project cost, and independent Critical Decision 2, 3, and 4 approvals. The final Critical Decision 4 approval will constitute project completion. Each subproject is still expected to remain under \$100,000,000 and will be managed independently.

The first subproject, H Area Argus, received Critical Decision-4 on May 12, 2020.

Significant Changes

This Construction Project Data Sheet is an update of the FY 2025 Construction Project Data Sheet and does not include a new start for the budget year.

K Area Argus final costs reflected a decrease to the subproject of \$50,000,000. This decrease was due to the subproject's cancellation and transfer of K Area responsibility to NNSA in 2025. The L Area Argus and the Savannah River National Laboratory/General Site Argus subprojects will be executed combined as the L Area Argus Subproject and Balance of Plant subproject. The L Area and Balance of Plant subproject is forecast to be approximately \$50,000,000.

Critical Milestone History

Overall Project 19-D-701

(Fiscal Quarter or Date)

Fiscal Year	CD-0	Conceptual Design Complete	CD-1	CD-2	Final Design Complete	CD-3A	CD-3	D&D Complete	CD-4
FY 2019	8/26/2015	8/08/2016	8/08/2016	TBD	TBD	N/A	TBD	N/A	TBD
FY 2020	8/26/2015	8/08/2016	8/08/2016	TBD	TBD	N/A	TBD	N/A	TBD
FY 2022	8/26/2015	8/08/2016	8/08/2016	TBD	TBD	N/A	TBD	N/A	TBD
FY 2023	8/26/2015	8/08/2016	8/08/2016	TBD	TBD	N/A	TBD	N/A	TBD
FY 2024	8/26/2015	8/08/2016	8/08/2016	TBD	TBD	N/A	TBD	N/A	TBD
FY 2025	8/26/2015	8/08/2016	8/08/2016	TBD	TBD	N/A	TBD	N/A	TBD
FY 2026	8/26/2015	8/08/2016	8/08/2016	TBD	TBD	N/A	TBD	N/A	TBD

H Area Argus Subproject

(Fiscal Quarter or Date)

Fiscal Year	CD-0	Conceptual Design Complete	CD-1	CD-2	Final Design Complete	CD-3A	CD-3	D&D Complete	CD-4
FY 2019	8/26/2015	8/08/2016	8/08/2016	5/29/2018	5/29/2018	8/28/2017	5/29/2018	N/A	5/7/2020
FY 2020	8/26/2015	8/08/2016	8/08/2016	5/29/2018	5/29/2018	8/28/2017	5/29/2018	N/A	5/7/2020

K Area Argus Subproject

(Fiscal Quarter or Date)

Fiscal Year	CD-0	Conceptual Design Complete	CD-1	CD-2	Final Design Complete	CD-3A	CD-3	D&D Complete	CD-4
FY 2019	8/26/2015	8/08/2016	8/08/2016	4Q FY2022	4Q FY2022	N/A	4Q FY2022	N/A	4Q FY 2028
FY 2020	8/26/2015	8/08/2016	8/08/2016	4Q FY2022	4Q FY2022	N/A	4Q FY2022	N/A	4Q FY 2028
FY 2022	8/26/2015	8/08/2016	8/08/2016	4Q FY2022	4Q FY2022	N/A	4Q FY2022	N/A	4Q FY 2028
FY 2023	8/26/2015	8/08/2016	8/08/2016	4Q FY2022	4Q FY2022	N/A	4Q FY2022	N/A	4Q FY 2028
FY 2024	8/26/2015	8/08/2016	8/08/2016	8/4/2022	8/4/2022	N/A	8/4/2022	N/A	4Q FY 2028
FY 2025	8/26/2015	8/08/2016	8/08/2016	8/4/2022	8/4/2022	N/A	8/4/2022	N/A	4QFY2028
FY 2026	8/26/2015	8/08/2016	8/08/2016	8/4/2022	8/4/2022	N/A	8/4/2022	N/A	Cancelled

L Area Argus Subproject and Balance of Plant

(Fiscal Quarter or Date)

Fiscal Year	CD-0	Conceptual Design Complete	CD-1	CD-2	Final Design Complete	CD-3A	CD-3	D&D Complete	CD-4
FY 2019	8/26/2015	8/08/2016	8/08/2016	TBD	TBD	N/A	TBD	N/A	TBD
FY 2020	8/26/2015	8/08/2016	8/08/2016	TBD	TBD	N/A	TBD	N/A	TBD
FY 2022	8/26/2015	8/08/2016	8/08/2016	TBD	TBD	N/A	TBD	N/A	TBD
FY 2023	8/26/2015	8/08/2016	8/08/2016	TBD	TBD	N/A	TBD	N/A	TBD
FY 2024	8/26/2015	8/08/2016	8/08/2016	TBD	TBD	N/A	TBD	N/A	TBD
FY 2025	8/26/2015	8/08/2016	8/08/2016	4Q FY2025	4Q FY2025	N/A	4Q FY2025	N/A	TBD
FY 2026	8/26/2015	8/08/2016	8/08/2016	4Q FY2025	4Q FY2025	N/A	4Q FY2025	N/A	TBD

CD-0 – Approve Mission Need

Conceptual Design Complete – Actual date the conceptual design was completed (if applicable)

CD-1 – Approve Alternative Selection and Cost Range

CD-2 – Approve Project Performance Baseline

Environmental Management/
Savannah River/19-D-701 SR Security
System Replacement Project

FY 2026 Congressional Justification

CD-3 – Approve Start of Construction

Final Design Complete – Estimated/Actual date the project design will be /was completed.

D&D Complete – Completion of D&D work (see Section 9)

CD-4 – Approve Start of Operations or Project Completion

PB – Indicates the Performance Baseline

Project Cost History

Overall Project 19-D-701

Fiscal Year	OPEX, Total	TEC, Design	TEC, Construction	TEC, Total	OPC Except D&D	OP C, D&D	OPC, Total	TPC
FY 2019	15,000	TBD	TBD	TBD	TBD	N/A	TBD	TBD
FY 2020	15,000	TBD	TBD	TBD	TBD	N/A	TBD	TBD
FY 2022	15,000	TBD	TBD	TBD	TBD	N/A	TBD	TBD
FY 2023	15,000	TBD	TBD	TBD	TBD	N/A	TBD	TBD
FY 2024	15,000	TBD	TBD	TBD	TBD	N/A	TBD	TBD
FY 2025	15,000	TBD	TBD	TBD	TBD	N/A	TBD	TBD
FY 2026	15,000	TBD	TBD	TBD	TBD	N/A	TBD	TBD

H Area Subproject

Fiscal Year	OPEX, Total	TEC, Design	TEC, Construction	TEC, Total	OPC Except D&D	OPC, D&D	OPC, Total	TPC
FY 2019	15,000	0	2,937	2,937	0	N/A	0	17,937*
FY 2020	15,000	0	2,937	2,937	0	N/A	0	17,937*

*The total project cost for the H Area Subproject is \$17,937,000, which includes \$15,000,000 of operating expense cost (PBS 11C). These costs supported H Area execution prior to the project's line-item status, which was directed in FY 2019.

K Area Subproject

Fiscal Year	TEC, Design	TEC, Construction	TEC, Total	OPC Except D&D	OPC, D&D	OPC, Total	TPC
FY 2019	TBD	TBD	TBD	TBD	N/A	TBD	TBD
FY 2020	TBD	TBD	TBD	TBD	N/A	TBD	TBD
FY 2022	9,033	TBD	TBD	TBD	N/A	TBD	TBD
FY 2023	11,588	TBD	TBD	TBD	N/A	TBD	TBD
FY 2024	11,588	67,849	79,437	0	N/A	0	79,437
FY 2025	11,588	17,500	29,088	0	N/A	0	29,088*
FY 2026	11,588	10,912	22,500	0	N/A	0	22,500*

*The K Area Subproject was formally cancelled in advance of the NNSA Transition in FY 2025 in accordance with NNSA K Area planning and DOE O 413.3B.

L Area Subproject and Balance of Plant

Fiscal Year	TEC, Design	TEC, Construction	TEC, Total	OPC Except D&D	OPC, D&D	OPC, Total	TPC
FY 2019	TBD	TBD	TBD	TBD	N/A	TBD	TBD
FY 2020	TBD	TBD	TBD	TBD	N/A	TBD	TBD
FY 2022	TBD	TBD	TBD	TBD	N/A	TBD	TBD
FY 2023	TBD	TBD	TBD	TBD	N/A	TBD	TBD
FY 2024	TBD	TBD	TBD	TBD	N/A	TBD	TBD
FY 2025	TBD	TBD	TBD	TBD	N/A	TBD	TBD
FY 2026	TBD	TBD	TBD	TBD	N/A	TBD	TBD

*L Area Subproject merged with the final SRNL/General Site Subproject due to reduced scope from NNSA transition.

2. Project Scope and Justification

Scope

The scope of this project is to replace the existing Electronic Safeguards and Security system with the DOE Standard Argus System at Savannah River Site in the following areas: H-Area, K-Area, L-Area, and the remaining portion of the Savannah River National Laboratory and general site areas.

Justification

The Savannah River Site Electronic Safeguards and Security has exceeded its useful life. Field installation of the Electronic Safeguards and Security began in the late-1980's with the first subsystem operational in H-Area (December 1991). The last Electronic Safeguards and Security area to become operational was F-Area in 1994. Since then, a number of major upgrades have been implemented to improve the system and address issues with obsolescence. Although upgrades have been made, Electronic Safeguards and Security components, including those installed during the last upgrade, are no longer commercially available, making it difficult to maintain reliability of the system. The existing Electronic Safeguards and Security has experienced an increased failure rate, which has resulted in additional costly compensatory measures, including use of additional protective force resources, increased maintenance, and increased overtime costs.

The risk of catastrophic failure of the Electronic Safeguards and Security poses critical operational risks to H-Area, L-Area, K-Area, and Savannah River National Laboratory. If there is an Area-wide failure of Electronic Safeguards and Security, additional security forces would need to be deployed and additional compensatory measures would need to be implemented that would severely slow down or stop operations in the Cat I/II facilities.

Key Performance Parameters

The Key Performance Parameters represent the acceptable performance that the project must achieve. Achievement of the Key Performance Parameters will be a prerequisite for approval of the Savannah River Site Security Replacement Project Critical Decision -4, Project Completion.

Performance Measure	Threshold	Objective
Replacement	Replace the vintage Electronic Safeguards and Security systems in H-Area, L-Area, K-Area and the SRNL and general site areas with the Argus security system.	Replace the current, obsolete Electronic Safeguards and Security system with the DOE Standard system, Argus.

3. Project Cost and Schedule

Financial Schedule

Funding is appropriated at the Overall Project level and is allocated to the subprojects as indicated in the tables below.

H Area Subproject

(Dollars in thousands)

Budget Authority (Appropriations)	Obligations	Costs
--------------------------------------	-------------	-------

Total Estimated Cost (TEC)

Design

FY 2019	0	0	0
FY 2020	0	0	0
FY 2021	0	0	0
FY 2022	0	0	0
Total, Design	0	0	0

Construction

FY 2019	2,937	2,937	987
FY 2020	0	0	1,551
FY 2021	0	0	0
FY 2022	0	0	0
Total, Construction	2,937	2,937	2,538

TEC

FY 2019	2,937	2,937	987
FY 2020	0	0	1,551
FY 2021	0	0	0
Total, TEC	2,937	2,937	2,538

OPC

FY 2019	0	0	0
FY 2020	0	0	0
FY 2021	0	0	0
Total, OPC	0	0	0

	Budget Authority (Appropriations)	Obligations	Costs
OPEX^a			
FY 2015	10,000	10,000	221
FY 2016	0	0	1,234
FY 2017	0	0	2,916
FY 2018	5,000	5,000	1,886
FY 2019	0	0	5,771
FY 2020	0	0	2,639
FY 2021	0	(157)	176
FY 2022	0	0	0
Total, OPEX*	15,000*	14,843	14,843

Total Project Cost (TPC)

FY 2015 ^a	10,000	10,000	221
FY 2016	0	0	1,234
FY 2017	0	0	2,916
FY 2018 ^a	5,000	5,000	1,886
FY 2019	2,937	2,937	6,758
FY 2020	0	0	4,190
FY 2021	0	(157)	176
FY 2022	0	0	0
Total, TPC	17,937	17,780	17,381

Note: Funds for long-lead equipment may be requested prior to project baseline validation if approved by the Project Management Executive.

^a Funded by PBS SR-0020

*\$15,000,000 operating expense costs funding was originally provided in 2015 (\$10,000,000) and 2018 (\$5,000,000) as part of a PBS SR-0020, Safeguards and Security Program operating expense funded project. The project was later determined by Congress to be a Line-Item construction project in FY 2019 and all funding thereafter is either other project cost or total estimated cost. Most of the H Area Subproject was funded through PBS SR-0020, Safeguards and Security Program operating expense costs, and what wasn't spent at the end of the project was returned to PBS SR-0020, Safeguards and Security Program. In addition, the project was underbudget and all remaining TEC Line-Item funds were used for the subsequent subproject within the same Congressional control.

K Area Subproject

(Dollars in thousands)

Total Estimated Cost (TEC)

Budget Authority (Appropriations)	Obligations	Costs
--------------------------------------	-------------	-------

	Budget Authority (Appropriations)	Obligations	Costs
Design			
FY 2019	7,063	7,063	715
FY 2020	4,525	4,525	3,591
FY 2021	0	0	5,405
FY 2022	0	0	1,195
FY 2023	0	0	0
Total, Design	11,588	11,588	10,906
Construction			
FY 2019	0	0	0
FY 2020	0	0	0
FY 2021	1,000	1,000	0
FY 2022	4,500	4,500	670
FY 2023	5,412	5,412	7,462
FY 2024	0	0	3,000
FY 2025	0	0	0
Total, Construction	10,912	10,912	11,132
TEC			
FY 2019	7,063	7,063	715
FY 2020	4,525	4,525	3,591
FY 2021	1,000	1,000	5,405
FY 2022	4,500	4,500	1,865
FY 2023	5,412	5,412	7,462
FY 2024	0	0	3,000
FY 2025	0	0	0
Total, TEC	22,500	22,500	22,038
OPC			
FY 2019	0	0	0
FY 2020	0	0	0
FY 2021	0	0	0
FY 2022	0	0	0
FY 2023	0	0	0
FY 2024	0	0	0
FY 2025	0	0	0
Total, OPC	0	0	0

Budget Authority (Appropriations)	Obligations	Costs
--------------------------------------	-------------	-------

Total Project Cost (TPC)

FY 2019	7,063	7,063	715
FY 2020	4,525	4,525	3,591
FY 2021	1,000	1,000	5,405
FY 2022	4,500	4,500	1,865
FY 2023	5,412	5,412	7,462
FY 2024	0	0	3,000
FY 2025	0	0	0

Total, TPC	22,500	22,500	22,038
------------	--------	--------	--------

Note: Funds for long-lead equipment may be requested prior to project baseline validation if approved by the Project Management Executive.

L Area and Balance of Plant Subproject*

(Dollars in thousands)

Budget Authority (Appropriations)	Obligations	Costs
--------------------------------------	-------------	-------

Total Estimated Cost (TEC)

Design

FY 2019	0	0	0
FY 2020	0	0	0
FY 2021	0	0	0
FY 2022	500	500	430
FY 2023	6,588	6,588	0
FY 2024	0	0	2,000
FY 2025	0	0	3,371

Total, Design	TBD	TBD	TBD
---------------	-----	-----	-----

Construction

FY 2019	0	0	0
FY 2020	0	0	0
FY 2021	0	0	0
FY 2022	0	0	0
FY 2023	0	0	0
FY 2024	0	0	0
FY 2025	0	0	0
FY 2026	708	708	708

	Budget Authority (Appropriations)	Obligations	Costs
Outyears	TBD	TBD	TBD
Total, Construction	TBD	TBD	TBD

TEC

FY 2019	0	0	0
FY 2020	0	0	0
FY 2021	0	0	0
FY 2022	500	500	430
FY 2023	6,588	6,588	0
FY 2024	0	0	2,000
FY 2025	0	0	4,658
FY 2026	708	708	708
Outyears	TBD	TBD	TBD
Total, TEC	TBD	TBD	TBD

OPC

FY 2019	0	0	0
FY 2020	0	0	0
FY 2021	0	0	0
FY 2022	0	0	0
FY 2023	0	0	0
FY 2024	0	0	0
FY 2025	0	0	0
FY 2026	0	0	0
Outyears	TBD	TBD	TBD
Total, OPC	TBD	TBD	TBD

Total Project Cost (TPC)

FY 2019	0	0	0
FY 2020	0	0	0
FY 2021	0	0	0
FY 2022	500	500	430
FY 2023	6,588	6,588	0
FY 2024	0	0	2,000
FY 2025	0	0	4,658
FY 2026	708	708	708
Outyears	TBD	TBD	TBD

	Budget Authority (Appropriations)	Obligations	Costs
Total, TPC	TBD	TBD	TBD

*L Area Subproject will include the minimal remaining scope of SRNL/General Site Subproject due to NNSA Transition. The majority of the SRNL/General Site scope will be under NNSA authority.

Overall Project (19-D-701)

(Dollars in thousands)			
	Budget Authority (Appropriations)	Obligations	Costs
Total Estimated Cost (TEC)			
Design			
FY 2019	7,063	7,063	715
FY 2020	4,525	4,525	3,591
FY 2021	0	0	5,405
FY 2022	500	500	1,625
FY 2023	6,588	6,588	0
FY 2024	0	0	2,000
FY 2025	0	0	3,371
Outyears	TBD	TBD	TBD
Total, Design	TBD	TBD	TBD
Construction			
FY 2019	2,937	2,937	987
FY 2020	0	0	1,551
FY 2021	1,000	1,000	0
FY 2022	4,500	4,500	670
FY 2023	5,412	5,412	7,462
FY 2024	0	0	3,000
FY 2025	0	0	0
FY 2026	708	708	708
Outyears	TBD	TBD	TBD
Total, Construction	TBD	TBD	TBD
TEC			
FY 2019	10,000	10,000	1,702
FY 2020	4,525	4,525	5,142
FY 2021	1,000	1,000	5,405
FY 2022	5,000	5,000	2,295

	Budget Authority (Appropriations)	Obligations	Costs
FY 2023	12,000	12,000	7,462
FY 2024	0	0	5,000
FY 2025	0	0	4,658
FY 2026	708	708	708
Outyears	TBD	TBD	TBD
Total, TEC	TBD	TBD	TBD

OPC

FY 2019	0	0	0
FY 2020	0	0	0
FY 2021	0	0	0
FY 2022	0	0	0
FY 2023	0	0	0
FY 2024	0	0	0
FY 2025	0	0	0
FY 2026	0	0	0
Outyears	TBD	TBD	TBD
Total, OPC	TBD	TBD	TBD

OPEXa

FY 2015	10,000	10,000	221
FY 2016	0	0	1,234
FY 2017	0	0	2,916
FY 2018	5,000	5,000	1,886
FY 2019	0	0	5,771
FY 2020	0	0	2,639
FY 2021	0	(157)	176
FY 2022	0	0	0
Total, OPEX	15,000	14,843	14,843

Total Project Cost (TPC)

FY 2015	10,000	10,000	221
FY 2016	0	0	1,234
FY 2017	0	0	2,916
FY 2018	5,000	5,000	1,886
FY 2019	10,000	10,000	7,473

	Budget Authority (Appropriations)	Obligations	Costs
FY 2020	4,525	4,525	7,781
FY 2021	1,000	843	5,581
FY 2022	5,000	5,000	2,365
FY 2023	12,000	12,000	7,462
FY 2024	0	0	1,682
FY 2025	0	0	4,658
FY 2026	708	708	708
Outyears	TBD	TBD	TBD
Total, TPC	TBD	TBD	TBD

4. Details of Project Cost Estimate

H Area Subproject

(Dollars in thousands)

Current Total Estimate	Previous Total Estimate	Original Validated Baseline
------------------------------	-------------------------------	-----------------------------------

Total Estimated Cost (TEC) ^a

Design			
Design	N/A	N/A	N/A
Contingency	N/A	N/A	N/A
Total, Design	N/A	N/A	N/A
Contingency	N/A	N/A	N/A
Construction	N/A	N/A	N/A
Site Preparation	N/A	N/A	N/A
Equipment	N/A	N/A	N/A
Other Construction	N/A	N/A	N/A
Contingency	N/A	N/A	N/A
Total, Construction	N/A	N/A	N/A
Contingency	N/A	N/A	N/A
Total, TEC	N/A	N/A	N/A
Contingency, TEC	N/A	N/A	N/A

Other Project Cost (OPC)

OPC except D&D			
Conceptual Planning	N/A	N/A	N/A
Conceptual Design	N/A	N/A	N/A
Start-Up	N/A	N/A	N/A
Contingency	N/A	N/A	N/A
Other OPC	N/A	N/A	N/A
Total, OPC	N/A	N/A	N/A
Contingency, OPC	N/A	N/A	N/A

Environmental Management/
Savannah River/19-D-701 SR Security
System Replacement Project

FY 2026 Congressional Justification

(Dollars in thousands)

Current Total Estimate	Previous Total Estimate	Original Validated Baseline
------------------------------	-------------------------------	-----------------------------------

Operating Expense Costs (OPEX) H Area Subproject Only ^b

Conceptual Planning	221	275	221
Conceptual Design	1,234	1,924	1,234
Start-Up	3,473	412	3,473
Design	1,753	5,063	1,753
Design Contingency	0	984	0
Other Project Costs (OPC)	926	0	926
OPC Contingency	232	137	232
Site Preparation	0	0	0
Equipment	230	213	230
Other Construction ^a	4,074	11,489	4,074
Construction Contingency	2,857	2,943	2,857
Total, OPEX	15,000	23,440	15,000
Total H Area, TPC	17,937	23,440	17,937
Total H Area Contingency	3,089	4,064	3,089

^a H Area was provided \$15,000,000 in OPEX funding to complete \$18,000,000 Total Project Cost baseline scope. \$2,937,000 Total Estimated Cost funding will be used from FY 2019-line-item funding to execute construction scope for H Area and remaining prior year OPEX funding will be used to complete installation and close out the H Area Argus subproject.

^b OPEX funding from PBS SR-0020 in prior years will be used to complete installation and close out the H Area Argus subproject. OPEX funding of \$15,000,000 from PBS SR-0020 was used to fund the H Area Argus subproject baseline from FY2015 – FY2018. FY 2019 Total Estimated Cost of \$2,937,000 Total Estimated Cost was obligated to complete H Area construction scope. No further funding requests will be needed to complete the H Area subproject.

K Area Subproject

(Dollars in thousands)

	Current Total Estimate	Previous Total Estimate	Original Validated Baseline
Total Estimated Cost (TEC) ^a			
Design			
Design	11,061	7,620	11,061
Contingency	0	1,413	0
Total, Design	11,061	9,033	11,061
Contingency	0	1,413	0
Construction			
Site Preparation	0	0	0
Equipment	1,614	300	1,614
Other Construction	10,886	18,771	56,514

	(Dollars in thousands)		
	Current Total Estimate	Previous Total Estimate	Original Validated Baseline
Contingency	2,147	7,103	6,868
Total, Construction	14,647	26,174	64,996
Total, TEC	25,708	35,207	76,057
Contingency, TEC	2,147	8,516	6,868
Other Project Cost (OPC)			
OPC except D&D			
Conceptual Planning	0	0	0
Conceptual Design	0	0	0
Start-Up	0	0	0
Contingency	500	0	500
Other OPC	2,880	2,084	2,880
Total, OPC	3,380	2,084	3,380
Contingency, OPC	500	0	500
Total K Area, TPC	29,088	37,291	79,437
Total K Area, Contingency	2,647	8,516	7,368

L Area and Balance of Plant Subproject

	(Dollars in thousands)		
	Current Total Estimate	Previous Total Estimate	Original Validated Baseline
Total Estimated Cost (TEC) ^a			
Design			
Design	TBD	TBD	TBD
Contingency	TBD	TBD	TBD
Total, Design	TBD	TBD	TBD
Contingency	TBD	TBD	TBD
Construction			
Site Preparation	TBD	TBD	TBD
Equipment	TBD	TBD	TBD
Other Construction	TBD	TBD	TBD
Contingency	TBD	TBD	TBD
Total, Construction	TBD	TBD	TBD
Contingency	TBD	TBD	TBD
Total, TEC	TBD	TBD	TBD
Contingency, TEC	TBD	TBD	TBD
Other Project Cost (OPC)			

(Dollars in thousands)			
	Current Total Estimate	Previous Total Estimate	Original Validated Baseline
OPC except D&D			
Conceptual Planning	N/A	N/A	N/A
Conceptual Design	N/A	N/A	N/A
Start-Up	TBD	TBD	TBD
Contingency	TBD	TBD	TBD
Other OPC	TBD	TBD	TBD
Total, OPC	TBD	TBD	TBD
Contingency, OPC	TBD	TBD	TBD
Total L Area, TPC	TBD	TBD	TBD
Total L Area, Contingency	TBD	TBD	TBD

Overall Project (19-D-701)

(Dollars in thousands)			
	Current Total Estimate	Previous Total Estimate	Original Validated Baseline
Total Estimated Cost (TEC) ^a			
Design			
Design	TBD	TBD	TBD
Contingency	TBD	TBD	TBD
Total, Design	TBD	TBD	TBD
Contingency	TBD	TBD	TBD
Construction			
Site Preparation	TBD	TBD	TBD
Equipment	TBD	TBD	TBD
Other Construction	TBD	TBD	TBD
Contingency	TBD	TBD	TBD
Total, Construction	TBD	TBD	TBD
Contingency	TBD	TBD	TBD
Total, TEC	TBD	TBD	TBD
Contingency, TEC	TBD	TBD	TBD
Other Project Cost (OPC)			
OPC except D&D			
Environmental Management/ Savannah River/19-D-701 SR Security System Replacement Project			

(Dollars in thousands)

	Current Total Estimate	Previous Total Estimate	Original Validated Baseline
Conceptual Planning	N/A	N/A	N/A
Conceptual Design	N/A	N/A	N/A
Start-Up	TBD	TBD	TBD
Contingency	TBD	TBD	TBD
Other OPC	TBD	TBD	TBD
Total, OPC	TBD	TBD	TBD
Contingency, OPC	TBD	TBD	TBD
Operating Expense Costs (OPEX) H Area Subproject Only ^b			
Conceptual Planning	221	275	221
Conceptual Design	1,234	1,924	1,234
Start-Up	3,473	412	3,473
Design	1,753	5,063	1,753
Design Contingency	0	984	0
Other Project Costs (OPC)	926	0	926
OPC Contingency	232	137	232
Site Preparation	0	0	0
Equipment	230	213	230
Other Construction ^a	4,074	11,489	4,074
Construction Contingency	2,857	2,943	2,857
Total, OPEX	15,000	23,440	15,000
Contingency, OPEX	3,089	TBD	TBD
Total Project, TPC	TBD	TBD	TBD
Total Project, Contingency	TBD	TBD	TBD

5. Schedule of Appropriation Requests (\$K)

Request	Type	Prior Years	FY 2023	FY 2024	FY 2025	FY 2026	Outyears	Total
FY 2023	TEC	20,525	12,000				84,244	116,769
	OPC	0	0				1,846	1,846
	OPEX	15,000	0				0	15,000
	TPC	35,525	12,000				86,090	133,615
FY 2024	TEC	20,525	12,000	0			84,244	116,769
	OPC	0	0	0			1,846	1,846
	OPEX	15,000	0	0			0	15,000
	TPC	35,525	12,000	0			86,090	133,615
FY 2025	TEC	20,525	12,000	0	6,000		39,278	77,803
	OPC	0	0	0	0		1,435	1,435
	OPEX	15,000	0	0	0		0	15,000
	TPC	35,525	12,000	0	6,000		40,713	94,238
FY 2026	TEC	20,525	12,000	0	0	708	TBD	TBD
	OPC	0	0	0	0	0	TBD	TBD

Request	Type	Prior Years	FY 2023	FY 2024	FY 2025	FY 2026	Outyears	Total
	OPEX	15,000	0	0	0	0	TBD	TBD
	TPC	35,525	12,000	0	0	708	TBD	TBD

6. Related Operations and Maintenance Funding Requirements

Start of Operation or Beneficial Occupancy (fiscal quarter or date)
Expected Useful Life (number of years)
Expected Future Start of D&D

2Q FY 2029
20 Years
N/A

Related Funding Requirements

(Dollars in Thousands)

	Annual Costs		Life Cycle Costs	
	Current Total Estimate	Previous Total Estimate	Current Total Estimate	Previous Total Estimate
Operations	TBD	N/A	TBD	N/A
Maintenance	TBD	N/A	TBD	N/A
Total, Operations & Maintenance	TBD	N/A	TBD	N/A

7. D&D Information

The EM ARGUS project is a one-for-one replacement project of the EM Security System associated with the Cat I/II Nuclear Facilities at Savannah River Site. There are no plans in place for the Demolition & Disposition of the system. Demolition & Disposition will occur commensurate with the Demolition & Disposition schedule for the facilities in which the system is installed.

8. Acquisition Approach

The site Management and Operations contractor was determined to be the best contract alternative. The Management and Operations has security cleared personnel already trained and qualified to perform work in the various areas and facilities associated with the project, the ability to use resources interchangeably between areas, and the ability to "turn off" the resources if funding issues arise without losing the resources by having to renegotiate or sever a fixed price contract. The Management and Operations would simply redeploy the resources within the Management and Operations entity. The Management and Operations has also successfully installed the Argus system in other areas on site.

**20-D-401, Saltstone Disposal Units 10-12
Savannah River Site, Aiken, SC
Project is for Design and Construction**

1. Summary, Significant Changes, and Schedule and Cost History

Summary

The FY 2026 Request for the Saltstone Disposal Units 10-12 project is \$59,300,000 (includes \$52,500,000 for Total Estimated Costs for Design and Construction activities and \$6,800,000 of Other Project Cost. The \$6,800,000 of Other Project Cost funds are covered within PBS SR-0014C. Funding requested for FY 2026 will support the execution of construction activities on SDUs 10 and 11. The Congressional control is for total estimated cost.

Saltstone Disposal Units 10-12 will be designed and constructed based on successful completion of Saltstone Disposal Units 6, 7, and 8/9 and incorporation of Lessons Learned. Saltstone Disposal Units 10-12 will be designed and constructed as closely in parallel as feasible to take advantage of efficiencies in subcontractor mobilization and use of resources.

In accordance with DOE Order 413.3B, the Federal Project Director has been assigned. The Federal Project Director is a Level IV certification.

Significant Changes

This Construction Project Data Sheet is an update of the FY 2025 Congressional Construction Project Data Sheet and does not include a new start for the budget year.

Critical Milestone History

Fiscal Year (FY)	CD-0	Conceptual Design Complete	CD-1	CD-2	Final Design Complete	CD-3	D&D Complete*	CD-4
FY 2020	9/11/2017	12/21/2018	12/21/2018	TBD	TBD	TBD	N/A	TBD
FY 2022	9/11/2017	12/21/2018	12/21/2018	TBD	TBD	TBD	N/A	TBD
FY 2023	9/11/2017	12/21/2018	12/21/2018	9/13/2021	4Q FY29	9/13/2021	N/A	4QFY30
FY 2024	9/11/2017	12/21/2018	12/21/2018	9/13/2021	4Q FY29	9/13/2021	N/A	4QFY30
FY 2025	9/11/2017	12/21/2018	12/21/2018	9/13/2021	4Q FY29	9/13/2021	N/A	4QFY30
Reprogramming ^a	9/11/2017	12/21/2018	12/21/2018	9/13/2021	4Q FY29	9/13/2021	N/A	4Q FY30
FY 2026	9/11/2017	12/21/2018	12/21/2018	9/13/2021	4Q FY29	9/13/2021	N/A	4Q FY30

CD-0 – Approve Mission Need

Conceptual Design Complete – Actual date the conceptual design was completed (if applicable)

CD-1 – Approve Alternative Selection and Cost Range

CD-2 – Approve Performance Baseline

CD-3 – Approve Start of Construction

Final Design Complete – Estimated/Actual date the project design will be /was completed, Phased Design tailoring strategy

D&D Complete – Completion of D&D work (see Section 5)

CD-4 – Approve Start of Operations or Project Completion

PB – Indicates the Performance Baseline

^a Formal reprogramming of \$35,400,000 from the completed SDU 8/9 Project in support of the SDU 10-12 Project due to the CR funding reduction.

*D&D activities not part of this Project

Project Cost History

**Environmental Management/
Savannah River/20-D-401 Saltstone
Disposal Units 10-12**

FY 2026 Congressional Justification

(\$ in thousands)

	TEC, Design	TEC, Constructi on	TEC, Total	OPC Except D&D	OPC, D&D	OPC, Total	TPC
FY 2020	TBD	TBD	TBD	TBD	N/A	TBD	TBD
FY 2022	TBD	TBD	TBD	TBD	N/A	TBD	TBD
FY 2023	10,167	441,340	451,507	44,493	N/A	44,493	496,000
FY 2024	10,167	441,340	451,507	44,493	N/A	44,493	496,000
FY 2025	10,167	441,340	451,507	44,493	N/A	44,493	496,000
Reprogramming ^a	10,167	441,340	451,507	44,493	N/A	44,493	496,000
FY 2026	10,167	441,340	451,507	44,493	N/A	44,493	496,000

^a Formal reprogramming of \$35,400,000 from the completed SDU 8/9 Project in support of the SDU 10-12 Project due to the CR funding reduction.

2. Project Scope and Justification

Scope

The Saltstone Disposal Units are required to provide the primary containment of Saltstone grout with sufficient capacity to support site closure goals and salt waste projections identified in the Liquid Waste System Plan. The mission need addressed by this project is critical for the final disposition of the decontaminated salt solution that is produced by the liquid waste system and without which the commitments made in the Federal Facilities Agreement with the State of South Carolina and the Environmental Protection Agency cannot be achieved.

The Saltstone Disposal Units 10-12 are next in a series of projects that contain and disposition decontaminated salt solution (in the form of Saltstone grout) generated by the treatment of liquid nuclear waste at the Savannah River Site. Saltstone Disposal Units 10-12 project will construct three (3) 375 feet in diameter, 43 feet high, 34,000,000-gallon cylindrical large tank disposal cells based on American Water Works Association design. This will include all infrastructure necessary to accept Saltstone grout produced by the Saltstone Production facility with sufficient capacity to meet the estimated production rates identified in the Savannah River Site Liquid Waste System Plan.

Justification

Built in the 1980s, the Z-Area Saltstone Facility applies a process that immobilizes low-level radioactive salt solution waste in grout. Dry materials are unloaded from dry bulk pneumatic trailers and conveyed to storage silos. The dry solids (fly ash, slag, and cement), are then discharged from the silos, weighed, and blended to produce a premix dry feed. Salt solution which is received from H-Area Waste Tank 50 through the Inter-area Transfer System through the Salt Feed Tank and premix are proportionally measured and fed to a mixer in the 210-Z process room to produce a Saltstone grout, which is pumped to the disposal units for permanent disposal. The grout hardens to form Saltstone that is a leach-resistant, non-hazardous solid waste form as defined by South Carolina Department of Health and Environmental Control regulations. The combination of the monolithic non-hazardous solid Saltstone waste form, concrete vault cell, and closure cap system controls migration of chemical and radioactive constituents to the environment. The Saltstone Disposal Unit projects have been initiated to provide landfill capacity for receipt of Low Activity Treated Waste grout. The need for the Saltstone Disposal Unit is driven by the Savannah River Site Liquid Waste Disposition Program Plan to accomplish cleanup objectives. Saltstone Disposal Unit projects provide the benefits of lower disposal cost for decontaminated salt solutions. The grout itself provides primary containment of the waste, and the walls, floor, and roof of the Disposal Units provide secondary containment. Saltstone Disposal Unit will be constructed in coordination with salt processing production rates.

The need date for all Saltstone Disposal Units is recorded in the Savannah River Site Liquid Waste System Plan. This plan documents the strategy of dispositioning the liquid waste in the Savannah River Site tank farm and meeting the Federal Facility Agreement for tank closure. It is a living document that is routinely updated to account for any changes that may affect the liquid waste system (e.g., funding fluctuations, changes in technology, facility availability, etc.).

The project contingency is based upon previous experience and risks associated with the successful construction of Saltstone Disposal Unit 6, 7, 8, and 9.

The project is being conducted in accordance with the project management requirements in DOE Order 413.3B, Program and Project Management for the Acquisition of Capital Assets.

Key Performance Parameters

The Threshold Key Performance Parameters, represent the acceptable performance that the project must achieve. Achievement of the Threshold Key Performance Parameters will be a prerequisite for approval of Critical Decision 4, Project Completion.

Performance Measure	Threshold
Capacity	Provide saltstone grout containment capacity of no less than 30,000,000 gallons.
Throughput	Provide infrastructure capable of delivering saltstone grout at 100 gallons per minute minimum.
Leak Detection	Install a leak detection system in accordance with the Z-Area Industrial Solid Waste Landfill Permit requirements.

3. Project Cost and Schedule

Financial Schedule

(Dollars in thousands)

	Appropriations	Obligations	Costs
Design			
FY 2020	500	500	48
FY 2021	562	562	473
FY 2022	9,105	9,105	9,646
FY 2023	0	0	0
FY 2024	0	0	0
FY 2025	0	0	0
Outyears	0	0	0
Total, Design	10,167	10,167	10,167
Construction			
FY 2020	0	0	0
FY 2021	0	0	0
FY 2022	8,702	8,702	356
FY 2023	37,668	37,668	40,000
FY 2024	56,250	56,250	56,250
FY 2025*	91,650	91,650	91,650
FY 2026	52,500	52,500	52,500

(Dollars in thousands)

	Appropriations	Obligations	Costs
FY 2027	82,500	82,500	82,500
FY 2028	82,500	82,500	82,500
FY 2029	29,570	29,570	35,584
Outyears	0	0	0
Total, Construction	441,340	441,340	441,340

TEC			
FY 2020	500	500	48
FY 2021	562	562	473
FY 2022	17,807	17,807	10,002
FY 2023	37,668	37,668	40,000
FY 2024	56,250	56,250	56,250
FY 2025*	91,650	91,650	91,650
FY 2026	52,500	52,500	52,500
FY 2027	82,500	82,500	82,500
FY 2028	82,500	82,500	82,500
FY 2029	29,570	29,570	35,584
Outyears	0	0	0
Total, TEC	451,507	451,507	451,507

OPC			
FY 2018	218	218	218
FY 2019	1,191	1,191	1,191
FY 2020	657	657	657
FY 2021	1,439	1,439	1,439
FY 2022	4,400	4,400	4,400
FY 2023	4,250	4,250	4,250
FY 2024	5,000	5,000	5,000
FY 2025	6,700	6,700	6,700
FY 2026	6,800	6,800	6,800
FY 2027	6,800	6,800	6,800
FY 2028	3,100	3,100	3,100
FY 2029	3,100	3,00	3,100
Outyears	838	838	838

Total, OPC	44,493	44,493	44,493
------------	--------	--------	--------

Total Project Cost (TPC)			
FY 2018	218	218	218
FY 2019	1,191	1,191	1,191
FY 2020	1,157	1,157	705
FY 2021	2,001	2,001	1,912
FY 2022	22,207	22,207	14,402
FY 2023	41,918	41,918	44,250
FY 2024	61,250	61,250	61,250
FY 2025*	98,350	98,350	89,200
FY 2026	59,300	59,300	89,300
FY 2027	89,300	89,300	89,300
FY 2028	85,600	85,600	63,050

(Dollars in thousands)

	Appropriations	Obligations	Costs
FY 2029	32,670	32,670	40,384
Out years	838	838	838
Total, TPC	496,000	496,000	496,000

* Includes reprogramming

4. Details of Project Cost Estimate

(Dollars in thousands)

	Current Total Estimate	Previous Total Estimate	Original Validated Baseline
Total Estimated Cost (TEC)			
Design			
Design	9,381	9,381	9,381
Contingency	786	786	786
Total, Design	10,167	10,167	10,167
Construction			
Site Preparation			
Equipment			
Other Construction	384,774	384,774	384,774
Contingency	27,353	27,353	27,353
Fee	29,213	29,213	29,213
Total, Construction	441,340	441,340	441,340
Total, TEC	451,507	451,507	451,507
Contingency, TEC	28,139	28,139	28,139
Other Project Cost (OPC)			
OPC except D&D			
Conceptual Planning			
Conceptual Design	43,638	43,638	43,638
Start-up			
Contingency	855	855	855
Other OPC			
Total, OPC except D&D	44,493	44,493	44,493
Total, OPC	44,493	44,493	44,493
Total, Contingency	855	855	855
Total, TPC	496,000	496,000	496,000
Total, Contingency	28,994	28,994	28,994

5. Schedule of Appropriation Requests

Request		Prior Years	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	Out-years	Total
FY 2020	TEC	500						TBD		TBD
	OPC	500						TBD		TBD
	TPC	1,000						TBD		TBD
FY 2022	TEC	20,562						TBD		TBD
	OPC	5,750						TBD		TBD
	TPC	26,312						TBD		TBD
FY 2023	TEC	58,230						TBD		451,507
	OPC	10,000						TBD		44,493
	TPC	68,230						TBD		496,000
FY 2024	TEC	56,537	56,250	82,500	82,500	82,500	59,950	29,577		451,507
	OPC	12,155	5,000	6,700	6,800	6,800	3,100	5,992		44,493
	TPC	68,692	61,250	89,200	89,300	89,300	63,050	35,570		496,000
FY 2025	TEC	56,537	56,250	82,500	82,500	82,500	59,950	29,577		451,507
	OPC	12,155	5,000	6,700	6,800	6,800	3,100	5,992		44,493
	TPC	68,692	61,250	89,200	89,300	89,300	63,050	35,570		496,000
FY 2025 Reprogramming ^a	TEC	56,537	56,250	91,650	82,500	82,500	59,950	20,427		451,507
	OPC	12,155	5,000	6,700	6,800	6,800	3,100	5,992		44,493
	TPC	68,692	61,250	98,350	89,300	89,300	63,050	26,419		496,000
FY 2026	TEC	56,537	56,250	91,650	52,500	82,500	82,500	29,570		451,507
	OPC	12,155	5,000	6,700	6,800	6,800	6,800	3,100	838	44,493
	TPC	68,692	61,250	98,350	59,300	89,300	89,300	32,670	838	496,000

^a Formal reprogramming of \$35,400,000 from the completed SDU 8/9 Project in support of the SDU 10-12 Project due to funding reduction (CR).

6. Related Operations and Maintenance Funding Requirements

Start of Operation or Beneficial Occupancy – SDU 10	May-2027
Start of Operation or Beneficial Occupancy – SDU 11	Dec-2028
Start of Operation or Beneficial Occupancy – SDU 12	Aug-2030
Expected Useful Life (number of years) (per Saltstone Disposal Unit)	5
Expected Future Start of D&D	N/A

Related Funding Requirements

(Dollars in Thousands)

COST ESTIMATED PER SALTSTONE DISPOSAL UNIT	Annual Costs		Life Cycle Costs	
	Current Total Estimate	Previous Total Estimate	Current Total Estimate	Previous Total Estimate
Operations	100	N/A	500	N/A
Maintenance	50	N/A	150	N/A
Total, Operations & Maintenance	150	N/A	750	N/A

7. D&D Information

Project licensed by the State of South Carolina as a landfill. Decontamination and Decommissioning is not applicable for this project.

The new area being constructed in this project is not replacing existing facilities.

The location of this construction project is an environmental management closure site and, therefore, is exempt from the "one-for-one" requirement.

8. Acquisition Approach

Currently, the approach assumes that the liquid waste Prime Contractor will be used to create the design, provide engineering, and project management support, or other services required to execute the project. This project will be designed and constructed consistent with the successful execution of the Saltstone Disposal Unit 6, 7, and 8/9 projects, incorporating best practices and lessons learned.

Lawrence Livermore National Laboratory

Overview

Lawrence Livermore National Laboratory is a National Nuclear Security Administration multi-disciplinary research and development center focusing on weapons development, stewardship and homeland security. Cleanup of the Lawrence Livermore National Laboratory Main Site led to the final disposition of legacy waste inventories and the build-out of the Lawrence Livermore National Laboratory Livermore Site Environmental Restoration Project. The Lawrence Livermore National Laboratory Hazardous Waste Management Program and Long-Term Stewardship associated with the Lawrence Livermore National Laboratory Main Site Environmental Restoration Project transferred from EM to the National Nuclear Security Administration in FY 2006. The EM-managed Lawrence Livermore National Laboratory Excess Facilities decommissioning, and demolition effort commenced in 2018.

Lawrence Livermore National Laboratory Site 300 is a remote experimental testing facility which conducts research, development, and testing of high explosives and integrated non-nuclear weapons components. The site was placed on the U.S. Environmental Protection Agency's National Priority List in 1990 due to legacy contamination from past operations. Remedial action selection and build-out is complete for Operable Units 1 through 8, apart from perchlorate groundwater contamination at Building 850 (Operable Unit 5).

Long-Term Stewardship responsibility for Operable Units 1-8 was transferred to the National Nuclear Security Administration. Within the nine Operable Units, there are 73 contaminant release sites at Site 300, of which 69 have been completed. EM's responsibility is the characterization, remedy selection, and implementation for remaining perchlorate contamination in Building 850 groundwater, Building 865, Building 812 Firing Table and Building 812 Wastewater Outflow within Operable Unit 9. Upon completion of characterization and/or remedy selection and implementation for perchlorate contamination in Building 850 groundwater and for Building 865, these areas will be incorporated into Operable Units 5 and 8, respectively, and responsibility will be transferred to the National Nuclear Security Administration.

Twenty-one groundwater and soil vapor extraction and treatment facilities at Lawrence Livermore National Laboratory Site 300 have been constructed and are operational. The remedy selection and implementation for soil and groundwater for Building 865 (Operable Unit 8), Building 812 (Operable Unit 9 Firing Table and Wastewater Outflow), and the remaining perchlorate contamination in Building 850 (Operable Unit 5) groundwater are currently scheduled for completion by the end of FY 2033. Other cleanup work at Lawrence Livermore National Laboratory Site 300 is for site investigations, hydrogeologic studies, stakeholder liaisons and state grants payment.

The remaining EM investigations and actions at Lawrence Livermore National Laboratory Site 300 are required by the Lawrence Livermore National Laboratory Site 300 Federal Facility Agreement; the Comprehensive Environmental Response, Compensation and Liability Act; and the National Contingency Plan. The Federal Facility Agreement describes remedial investigations, action requirements plus a procedural framework to develop, implement, and monitor remedial actions. The Comprehensive Environmental Response, Compensation and Liability Act and the National Contingency Plan provide the federal statutory and regulatory requirements for cleanup of legacy contamination.

EM restoration work benefits at Lawrence Livermore National Laboratory Site 300 include the reduction of potential human health and ecological risk by focusing on contaminant plumes and sources that are the greatest contributors to risk. The overall goal is to ensure that risks to the public and workers are controlled, followed by work to clean up soil and groundwater using a risk-based methodology.

The 2018 Consolidated Appropriations Act, (Public Law 115-141), directed DOE to decommission and demolish the B280 Pool Type Reactor and other excess facilities at Lawrence Livermore National Laboratory. The Department annually screens excess facilities to identify the highest risks to missions, the workforce, the public,

and the environment to support risk-informed decisions by senior leadership. The Department identified five of the highest risk excess facilities at Lawrence Livermore National Laboratory. Continued deterioration of these facilities has increased the risks posed and has complicated the work necessary to dispose of the facilities.

Highlights of the FY 2026 Budget Request

Demolition planning efforts will continue at other National Nuclear Security Administration-owned high-risk contaminated excess facilities including Building 251 slab and soil removal and Building 212 (Rotating Target Neutron Source Facility).

Most activities scheduled for FY 2026 for Site 300 support the development of remedial solutions for contamination at Building 812 (Firing Table and Wastewater Outflow), Building 850, and Building 865.

FY 2025 - FY 2026 Key Milestones/Outlook

- (December 2024) Completed Building 251 (Heavy Element Facility) demolition to slab.
- (April 2025) Completed Building 175 slab and soil removal.
- (September 2025) Commence Legacy Slab and Building 212 Demolition and Dismantlement.
- (July 2026) Complete Legacy Slab 412 slab and soil removal.
- (September 2026) Complete Building 280 Demolition and Dismantlement.
- (September 2026) Complete Building 281 Demolition and Dismantlement.
- (September 2026) Commence Building 241 demolition and dismantlement.
- (May 2027) Complete final Remedial Investigation/Feasibility Study for Building 812.

Regulatory Framework

- Federal Facility Agreement with the U.S. Environmental Protection Agency and two State of California Regulatory Agencies (1992).
- Comprehensive Environmental Response, Compensation and Liability Act.

Contractual Framework

The current contract with Lawrence Livermore National Security, LLC, for the operation of Lawrence Livermore National Laboratory is a Management and Operating contract under the management and oversight of the National Nuclear Security Administration. The current contract began in 2007 with a seven-year base and up to 13 one-year option award terms. Program planning and management at Lawrence Livermore National Laboratory is conducted through the issuance and execution of subcontracts to large and small businesses. Lawrence Livermore National Laboratory utilizes near- and long-term planning approaches in order to develop contract strategies and program/project plans at a more detailed level. Selected subcontractors then execute these plans to support the Site 300 cleanup project.

EM work is typically executed through work authorizations under the National Nuclear Security Administration's Management and Operating contract, with cleanup work typically performed by Lawrence Livermore National Security and its subcontractors. However, for the National Nuclear Security Administration-owned high-risk contaminated excess facilities, EM is using multiple contracting avenues to facilitate decommissioning and demolition. EM is partnering with the U.S. Army Corps of Engineers to accomplish the Building 280 reactor removal and demolition and issuing work authorizations under the National Nuclear Security Administration's Management and Operating contract to remove the demolished Building 175 (Mars E-Beam Facility) slab and soil, remove the Legacy Slab 412 slab and soil and continue decommissioning and demolition planning activities for Legacy Slab and Building 212. EM is also using a Nationwide Deactivation, Decommissioning and Removal Indefinite Delivery-Indefinite Quantity contract for Building 251 demolition to slab and Building 281 demolition to slab.

Strategic Management

Position the Department of Energy to meet the challenges of the nation's Manhattan Project and Cold War legacy responsibilities:

- Prevent contamination of water supply wells and associated risk to human health and loss of beneficial uses of groundwater.
- Prevent exposure of onsite workers to contaminants and reduce the current risk.
- Control and prevent further offsite plume migration.
- Reduce contaminant concentration and mass in the vadose zone and groundwater.
- Control contaminant sources.

The following factors could have significant impacts on individual projects and may impact the overall cleanup scope, schedule, and cost. Potential impacts are as follows:

- The U.S. Environmental Protection Agency and the State of California Water Board regulators for the Site 300 project have been performing in-depth reviews of previously addressed areas and revisiting past cleanup decisions.
- Emerging contaminants, such as Perfluoroalkyl and Polyfluoroalkyl Substances (PFAS), could result in added cleanup scope.
- The major uncertainty is the remediation of the depleted uranium contaminated soil at the Building 812 Firing Table (Operable Unit 9).
- The challenges of the project include the excavation of soil from very steep terrain, large volumes of soil to be remediated, and potential impacts to endangered species habitat and surface water drainage ways in the area during excavation and remediation.

Lawrence Livermore National Laboratory

Funding (\$K)

	FY 2024 Enacted	FY 2025 Enacted	FY 2026 Request	FY 2026 Request vs FY 2025 Enacted \$	FY 2026 Request vs FY 2025 Enacted (%)
Defense Environmental Cleanup					
NNSA Sites					
Lawrence Livermore National Laboratory					
VL-FOO-0013B-D / Solid Waste Stabilization and Disposition Support - Lawrence Livermore National Laboratory (Defense)	430	430	447	+17	+4%
VL-LLNL-0031 / Soil and Water Remediation-Lawrence Livermore National Laboratory - Site 300	1,449	1,449	1,508	+59	+4%
Subtotal, Lawrence Livermore National Laboratory	1,879	1,879	1,955	+76	+4%
LLNL Excess Facilities D&D					
CBC-LLNL-0040 / LLNL Excess Facilities D&D	35,000	0	0	+0	0%
Total, NNSA Sites	36,879	1,879	1,955	+76	+4%

**Lawrence Livermore National Laboratory
Explanation of Major Changes (\$K)**

FY 2025 Enacted	FY 2026 Request	FY 2026 Request vs FY 2025 Enacted
----------------------------	----------------------------	---

Defense Environmental Cleanup

NNSA Sites

Lawrence Livermore National Laboratory

VL-FOO-0013B-D / Solid Waste Stabilization and Disposition Support - Lawrence Livermore National Laboratory (Defense)

- No significant change.

430	447	+17
-----	-----	-----

VL-LLNL-0031 / Soil and Water Remediation-Lawrence Livermore National Laboratory - Site 300

- No significant change.

1,449	1,508	+59
-------	-------	-----

LLNL Excess Facilities D&D

CBC-LLNL-0040 / LLNL Excess Facilities D&D

- Activities will be carried out by the use of carryover funds.

0	0	+0
---	---	----

Total, Lawrence Livermore National Laboratory

1,879	1,955	+76
--------------	--------------	------------

Solid Waste Stabilization and Disposition Support (PBS:VL-FOO-0013B-D)

Overview

This PBS is within the Defense Environmental Cleanup appropriation.

The activities in this PBS support the EM cleanup activities at Site 300 that will be completed with build out for perchlorate in groundwater at the Building 850 firing table in Operable Unit 5; remedy selection and/or build out at Building 865 in Operable Unit 8; and remediation of contaminated soil and build out of the remedy for remediation of groundwater at the Building 812 Firing Table in Operable Unit 9. Activities performed in this project will continue to provide funding for:

- Grants to the State of California Regional Water Quality Control Board and the California Department of Toxic Substances Control to provide Comprehensive Environmental Response, Compensation, and Liability Act oversight. This funding is mandated by the Federal Facility Agreement signed by DOE, the U.S. Environmental Protection Agency, and the State of California.
- Site investigations, hydrogeologic studies, regulatory review, and stakeholder liaisons are also managed within this project through wide applicability of these restoration activities. This project will end when the EM environmental restoration activities at Site 300 (as described above) are completed, and the areas turned over to the National Nuclear Security Administration under Long-Term Stewardship currently projected for FY 2032.

Solid Waste Stabilization and Disposition Support - Lawrence Livermore National Laboratory (Defense) (PBS: VL-FOO-0013B-D)

Activities and Explanation of Changes

FY 2025 Enacted	FY 2026 Request	Explanation of Changes - FY 2026 Request vs FY 2025 Enacted
\$430,000	\$447,000	+\$17,000
• Provide grants to the State of California Regional Water Quality Control Board and the California Department of Toxic Substances Control to support Comprehensive Environmental Response, Compensation, and Liability Act oversight. This funding is mandated by the Federal Facility Agreement signed by DOE, Environmental Protection Agency, and the State of California.	• Provide grants to the State of California Regional Water Quality Control Board and the California Department of Toxic Substances Control to support Comprehensive Environmental Response, Compensation, and Liability Act oversight. This funding is mandated by the Federal Facility Agreement signed by DOE, Environmental Protection Agency, and the State of California.	• No significant change.

Soil and Water Remediation (PBS: VL-LLNL-0031)

Overview

This PBS is within the Defense Environmental Cleanup appropriation.

The remedial actions required by regulatory decision documents will reduce the risks, overall liability, and mortgage at Site 300 associated with the four remaining EM contaminant release sites:

- Release Site 0035: Building 865 (Advanced Test Accelerator)
- Release Site 0038: Building 812 Firing Table (Operable Unit 9)
- Release Site 0040: Building 850 Firing Table Groundwater Project (Building 850 portion of Operable Unit 5)
- Release Site 0049: Building 812 Wastewater Outflow (Operable Unit 9)

Remedial investigation and remedial buildout at the Building 812/Operable Unit 9, Building 865/Operable Unit 8, and for perchlorate in Building 850/Operable Unit 5 groundwater remain the responsibility of EM. When remedial investigations and remedial action selection buildout in these areas are complete, responsibility for the management and funding of Long-Term Stewardship activities required by the Comprehensive Environmental Response Compensation and Liability Act will be transferred from EM to the National Nuclear Security Administration.

Waste characterization at DOE waste generator sites will be funded by their respective site and includes activities such as visual examination, real time radiography, nondestructive assay, dose to curie conversion, and flammable gas analysis. Certification of waste characterization activities of legacy transuranic waste at Savannah River Site, Oak Ridge National Laboratory, Lawrence Livermore National Laboratory, and Los Alamos National Laboratory will be funded by PBS Central Characterization Project (CB-0081), whereas the Idaho National Laboratory funds its waste characterization certification. Transportation certification is funded by PBS Central Characterization Project (CB-0081).

Soil and Water Remediation-Lawrence Livermore National Laboratory - Site 300 (PBS: VL-LLNL-0031)

Activities and Explanation of Changes

FY 2025 Enacted	FY 2026 Request	Explanation of Changes - FY 2026 Request vs FY 2025 Enacted
\$1,449,000	\$1,508,000	+\$59,000

-
- Finalize the metals and uranium background survey.
 - Continue the Treatability Study for Enhanced In Situ Bioremediation of Perchlorate in Ground water at Building 850/Operable Unit 5.
 - Continue the Treatability Study for Enhanced In Situ Bioremediation of Perchlorate in Ground water at Building 850/Operable Unit 5.
 - Initiate the Remedial Investigation/Feasibility Study for Building 812.
 - Initiate the Remedial Investigation/Feasibility Study for Building 865 part 2 – Metals in Soil.
 - No significant change.

LLNL Excess Facilities D&D (PBS: CBC-LLNL-0040)

Overview

This PBS is within the Defense Environmental Cleanup appropriation.

This PBS includes the characterization, deactivation and demolition of high-risk excess facilities. The Consolidated Appropriations Act, 2018 (Public Law 115-141), directed DOE to decommission and demolish excess facilities at the Lawrence Livermore National Laboratory. The Department identified the following facilities as among the highest risks to missions, the workforce, the public, and the environment.

- Pool-Type Reactor, Building 280
- MARS-E Beam Facility, Building 175
- Rotating Target Neutron Source Facility, Building 292
- Heavy Element Facility, Building 251
- Pluto Project Testing and Fabrication Facility, Building 241

LLNL Excess Facilities D&D (PBS: CBC-LLNL-0040)

Activities and Explanation of Changes

FY 2025 Enacted	FY 2026 Request	Explanation of Changes - FY 2026 Request vs FY 2024 Enacted
\$35,000,000	\$0	-\$35,000,000
• Continue progress on demolition and disposition of Building 280, Building 251, and removal of the Building 280 and 175 slabs. • Commence characterization activities at additional excess facilities.	• Continue progress on demolition and disposition of Building 280, Building 251, Building 281, and removal of the Building 280, 175, and 377 slabs. • Commence characterization activities at additional excess facilities.	• Activities will be carried out by the use of carryover funds.

Los Alamos National Laboratory

Overview

Since its inception in 1943 as part of the Manhattan Project, the primary mission of the Los Alamos National Laboratory has been nuclear weapons research and development. In achieving this mission, the Laboratory released hazardous and radioactive materials to the environment through outfalls, stack releases, and material disposal areas. In addition to mixed and low-level radioactive waste needing off-site disposal, transuranic waste has accumulated and been staged in preparation for off-site disposition to the Waste Isolation Pilot Plant.

Since 1989, the Environmental Management program at Los Alamos National Laboratory has been responsible for addressing the characterization and cleanup of environmental media (i.e., soil, groundwater, surface water, and landfills known as Material Disposal Areas); decommissioning and demolition of process-contaminated facilities; and disposition of legacy waste. The Environmental Management Los Alamos Field Office seeks to execute its cleanup mission safely, transparently, and efficiently.

Highlights of the FY 2026 Budget Request

The FY 2026 budget request provides for:

- Continue characterization and certification of transuranic waste and shipment to the Waste Isolation Pilot Plant.
- Continue preparations for the future retrieval and processing of “retrievable” transuranic waste from Pit 9 at Area G, and continues funding for the feasibility study for retrieval of “non-retrievable” transuranic waste from Pit 8 at Area G.
- Storage for transuranic waste at Waste Control Specialists LLC commercial radioactive waste treatment and disposal facility.
- Implementation of the 2016 Compliance Order on Consent between the New Mexico Environment Department and the U.S. Department of Energy, which was modified on September 30, 2024 – with new requirements for Campaigns, Milestones and End Dates, including compliance sampling and reporting at 178 groundwater and surface water locations.
- Continue compliance for discharge of stormwater from 405 sites at 239 Site Monitoring areas under the EPA National Pollutant Discharge Elimination System Individual Permit and for sediment mitigation measures under the Consent Order.
- Initiation of field investigations at Potrillo and Fence Canyons and Lower Pajarito Canyon Aggregate Areas and completion of remediation in Twomile Canyon Aggregate Area, working toward completion of two clean-up campaigns.
- Partial operation of the Hexavalent Chromium Plume Control Interim Measure for continued boundary migration mitigation and installation of monitoring well R-80, a new hexavalent chromium groundwater monitoring well.
- Continue Demolition, Deactivation, and Decommissioning of the National Nuclear Security Administration’s Ion Beam Facility, a high-risk excess facility.
- Continue soil vapor extraction Interim Measure at Material Disposal Area L and soil vapor sampling at Material Disposal Area C.

FY 2025 - FY 2026 Key Milestones/Outlook

- (October 2024) Resumption of partial operations of the Hexavalent Chromium Plume Control Interim Measure.
- (December 2024) Completion of retrieval and size reduction of the Corrugated Metal Pipe transuranic waste from Pit 29 at Area G.
- (August 2025) Completion of pre-demolition characterization and hazard removal in the administrative area of the Ion Beam Facility.

- (September 2025) Resumption of legacy transuranic waste shipments to the Waste Isolation Pilot Plant, including first shipments of Corrugated Metal Pipe Waste.
- (September 2025) Phase III Investigation Report for Chaquehui Canyon Aggregate Area.
- (September 2025) Initiate pre-demolition characterization and hazard removal in the horizontal accelerator portion of the Ion Beam Facility.
- (December 2025) Drilling Work Plan for Regional Aquifer Monitoring Well R-81.
- (April 2026) Complete installation of Regional Aquifer Monitoring Well SIMR-3 and Collection of First Samples (Hexavalent Chromium Groundwater Plume).
- (July 2026) Completion of soil remediation of two polychlorinated biphenyl soil contamination sites.
- (July 2026) Initiate drilling activities for Regional Aquifer Monitoring Well R-80.
- (August 2026) Letter report documenting Chromium Interim Measures Operations and Performance Monitoring results.
- (September 2026) Letter Report documenting work executed in Lower Pajarito Canyon Aggregate Area.
- (September 2026) Letter Report documenting work executed in Potrillo and Fence Canyons Aggregate Area.

Regulatory Framework

The 2016 Compliance Order on Consent between the New Mexico Environment Department and the U.S. Department of Energy (Consent Order), was modified on September 30, 2024, and supersedes the 2005 Consent Order. The Consent Order provides the primary requirements for the environmental cleanup efforts at Los Alamos National Laboratory establishing an enforceable scope, schedule, and milestones for corrective actions. The New Mexico Environment Department initiated a complaint in district court in February 2021 asking for court ordered renegotiation of the Consent Order settlement; discussions were completed resulting in the 2024 revision.

The US Environmental Protection Agency issued National Pollutant Discharge Elimination System Individual Permit (Individual Permit) regulates storm water discharge from a total of 405 solid waste management units and areas of concern (Sites) and designated 239 Site Monitoring Areas as sampling locations for compliance monitoring purposes. A new Individual Permit was issued by Region VI of the US Environmental Protection Agency on August 1, 2022, and provides relief with fewer inspections and a new category for sites with elevated natural background.

Other drivers include the 1995 Federal Facilities Compliance Agreement; Public Law 105-119; 10 Code of Federal Regulations Part 830, Nuclear Safety Management; a hazardous waste facility permit for storage and treatment; the Federal Facility Compliance Order; the Toxic Substances Control Act; the Resource Conservation and Recovery Act; the Clean Air Act; the Settlement Agreement and Stipulated Final Order (chromium) 2007.

Contractual Framework

In December 2017, the Department awarded the Los Alamos Legacy Cleanup Contract to Newport News Nuclear BWXT Los Alamos, LLC. The contract was transitioned on April 30, 2018 with a five-year base period with one three-year option and one two-year option, for a total of 10 years. Newport News Nuclear BWXT Los Alamos, LLC was awarded both options with a period of performance through April 2028.

Strategic Management

The following factors and assumptions could have significant impacts on individual projects and could impact the overall cleanup scope, schedule, and costs identified:

- Strong coordination with the Waste Isolation Pilot Plant and the shared shipping facility RANT (Radioassay & Non-Destructive Testing) will maintain a strong shipping posture.
- In most cases, it is assumed that some form of active treatment for some period to address groundwater contaminants will be accepted as the remedy rather than monitored natural attenuation. Current characterization and testing activities indicated that an active remediation process may be implemented for potentially significant durations for hexavalent chromium contamination. However, the Royal Demolition Explosives contamination area may consist of monitored natural attenuation and perhaps include some active remediation as the final remedy.
- It is assumed that regulators will approve cleanup levels for individual sites that correspond to the intended land use, thereby leaving in place some contaminants that do not pose unacceptable health and environmental risks.

Los Alamos National Laboratory

Funding (\$K)

	FY 2024 Enacted	FY 2025 Enacted	FY 2026 Request	FY 2026 Request vs FY 2025 Enacted \$	FY 2026 Request vs FY 2025 Enacted (%)
Defense Environmental Cleanup					
NNSA Sites					
Los Alamos Excess Facilities D&D					
CBC-LANL-0040 / Los Alamos Excess Facilities D&D	13,648	13,648	1,693	-11,955	-88%
Los Alamos National Laboratory					
VL-FAO-0101 / Miscellaneous Programs and Agreements in Principle	3,394	6,111	5,380	-731	-12%
VL-LANL-0013 / Solid Waste Stabilization and Disposition-LANL Legacy	115,264	127,264	114,552	-12,712	-10%
VL-LANL-0030 / Soil and Water Remediation-LANL	155,173	152,456	158,356	+5,900	+4%
Subtotal, Los Alamos National Laboratory	273,831	285,831	278,288	+4,457	+2%
Total, NNSA Sites	287,479	299,479	279,981	-7,498	-3%
Safeguards and Security					
VL-LANL-0020 / Safeguards and Security	5,000	5,000	956	-4,044	-81%
Total, Los Alamos National Laboratory	292,479	304,479	280,937	-23,542	-8%

**Los Alamos National Laboratory
Explanation of Major Changes (\$K)**

	FY2025 Enacted	FY2026 Request	FY 2026 Request vs FY 2025 Enacted
Defense Environmental Cleanup			
Los Alamos			
EMLA Cleanup Activities			
VL-LANL-0013 / Solid Waste Stabilization and Disposition-LANL Legacy			
• The decrease slows planning for the future waste retrieval at Pit 9 at Area G but continues to support critical activities.	127,264	114,552	-12,712
VL-LANL-0030 / Soil and Water Remediation-LANL			
• Increased funding provides initiation of field investigation at Potrillo and Fence Canyons and Lower Pajarito Canyon Aggregate Areas, completion of remediation of Twomile Canyon Aggregate Area, and updates to the hexavalent chromium plume conceptual site model.	152,456	158,356	+5,900
EMLA Community and Regulatory Support			
VL-FAO-0101 / Miscellaneous Programs and Agreements in Principle			
• No significant change.	6,111	5,380	-731
Los Alamos Excess Facilities D&D			
CBC-LANL-0040 / Los Alamos Excess Facilities D&D			
• This decrease reflects the planned project execution based on the current schedule.	13,648	1,693	-11,955
Safeguards and Security			
VL-LANL-0020 / Safeguards and Security			
• The decrease delays the implementation of cyber initiatives.	5,000	956	-4,044
Total, Los Alamos National Laboratory	304,479	280,937	-23,542

Solid Waste Stabilization and Disposition-LANL Legacy (PBS: VL-LANL-0013)

Overview

This Project Baseline Summary is within the Defense Environmental Cleanup appropriation.

The Solid Waste Stabilization and Disposition Project Baseline Summary, also known as the Legacy Waste Disposition Project Baseline Summary, is comprised of the characterization, treatment, storage, transportation, and ultimate disposition of legacy transuranic and mixed low-level waste generated between 1970 and 1999 at the Los Alamos National Laboratory. The end-state of this project is the safe disposal of legacy waste from Los Alamos National Laboratory.

This Project Baseline Summary scope is integrated with the Soil and Water Remediation Project Baseline Summary (PBS-VL-LANL-0030), which includes compliance activities associated with the 2016 Compliance Order on Consent between the New Mexico Environment Department and the U.S. Department of Energy, which was modified on September 30, 2024.

Solid Waste Stabilization and Disposition-LANL Legacy (PBS: VL-LANL-0013)

Activities and Explanation of Changes

FY2025 Enacted	FY2026 Request	Explanation of Changes - FY 2026 Request vs FY 2025 Enacted
\$127,264,000	\$114,552,000	-\$12,712,000
- Continue Solid Waste Stabilization and activities at Los Alamos National Laboratory. - Continue management and disposition of mixed low-level radioactive waste/low-level radioactive waste and transuranic waste. - Continue Nuclear Safety activities required at Technical Area 54 Area G. - Continue safe operations of transuranic waste processing lines at Technical Area 54 Area G. - Continue activities to certify legacy transuranic waste for shipments to the Waste Isolation Pilot Plant.	- Continue Solid Waste Stabilization and activities at Los Alamos National Laboratory. - Continue management and disposition of mixed low-level radioactive waste/low-level radioactive waste and transuranic waste. - Continue Nuclear Safety activities required at Technical Area 54 Area G. - Continue safe operations of transuranic waste processing lines at Technical Area 54 Area G. - Continue activities to certify legacy transuranic waste for shipments to the Waste Isolation Pilot Plant.	The decrease reduces funding for planning future waste retrieval at Pit 9 at Area G.

-
- | | |
|--|---|
| <ul style="list-style-type: none">• Support transuranic waste characterization activities such as Visual Examination, Real Time Radiography, Non-Destructive Assay, Dose to Curie Conversion, and Flammable Gas Analysis.• Support continued staging of a portion of transuranic waste inventory at an offsite commercial facility, pending possible shipments to the Waste Isolation Pilot Plant.• Begin shipments of retrieved below-grade transuranic waste.• Continue Pit 9 planning operations.• Continue all preparations for treatment and removal of transuranic waste from Waste Control Specialists, LLC commercial radioactive waste treatment and disposal facility. | <ul style="list-style-type: none">• Support transuranic waste characterization activities such as Visual Examination, Real Time Radiography, Non-Destructive Assay, Dose to Curie Conversion, and Flammable Gas Analysis.• Support continued staging of a portion of transuranic waste inventory at an offsite commercial facility, pending possible shipments to the Waste Isolation Pilot Plant.• Begin shipments of retrieved below-grade transuranic waste initially planned for FY 2025 but delayed due to unplanned extended outage of high-energy real time radiography, which is a requirement for waste characterization and certification prior to shipment.• Continue planning for future waste retrieval at Pit 9 Area G.• Continue all preparations for treatment and removal of transuranic waste from Waste Control Specialists, LLC commercial radioactive waste treatment and disposal facility. |
|--|---|

Soil and Water Remediation-LANL (PBS: VL-LANL-0030)

Overview

This Project Baseline Summary is within the Defense Environmental Cleanup appropriation.

The Los Alamos National Laboratory Soil and Water Remediation Project Baseline Summary scope includes identification, investigation and remediation of chemical and/or radiological contamination in soil, surface water, and groundwater attributable to legacy Laboratory operations and practices.

Soil remediation includes characterization, remediation, and closure of the remaining ~860 Solid Waste Management Units (SWMUs) and Areas of Concern (AOCs). The SWMUS and AOCs range from small surface soil contamination sites up to large 63-acre buried landfill sites.

In addition to the investigation and closure of SWMUs and AOCs, a storm water mitigation and management program is being implemented that is compliant with the August 1, 2022 National Pollutant Discharge Elimination System Individual Permit issued by Region VI of the US Environmental Protection Agency. Additionally surface water sediment transport mitigation projects are implemented under the Compliance Order on Consent (Consent Order).

Characterization, monitoring, and protection of groundwater including sampling and monitoring at over 178 locations, and remediation of two contaminated groundwater plumes remains top priority with DOE, the New Mexico regulator, and stakeholders.

Beginning in FY 2018, activities previously included in the Project Baseline Summary for Decontamination and Demolition were integrated into this Project Baseline Summary, consistent with the integrated, campaign approach reflected in the 2016 Compliance Order on Consent between the New Mexico Environment Department and the U.S. Department of Energy, which was modified on September 30, 2024. This integration with the remediation addresses the problem of facility demolition exposing otherwise covered contaminants that would unnecessarily expose public receptors to significant hazardous materials until remediation could be effective. This specific Decontamination and Demolition scope will remain under PBS-0030; however, Decontamination and Demolition of Deactivated National Nuclear Security Administration excess high-risk facilities (Ion Beam Facility) will be covered under PBS-0040.

Soil and Water Remediation-LANL (PBS: VL-LANL-0030)

Activities and Explanation of Changes

FY2025 Enacted	FY2026 Request	Explanation of Changes - FY 2026 Request vs FY 2025 Enacted
\$152,456,000	\$158,356,000	+\$5,900,000
Continue soil and groundwater monitoring and reporting requirements consistent with the Compliance Order on Consent	Implement the 2016 Compliance Order on Consent between the New Mexico Environment Department and the U.S.	Increased funding provides for initiation of field investigation at Potrillo and Fence Canyons and Lower Pajarito Canyon

(Consent Order) signed on June 24, 2016; continued operation and evaluation of sediment transport mitigation measures implemented under the Consent Order to protect surface water drinking water supplies.

- Continue to provide critical database management and infrastructure support to meet Consent Order requirements.
- Conduct authorization basis surface inspections at several Nuclear Environmental Sites and required repairs.
- Continue storm water runoff discharge monitoring, mitigation and reporting requirements at 239 Site Monitoring Areas consistent with the National Pollutant Discharge Elimination System Individual Permit.
- Complete the installation of one and planning for two Regional Aquifer monitoring wells in support of the Hexavalent Chromium Campaign.
- Operate the hexavalent chromium plume control Interim Measure.
- Continue hexavalent chromium plume characterization through modeling and hydrology studies in support of a Corrective Measures Evaluation.
- Continued Decontamination and Demolition of Technical Area 21 Building 21-257 (Radiological Liquid Waste Facility) and industrial waste line.
- Continue negotiations with the New Mexico Environment Department on risk-based decision regarding remedial options.
- Continue Southern External Boundary Consent Order Campaign, investigating and closing 60 Solid Waste Management Units and Areas of Concern.
- Continue operation and reporting of the

Department of Energy (Consent Order), which was modified on September 30, 2024 with Campaigns, Milestones, and End Dates, including compliance sampling and reporting at 178 groundwater and surface water locations.

- Initiate field investigations at Potrillo and Fence Canyons and Lower Pajarito Canyon Aggregate Areas and complete remediation of Twomile Canyon Aggregate Area, working toward completion of two clean-up campaigns.
- Continue storm water runoff discharge monitoring, mitigation and reporting requirements at 239 Site Monitoring Areas consistent with the National Pollutant Discharge Elimination System Individual Permit.
- Complete the installation of one and planning for two Regional Aquifer monitoring wells in support of the Hexavalent Chromium Campaign.
- Partial operations of the hexavalent chromium plume control Interim Measure.
- Continue hexavalent chromium plume characterization through modeling and hydrology studies, including an update to the conceptual site model.
- Continued sediment mitigation measures to protect surface water drinking water supply.
- Continue operation and reporting of the Soil Vapor Extraction at Material Disposal Area L.

Aggregate Areas, completion of remediation of Twomile Canyon Aggregate Area, and updates to the hexavalent chromium plume conceptual site model.

Soil Vapor Extraction at Material Disposal
Area L.

- Initiate investigations under the Upper
Water Watershed Campaign – Cañon de
Valle Aggregate Area, Technical Area 15.
 - Initiate investigations under the Upper
Water Watershed Campaign – S-Site
Aggregate Area.
- Continue investigations under the Pajarito
Watershed Campaign – Lower Pajarito
Canyon Aggregate Area.

Miscellaneous Programs and Agreements in Principle (PBS: VL-FAO-0101)

Overview

This Project Baseline Summary is within the Defense Environmental Cleanup appropriation.

This Project Baseline Summary includes continued community, Tribal, and site wide programs including the Natural Resource Damage Assessment Program at Los Alamos National Laboratory. The pre-assessment screening and the Natural Resource Damage Assessment Plan for the Los Alamos National Laboratory site were completed in FY 2014. The Los Alamos National Laboratory Natural Resource Trustee Council is continuing assessment activities.

Miscellaneous Programs and Agreements in Principle (PBS: VL-FAO-0101)

Activities and Explanation of Changes

FY2025 Enacted	FY2026 Request	Explanation of Changes - FY 2026 Request vs FY 2025 Enacted
\$6,111,000	\$5,380,000	-\$731,000
- Support the New Mexico Agreement in Principle including Regional Coalition activities. - Support the Natural Resource Damage Assessment including preliminary assessment development and Trustee Council activities. - Support the Los Alamos Pueblo Project - Support Community Based Education Model Project for tribal and Native initiatives. - Provide community programming in support of workforce development and capacity building in Northern New Mexico.	- Supports the New Mexico Agreement in Principle. - Supports the Natural Resource Damage Assessment including assessment development and Trustee Council activities. - Continues support and scope of the Los Alamos Pueblo Project at a reduced level. - Support Community Based Education Model Project for tribal and Native initiatives. - Community programming in support of workforce development and capacity building in Northern New Mexico.	The decrease reduces funding for the Los Alamos Pueblo Project and community capacity building.

Excess Facilities D&D (PBS: CBC-LANL-0040)

Overview

This Project Baseline Summary is within the Defense Environmental Cleanup appropriation.

This Project Baseline Summary includes the characterization, Deactivation, Decontamination and Demolition of National Nuclear Security Administration high-risk excess facilities. The Department identified the following facility as among the top ten highest risks to missions, the workforce, the public, and the environment.

- Ion Beam Facility, Building 03-0016

This work will be complete when the building is demolished and its associated slab, underground structures and incidental contaminated soil has been removed.

Los Alamos Excess Facilities D&D (PBS: CBC-LANL-0040)

Activities and Explanation of Changes

FY2025 Enacted	FY2026 Request	Explanation of Changes - FY 2026 Request vs FY 2025 Enacted
\$13,648,000	\$1,693,000	-\$11,955,000
• This increase will enable pre-demolition characterization and hazard removal to be completed in the administrative portion of the facility, and to accelerate these activities in the horizontal accelerator portion of this of National Nuclear Security Administration excess high-risk facilities (Ion Beam Facility).	• Continue Decontamination and Demolition of National Nuclear Security Administration’s Ion Beam Facility, a high-risk excess facility .	• This decrease reflects the planned project execution based on the current schedule.

Safeguards and Security (PBS: VL-LANL-0020)

Overview

This Project Baseline Summary is within the Defense Environmental Cleanup appropriation.

This Project Baseline Summary includes safeguards and security activities to efficiently and effectively protect sensitive information, government property, and the safety and security of employees, contractors, and the public.

Safeguards and Security (PBS: VL-LANL-0020)

Activities and Explanation of Changes

FY2025 Enacted	FY2026 Request	Explanation of Changes - FY 2026 Request vs FY 2025 Enacted
\$5,000,000	\$956,000	-\$4,044,000
Continued to support safeguards and security protocols, specifically cyber security initiatives including: zero trust architecture, FedRAMP compliance, multi-factor authentication, data encryption and incident response.	Continue to support safeguards and security protocols, specifically cyber security initiatives including: zero trust architecture, FedRAMP compliance, multi-factor authentication, data encryption and incident response.	The decrease reduces funding for compliance with new and expected cyber initiatives.

Nevada

Overview

The Environmental Management Nevada Program works as a tenant organization on the National Nuclear Security Administration managed Nevada National Security Site and performs two distinct missions:

Environmental Restoration – safe cleanup of environmental legacy contamination resulting from historical nuclear testing on the Nevada National Security Site and the Nevada Test and Training Range. This work is conducted in accordance with the Federal Facility Agreement and Consent Order, a legally binding agreement between the Department of Energy and the State of Nevada.

Low-Level/Mixed Low-Level Waste Acceptance/Disposal – operation of the Nevada National Security Site low-level and mixed low-level radioactive waste disposal facilities in accordance with the Nevada National Security Site Waste Acceptance Criteria, Nevada permits, and federal requirements. Nevada National Security Site waste disposal supports Environmental Management by providing a complex-wide outlet for waste generated by the national cleanup program. Nevada National Security Site waste disposal also supports the National Nuclear Security Administration, Science, Naval Reactors, and Department of Defense missions, many of which would have no outlet for higher activity or classified waste.

Highlights of the FY 2026 Budget Request

The FY 2026 budget supports Environmental Management Nevada's continued progress in risk-informed closures of 82 remaining contaminated groundwater and 8 remaining contaminated industrial-type sites; post-closure monitoring/maintenance; operation of the Radioactive Waste Management Complex; and regulatory support to include State of Nevada regulatory oversight, Nevada National Security Site environmental and natural resource planning, and payment of the low-level waste fee agreement. Addressing end-state closures for groundwater through the Underground Test Area activity and contamination of historic nuclear Industrial Site facilities remains a priority in FY 2026 with model evaluation of the remaining contaminated groundwater sites and initiation of Engine Maintenance, Assembly, and Disassembly facility demolition.

FY 2025 - 2026 Key Milestones/Outlook

PBS VL-NV-0030 – The following enforceable milestones are submitted/provided to the State of Nevada:

- (December 2024) Provided Corrective Action Unit 101 Central Pahute Mesa Well Installation Presentation #4
- (December/2024) Provided Corrective Action Unit 102 Western Pahute Mesa Well Installation Presentation #4
- (June 2025) Submit Draft Calendar Year 2024 Annual Letter Report for all Closed Groundwater Corrective Action Units
- (June 2025) Submit Final Calendar Year 2024 Non- Resource Conservation and Recovery Act Post-Closure Report
- (August 2025) Submit Corrective Action Unit 101 Central Pahute Mesa Calendar Year 2024 Annual Groundwater Sampling Letter Report
- (August 2025) Submit Corrective Action Unit 102 Western Pahute Mesa Calendar Year 2024 Annual Groundwater Sampling Letter Report
- (September 2025) Provide Corrective Action Unit 101 Central Pahute Mesa Model Evaluation Data Presentation #1
- (September 2025) Provide Corrective Action Unit 102 Western Pahute Mesa Model Evaluation Data Presentation #1
- (March 2026) Submit Corrective Action Unit 572 Test Cell C Ancillary Building and Structures Closure Report
- (June 2026) Submit Draft Calendar Year 2025 Annual Letter Report for all Closed Groundwater Corrective Action Units

- (June 2026) Submit Final Calendar Year 2025 Non- Resource Conservation and Recovery Act Post-Closure Report
- (June 2026) Submit Corrective Action Unit 98 Frenchman Flat Calendar Year 2026 6-Year Post-Closure Monitoring Report
- (August 2026) Submit Corrective Action Unit 101 Central Pahute Mesa Calendar Year 2025 Annual Groundwater Sampling Letter Report
- (August 2026) Submit Corrective Action Unit 102 Western Pahute Mesa Calendar Year 2025 Annual Groundwater Sampling Letter Report
- (September 2026) Provide Corrective Action Unit 101 Central Pahute Mesa Model Evaluation Data Presentation #2
- (September 2026) Provide Corrective Action Unit 102 Western Pahute Mesa Model Evaluation Data Presentation #2
- (September 2026) Submit Corrective Action Unit 97 Yucca Flat/Climax Mine Calendar Year 2026 6-Year Post-Closure Monitoring Report

PBS VL-NV-0080:

- (September 2025) Continue low-level/mixed low-level radioactive waste disposal; and continue audits/certifications; and maintenance of facilities and documents.
- (September 2026) Continue low-level/mixed low-level radioactive waste disposal; and continue audits/certification; and maintenance of facilities and documents.

PBS VL-NV-0100:

- (September 2025) Continue funding to the State of Nevada.
- (September 2026) Continue funding to the State of Nevada.

Regulatory Framework

Environmental Management Nevada's work on the Nevada National Security Site and the Nevada Test and Training Range complies with applicable federal and state level regulations including, but not limited to:

- Federal Facility Agreement and Consent Order
- Resource Conservation and Recovery Act
- Safe Drinking Water Act
- Agreements in Principle
- Department of Energy Order 435.1, Radioactive Waste Management
- Department of Energy Order 458.1 Change 3 (Admin Change), Radiation Protection of the Public and the Environment

Contractual Framework

The Environmental Management Nevada mission is performed by both large and small businesses. As a tenant organization on the Nevada National Security Site, Environmental Management Nevada utilizes the National Nuclear Security Administration Nevada National Security Site Mission Support and Test Services, LLC contractor for Environmental Management-funded operation of the waste disposal facilities and environmental cleanup infrastructure support. The Nevada National Security Site Mission Support and Test Services contract has a base period of performance from 2017 - 2027.

Navarro Research and Engineering, Inc. was awarded the Environmental Management Nevada Environmental Program Services contract in June 2020. The 10-year Indefinite Delivery/Indefinite Quantity contract was awarded using Environmental Management's End State Contracting Model for accelerated mission completion. To date, Environmental Management Nevada has issued multiple Indefinite Delivery/Indefinite Quantity task orders with scope, including but not limited to, contract transition, base operations, management of the Nevada National Security Site radioactive waste acceptance program, hazard abatement, drilling, and demolition.

Strategic Management

The Environmental Management Nevada Program enables the Department of Energy to meet the challenges of the nation's Manhattan Project and Cold War legacy responsibilities by:

- Planning and conducting risk-informed, cost-effective environmental restoration activities for cleanup of legacy contamination in fulfillment of legal and regulatory commitments.

Providing safe, compliant, and cost-effective low-level/mixed low-level and classified waste disposal in support of Department of Energy complex-wide cleanup, national security and reduction of the Nevada National Security Site contaminated site footprint.

The following Environmental Management Nevada activities support the Department's enhancement of nuclear security through environmental efforts:

- Nevada National Security Site and Nevada Test and Training Range remediation addresses surface and shallow subsurface radiological soil contamination at former underground test locations. Industrial site activities include decontamination and decommissioning of facilities, legacy systems, structures, sites (e.g., septic systems, landfills, mud pits, storage tanks), and remediation of conventional weapons sites that include unexploded ordnance. Groundwater activities involve geologic/hydrologic characterization, contaminated groundwater transport modeling, contaminant boundary definition, and establishment of monitoring systems to preclude the inadvertent use of contaminated groundwater.

Waste management activities support the nation's national security mission and completion of cleanup at Department of Energy sites across the United States including the Nevada National Security Site, by maintaining the capability to safely and securely dispose of ~800 thousand cubic feet of low-level/mixed low-level and classified waste annually.

Nevada

Funding (\$K)

	FY 2024 Enacted	FY 2025 Enacted	FY 2026 Request	FY 2026 Request vs FY 2025 Enacted \$	FY 2026 Request vs FY 2025 Enacted (%)
Defense Environmental Cleanup					
NNSA Sites					
Nevada					
VL-NV-0030 / Soil and Water Remediation-Nevada	47,952	37,977	39,480	+1,503	+4%
VL-NV-0080 / Operate Waste Disposal Facility-Nevada	20,223	20,223	22,355	+2,132	+11%
VL-NV-0100 / Nevada Community and Regulatory Support	5,177	5,177	3,000	-2,177	-42%
Subtotal, Nevada	73,352	63,377	64,835	+1,458	+2%

Nevada
Explanation of Major Changes (\$K)

	FY 2025 Enacted	FY 2026 Request	FY 2026 Request vs FY 2025 Enacted
Defense Environmental Cleanup			
NNSA Sites			
Nevada			
VL-NV-0030 / Soil and Water Remediation-Nevada			
• Budget increase is primarily associated with increased demolition effort of building 3900 Ancillary Plant Facilities and Areas "Cold Bay".	37,977	39,480	+1,503
VL-NV-0080 / Operate Waste Disposal Facility-Nevada			
• Budget increase is associated with base operations escalation and planned cell closures and cell additions (construction) above FY 2026 base operations.	20,223	22,355	+2,132
VL-NV-0100 / Nevada Community and Regulatory Support			
• Budget decrease in FY 2026 will levelize funding for regulatory oversight and waste fee agreement through use of FY 2025 uncosted balances.	5,177	3,000	-2,177
Total, Nevada	63,377	64,835	+1,458

Soil and Water Remediation-Nevada (PBS: VL-NV-0030)

Overview

This Project Baseline Summary is within the Defense Environmental Cleanup appropriation

Provides for risk-informed remediation of contaminated support facilities and soils, and groundwater modeling on the Nevada National Security Site, in addition to contaminated surface/subsurface industrial and soil sites on the United States Air Forces' Nevada Test and Training Range. The contamination is the result of atmospheric and underground nuclear tests and represents complex challenges due to the number/size/location of sites, and the nature/extent of contamination. Nevada National Security Site and Nevada Test and Training Range surface contamination include 1,332 contaminated soil and industrial-type sites, while subsurface scope includes 879 groundwater contaminated sites on the Nevada National Security Site. Industrial sites are comprised of support facilities/structures remaining after the conduct of aboveground and underground nuclear tests, surface nuclear engine/reactor experiments, and employment of weapons delivery systems. This Project Baseline Summary includes Tribal and community stakeholder engagement to foster awareness and support of remediation strategies in fulfillment of Environmental Management's commitment to maintain robust public outreach and in compliance with statutes, regulations, executive orders, and federal policies. The Nevada Site Specific Advisory Board is chartered by the Department of Energy as an Environmental Management Site-Specific Advisory Board. As of FY 2025 2,121 (96%) contaminated soil, industrial-type and groundwater sites are closed and remediation of the ~90 remaining sites continue to progress.

Soil and Water Remediation-Nevada (PBS: VL-NV-0030)

Activities and Explanation of Changes

FY 2025 Enacted	FY 2026 Request	Explanation of Changes - FY 2026 Request vs FY 2025 Enacted
\$37,977,000	\$39,480,000	+\$1,503,000
Groundwater Remediation: Corrective Action Units 101/102 Central and Western Pahute Mesa: - Continue annual groundwater data collection and sampling. - Install three monitoring wells - Continue model evaluation. Industrial Sites: Corrective Action Unit 114 Engine Maintenance Assembly & Disassembly Facility: - Complete Bldg. 3901 and misc. structures demolition.	Groundwater Remediation: Corrective Action Units 101/102 Central and Western Pahute Mesa: - Continue annual groundwater data collection and sampling. - Complete well development, testing and sampling of three monitoring wells. - Continue model evaluation. Industrial Sites: CAU 114 Engine Maintenance Assembly & Disassembly Facility:	Budget increase is primarily associated with increased demolition effort of building 3900 Ancillary Plant Facilities and Areas "Cold Bay".

-
- Initiate Bldg.3900 Ancillary Plant Facilities and Areas, "Cold Bay" demolition.

CAU 572 Test Cell C Ancillary Buildings and Structures

- Complete dewars and balance of plant structures demolition.

Post-Closure Long-term Monitoring:

- Continue annual post-closure monitoring of closed Nevada National Security Site groundwater, soil, and industrial-type sites.

- Continue Bldg. 3900 Ancillary Plant Facilities and Areas, "Cold Bay" demolition.

CAU 572 Test Cell C Ancillary Buildings and Structures

- Submit and receive State of Nevada Approval of Closure Report (5 Corrective Action Sites).

Post-Closure Long-term Monitoring:

- Continue annual post-closure monitoring of closed Nevada National Security Site groundwater, soil, and industrial-type sites.
- Complete groundwater sampling of wells for closed groundwater sites (occurs every 6 years).

Operate Waste Disposal Facility-Nevada (PBS: VL-NV-0080)

Overview

This Project Baseline Summary is within the Defense Environmental Cleanup appropriation

Provides low-level/mixed low-level radioactive waste and classified waste disposal capability through FY 2035 for Department of Energy sites requiring offsite disposal and for instances in which commercial disposal is not available or not in the best interest of the government. Requested funding represents Environmental Management's allocated share of disposal costs, as apportioned annually, based upon all Department of Energy programs total waste volumes disposed of at the Nevada National Security Site. The Site maintains the capability to dispose of low-level/mixed low-level radioactive waste (as allowed under State of Nevada permits) and classified waste from approved generators. Preservation of Nevada National Security Site waste disposal capability is vital to Department of Energy and national security missions as some waste streams cannot be disposed of at the site of generation and/or at commercial facilities.

Operate Waste Disposal Facility-Nevada (PBS: VL-NV-0080)

Activities and Explanation of Changes

FY 2025 Enacted	FY 2026 Request	Explanation of Changes - FY 2026 Request vs FY 2025 Enacted
\$20,223,000	\$22,355,000	+\$2,132,000
- Continue development and maintenance of plans, permits, and safety basis in support of technical and regulatory requirements. - Continue audits/waste certifications of waste generators for compliance with the Nevada National Security Site Waste Acceptance Criteria. - Continue operation of Resource Conservation and Recovery Act -permitted disposal cell - Support Department of Energy complex cleanup with annual disposal capability for ~ 800,000 cubic feet (34,653 cubic meters) of Low-Level/Mixed Low-Level/Classified waste annually.	- Continue development and maintenance of plans, permits, and safety basis in support of technical and regulatory requirements. - Continue audits/waste certifications of waste generators for compliance with the Nevada National Security Site Waste Acceptance Criteria. - Continue operation of Resource Conservation and Recovery Act -permitted disposal cell. - Support Department of Energy complex cleanup with annual disposal capability for ~ 800,000 cubic feet (34,653 cubic meters) of Low-Level/Mixed Low-Level/Classified waste annually.	Budget increase is associated with base operations escalation and planned cell closures and cell additions (construction) above FY 2026 base operations.

-
- Complete Cell #22 conversion to a limited area to support disposal of classified waste.
 - Complete Cells #8 and #16 closures
 - Continue experimental sphere disposition.
 - Initiate new Mixed Low-Level Waste Cell #31 pre-construction planning.
 - Initiate new Low-Level Waste Cell #32 construction.
 - Initiate Cells #27 and #28 closure.
 - Continue experimental sphere disposition.

Nevada Community and Regulatory Support (PBS: VL-NV-0100)

Overview

This Project Baseline Summary is within the Defense Environmental Cleanup appropriation

Provides for an Agreement-in-Principle with the Nevada Division of Emergency Management and the Nevada Division of Environmental Protection. Also funds the Federal Facility Agreement and Consent Order annual fee, and a State of Nevada grant for programmatic oversight and Nevada National Security Site environmental and natural resource planning.

Nevada Community and Regulatory Support (PBS: VL-NV-0100)

Activities and Explanation of Changes

FY 2025 Enacted	FY 2026 Request	Explanation of Changes - FY 2026 Request vs FY 2025 Enacted
\$5,177,000	\$3,000,000	-\$2,177,000
- State of Nevada regulatory oversight of Environmental Management Nevada Program work at the Nevada National Security Site. - State of Nevada grant for programmatic oversight and Nevada National Security Site environmental and natural resource planning. - Low-level radioactive waste fee agreement with State of Nevada.	- State of Nevada regulatory oversight of Environmental Management Nevada Program work at the Nevada National Security Site. - State of Nevada grant for programmatic oversight and Nevada National Security Site environmental and natural resource planning. - Low-level radioactive waste fee agreement with State of Nevada.	Budget decrease in FY 2026 will levelize funding for regulatory oversight and waste fee agreement through use of FY 2025 uncosted balances.

Sandia National Laboratories

Overview

Sandia National Laboratories is a multi-mission laboratory managed and operated by National Technology & Engineering Solutions of Sandia, LLC, a wholly owned subsidiary of Honeywell International Inc., for the U.S. Department of Energy's National Nuclear Security Administration. The Sandia National Laboratories-New Mexico site (Sandia-New Mexico) is adjacent to Albuquerque, New Mexico, on Kirtland Air Force Base. The Sandia-New Mexico Environmental Restoration Operations Project scope includes the remediation of inactive waste disposal and release sites. These sites have known releases of hazardous, radioactive, and mixed waste.

Sandia-New Mexico works closely with the New Mexico Environment Department (NMED) to complete Resource Conservation and Recovery Act corrective actions at the last three Environmental Restoration sites using cost effective approaches that meet regulatory requirements. The remaining cleanup scope consists of three areas with contaminated groundwater in various stages of corrective action that require final remedies. All Environmental Restoration activities are regulated by the 2004 Compliance Order on Consent signed by DOE, the Sandia Corporation, and the New Mexico Environment Department.

Highlights of the FY 2026 Budget Request

In FY 2026, Resource Conservation and Recovery Act corrective action activities will continue at the three locations with contaminated groundwater: the Burn Site Groundwater Area of Concern, the Technical Area-V Groundwater Area of Concern, and the Tijeras Arroyo Groundwater Area of Concern. At the Technical Area-V Groundwater Area of Concern, FY 2026 funding will support the submittal of the Corrective Measures Implementation Plan and continuation of operations. At the Burn Site Groundwater Area of Concern, FY 2026 funding will support continuation of operations at the Area of Concern while the New Mexico Environment Department reviews the Corrective Measures Implementation Plan.

FY 2025 - 2026 Key Milestones/Outlook

- (December 2024) Submitted the Corrective Measures Implementation Plan for Burn Site Groundwater Area of Concern to the New Mexico Environment Department.
- (January 2025) Completed transition of the Tijeras Arroyo Groundwater Area of Concern to the Long-Term Stewardship Program.
- (September 2025) The New Mexico Environment Department will complete their review of the Current Conceptual Model/Corrective Measures Evaluation Report for Technical Area-V Groundwater Area of Concern.
- (December 2025) The New Mexico Environment Department will complete their review of the Corrective Measures Implementation Plan for Burn Site Groundwater Area of Concern.
- (February 2026) Submit the Corrective Measures Implementation Plan for Technical Area-V Groundwater Area of Concern to the New Mexico Environment Department.
- (March 2026) Submit the Corrective Measures Implementation Plan with modifications for Burn Site Groundwater Area of Concern to the New Mexico Environment Department.

Regulatory Framework

The regulatory driver for completing this work is the Compliance Order on Consent signed in 2004 by DOE, the Sandia Corporation, and the New Mexico Environment Department. To date, 308 of 314 sites have been approved by the New Mexico Environment Department as being "corrective action complete," including the Mixed Waste Landfill. Three of the remaining six sites are considered "deferred active mission" sites and bring a future cleanup liability.

The remaining three areas of groundwater contamination are being characterized to determine the remedial action to implement and are in various stages of the Resource Conservation and Recovery Act corrective action

process. Each of the three areas of groundwater contamination (Burn Site, Tijeras Arroyo, and Technical Area-V) have unique hydro-geologic complexity, and all three have contamination levels that are above the maximum contaminant level drinking water standards. There are no near-term risks to public health. Delivery of final Corrective Measure Evaluation reports for each of the three areas to the New Mexico Environment Department are considered enforceable agreement milestones.

Contractual Framework

EM work at Sandia-New Mexico is performed under Work Authorizations against the National Nuclear Security Administration's Management and Operating contract with National Technology & Engineering Solutions of Sandia.

Strategic Management

Sandia-New Mexico's Environmental Restoration Operations mission is to complete all necessary corrective actions at the three groundwater areas of concern. Three additional soil release sites are considered "deferred active-mission" sites.

The status and closure goals are:

- (1) Burn Site Groundwater Area of Concern - four monitoring wells were installed at the Burn Site Groundwater Area of Concern at the end of FY 2019 and the beginning of FY 2020 to meet an enforceable agreement milestone. Based on quarterly sampling at the monitoring wells, the results concluded that additional wells were not required and the process of preparing the updated Conceptual Model Report, and a Corrective Measures Evaluation Report was begun early FY 2022. The Conceptual Model Report and a Corrective Measures Evaluation Report were submitted in FY 2023. FY 2024 effort includes preparing and participating in a final hearing, resulting from the New Mexico Environment Department's planned acceptance of Current Conceptual Model/Corrective Measures Evaluation report. FY 2025 effort relates to the New Mexico Environment Department reviewing the submitted Corrective Measures Implementation Plan.
- (2) Tijeras Arroyo Groundwater Area of Concern -The New Mexico Environment Department has reviewed the revised and updated Current Conceptual Model and Corrective Measures Report and has endorsed the project's recommendation of natural monitored attenuation remedial alternative. In FY 2023, the Corrective Measures Implementation Report was submitted to the New Mexico Environmental Department and is currently under review. In FY 2024, the New Mexico Environment Department will continue their review of the Corrective Measures Implementation Plan Report. In FY 2025, the Tijeras Arroyo Groundwater Area of Concern will transition to the Long-Term Stewardship Program.
- (3) Technical Area-V Groundwater Area of Concern, Phase 1 injection was completed in FY 2019 as a part of the phased Interim Measure/Treatability Study and the Treatability Study was concluded in May 2021 based on conversations between DOE Sandia Field Office, New Mexico Environment Department, and Sandia National Laboratories; staff began the process of updating the Current Conceptual Model and Corrective Measures Report and will continue throughout FY 2023 and FY 2024. The New Mexico Environment Department will review the submitted Current Conceptual Model Report and a Corrective Measures Evaluation Report during FY 2025.

Sandia Site Office

Funding (\$K)

Defense Environmental Cleanup

NNSA Sites

Sandia National Laboratories

VL-SN-0030 / Soil and Water
Remediation-Sandia

FY 2024 Enacted	FY 2025 Enacted	FY 2026 Request	FY 2026 Request vs FY 2025 Enacted \$	FY 2026 Request vs FY 2025 Enacted (%)
2,264	2,264	1,030	-1,234	-55%

Sandia Site Office
Explanation of Major Changes (\$K)

	FY 2025 Enacted	FY 2026 Request	FY 2026 Request vs FY 2025 Enacted
Defense Environmental Cleanup			
NNSA Sites			
Sandia National Laboratories			
VL-SN-0030 / Soil and Water Remediation-Sandia			
• Decrease reflects the ongoing regulatory transition of the Groundwater Areas of Concern from EM to the Long-Term Stewardship Program per regulatory requirements. The decrease is also reflective of an effort to reduce our total carryover.	2,264	1,030	-1,234
Total, Sandia Site Office	2,264	1,030	-1,234

Soil and Water Remediation-Sandia (PBS: VL-SN-0030)

Overview

This PBS is within the Defense Environmental Cleanup appropriation.

The Sandia-New Mexico Environmental Restoration Operations mission is to pursue completion of all necessary corrective actions at the three groundwater areas of concern. The three groundwater areas (Burn Site, Tijeras Arroyo, and Technical Area-V) are expected to transition to long-term stewardship following completion of characterization/evaluation, remedy selection via public hearing, and implementation of the determined remedy.

Soil and Water Remediation-Sandia (PBS: VL-SN-0030)

Activities and Explanation of Changes

FY 2025 Enacted	FY 2026 Request	Explanation of Changes - FY 2026 Request vs FY 2025 Enacted
\$2,264,000	\$1,030,000	-\$1,234,000
• Submit Current Conceptual Model/Corrective Measures Evaluation Report for Technical Area-V Groundwater Area of Concern. • Continue updating Current Conceptual Model/Corrective Measures Evaluation Report for Burn Site Groundwater Area of Concern and then submit to the New Mexico Environment Department for review. • Support a public hearing associated with the selection of the final remedy for the Tijeras Arroyo Groundwater Area of Concern.	• The New Mexico Environment Department will complete their review of the Corrective Measures Implementation Plan for Burn Site Groundwater Area of Concern. • Submit the Corrective Measures Implementation Plan with modifications for Burn Site Groundwater Area of Concern to the New Mexico Environment Department. • Submit the Corrective Measures Implementation Plan for Technical Area-V Groundwater Area of Concern to the New Mexico Environment Department.	• Decrease reflects the ongoing regulatory transition of the Groundwater Areas of Concern from EM to the Long-Term Stewardship Program per regulatory requirements. The decrease is also reflective of an effort to reduce our total carryover.

Separations Process Research Unit (SPRU)

Overview

The Separations Process Research Unit (SPRU) site supported cleanup of radioactive and chemical waste resulting from Manhattan Project and Cold War activities and currently supports safely storing defense origin transuranic waste, pending processing and disposal. Waste that is determined not to be transuranic after treatment will be disposed as low-level and mixed low-level waste. The remaining transuranic waste will be disposed at the Waste Isolation Pilot Plant (WIPP) in Carlsbad, New Mexico.

SPRU was a former pilot plant used from 1950 to 1953 to research and develop chemical processes to separate plutonium from other radioactive material and was located at the Knolls Atomic Power Laboratory, Niskayuna, New York. During operations, it contaminated nuclear facilities and approximately 30 acres of land where waste containers were managed. Groundwater immediately adjacent to the nuclear facilities and in an area where containers were once stored was contaminated with radioactivity. The scope of the SPRU project was to decontaminate and remove the nuclear facilities (including the sub-grade building foundations and tank vaults), remediate the land areas, ship the resulting waste to the appropriate off-site disposal facilities, and transfer the areas back to the Office of Naval Reactors.

The decommissioning contractor, AECOM (formerly URS Energy and Construction, Inc.), was awarded the demolition contract in December 2007 and completed all site physical work in July 2019. Closeout reports were completed in FY 2020, and the land areas were transferred to Naval Reactors in December 2020. State acceptance of the final project Resource Conservation and Recovery Act remediation report was received in September 2022.

The remaining scope of work at the Separations Process Research Unit site consists of addressing the remaining stored transuranic waste, contract claims resolution, and project closeout.

Highlights of the FY 2026 Budget Request

The FY 2026 budget request continues work associated with closing out the demolition contract claims, continuing work to safely store the SPRU transuranic waste and to support contracting approaches to treat, transport, and dispose of stored waste.

FY 2025 - FY 2026 Key Milestones/Outlook

- (September 2025) Award a task with APTIM for operation of the SPRU waste storage area and for shipping the SPRU waste to the Transuranic Waste Processing Facility.
- (September 2025) Oak Ridge Environmental Management award contract with UCOR to receive and process SPRU waste.
- (September 2026) Complete facility modifications to enable overpacking, loading and shipping of SPRU waste containers.

Regulatory Framework

The SPRU project generated 24 waste containers that are potential transuranic waste -- 22 of the containers are Resource Conservation and Recovery Act mixed hazardous waste regulated by the New York State Department of Environmental Conservation (NYSDEC). In September 2024, NYSDEC issued a RCRA storage permit to DOE for storage of the SPRU mixed waste and terminated an Order on Consent previously in place for storage of the mixed waste.

Contractual Framework

A contract to operate and perform inspections of the transuranic waste storage area was awarded to North Wind Solutions, LLC. DOE plans to transition this role to the APTIM DD&R contract in late 2025. Staff support contractors also assist with contract claims work from SPRU projects.

Strategic Management

The strategy for the site includes disposition of the stored SPRU waste and continuing support until all EM post-closure administrative activities are completed and the former waste storage area is transferred to the Naval Reactors Program.

Challenges to the overall achievement of the Separations Process Research Unit site's strategic goals are:

- Currently, transuranic waste (and suspect transuranic waste) is temporarily stored at the Separations Process Research Unit site in outdoor conex boxes. Waste that is determined not to be transuranic after treatment will be disposed as low-level and mixed low-level waste. The remaining transuranic waste will be disposed at the DOE Waste Isolation Pilot Plant (WIPP). Shipping, processing and certifying transuranic waste is difficult.
- DOE plans to award a task to UCOR at the Transuranic Waste Processing Center (TWPC) to manage all legacy SPRU waste containers. DOE is in discussions with the Tennessee Department of Environmental Conservation (TDEC) to address any concerns and plans to award the task to UCOR in 2025.

Separations Process Research Unit

Funding (\$K)

	FY 2024 Enacted	FY 2025 Enacted	FY 2026 Request	FY 2026 Request vs FY 2025 Enacted \$	FY 2026 Request vs FY 2025 Enacted (%)
Defense Environmental Cleanup					
NNSA Sites					
Separations Processing Research Unit					
VL-SPRU-0040 / Nuclear Facility					
D&D-Separations Process Research Unit	15,300	1,300	950	-350	-27%

Separations Process Research Unit
Explanation of Major Changes (\$K)

FY 2025 Enacted	FY 2026 Request	FY 2026 Request vs FY 2025 Enacted
----------------------------	----------------------------	---

Defense Environmental Cleanup

NNSA Sites

Separations Processing Research Unit

VL-SPRU-0040 / Nuclear Facility D&D-Separations Process Research Unit

- Decrease will continue to support the disposition of the suspect Transuranic and Transuranic waste.

	1,300	950	-350
Total, Separations Process Research Unit	1,300	950	-350

Nuclear Facility D&D-Separations Process Research Unit (PBS: VL-SPRU-0040)

Overview

This PBS is within the Defense Environmental Cleanup appropriation.

The project objectives are to remove the inactive nuclear facilities and disposition the chemical and radioactive contamination in land areas and return the land and facilities to the Knolls Atomic Power Laboratory for continued mission use by the Naval Reactors Program.

The contractor physically completed demolition of building and restored the land in FY 2019. Resolution of Contract Claims, and contract closeout continues.

Nuclear Facility D&D-Separations Process Research Unit (PBS: VL-SPRU-0040)

Activities and Explanation of Changes

FY 2025 Enacted	FY 2026 Request	Explanation of Changes - FY 2026 Request vs FY 2025 Enacted
\$1,300,000	\$950,000	-\$350,000
- Perform surveillance and maintenance activities to support storage for transuranic waste. - Support treatment of a portion of the transuranic waste for low-level and mixed low-level waste disposal based on selected Processing Plan.	- Perform surveillance and maintenance activities to support storage for transuranic waste. - Support treatment of a portion of the transuranic waste for low-level and mixed low-level waste disposal based on selected Processing Plan.	Decrease will continue to support the disposition of the suspect Transuranic and Transuranic waste.

West Valley Demonstration Project

Overview

Cleanup of the West Valley Demonstration Project will support the Department of Energy to meet the challenges of the nation's Manhattan Project and Cold War legacy responsibilities. The West Valley Demonstration Project is responsible for stabilizing and dispositioning low-level radioactive waste and transuranic waste and decontaminating and decommissioning of excess facilities, tanks, and equipment.

The West Valley Demonstration Project is conducted at the site of the only commercial nuclear fuel reprocessing facility to have operated in the United States. The Department's principal mission at the site is to satisfy the mandates established by the West Valley Demonstration Project Act of 1980 (Public Law 96-368):

- Solidify the high-level radioactive waste in a form suitable for transportation and disposal.
- Develop containers suitable for permanent disposal of the solidified high-level radioactive waste.
- Transport, in accordance with applicable law, high-level radioactive waste canisters to an appropriate Federal repository for permanent disposal.
- Dispose of low-level radioactive waste and transuranic waste produced by high-level radioactive waste solidification activities; and
- Decontaminate and decommission tanks and facilities used for solidification of high-level radioactive waste, as well as any material and hardware used in connection with the Project, in accordance with Nuclear Regulatory Commission requirements.
- The West Valley Field Office plans to purchase two Kubota Rough Terrain Vehicles, 2 CAMSO Utility Terrain Vehicles, and 2 Metlife Transport in FY 2026

Highlights of the FY 2026 Budget Request

The major activities planned for the West Valley Demonstration Project for FY 2026 focus on setting conditions to begin the below grade demolition of the Main Plant Processing Building (MPPB). Setting conditions includes re-routing of the fire loop, dismantling of the site water storage tank, installation of water barriers around the below grade portion of the Main Plant Processing Building and demolition Fuel Receiving and Storage Area (FRS). In addition, the site will be continuing site operations and maintenance, and disposition of newly generated and legacy waste. The West Valley Demonstration Project will continue the preparation of the Supplemental Environmental Impact Statement for Phase 2 Decommissioning of the West Valley Demonstration Project.

FY 2025 - 2026 Key Milestones/Outlook

- (June 2025) Complete Demolition and Shipment of Main Plant Process Building Debris Demolition and complete the Phase 1A Facility Disposition Contract.
- (June 2025) Award Task Order 2 (Implementation) of Phase 1B Contract.
- (January 2026) Award Task Order 3 (Site Operations and Maintenance) of the Phase 1B Contract.
- (January 2026) Complete the Lake 1 Dam Spillway repairs.
- (January 2026) Award Task Order 4 (Waste Management Area 1 Demolition) of the Phase 1B Contract.
- (February 2026) Issue *Draft Supplemental Environmental Impact Statement for the Decommissioning and/or Long-Term Stewardship of the West Valley Demonstration Project and the Western New York Nuclear Service Center*.
- (September 2026) Complete demolition and waste disposal of the Fuel Receiving and Storage Facility (FRS).
- (September 2026) Award Site Technical Assistance Contract.
- (September 2026) Complete installation of the re-routed site fire protection system.
- (September 2026) Initiate demolition of the below grade portion of the Main Plant Process Building.

Regulatory Framework

Cleanup and environmental remediation activities at the West Valley Demonstration Project are governed by the following statutes, regulations, and agreements:

- The West Valley Demonstration Project Act (Public Law 96-368) requires the Secretary of Energy to carry out a high-level radioactive waste management project at the Western New York Nuclear Services Center.

- Cooperative Agreement between DOE and New York State Energy Research and Development Authority (1980, amended 1981) provides for the implementation of the West Valley Demonstration Project Act of 1980. It allows DOE use and control of the 165-acre West Valley Demonstration Project premises and facilities for the purposes and duration of the Project.
- A Memorandum of Understanding between DOE and Nuclear Regulatory Commission (1981) identifies roles, responsibilities, terms and conditions regarding the Nuclear Regulatory Commission review and consultation during the Project.
- Stipulation of Compromise Settlement agreement (1987) represents the legal compromise reached between the Coalition on West Valley Nuclear Waste and Radioactive Waste Campaign and DOE regarding development of a comprehensive Environmental Impact Statement for the Project and for on-site and off-site disposal of low-level radioactive waste.
- Resource Conservation and Recovery Act 3008(h) Administrative Order on Consent (1992) between the United States Environmental Protection Agency, the New York State Department of Environmental Conservation, DOE and New York State Energy Research and Development Authority regarding Resource Conservation and Recovery Act.
- Cooperative Agreement between the Seneca Nation of Indians and the West Valley Demonstration Project (1996) establishes a framework for inter-governmental relationships between the Seneca Nation of Indians and the Department with respect to project activities.
- The Final Environmental Impact Statement for Decommissioning and/or Long-Term Stewardship and the associated Record of Decision issued in April 2010. The Record of Decision was "Phased Decision-making" in which the decommissioning will be completed in two phases.

Contractual Framework

Program planning and management at the West Valley Demonstration Project is conducted through the issuance and execution of contracts to large and small businesses. The major contracts at the West Valley Demonstration Project include:

- Phase 1 Decommissioning – Facility Disposition (Phase 1A) contract, which was awarded to CH2M Hill BWXT West Valley, LCC, has a contract period of performance from August 29, 2011, through an estimated completion date of June 23, 2025. There are no options on this cost-plus-award-fee contract.
- Phase 1B Decommissioning - Consistent with the EM End State Contracting Model (ESCM), the West Valley Demonstration Project Phase1B RFP reflects an Indefinite-Delivery Indefinite-Quantity (IDIQ) contract under which Cost Reimbursement (CR) and/or Fixed Price (FP) task orders may be issued. The contract ordering period will be 10 years, including a 120-day transition period. The contract is estimated to be worth up to approximately \$3.0 billion over the ten-year ordering period which includes the issuance of task orders that shall not exceed five years beyond the end of the contract ordering period.
- Probabilistic Performance Assessment contract was awarded in June 2022 to a small business for a time and materials contract to perform a probabilistic analysis to support Phase 2 decision making for the West Valley Demonstration Project and New York State Energy Research and Development Authority.
- Technical Assistance Contract was awarded in the second quarter of FY 2023 as an indefinite delivery/indefinite quantity contract from which task orders will be issued on either a time and materials or fixed-price basis. The site will begin procurement of the follow-on contract in October 2025 with award in September 2026.
- Supplemental Environmental Impact Statement Development contract, which was awarded to SC&A in FY 2017 to evaluate alternatives for completing DOE's mission at West Valley Demonstration Project and bringing the site to closure. A follow-on contract was awarded in calendar year 2023.

Strategic Management

The Department has completed the first two mandates of the West Valley Demonstration Project Act - solidification of the liquid high-level radioactive waste and development of containers suitable for permanent disposal of the high-level radioactive waste. There are currently 278 high-level radioactive waste canisters that have been produced that are in safe storage in a cask storage system. The remaining work to be completed by DOE at West Valley includes: (1) storage and shipment of the high-level radioactive waste canisters for off-site disposal; (2) disposal of Project-generated low-level radioactive waste and transuranic waste; and (3) facility decontamination and decommissioning.

DOE will continue to focus on the planning of the removal of the below grade portion of the Main Plant Processing Building and Vitrification Facility; low-level radioactive waste and transuranic waste disposition; and removal of non-essential facilities. In addition, the Department has installed a permeable treatment wall to mitigate the spread of a ground water plume and has installed a Tank and Vault Drying System to safely manage the high-level radioactive waste tanks until their final closure pathway is determined. The Main Plant Process Building was successfully deactivated, and demolition started on September 21, 2022, and is expected to complete the above grade portion of the Main Plant Processing Building on time and within in budget in June 2025. Demolition is consistent with the Environmental Impact Statement Record of Decision. The Vitrification Facility has been deactivated and demolished to grade-level. Below-grade removal of the Main Plant Process Building and the Vitrification Facility will be consistent with the Environmental Impact Statement Record of Decision. All 46 unneeded buildings and facilities (balance of site facilities or BOSFs) have been removed. The following assumptions will impact the overall achievement of the program's strategic goal:

- The Project will be able to disposition higher activity low-level radioactive waste off-site, without obstruction, consistent with the 2005 Waste Management Record of Decision.
- Additional National Environmental Policy Act (e.g., Supplemental analysis and amendments to the Record of Decision) may be developed to allow for off-site disposition of other Project waste.
- The Project's non-defense transuranic waste has been included within the Department's Final Environmental Impact Statement for the Disposal of Greater-Than-Class C Low-Level Radioactive Waste and Greater-Than-Class-C-Like Waste that was published in February 2016. The non-defense transuranic waste will be packaged and stored until a disposition path is available.

West Valley Demonstration Project

Funding (\$K)

	FY 2024 Enacted	FY 2025 Enacted	FY 2026 Request	FY 2026 Request vs FY 2025 Enacted \$	FY 2026 Request vs FY 2025 Enacted (%)
Defense Environmental Cleanup					
Safeguards and Security					
OH-WV-0020 / Safeguards and Security-West Valley	5,865	7,808	7,988	+180	+2%
Non-Defense Environmental Cleanup					
West Valley Demonstration Project					
OH-WV-0013 / Solid Waste Stabilization and Disposition-West Valley	31,712	23,714	31,712	+7,998	+34%
OH-WV-0040 / Nuclear Facility D&D- West Valley	58,168	66,166	58,168	-7,998	-12%
Subtotal, West Valley Demonstration Project	89,880	89,880	89,880	+0	0%
Total, West Valley Demonstration Project	95,745	97,688	97,868	+180	0%

**West Valley Demonstration Project
Explanation of Major Changes (\$K)**

	FY 2025 Enacted	FY 2026 Request	FY 2026 Request vs FY 2025 Enacted
Defense Environmental Cleanup			
Safeguards and Security			
OH-WV-0020 / Safeguards and Security-West Valley			
• Increase supports Safeguards & Security funding that is required by Executive Order 14028 and now matches the Phase 1 Independent Government Cost Estimate/Baseline.	7,808	7,988	+180
Non-Defense Environmental Cleanup			
West Valley Demonstration Project			
OH-WV-0013 / Solid Waste Stabilization and Disposition-West Valley			
• Increase in funding will be utilized for the removal, storage, and disposal of the Waste Tank Farm mobilization pumps and the removal and disposal of the Remote Handled Waste Facility filter banks.	23,714	31,712	+7,998
OH-WV-0040 / Nuclear Facility D&D-West Valley			
• Decrease is due to the completion of the above grade portion of the Main Plant Process Building.	66,166	58,168	-7,998
Total, West Valley Demonstration Project	97,688	97,868	+180

Safeguards and Security-West Valley (PBS: OH-WV-0020)

Overview

This PBS can be found within the Defense Environmental Cleanup appropriation.

The Safeguards and Security Program at the West Valley Demonstration Project protects government assets, information, and technology systems to support the cleanup of this spent fuel reprocessing facility. These activities provide for overall site access security and protection of personnel and Government property.

This scope will continue until DOE’s mission at the West Valley Demonstration Project is complete. The Cyber Security Program (e.g., Executive Order 14028, DOE O 205.1C, and the EM Cyber Security Program Plan) at the West Valley Demonstration Project protects Government information and technology systems to support the cleanup of this spent fuel reprocessing facility.

Safeguards and Security-West Valley (PBS: OH-WV-0020)

Activities and Explanation of Changes

FY 2025 Enacted	FY 2026 Request	Explanation of Changes - FY 2026 Request vs FY 2025 Enacted
\$7,808,000	\$7,988,000	+\$180,000
• Provide physical security with an on-site guard force to ensure the Department's information resources are identified and protected. • Continue program management to oversee the security program including cybersecurity (e.g., Executive Order 14028, DOE O 205.1C, EM Cyber Security Program Plan), training and qualifications for the West Valley Demonstration Project.	• Provide physical security with an on-site guard force to ensure the Department's information resources are identified and protected. • Continue program management to oversee the security program including cybersecurity (e.g., Executive Order 14028, DOE O 205.1C, EM Cyber Security Program Plan), training and qualifications for the West Valley Demonstration Project.	• Increase supports Safeguards & Security funding that is required by Executive Order 14028 and now matches the Phase 1 Independent Government Cost Estimate/Baseline.

Solid Waste Stabilization and Disposition-West Valley (PBS: OH-WV-0013)

Overview

This PBS is within the Non-Defense Environmental Cleanup appropriation.

The solid waste stabilization and disposition project at the West Valley Demonstration Project involves the waste management activities required to disposition the low-level radioactive waste and transuranic waste produced as a result of high-level radioactive waste solidification activities. When this project is completed, all West Valley Demonstration Project-generated, low-level radioactive waste will have been shipped off-site for disposal, reducing worker and environmental risk at the site. In order to prepare for waste disposition efforts associated with transuranic and other high activity waste, a Remote-Handled Waste Facility has been constructed, which provides the capability to safely characterize, size reduce, package and prepare high activity and transuranic waste for off-site shipment and disposal. Transuranic waste will be packaged and interim stored until a disposition path is available.

Solid Waste Stabilization and Disposition-West Valley (PBS: OH-WV-0013)

Activities and Explanation of Changes

FY 2025 Enacted	FY 2026 Request	Explanation of Changes - FY 2026 Request vs FY 2025 Enacted
\$23,714,000	\$31,712,000	+\$7,998,000
• Store legacy transuranic waste. • Store newly generated transuranic waste. • Ship and dispose of all other newly generated waste, primarily the demolition debris created by the Main Plant Process Building. • Process and package oversized legacy waste.	• Store legacy transuranic waste. • Store newly generated transuranic waste. • Ship and dispose of all other newly generated waste, primarily the demolition debris created by removal of the below-grade portion of the Main Plant Process Building.	• Increase in funding will be utilized for the removal, storage, and disposal of the Waste Tank Farm mobilization pumps and the removal and disposal of the Remote Handled Waste Facility filter banks.

Nuclear Facility D&D-West Valley (PBS: OH-WV-0040)

Overview

This PBS is within the Non-Defense Environmental Cleanup appropriation.

The decontamination and decommissioning program at the West Valley Demonstration Project encompasses the facilities, tanks and hardware used during high-level radioactive waste solidification efforts. Decontamination and decommissioning activities were subject to a Final Environmental Impact Statement which was completed in January 2010 and a Record of Decision was issued in April 2010. DOE has selected a phased approach for decommissioning activities at the West Valley Demonstration Project. In August 2011, DOE awarded a contract to CH2M Hill-B&W West Valley, LLC to conduct the first phase of decommissioning (Phase I Decommissioning - Facility Disposition) at the West Valley Demonstration Project. The decontamination and decommissioning will be performed consistent with the Nuclear Regulatory Commission criteria per the approved decommissioning plan. The decommissioning plan includes the relocation of 278 high-level radioactive waste canisters from the 50-year-old Main Plant Process Building to a new on-site interim storage facility, and the removal of the Main Plant Process Building, the Vitrification Facility, and the Water Treatment Lagoons (Waste Management Areas 1 and 2). To support decontamination and decommissioning efforts, safety management and maintenance at the site are in compliance with federal and state statutes, as well as DOE orders and requirements. This PBS also includes funding for the Cooperative Agreement between the Seneca Nation of Indians and the West Valley Demonstration Project (1996) establishes a framework for inter-governmental relationships between the Seneca Nation of Indians and the Department with respect to project activities.

Nuclear Facility D&D-West Valley (PBS: OH-WV-0040)

Activities and Explanation of Changes

FY 2025 Enacted	FY 2026 Request	Explanation of Changes - FY 2026 Request vs FY 2025 Enacted
\$66,166,000	\$58,168,000	-\$7,998,000
• Maintain Site Services. • Continue demolition of the above grade portion of the Main Plant Process Building. • Maintain the underground storage tanks, the Nuclear Regulatory Commission-Licensed Disposal Area, and the Permeable Treatment Wall. • Manage and maintain site infrastructure. • Conduct environmental monitoring. • Install new Guard House.	• Maintain Site Services. • Set conditions for and begin demolition of the below- grade portion of the Main Plant Process Building. • Remove the mobilization pumps and transfer pumps from the underground storage tanks, • Maintain the Nuclear Regulatory Commission-Licensed Disposal Area and the Permeable Treatment Wall. • Manage and maintain site infrastructure.	• Decrease is due to the completion of the above grade portion of the Main Plant Process Building.

-
- Conducted environmental monitoring.

Energy Technology Engineering Center

Overview

The Energy Technology Engineering Center (ETEC) supports the Department's cleanup of radioactive and chemical waste resulting from historical nuclear energy and liquid metals research activities. Cleanup activities at the Energy Technology Engineering Center involve completion of site characterization; issuance of a court-ordered Record of Decision pursuant to the National Environmental Policy Act (NEPA); deactivation, decommissioning, and demolition of excess facilities; remediation of contaminated groundwater and soil; and disposition of resulting radioactive and hazardous waste.

The Energy Technology Engineering Center was a collection of DOE facilities within Area IV of the Santa Susana Field Laboratory. The Boeing Company is the landowner. By the end of 2021, all above-ground portions of the DOE-owned buildings were demolished. Ongoing and planned activities at the site before site closure include remediation of soil and groundwater contamination which will be implemented after continued collaboration with the State of California.

The Energy Technology Engineering Center site priorities are driven by several compliance agreements, which drive both the timing and sequence of cleanup priorities as follows:

- Complete the groundwater Corrective Measures Study and implement final groundwater remedies.
- Conduct additional environmental review to support Record of Decision for soils.
- Continue planning to clean up contaminated soil and groundwater in Area IV and the Northern Buffer Zone to a level that is protective of human health and the environment at the Santa Susana Field Laboratory.

Highlights of the FY 2026 Budget Request

The Energy Technology Engineering Center's FY 2026 request will enable the site to continue making progress toward completion of cleanup, including planning for groundwater and soil remediation. The site will continue to work with the State of California to gain approval of the Groundwater Corrective Measures Study and Implementation Plan to either increase interim measures or initiate final groundwater remediation and the Soil Remedial Action Implementation Plan. The site will continue the current Groundwater Interim Measures for areas that exceed 1,000 parts per billion for trichloroethylene. The site will continue its collaborations with the State of California so that once a Record of Decision for soils is published, the Department can begin a timely initiation of the soil remediation. It is important to note that until the State of California completes and issues Notice(s) of Determination as required by the California Environmental Quality Act, the Department cannot initiate groundwater or soil remediation.

FY 2025 - 2026 Key Milestones/Outlook

- (September 2025) Continue planning of groundwater final remedy in collaboration with the State of California.
- (September 2025) Complete report on the study of the Laboratory Method Reporting Limits and Backfill Source evaluation as requested by California Department of Toxic Substances Control.
- (March 2026) Complete installation of additional monitoring wells to address data gaps identified in ongoing groundwater monitoring.
- (September 2026) Continue discussions with the State of California on planning soil remediation.

Regulatory Framework

Prior decontamination and demolition activities of the radiologically contaminated facilities at the Energy Technology Engineering Center were conducted under Atomic Energy Act authority. In May 2007, the U.S. District Court for the Northern District of California directed the Department to complete an Environmental Impact Statement and Record of Decision for Area IV of the Santa Susana Field Laboratory in accordance with

the National Environmental Policy Act (NEPA). Also, the California Environmental Quality Act requires the State of California to complete an Environmental Impact Report before additional remediation can be conducted. The Resource Conservation and Recovery Act groundwater cleanup is regulated by Department of Toxic Substances Control consistent with a signed Consent Order issued by the Department of Toxic Substances Control in August 2007. The Department completed negotiation of an Administrative Order on Consent with Department of Toxic Substances Control in December 2010 for all remaining soil characterization and remediation.

The Department is continuing progress to complete National Environmental Policy Act (NEPA) requirements for the Energy Technology Engineering Center site. In December 2018, the Department published the Final Environmental Impact Statement, supported by extensive studies of the site for radiological and chemical contamination conducted by DOE and the U.S. Environmental Protection Agency. The Department has published two Records of Decision: the first for Building Demolition in September 2019, the second for Groundwater Remediation in November 2020. The Department has yet to issue a Record of Decision for Soil Remediation.

Before any additional groundwater or soils cleanup is initiated, the Department will continue working with California's Department of Toxic Substances Control. The State approves the Department's remediation plans subject to the California Environmental Quality Act-required Program Environmental Impact Report. California issued their Draft Program Environmental Impact Report in September 2017, issued the Final Program Environmental Impact Report in June 2023, and certified it in July 2023. Further cleanup of groundwater and/or soils will require California to publish Notice(s) of Determination.

In the meantime, ongoing and additional interim remediation can continue with agreement from the State of California. In May 2020, DOE and Department of Toxic Substances Control executed an Order on Consent for Interim Actions that provided the framework for building demolition and agreed to demolish ten buildings, which was amended in October 2020, to include the final eight DOE-owned buildings. These interim actions were completed with the demolition of all above ground portions of DOE-owned buildings and waste shipped off-site for disposal in January 2022. Remaining building demolition activities include removal of the slabs, two vaults, and one basement along with closure of two open Resource Conservation and Recovery Act permits for the Radioactive Material Handling Facility and Hazardous Waste Management Facility.

The State of California announced a Settlement Agreement with The Boeing Company in May 2022 providing a framework for a cleanup standard for Boeing's areas of responsibility at the Santa Susana Field Laboratory. The cleanup standards in this framework are up to and including a "resident with garden" standard for chemical constituents and cleanup to "background" levels for radiological contamination. This Settlement Agreement does not apply to DOE's soil remediation in Area IV, but would be applied to adjacent areas, separated only by administrative boundaries.

Contractual Framework

The Energy Technology Engineering Center awarded a new contract for environmental monitoring, surveillance and maintenance, and project support activities to North Wind Portage, Inc. in May 2024. This scope was the first Task Order awarded under the Office of Environmental Managements' Small Business Nationwide Deactivation, Decommissioning and Removal contract. The award included CDM Smith as a teaming partner.

The scope of this new contract includes direct follow on activities from two previous contracts: one with North Wind Portage, Inc., that included demolition, general environmental monitoring, surveillance, and maintenance which expired in July 2024; and one with CDM Smith that included regulatory support, technical support, and the development of the National Environmental Policy Act documentation which expired in August 2024. The Energy Technology Engineering Center completed a seamless transition to the new contract.

In December 2021, the DOE awarded a cooperative agreement with the Santa Ynez Band of Chumash Indians that provides funds to the local federally recognized Tribe to study and develop educational materials documenting the cultural significance of the Burro Flats portion of the Santa Susana Field Laboratory and how the past, current, and future activities have affected and can help preserve the site. This award furthers the site's ongoing collaboration with the Tribe and supports the National Historic Preservation Act Section 106

Programmatic Agreement with the State of California Historic Preservation Officer that was signed in September 2019.

Strategic Management

The Department will continue to work with the State of California to achieve the cleanup of the Site. The DOE identified numerous challenges to implement the 2010 Administrative Order on Consent with the current Look-Up Table Values in final Environmental Impact Statement. The Energy Technology Engineering Center continues active engagement with stakeholders, including local elected officials and community members, to provide an understanding of DOE's history at the site and current progress towards cleanup. With the updated information provided in the Final Program Environmental Impact Report, which the State of California certified in July 2023, DOE anticipates that the Energy Technology Engineering Center would not be able to begin implementation of soil remediation until after FY 2026, at the earliest. The DOE continues working with the State of California with the support of the Network of National Laboratories for Environmental Management and Stewardship and the Regulatory Center of Excellence to reconcile these differences in a timely manner.

Energy Technology Engineering Center

Funding (\$K)

	FY 2024 Enacted	FY 2025 Enacted	FY 2026 Request	FY 2026 Request vs FY 2025 Enacted \$	FY 2026 Request vs FY 2025 Enacted (%)
Non-Defense Environmental Cleanup					
Small Sites					
Energy Technology Engineering Center					
CBC-ETEC-0040 / Nuclear Facility					
D&D-Energy Technology Engineering Center	18,000	10,000	10,000	+0	0%

**Energy Technology Engineering Center
Explanation of Major Changes (\$K)**

FY 2025 Enacted	FY 2026 Request	FY 2026 Request vs FY 2025 Enacted
----------------------------	----------------------------	---

Non-Defense Environmental Cleanup

Small Sites

Energy Technology Engineering Center

CBC-ETEC-0040 / Nuclear Facility D&D-Energy Technology Engineering Center

- No change.

	10,000	10,000	+0
Total, Energy Technology Engineering Center	10,000	10,000	+0

Nuclear Facility D&D-Energy Technology Engineering Center (PBS: CBC-ETEC-0040)

Overview

This PBS is within the Non-Defense Environmental Cleanup appropriation.

The purpose of this PBS scope is to: 1) clean up contaminated release sites; 2) perform remediation of both contaminated groundwater and soil; and 3) remove radioactive and hazardous waste from the site applying (when possible) waste minimization principles. DOE has completed decontamination, decommissioning, and demolition for the above-ground portion of all DOE-owned buildings, but slabs, two vaults, and a basement remain. Soil and groundwater characterization has been performed. The scope of this PBS also includes direct maintenance and repair that are applicable to these areas.

In 2007, DOE received Court-ordered direction to prepare an Environmental Impact Statement regarding the cleanup of the Energy Technology Engineering Center facilities. Additionally, the State of California issued a Consent Order in 2007 for groundwater remediation and an Administrative Order on Consent in 2010 for cleanup of soils to a background level established by the State.

The end-state is to complete cleanup of soils and groundwater for both radiological and chemical contamination. The site will then be transferred to The Boeing Company, which owns the land. In 2023, The State of California issued and certified the final Program Environmental Impact Report (PEIR) for the Santa Susana Field Laboratory; however, the Program Environmental Impact Report did not approve any cleanup standards, but rather analyzed the potential environmental impacts assuming the most extensive set of cleanup activities that could occur on the project site. The Department continues to work with the State to coordinate the timing and scope of the cleanup activities at ETEC.

Nuclear Facility D&D-Energy Technology Engineering Center (PBS: CBC-ETEC-0040)

Activities and Explanation of Changes

FY 2025 Enacted	FY 2026 Request	Explanation of Changes - FY 2026 Request vs FY 2025 Enacted
\$10,000,000	\$10,000,000	+\$0
- Accelerate interim groundwater remediation. - Continue groundwater planning activities to support approval of the Corrective Measures Study by the State regulators. - Conduct ongoing environmental review of soil remediation including analysis of laboratory capabilities and backfill availability as request by State regulators.	- Complete Soil Remediation Action Implementation Plan pending agreement on an implementable soils standard with the State of California. - Initiate groundwater remediation after the Corrective Measures Implementation Plan is approved by the State regulators.	No change.

-
- Initiate interim field activities with approval from State regulators.
 - Continue environmental review if required to support Record of Decision for soils remediation.

Moab

Overview

The Moab Uranium Mill Tailings Remedial Action Project supports the Department's cleanup of radioactive and chemical waste resulting from the Manhattan Project and Cold War activities. The project involves the excavation and transportation of a 16-million-ton pile of uranium mill tailings from near the Colorado River at the Moab, Utah site, and placement/disposal at an engineered disposal cell constructed at Crescent Junction, Utah. Through the end of calendar year 2023, the Project shipped more than 14 million tons of material.

Direct maintenance and repair at the Moab Uranium Mill Tailings Remedial Action Project is estimated to be \$574,000 in FY 2026.

Highlights of the FY 2026 Budget Request

EM's FY 2026 request supports efforts to accelerate site closure at the Moab site. The request supports safely excavating, transporting, and placing mill tailings from the Moab site to the disposal cell at Crescent Junction, Utah, operating the interim remedial action for contaminated groundwater, and developing the groundwater compliance action plan.

FY 2025 - 2026 Key Milestones/Outlook

- (September 2025) Excavate, transport, and dispose of approximately 950,000 tons of tailings.
- (September 2026) Excavate, transport, and dispose of approximately 950,000 tons of tailings.

Regulatory Framework

Remediation must be performed in accordance with Title I of the Uranium Mill Tailings Radiation Control Act and the cleanup standards established under 40 CFR 192, Health and Environmental Protection Standards for Uranium and Thorium Mill Tailings.

Contractual Framework

North-Wind Portage holds the Remedial Action Contract, which is an End State Contract for up to 10 years that utilizes cost reimbursement and fixed price task orders for cleanup activities. S&K Mission Support was awarded the Technical Assistance Contract in May 2023, a firm-fixed-price contract.

Strategic Management

The Department will work aggressively to complete cleanup at the Moab site. This involves the transport of uranium mill tailings away from their current location near the Colorado River and Arches National Park to a DOE disposal facility in Crescent Junction, Utah.

Moab

Funding (\$K)

	FY 2024 Enacted	FY 2025 Enacted	FY 2026 Request	FY 2026 Request vs FY 2025 Enacted \$	FY 2026 Request vs FY 2025 Enacted (%)
Non-Defense Environmental Cleanup					
Small Sites					
Moab					
CBC-MOAB-0031 / Soil and Water Remediation-Moab	67,000	74,420	64,265	-10,155	-14%

Moab
Explanation of Major Changes (\$K)

			FY 2026 Request vs FY 2025 Enacted
	FY 2025 Enacted	FY 2026 Request	

Non-Defense Environmental Cleanup

Small Sites

Moab

CBC-MOAB-0031 / Soil and Water Remediation-Moab

- Decrease reflects initial rock production and delivery to support disposal cell cover in FY 2025 and not planned for FY 2026.

	74,420	64,265	-10,155
Total, Moab	74,420	64,265	-10,155

Soil and Water Remediation-Moab (PBS: CBC-MOAB-0031)

Overview

This PBS is within the Non-Defense Environmental Cleanup appropriation.

The project scope includes remediating radioactive uranium mill tailings, mill debris, contaminated ground water, and contaminated vicinity properties at the former Atlas Minerals Corporation uranium ore processing site. The Department became responsible for this mission upon enactment of the Floyd D. Spence National Defense Authorization Act of 2001. The site is of particular public interest due to its unique setting on the banks of the Colorado River and its proximity to Arches National Park.

The scope of this PBS also includes direct maintenance and repair that are applicable to these areas.

Soil and Water Remediation-Moab (PBS: CBC-MOAB-0031)

Activities and Explanation of Changes

FY 2025 Enacted	FY 2026 Request	Explanation of Changes - FY 2026 Request vs FY 2025 Enacted
\$74,420,000	\$64,265,000	-\$10,155,000
• Conduct Moab and Crescent Junction operation and maintenance. • Operate interim remedial action for contaminated groundwater. • Excavate tailings and transport (4 trains/week and additional shipments during the year on weekends or holidays) to the disposal cell (approximately 1,000,000 tons). • Perform operations and maintenance of the materials handling system and infrastructure. • Continue equipment maintenance/replacement. • Place a portion of the interim cover.	• Conduct Moab and Crescent Junction operation and maintenance. • Operate interim remedial action for contaminated groundwater and develop groundwater compliance action plan. • Excavate tailings and transport (4 trains/week) to the disposal cell (approximately 950,000 tons). • Perform operations and maintenance of the materials handling system and infrastructure. • Continue equipment maintenance/replacement. • Place a portion of the interim cover.	• Decrease reflects initial rock production and delivery to support disposal cell cover in FY 2025 and not planned for FY 2026.

-
- Excavate/expand a portion of the disposal cell to accommodate increased shipping.
 - Atlas building demolition.
 - Initiate autoclave handling.
 - Mill debris demolition.

Other Sites

Overview

In supporting the Department of Energy (DOE) to meet the challenges of the Nation's Manhattan Project and Cold War environmental legacy responsibilities, the Environmental Management (EM) Program manages scope that includes closure and post-closure administrative activities at a number of geographic sites across the nation. The sites included in this section are in the final stages of cleanup and closure or have actually transitioned to the post-closure phase. Additionally, this account includes a site/facility for which DOE has no liability or mission requirement, but for which Congress has provided funds.

Lawrence Berkeley National Laboratory

Over the past eleven years, Congress has provided approximately \$200,000,000 in funding. DOE will continue utilizing these funds to deactivate, decommission and demolish various facilities across Lawrence Berkeley National Laboratory and remove associated contaminated soil.

EM Consolidated Business Center

The EM Consolidated Business Center (EMCBC) provides a wide range of activities supporting DOE's national environmental cleanup mission, from financial management, contracting, technical support and information resource management. EMCBC also has responsibility for administrative closure and post-closure activities at EM defense and non-defense sites, which includes contract closeout, litigation and litigation support within this Other Sites budget. EMCBC serves as the lead EM office for new cleanup contract acquisitions required to support the EM program mission. Respectively, EMCBC administers Closure Sites activities for Rocky Flats, Fernald, Mound and provides oversight, technical, project controls, cybersecurity (e.g., EO 14028, DOE O 205.1C, EM Cybersecurity Program Plan), and legal/litigation support for the Separations Process Research Unit, EMCBC New York Project Support Office, Nevada, West Valley, Moab, Energy Technology Engineering Center, and EM work at Lawrence Berkeley National Laboratory, Lawrence Livermore National Laboratory, and Sandia National Laboratory.

Highlights of the FY 2026 Budget Request

Continue regulatory support of the Fernald Closure Project, and small sites' litigation and support requirements. There is a significant decrease in the request for Closure Project's from FY 2025 to FY 2026 as the records disposition process at the Denver Federal Center/Building 55 has completed. There has also been a significant decrease in the number of claims against the Fernald Workers Compensation agreement, and the budget request reflects that decrease accordingly.

Strategic Management

The EM program will conduct closure and post-closure administrative activities at several sites across the nation.

Other Sites

Funding (\$K)

	FY 2024 Enacted	FY 2025 Enacted	FY 2026 Request	FY 2026 Request vs FY 2025 Enacted \$	FY 2026 Request vs FY 2025 Enacted (%)
Defense Environmental Cleanup					
Closure Sites					
Closure Sites Administration					
CBC_0100_EM / Litigation Support	2,423	750	300	-450	-60%
CBC_0100_FN / CBC Post Closure Administration - Fernald	500	500	100	-400	-80%
CBC_0100_RF / CBC Post Closure Administration - Rocky Flats	100	100	100	+0	0%
Subtotal, Closure Sites Administration	3,023	1,350	500	-2,523	-83%
Non-Defense Environmental Cleanup					
Small Sites					
Lawrence Berkeley National Laboratory					
CBC_LBNL_0040 / Decontamination and Decommissioning-Lawrence Berkeley National Laboratory	6,000	0	0	+0	0%
Other Sites					
CBC_0040_EF / Excess Office of Science Facilities	5,935	0	0	+0	0%
Total, Small Sites	0	0	0	+0	0%
Total, Other Sites	14,958	1,350	500	-14,458	-97%

Other Sites
Explanation of Major Changes (\$K)

	FY 2025 Enacted	FY 2026 Request	FY 2026 Request vs FY 2025 Enacted
Defense Environmental Cleanup			
Closure Sites			
Closure Sites Administration			
CBC_0100_EM / Litigation Support			
• Decrease attributed to the use of carryover funds from prior year appropriations and decreased funding requirements.	750	300	-450
CBC_0100_FN / CBC Post Closure Administration - Fernald			
• Decrease attributed to the use of carryover funds from prior year appropriations and decreased funding requirements.	500	100	-400
CBC_0100_RF / CBC Post Closure Administration - Rocky Flats			
• No major changes.	100	100	+0
Non-Defense Environmental Cleanup			
Small Sites			
Lawrence Berkeley National Laboratory			
CBC_LBNL_0040 / Decontamination and Decommissioning-Lawrence Berkeley National Laboratory			
• No funding requested.	0	0	+0
Other Sites			
CBC_0040_EF / Excess Office of Science Facilities			
• No change.	0	0	+0
Total, Other Sites	1,350	500	-850

Litigation Support (PBS: CBC-0100-EM)

Overview

EMCBC has a responsibility to provide ongoing litigation support for all supported sites. The PBS scope is to provide litigation support related to Closure Sites (Rocky Flats, Fernald, and Mound), as well as legal/litigation support for all active EMCBC sites.

Litigation Support (PBS: CBC-0100-EM)

Activities and Explanation of Changes

FY 2025 Enacted	FY 2026 Request	Explanation of Changes - FY 2026 Request vs FY 2025 Enacted
\$750,000	\$300,000	-\$450,000
Provide ongoing litigation support to sites supported by the EM Consolidated Business Center.	With the use of carryover funds: - Provide ongoing litigation support to sites supported by the EM Consolidated Business Center. - Support records vault lease and records management costs.	Decrease attributed to the use of carryover funds from prior year appropriations and decreased funding requirements.

CBC Post Closure Administration – Fernald (PBS: CBC-0100-FN)

Overview

This PBS is within the Defense Environmental Cleanup appropriation.

This Post-Closure Administration PBS scope includes the Fernald Closure Project post closure administration and litigation support.

CBC Post Closure Administration - Fernald (PBS: CBC-0100-FN)

Activities and Explanation of Changes

FY 2025 Enacted	FY 2026 Request	Explanation of Changes - FY 2026 Request vs FY 2025 Enacted
\$500,000	\$100,000	-\$400,000
Fund the Fernald Workers II class action lawsuit and contract closeout at the Fernald closure site.	Fund the Fernald Workers II class action lawsuit and contract closeout at the Fernald closure site.	Decrease attributed to the use of carryover funds from prior year appropriations and decreased funding requirements.

CBC Post Closure Administration – Rocky Flats (PBS: CBC-0100-RF)

Overview

This PBS is within the Defense Environmental Cleanup appropriation.

The Rocky Flats Closure Project achieved site closure in FY 2006. The PBS scope provided site litigation support related to the continuing class actions and other civil litigation activities of former site contractors. This PBS previously funded the records management vault and labor for the vault classifiers, which is no longer needed.

CBC Post Closure Administration - Rocky Flats (PBS: CBC-0100-RF)

Activities and Explanation of Changes

FY2025 Enacted	FY2026 Request	Explanation of Changes - FY 2026 Request vs FY 2025 Enacted
\$100,000	\$100,000	+\$0
- Supported Rocky Flats Closure Project's legal requirements. - Supported records vault lease and records management costs. - Paid/Reimbursed Workers' Compensation claims and supported Contract Closeout.	Pay/Reimburse Workers' Compensation claims and supported Contract Closeout.	No major changes.

Mission Support

Overview

EM's Mission Support activities encompass an array of functions that enable the overall cleanup mission. These activities are typically managed through the Headquarters office(s) since they advance various crosscutting EM and DOE initiatives.

Policy, Management, and Technical Support

The Headquarters Operations program includes policy, management, and technical support activities to provide management and direction for various crosscutting EM and DOE initiatives. Through this program, EM establishes and implements national and departmental policies, provides focused technical expertise to resolve barriers to site cleanup, and conducts analyses and integrates activities across the DOE complex. This program also includes government-furnished services and items necessary to accelerate site cleanup and risk reduction efforts, assure pathways to disposition waste and materials, conduct transportation, packaging, and emergency preparedness activities, complete necessary policy analyses, support legal claims, support closure assistance activities, and effectively communicate with the public, Tribal Nations, and stakeholders regarding the EM program's activities.

Minority Serving Institutions Partnership Program

EM recognizes that successfully completing its legacy environmental cleanup mission will require maintaining a well-trained and technically skilled workforce. EM has mission-specific workforce needs, requiring education and training beyond the traditional classroom coursework. Engagement with universities and colleges provides an opportunity to inform students about the real challenges of the EM mission and position a future workforce pipeline. This program was designed to help address EM's future workforce needs by partnering with DOE field sites and DOE national laboratory and contractor organizations, academia, and other Federal government agencies to mentor and provide career pathway opportunities for future science, technology, engineering, and math graduates. Representation in critical science and engineering fields is an important part of EM's vision for this future workforce. EM has created and designed the EM Minority Serving Institutions Partnership Program that supports science, technology, engineering, and mathematics activities at institutions engaged in cleanup-relevant research and development and related science, technology, engineering, and mathematics efforts supporting EM's needs.

The EM Minority Serving Institutions Partnership Program is made up of the following programs:

- Competitive research awards: Research contracts potentially awarded on EM mission-related research and award recipients will partner with national laboratories.
- Internships: 10-week summer internships hosted at DOE national laboratories, DOE field sites, and EM Headquarters.
- Environmental Sciences Field Station Program: 10-week hands-on summer program offering course credits. Field research projects are affiliated with the Savannah River National Laboratory and other DOE national laboratories and technology centers.
- Graduate Fellowship Program: This is a year-long fellowship program that includes salary, travel for conferences, and professional networking events at various DOE facilities.

Technology Development

The Technology Development Program will facilitate the use of innovative solutions and state-of-the-art technology to reduce costs, accelerate schedules, reduce safety risks, and mitigate vulnerabilities. The infusion of new technology and innovative solutions are necessary to fill science and technology-rooted mission gaps and to improve or optimize baseline technologies.

The Technology Development Program provides the opportunity to reduce the aggregate cleanup cost, complete cleanup and close sites sooner and, more importantly, perform work and operate facilities more effectively and in a manner that assures public, workers and environmental safety. New and novel technologies as well as innovative solutions are needed to address the significant challenges associated with the remaining nuclear cleanup work that will span at least the next five decades. The program encompasses the entire maturation lifecycle of technology which includes transfer of technologies from other nuclear and non-nuclear industry sectors. The program addresses issues related to: (1) public, worker, facility/asset, and environmental safety and security, (2) radioactive liquid and solid waste treatment, storage, and disposal, (3) soil and groundwater remediation, (4) nuclear materials and spent fuel management and disposition, and (5) facility deactivation and decommissioning.

Recognizing that many mission enabling technologies are commercially available in non-nuclear industry sectors and others have been developed by federal agencies to support their highly specialized missions. EM will seek to transfer these technologies to support nuclear cleanup.

EM collaborates and partners with technologists in other U.S. executive departments and independent agencies to leverage highly specialized expertise, government assets and facilities, and publicly funded programs. Access to non-DOE national laboratories and technology centers, non-DOE federally funded research and development centers, non-DOE testing facilities and proving grounds, as well as university affiliated research centers, can greatly increase opportunities for cleanup innovation and enhance cleanup capabilities.

Mercury Storage Facility

The Mercury Export Ban Act of 2008 (Public Law 110-414) as amended by the Frank R. Lautenberg Chemical Safety for the 21st Century Act (Public Law 114-182), which banned the export of elemental mercury generated in the United States beginning in 2013, prohibits federal agencies from either selling or distributing mercury, and instructs DOE to provide long-term management and storage for elemental mercury generated within the United States. The Act, as amended, requires that a storage facility be operational by January 1, 2019. Additionally, DOE's mercury storage operations will be subject to the requirements of the Resource Conservation and Recovery Act. EM is responsible for designating a DOE facility for the long-term management and storage of elemental mercury and the Office of Legacy Management is responsible for the operation of the facility. DOE began preparation of an Environmental Impact Statement in May 2009 to identify a location for a long-term elemental mercury management and storage facility. The final Environmental Impact Statement was issued in January 2011. In June 2012, DOE announced its intention to evaluate additional locations near the Waste Isolation Pilot Plant in Carlsbad, New Mexico, and developed a Supplemental Environmental Impact Statement. The final Supplement to the Environmental Impact Statement was issued in October 2013. EM published a Supplement Analysis in June 2019 that analyzed changes that have occurred since 2011. EM published the Record of Decision, designating Waste Control Specialists LLC in Andrews, Texas, and the final rule on Mercury Management and Storage fees in December 2019. Nevada Gold Mines and Coeur Mining filed lawsuits in opposition to the fee rule and designation. DOE settled the Nevada Gold Mines lawsuit and entered into a settlement agreement that terminated the fee rule and removed the designation. DOE expects the conveyance of title of 112 metric tons of elemental mercury in FY 2025 pursuant to the Nevada Gold Mines legal settlement. DOE plans to complete additional National Environmental Policy Act environmental analyses and initiate the fee rule in FY 2026. A designation and revised fee rule will follow environmental analyses, enabling the acceptance of elemental mercury from domestic sources.

Reimbursement and Financial Review of Claims for Uranium and Thorium Licensees

Pursuant to Title X of the Energy Policy Act of 1992 (Public Law 102-486, as amended) and 10 CFR Part 765, the Title X Uranium and Thorium Reimbursement Program provides reimbursements to uranium and thorium licenses for the portion of the environmental cleanup costs attributable to nuclear material sold to the federal government during the Cold War Era. Title X authorizes the Department to reimburse eligible costs for Title X licenses. The Department will conduct financial reviews to ensure eligible costs have been submitted to the Department by the Title X licenses. The intent of Title X is to reimburse eligible costs previously incurred by

licensees and does not relieve licensees of their liability to complete environmental restoration of their former mill sites. Through February 2025, four of the fourteen sites have completed remediation and have transferred their disposal facilities to DOE for long-term stewardship. One site, Moab, was transferred to DOE by Public Law 106-398 and is no longer within the Title X program. Nine sites have continuing remediation programs.^[1]

^[1] DOE has fulfilled its reimbursement obligation to three of the nine sites, Dawn Mining Company, Rio Algom Mining LLC, and West Chicago Environmental Response Trust. These companies will continue to complete their remediation efforts.

Mission Support

Funding (\$K)

	FY 2024 Enacted	FY 2025 Enacted	FY 2026 Request	FY 2026 Request vs FY 2025 Enacted \$	FY 2026 Request vs FY 2025 Enacted (%)
Defense Environmental Cleanup					
Innovation and Technology Development					
Mission Support					
HQ-TD-0100 / Technology Development	35,569	35,569	16,012	-19,557	-55%
Program Support					
Mission Support					
HQ-HBCU-0100 / Minority Serving Institution Partnership Program	56,000	10,000	10,000	+0	0%
HQ-MS-0100 / Policy, Management, and Technical Support	7,504	7,504	10,320	+2,816	+38%
Subtotal, Mission Support	63,504	17,504	20,320	+2,816	+38%
Safeguards and Security					
HQ-0020 / Safeguards and Security	20,000	21,089	11,000	-10,089	-48%
Total, Defense Environmental Cleanup	119,073	74,162	47,332	-26,830	-60%
Non-Defense Environmental Cleanup					
Management and Storage of Elemental Mercury					
Mission Support					
HQ-MSF-0100 / Management and Storage of Elemental Mercury	0	5,000	0	-5,000	-100%
Total, Non-Defense Environmental Cleanup	0	5,000	0	-5,000	-100%
Uranium Enrichment Decontamination and Decommissioning Fund					
U/Th Reimbursements					
Mission Support					
HQ-UR-0100 / Reimbursements to Uranium / Thorium Licensees	0	0	5,115	+5,115	0%
Total, Mission Support	119,073	79,162	52,447	-26,715	-34%

Environmental Management/
Mission Support

FY 2026 Congressional Justification

Mission Support
Explanation of Major Changes (\$K)

			FY 2026 Request vs FY 2025 Enacted
FY 2025 Enacted	FY 2026 Request		FY 2026 Request vs FY 2025 Enacted

Defense Environmental Cleanup

Innovation and Technology Development

Mission Support

HQ-TD-0100 / Technology Development

- Decrease is attributed to planned scope of work in FY 2026 across the EM complex related to technology development activities, technical assistance, and enhancement and deployment of technologies.

35,569 16,012 -19,557

Program Support

HQ-HBCU-0100 / Minority Serving Institution Partnership Program

- No change.

10,000 10,000 +0

HQ-MS-0100 / Policy, Management, and Technical Support

- Increase supports accelerated site cleanup and risk reduction efforts, assure pathways to disposition waste and materials, complete necessary policy analyses, support legal claims, support closure assistance activities, and effectively communicate with the public and stakeholders regarding the EM program's activities. Increase also supports the Department's Strategic Sourcing Initiative whereby commodities are purchased through a supply chain netting EM economies of scale savings.

7,504 10,320 +2,816

Safeguards and Security

HQ-0020 / Safeguards and Security

- Decrease in funding will continue to support the cybersecurity oversight program for the EM Complex and a portion of the funding for the renewal of software and hardware and implementation of shared, enterprise cybersecurity solutions for information systems and operational technology/industrial control systems. The EM field sites will fund their own software and hardware renewals and implementations of cybersecurity requirements within their Safeguards and Security funding.

21,089 11,000 -10,089

Non-Defense Environmental Cleanup

Management and Storage of Elemental Mercury

HQ-MSF-0100 / Management and Storage of Elemental Mercury

- Decrease due to time needed to legally consider treatment and disposal in the Fee Rule.

5,000 0 -5,000

Uranium Enrichment Decontamination and Decommissioning Fund

U/Th Reimbursements

HQ-UR-0100 / Reimbursements to Uranium / Thorium Licensees

- Increase supports all FY 2025 and prior year claims.

	0	5,115	+5,115
Total, Mission Support	79,162	52,447	-26,715

Policy, Management, and Technical Support (PBS: HQ-MS-0100)

Overview

This PBS can be found within the Defense Environmental Cleanup appropriation.

This PBS scope includes management and direction for various crosscutting EM and DOE programs and initiatives, establishment and implementation of national and departmental policies, various intergovernmental activities, and analyses and integration activities across the DOE complex. Also, the scope of this PBS includes government-furnished services and items necessary to accelerate site cleanup and risk reduction efforts, assure pathways to disposition waste and materials, conduct transportation, packaging, and emergency preparedness activities, complete necessary policy analyses, support legal claims, support closure assistance activities, and effectively communicate with the public and stakeholders regarding the EM program's activities.

Policy, Management, and Technical Support (PBS: HQ-MS-0100)

Activities and Explanation of Changes

FY 2025 Enacted	FY 2026 Request	Explanation of Changes - FY 2026 Request vs FY 2025 Enacted
\$7,504,000	\$10,320,000	+\$2,816,000
- Continue support for DOE's Strategic Sourcing Initiative to purchase commodities through a supply chain framework, which results in cost avoidance on purchases. - Continue support for various Secretarial and Departmental initiatives, including the Defense Contracts Audit Agency audits, Government Industry Data Exchange Program and Consolidated Accounting Investment System. - Continue to provide expertise in the areas of safety, health and security, emergency management, quality assurance, nuclear criticality safety, and risk management. - Continue to provide support to instill safety awareness by utilizing the National Safety Council to conduct surveys which will	- Continue support for DOE's Strategic Sourcing Initiative to purchase commodities through a supply chain framework, which results in cost avoidance on purchases. - Continue support for various Secretarial and Departmental initiatives, including the Defense Contracts Audit Agency audits, Government Industry Data Exchange Program and Consolidated Accounting Investment System. - Continue to provide expertise in the areas of safety, health and security, emergency management, quality assurance, nuclear criticality safety, and risk management. - Continue to provide support to instill safety awareness by utilizing the National Safety Council to conduct surveys which will	Increase supports accelerated site cleanup and risk reduction efforts, assure pathways to disposition waste and materials, complete necessary policy analyses, support legal claims, support closure assistance activities, and effectively communicate with the public and stakeholders regarding the EM program's activities. Increase also supports the Department's Strategic Sourcing Initiative whereby commodities are purchased through a supply chain netting EM economies of scale savings

indicate whether and how EM's commitment to safety is working.

- Continue to provide support to various advisory groups such as the Nuclear Regulatory Commission, National Academy of Sciences and Low-Level Radioactive Waste Forum, to obtain technical assistance and expertise that indirectly supports EM mission objectives.
- Continue to provide support to packaging and transportation stakeholders outreach grants.
- Continue to provide rapid response from technical experts or "External/Internal" review teams to address emerging, imminent technical issues impeding site cleanup and closure.
- Continue to provide technical solution projects designed to reduce near-term technical risks and technical assistance to include site troubleshooting, consulting, scientific or technical problem solving.

indicate whether and how EM's commitment to safety is working.

- Continue to provide support to various advisory groups such as the Nuclear Regulatory Commission, National Academy of Sciences and Low-Level Radioactive Waste Forum, to obtain technical assistance and expertise that indirectly supports EM mission objectives.
- Continue to provide support to packaging and transportation stakeholders outreach grants.
- Continue to provide rapid response from technical experts or "External/Internal" review teams to address emerging, imminent technical issues impeding site cleanup and closure.
- Continue to provide technical solution projects designed to reduce near-term technical risks and technical assistance to include site troubleshooting, consulting, scientific or technical problem solving.

Minority Serving Institutions Partnership Program (PBS: EM-HBCU-0100)

Overview

This PBS can be found within the Defense Environmental Cleanup appropriation.

The Office of Environmental Management supports the Minority Serving Institutions Partnership Program to attract, develop, and retain the technical workforce at its national laboratories, field sites, and offices required to execute its mission. The Program supports development of a future-focused workforce whereby improvements are sought in the technical training of the atomic energy workforce as well as filling the pipeline of next generation nuclear cleanup professionals through science, technology, engineering, and mathematics education, experiential learning, and apprenticeships.

The EM Minority Serving Institutions Partnership Program was designed to address DOE's future workforce needs by partnering with academic, government and DOE contractor organizations to mentor future science, technology, engineering, and mathematics scientists and engineers in the research, development, and deployment of new technologies. The EM Minority Serving Institutions Partnership Program has the following foundational programs:

- **Competitive Research Awards:** Research contracts potentially awarded on EM mission-related research and award recipients will partner with national laboratories.
- **Internships:** Summer and seasonal internships hosted at DOE National Laboratories, DOE Field Sites, and EM Headquarters.
- **EM Minority Serving Institutions Partnership Program Field Station:** Hands on summer program with integrated experiential learning that offers course credits. Research projects would be affiliated with an EM Field Site and/or a DOE National Laboratory.
- **Graduate Fellowship Program:** This year-long fellowship program includes salary and travel for conferences and professional networking events at various DOE facilities.

Minority Serving Institution Partnerships Program (PBS: EM-HBCU-0100)

Activities and Explanation of Changes

FY 2025 Enacted	FY 2026 Request	Explanation of Changes - FY 2026 Request vs FY 2025 Enacted
\$10,000,000	\$10,000,000	+\$0

- | | | |
|---|---|--|
| <ul style="list-style-type: none">• Continue support for EM's Minority Serving Institution Partnerships Program to attract, develop, and retain the technical workforce at its national laboratories, field sites, and offices required to execute its mission. | <ul style="list-style-type: none">• Continue support for EM's Minority Serving Institution Partnerships Program to attract, develop, and retain the technical workforce at its national laboratories, field sites, and offices required to execute its mission. | <ul style="list-style-type: none">• No Change. |
|---|---|--|

Technology Development (PBS: HQ-TD-0100)

Overview

This program is within the Defense Environmental Cleanup appropriation.

The Technology Development Program will facilitate the use of innovative solutions and state-of-the-art technology to reduce costs, accelerate schedules, reduce safety risks, and mitigate vulnerabilities. The infusion of new technology and innovative solutions are necessary to fill science and technology-rooted mission gaps and to improve or optimize baseline technologies.

The Technology Development Program provides the opportunity to reduce the aggregate cleanup cost, complete cleanup and close sites sooner and, more importantly, perform work and operate facilities more effectively and in a manner that assures public, workers and environmental safety. New and novel technologies as well as innovative solutions are needed to address the significant challenges associated with the remaining nuclear cleanup work that will span the next five decades. The program encompasses the entire maturation lifecycle of technology which includes transfer of technologies from other nuclear and non-nuclear industry sectors. The program addresses issues related to: (1) public, worker, facility/asset, and environmental safety and security, (2) radioactive liquid and solid waste treatment, storage, and disposal, (3) soil and groundwater remediation, (4) nuclear materials and spent fuel management and disposition, and (5) facility deactivation and decommissioning.

The FY 2026 Budget addresses strategic investments in high-impact and disruptive technologies and solutions that have the potential to positively impact EM's lifecycle by: (1) reducing costs; (2) accelerating schedules; (3) mitigating mission uncertainties, vulnerabilities, and risks; and (4) minimizing the mortgage associated with long-term, post-closure and post-completion stewardship. High-impact and disruptive technologies are aimed at those that are outside the day-to-day program, target big challenges, and could result in breakthroughs. To that end, alternatives to baseline technologies are sought, particularly to leverage advancements in the current state of the art and to capitalize on the availability of new solutions.

In FY 2026, existing technologies and innovative approaches used in other industry sectors will be evaluated and adapted as needed to clean up DOE-EM sites, which will save money by requiring minimal research and development and potentially accelerate cleanup. Research and development will continue where appropriate for addressing the EM cleanup mission, particularly when basic phenomena are not adequately understood or there is a very high level of technical uncertainty. Early-stage applied research may lead to high-impact solutions and may also provide insight on ways to improve existing environmental processes and facility operations. As such, EM will continue its activities in early-stage applied research as it serves as basis for new technological development, deployment on mission-relevant work, and technology transfer and commercialization.

In FY 2026, EM will continue to develop solutions and technologies that enable work to be performed safer, with better quality, and more efficiently, while focused on site closure. Developed technologies serve to equip EM with advanced tools. These technologies improve quality, enhance environmental and facility operations, and reduce the environmental liability of legacy nuclear cleanup. They aim to enhance the worker, nuclear, facility, industry, and environmental safety. As the state-of-the-art in many other technological areas continues to advance, they offer alternatives or improvements to current baseline technologies.

Technology Development (PBS: HQ-TD-0100)

Activities and Explanation of Changes

FY 2025 Enacted	FY 2026 Request	Explanation of Changes - FY 2026 Request vs FY 2025 Enacted
\$35,569,000	\$16,012,000	-\$19,557,000
- Continue to provide technical assistance for the sites utilizing the technical subject matter experts that reside at DOE's national laboratories, academia, private industry, and other Federal agencies. - Continue to enhance and deploy technologies and workforce advancements in areas of worker safety, artificial intelligence, robotics, tank waste cleanup, soil/groundwater remediation, and facility deactivation, decommissioning, and decontamination. - Continue to support the National Spent Nuclear Fuel Program to address issues related to storing, transporting, processing, and disposing of Department-owned and managed spent nuclear fuel. - Continue to support work associated with qualification, testing and research to advance the state-of-the-art containment ventilation systems (clean air technologies). - Develop new and maintain current interagency agreements to maintain effective cross-agency collaboration and efficient use of available off-the-shelf technologies.	- Continue incremental technology development activities and applied research to enhance the efficiency of operations and schedule, improve worker environmental protection and safety, and improve overall mission performance. - Continue high-impact and disruptive technology development activities, including alternatives to baseline technologies that leverage advancements in the current state of the art and capitalize on the availability of new solutions. - Continue providing technical assistance to EM field sites, as reduced funding allows, utilizing technical subject matter experts in DOE's national laboratories, academia, private industry, and other Federal agencies. - Continue incremental qualification, testing, and research to advance state-of-the-art containment ventilation systems and related technologies.	Decrease is attributed to planned scope of work in FY 2026 across the EM complex related to technology development activities, technical assistance, and enhancement and deployment of technologies.

Safeguards and Security – HQ Cyber Activities (PBS: HQ-0020)

Overview

This PBS can be found within the Defense Environmental Cleanup appropriation.

The Headquarters Safeguards and Security supports activities associated with the Mission Information Protection Program.

EM’s Mission Information Protection Program delivers a cybersecurity oversight program for the EM Complex and a portion of the funding for the renewal of software and hardware and implementation of shared, enterprise cybersecurity solutions for EM information systems and operational technology/industrial control systems. The Mission Information Protection Program provides cybersecurity subject matter experts, information sharing and analysis processes, and best-in-class, enterprise cybersecurity technology solutions that provide governance and oversight for EM headquarters and field sites to better identify, protect, detect, and respond to potential threats in near real-time, providing assurance that as EM pursues its mission of cleaning up the nation's nuclear legacy, its information is secure, communications are not compromised, risks to data and system infiltrations are mitigated, and to meet some compliance requirements (e.g., E.O. 14028 and 14144).

Safeguards and Security - Cybersecurity (PBS: HQ-0020)

Activities and Explanation of Changes

FY 2025 Enacted	FY 2026 Request	Explanation of Changes - FY 2026 Request vs FY 2025 Enacted
\$21,089,000	\$11,000,000	-\$10,089,000
Maintain enterprise security level by renewing software licenses, refreshing hardware, and providing oversight.	Maintain enterprise security level by renewing software licenses, refreshing hardware, and providing oversight.	Decrease in funding will continue to support the cybersecurity oversight program for the EM Complex and a portion of the funding for the renewal of software and hardware and implementation of shared, enterprise cybersecurity solutions for information systems and operational technology/industrial control systems. The EM field sites will fund their own software and hardware renewals and implementations of cybersecurity requirements within their Safeguards and Security funding.

Management and Storage of Elemental Mercury (PBS: HQ-MSF-0100)

Overview

This PBS can be found within the Defense Environmental Cleanup appropriation.

In accordance with 42 U.S.C. 6939f, DOE is directed to designate and operate a facility or facilities for the purpose of long-term management and storage of elemental mercury generated within the United States.

Management and Storage of Elemental Mercury (PBS: HQ-MSF-0100)

Activities and Explanation of Changes

FY 2025 Enacted	FY 2026 Request	Explanation of Changes - FY 2026 Request vs FY 2025 Enacted
\$5,000,000	\$0	-\$5,000,000
Arrange for receipt at Waste Control Specialists of 112 metric tons of elemental mercury from Nevada Gold Mines. Pursue a legal path for treatment and disposal of elemental mercury.	Accept and store 112 metric tons of mercury at Waste Control Specialists. Continue Fee Rule development and work towards a disposition pathway that will save the cost of storing mercury in perpetuity.	Decrease due to time needed to legally consider treatment and disposal in the Fee Rule.

Uranium/Thorium Reimbursements (PBS: HQ-UR-0100)

Overview

The Office of Environmental Management implements DOE’s statutory responsibilities pursuant to Title X of the Energy Policy Act of 1992, Public Law 102-486, as amended, and 10 CFR Part 765. This Title X Program includes reimbursements to uranium and thorium processing site licenses for the portion of environmental cleanup costs attributable to nuclear material sold to the federal government during the Cold War Era. Title X authorizes the Department to reimburse eligible costs to licensees. The Department will conduct financial reviews to ensure eligible costs have been submitted to the Department by Title X licenses.

The intent of Title X is to reimburse eligible costs previously incurred by licensees and does not relieve licensees of their liability to complete environmental restoration of their former mill sites. Through February 2025, four of the fourteen sites have completed remediation and have transferred their disposal facilities to DOE for long-term stewardship. One site, Moab, was transferred to DOE by Public Law 106-398 and is no longer within the Title X program. Nine sites have continuing remediation programs. [1]

[1] DOE has fulfilled its reimbursement obligation to three of the nine sites, Dawn Mining Company, Rio Algom Mining LLC, and West Chicago Environmental Response Trust. These companies will continue to complete their remediation efforts.

Reimbursements to Uranium/Thorium Licensees (PBS: HQ-UR-0100)

Activities and Explanation of Changes

FY 2025 Enacted	FY 2026 Request	Explanation of Changes - FY 2026 Request vs FY 2025 Enacted
\$0	\$5,115,000	+\$5,115,000
- Continue to implement statutorily required program to reimburse eligible uranium and thorium licenses for a portion of remediation costs attributable to nuclear material sold to the federal government during the Cold War Era. - Continue to provide payment to licensees of approved claims for FY 2024 and prior.	- Continue to implement statutorily required program to reimburse eligible uranium and thorium licensees for a portion of remediation costs attributable to nuclear material sold to the federal government during the Cold War Era. - Continue to provide payment to licensees of approved claims for FY 2025 and prior.	Increase supports all FY 2025 and prior year claims.

Title X of the Energy Policy Act of 1992: Uranium/Thorium Reimbursement Program
Status of Payments through Fiscal Year 2024 and Estimated Maximum Program Liability

(\$ Thousands)

	Total Payments FY 1994- FY 2024	Approved but Unpaid Claim Balances After FY 2024 Payments	Maximum Remaining Program Liability Including Estimated Costs in Approved Plans for Subsequent Remedial Action
<u>Licensees</u>			
Uranium			
American Nuclear Corp. Site			
American Nuclear Corporation	820	0	0
State of Wyoming	1,485	0	799
Atlantic Richfield Company ^a	32,306	0	0
Atlas Corporation/Moab Mill Reclamation Trust ^a	9,694	0	0
Cotter Corporation/Colorado Legacy Land	5,306	256	1,897
Dawn Mining Company	19,151	0	0
Homestake Mining Company	113,661	3,499	40,375
Pathfinder Mines Corporation/Areva/Orano	10,790	0	369
Petrotomics Company ^a	2,850	0	0
Rio Algom Mining LLC ^b	48,081	0	0
Tennessee Valley Authority	25,130	0	0
Umetco Minerals Corporation-CO	75,522	5,087	17,392
Umetco Minerals Corporation-WY	26,106	131	1,023
Western Nuclear, Incorporated	33,636	0	0
Subtotal, Uranium	404,538	8,973	61,855
Thorium			
West Chicago ^c	399,652	0	0
Subtotal, Thorium	399,652	0	0
Total, Uranium and Thorium	804,190	8,973	61,855

^a Reimbursements have been completed to Atlantic Richfield Company, Dawn Mining, the licenses of the Moab site, Petrochemicals Company, Rio Algom LLC, West Chicago Environmental Trust, and the Western Nuclear, Inc. site.

^b Formerly Quivira Mining Company.

^c Includes former licenses, Kerr-McGee Chemical Corp. & Tronox, LLC. Effective 2011, the thorium site license was transferred to the West Chicago Environmental Response Trust. The thorium site reimbursement has reached its authority allowed under Title X.

Program Direction

Overview

EM is responsible for the safe cleanup of the environment resulting from decades of nuclear weapons production and government-sponsored nuclear energy research. This mission is carried out largely by a contractor workforce. However, various functions are inherently governmental (e.g., program management, contract oversight and administration, budget formulation and execution, and interagency and international coordination) requiring a dedicated Federal workforce. The Program Direction account provides the resources necessary for the federal workforce to oversee the overall direction and administrative support of the EM program, including both Headquarters and field personnel.

Highlights of the FY 2026 Budget Request

EM's ability to ensure its programs are staffed with the appropriate expertise to meet mission requirements efficiently and effectively. The Federal workforce provides leadership, establishes and implements policy, conducts analyses, and integrates activities across EM sites. In the field, Federal staff oversee daily operations; manage projects at DOE facilities; and monitor contractor, construction, and test activities. In FY 2026, EM will continue to fund its critical travel, training, and contractor support to ensure the Federal workforce can effectively carry out its responsibilities.

EM will also leverage three key programs (Pathways, Interns, Scholars) to recruit mission critical talent at the journey level (lower grade) to mitigate the risk of future talent loss and create a strong pipeline of highly qualified candidates to support EM's unique current and future workforce needs. These programs, along with other workforce development strategies, will help ensure EM's mission and goals are supported by a skilled and qualified workforce.

The FY 2026 request includes funding for 32 additional positions, which includes 30 within the Office of the Chief Human Capital Officer and 2 within the Office of General Counsel, which is not reflected in the current staffing plan.

The Request also accounts for 300 retirees on December 31, 2025. Within Salaries and Benefits, a lump sum payout of approximately \$13,000,000 is included related to annual leave and compensatory time, as well as \$5,000,000 for anticipated expenditures related to permanent change of station moves for remote employees outside 50 miles of a DOE site.

This request also includes the transfer of full-time equivalents associated with the landlord transition of the Savannah River Site from EM to the National Nuclear Security Administration.

Program Direction Summary

Funding (\$K)

	FY2024 Enacted	FY2025 Enacted	FY2026 Request	FY 2026 Request vs FY 2025 Enacted \$	FY 2026 Request vs FY 2025 Enacted (%)
Carlsbad					
Salaries and Benefits	10,554	15,012	10,809	-4,203	-28%
Travel	476	510	365	-145	-28%
Support Services	984	614	921	+307	+50%
Other Related Expenses	454	1,244	1,337	+93	+7%
Total, Carlsbad	12,468	17,380	13,432	-3,948	-23%
Idaho					
Salaries and Benefits	8,702	9,249	7,679	-1,570	-17%
Travel	232	320	264	-56	-18%
Support Services	608	500	750	+250	+50%
Other Related Expenses	65	725	779	+54	+7%
Total, Idaho	9,607	10,794	9,472	-1,322	-12%
Oak Ridge					
Salaries and Benefits	13,988	14,549	12,505	-2,044	-14%
Travel	151	170	145	-25	-15%
Support Services	1,730	2,357	2,828	+471	+20%

Other Related Expenses	1,687	1,795	1,930	+135	+8%
Total, Oak Ridge	17,556	18,871	17,408	-1,463	-8%

Portsmouth/Paducah Project Office

Salaries and Benefits	11,546	12,186	9,964	-2,222	-18%
Travel	348	280	228	-52	-19%
Support Services	2,213	2,550	3,825	+1,275	+50%
Other Related Expenses	2,091	3,860	4,150	+290	+8%
Total, Portsmouth/Paducah Project Office	16,198	18,876	18,167	-709	-4%

Richland

Salaries and Benefits	33,502	41,820	30,567	-11,253	-27%
Travel	320	350	255	-95	-27%
Support Services	1,332	1,066	1,599	+533	+50%
Other Related Expenses	4,371	3,420	4,458	+1,038	+30%
Total, Richland	39,525	46,656	36,879	-9,777	-21%

River Protection

Salaries and Benefits	25,668	21,948	17,201	-4,747	-22%
Travel	269	300	234	-66	-22%
Support Services	871	803	1,209	+406	+51%
Other Related Expenses	3,218	2,120	3,282	+1,162	+55%
Total, River Protection	30,026	25,171	21,926	-3,245	-13%

Savannah River

Salaries and Benefits	40,026	27,833	26,043	-1,790	-6%
Travel	253	275	256	-19	-7%
Support Services	0	0	0	+0	0%
Other Related Expenses	2,038	2,332	2,507	+175	+8%
Total, Savannah River	42,317	30,440	28,806	-1,634	-5%

Small Sites

Salaries and Benefits	5,200	5,298	4,437	-861	-16%
Travel	119	125	104	-21	-17%
Support Services	488	550	660	+110	+20%
Other Related Expenses	548	515	554	+39	+8%
Total, Small Sites	6,355	6,488	5,755	-733	-11%

Nevada Site Office

Salaries and Benefits	2,463	2,508	2,327	-181	-7%
Travel	34	60	55	-5	-8%
Support Services	138	100	150	+50	+50%
Other Related Expenses	179	161	185	+24	+15%
Total, Nevada Site Office	2,814	2,829	2,717	-112	-4%

Los Alamos Site Office

Salaries and Benefits	4,955	7,529	5,113	-2,416	-32%
Travel	65	150	100	-50	-33%
Support Services	429	500	600	+100	+20%
Other Related Expenses	100	272	292	+20	+7%
Total, Los Alamos Site Office	5,549	8,451	6,105	-2,346	-28%

Field Sites

Salaries and Benefits	156,604	157,932	126,645	-31,287	-20%
Travel	2,267	2,540	2,006	-534	-21%
Support Services	8,793	9,040	12,542	+3,502	+39%
Other Related Expenses	14,751	16,444	19,474	+3,030	+18%
Total, Field Sites	182,415	185,956	160,667	-25,289	-14%

HQ Operations

Salaries and Benefits	69,523	71,505	82,064	+10,559	+15%
Travel	1,820	2,161	1,657	-504	-23%
Support Services	22,941	18,000	24,448	+6,448	+36%
Other Related Expenses	1,497	1,000	1,500	+500	+50%
Total, HQ Operations	95,781	92,666	109,669	+17,003	+18%

Headquarters Working Capital Fund

Other Related Expenses	11,146	11,146	11,146	+0	0%
------------------------	--------	--------	--------	----	----

Consolidated Business Center

Salaries and Benefits	32,188	31,360	24,943	-6,417	-20%
Travel	347	430	340	-90	-21%
Support Services	2,105	2,546	3,055	+509	+20%
Other Related Expenses	2,911	2,789	2,998	+209	+7%
Total, Consolidated Business Center	37,551	37,125	31,336	-5,789	-16%

Enviromental Management

Salaries and Benefits	258,315	260,797	233,652	-27,145	-10%
Travel	4,434	5,131	4,003	-1,128	-22%
Support Services	33,839	29,586	40,045	+10,459	+35%
Other Related Expenses	30,305	31,379	35,118	+3,739	+12%
Total, Enviromental Management	326,893	326,893	312,818	-14,075	-4%
Full Time Equivalents	1,280	1,225	1,000	-225	-18%

Support Services and Other Related Expenses

	FY 2024 Enacted	FY 2025 Enacted	FY 2026 Request	FY 2026 Request vs FY 2025 Enacted
Support Services				
Technical Support				
Feasibility of Design Considerations	2,579	2,520	3,000	+480
System Definition	72	64	100	+36
Economic and Environmental Analysis	4,266	3,153	5,500	+2,347
Test and Evaluation Studies	71	63	100	+37
Surveys or Reviews of Technical Operations	7,535	6,562	9,600	+3,038
Total, Technical Support	14,523	12,362	18,300	+5,938
Management Support				
Directives Management Studies	1,169	1,003	1,244	+241
Automatic Data Processing	5,086	4,545	5,545	+1,000
Training and Education	285	254	285	+31
Analysis of DOE Management Processes	2,178	1,946	2,000	+54
Reports and Analyses Management and General Administrative Support	10,598	9,476	12,671	+3,195
Total, Management Support	19,316	17,224	21,745	+4,521
Total, Support Services	33,839	29,586	40,045	+10,459

Other Related Expenses

	FY 2024 Enacted	FY 2025 Enacted	FY 2026 Request	FY 2026 Request vs FY 2025 Enacted
Rent to GSA	5,916	5,650	5,650	+0
Rent to Others	1,992	1,200	1,200	+0
Communication, Utilities, Misc.	1,936	2,514	2,700	+186
Printing and Reproduction	8	8	8	+0
Other Services	4,665	5,175	8,564	+3,389
Training	1,000	1,250	1,150	-100
Purchases from Gov. Accounts	100	100	100	+0
Operation and Maintenance of Equipment	336	312	500	+188
Supplies and Materials	250	500	500	+0
Equipment	2,956	3,524	3,600	+76
Working Capital Fund	11,146	11,146	11,146	-
Total, Other Related Expenses	30,305	31,379	35,118	+3,739

Program Direction (PBS: HQ-PD-0100)

Activities and Explanation of Changes

FY2025 Enacted		FY2026 Request	Explanation of Changes - FY 2026 Request vs FY 2025 Enacted
\$326,893,000		\$312,818,000	-\$14,075,000
Salaries and Benefits		\$260,797,000	\$233,652,000
			-\$27,145,000
Supports Federal salaries and benefits for EM's full-time equivalent level.		Supports Federal salaries and benefits for EM's full-time equivalent level.	Decrease is based on projected payroll requirements and includes lump sum payouts for the Deferred Resignation Program.
Travel		\$5,131,000	\$4,003,000
			-\$1,128,000
Supports costs of transportation of persons, subsistence of travelers, incidental travel expenses, as well as funding to support permanent change of duty station in accordance with federal travel regulations. In addition, travel costs associated for detail assignments at EM sites and training and participation at professional conferences.		The Request funds costs of transportation of persons, subsistence of travelers, incidental travel expenses, as well as funding to support permanent change of duty station in accordance with federal travel regulations. In addition, travel costs associated for detail assignments at EM sites.	Decrease supports a lower full-time equivalent level and will fund mission critical travel.
Support Services		\$29,586,000	\$40,045,000
			+\$10,459,000
Supports services in the areas of administrative, procurement and human capital support; technical oversight support; information technology to support new systems; operation and maintenance of equipment; and operation and maintenance of facilities occupied by EM staff.		The Request will fund services in the areas of administrative, procurement and human capital support; technical oversight support; information technology to support modernization of current systems; operation and maintenance of equipment; and	Increase provides the resources toward implementing information technology modernization procurement of new hardware/software to refresh end of life infrastructure. Also provides expertise of critical services necessary to expand EM's cleanup mission.

operation and maintenance of facilities
occupied by EM staff.

Other Related Expenses	\$31,379,000	\$35,118,000	+\$3,739,000
Funds fixed requirements associated with rent, utilities, and telecommunications; building and grounds maintenance; computer/video maintenance and support; information technology equipment leases, purchases, and maintenance.	The Request will fund fixed requirements associated with rent, utilities, and telecommunications; building and grounds maintenance; computer/video maintenance and support; information technology equipment leases, purchases, and maintenance.	Increase for cyber costs, information technology integration and upgrades, Federal moves and space adjustments due to return to work. Also supports system licenses.	

WCF Program Direction (PBS: HQ-PDWCF-0100)

Activities and Explanation of Changes

FY2025 Enacted	FY2026 Request	Explanation of Changes - FY 2026 Request vs FY 2025 Enacted
\$11,146,000	\$11,146,000	+\$0

Other Related Expenses	\$11,146,000	\$11,146,000	+\$0
-------------------------------	---------------------	---------------------	-------------

- | | | |
|--|---|--|
| <ul style="list-style-type: none"> Funds EM's share of the Working Capital Fund in Program Direction's other related expenses for services such as building occupancy, corporate business systems, corporate training services, health services, overseas presence, supply, and telecommunications. | <ul style="list-style-type: none"> The Request funds EM's share of the Working Capital Fund in Program Direction's other related expenses for services such as building occupancy, corporate business systems), corporate training services, health services, overseas presence, supply, and telecommunications. Funds new Human Resources Information Technology business line. | <ul style="list-style-type: none"> No change. |
|--|---|--|

Environmental Management Facilities Maintenance and Repair

The Department's Facilities Maintenance and Repair activities are tied to its programmatic missions, goals, and objectives. The Facilities Maintenance and Repair activities funded by this budget and displayed below are intended to halt asset condition degradation.

Costs for Direct-Funded Maintenance and Repair (including Deferred Maintenance Reduction) (\$K)

	FY 2024 Actual Cost	FY 2024 Planned Cost	FY 2025 Planned Cost	FY 2026 Planned Cost
Carlsbad	11,645	17,300	14,241	23,171
Idaho National Laboratory	39,557	36,633	39,728	48,050
Moab	195	549	563	574
Oak Ridge	68,155	66,310	67,835	62,829
Pacific Northwest National Laboratory	0	0	0	0
Paducah	31,699	35,686	30,294	32,022
Portsmouth	36,095	42,400	50,079	41,191
Richland Operations Office	86,618	220,200	220,200	253,800
Office of River Protection	152,788	158,476	154,300	213,200
Savannah River	381,272	203,277	219,608	278,080
Total, Direct-Funded Maintenance and Repair	808,024	780,831	796,848	952,917

Costs for Indirect-Funded Maintenance and Repair (including Deferred Maintenance Reduction) (\$K)

	FY 2024 Actual Cost	FY 2024 Planned Cost	FY 2025 Planned Cost	FY 2026 Planned Cost
Carlsbad	0	0	0	0
Idaho National Laboratory	0	0	0	0
Moab	0	0	0	0
Oak Ridge	0	0	0	0
Pacific Northwest National Laboratory	14,164	12,628	16,429	16,429
Paducah	0	0	0	0
Portsmouth	0	0	0	0
Richland Operations Office	0	0	0	0
Office of River Protection	0	0	0	0
Savannah River	65,045	49,108	61,999	0 ^a
Total, Indirect-Funded Maintenance and Repair	79,209	61,736	78,428	16,429

^a Pending final approval of the transfer to NNSA

Safeguards and Security by Activity (\$K)

	FY 2024 Enacted	FY 2025 Enacted	FY 2026 Request	FY 2026 Request vs FY 2025 Enacted	FY 2026 Request vs FY 2025 Enacted (%)
Carlsbad					
Protective Forces	4,362	6,956	3,635	-3,321	-48%
Physical Security Systems	704	1,126	849	-277	-25%
Security Investigations	61	100	75	-25	-25%
Program Management	257	430	324	-106	-25%
Subtotal, Carlsbad	5,384	8,612	4,883	-3,729	-43%
Cyber Security	4,903	6,697	6,467	-230	-3%
Total, Carlsbad	10,287	15,309	11,350	-3,959	-26%
Oak Ridge					
Protective Forces	4,085	4,100	4,100	+0	+0%
Physical Security Systems	3,025	3,030	3,030	+0	+0%
Information Security	935	915	915	+0	+0%
Personnel Security	650	655	655	+0	+0%
Security Investigations	235	240	240	+0	+0%
Material Control and Accountability	455	445	445	+0	+0%
Program Management	520	525	525	+0	+0%
Subtotal, Oak Ridge	9,905	9,910	9,910	+0	+0%
Cyber Security	4,095	4,090	7,090	3,000	73%
Total, Oak Ridge	14,000	14,000	17,000	3,000	21%
Paducah					
Protective Forces	5,451	4,603	4,265	-338	-7%
Physical Security Systems	935	1,171	1,995	824	+70%
Information Security	568	2,650	2,206	-444	-17%
Personnel Security	654	582	596	14	+2%
Security Investigations	149	192	197	5	+3%
Material Control and Accountability	360	697	817	120	+17%
Security Infrastructure/Construction	3,258	1,188	1,595	407	+34%
Program Management	1,576	2,646	1,931	-715	-27%
Subtotal, Paducah	12,951	13,729	13,602	-127	-1%
Cyber Security	3,579	3,181	4,825	1,644	+52%

Environmental Management

FY 2026 Congressional Justification

	FY 2024 Enacted	FY 2025 Enacted	FY 2026 Request	FY 2026 Request vs FY 2025 Enacted	FY 2026 Request vs FY 2025 Enacted (%)
Total, Paducah	16,530	16,910	18,427	1,517	+9%
Portsmouth					
Protective Forces	5,718	7,838	8,667	829	11%
Physical Security Systems	0	1,035	1,683	648	+63%
Information Security	473	1,331	467	-864	-65%
Personnel Security	1,662	871	877	6	+1%
Security Investigations	99	168	172	4	+2%
Material Control and Accountability	0	-	729	729	+0%
Security Infrastructure/Construction	3,343	0	0	0	+0%
Program Management	731	1,110	1,046	-64	-6%
Subtotal, Portsmouth	12,026	12,353	13,641	1,288	+10%
Cyber Security	5,338	5,410	5,590	180	+3%
Total, Portsmouth	17,364	17,763	19,231	1,468	+8%
Richland					
Protective Forces	62,301	65,300	66,414	1,114	+2%
Physical Security Systems	9,987	9,610	10,831	1,221	+13%
Information Security	1,392	1,700	2,189	489	+29%
Personnel Security	1,868	5,117	9,435	4,318	+84%
Security Investigations	940	1,057	1,348	291	+28%
Material Control and Accountability	1,012	1,777	3,122	1,345	+76%
Program Management	8,268	11,120	11,870	750	+7%
Subtotal, Richland	85,768	95,681	105,209	9,528	+10%
Cyber Security	14,898	24,085	24,584	499	+2%
Total, Richland	100,666	119,766	129,793	10,027	+8%
Savannah River					
Protective Forces	103,969	105,524	25,381	-80,143	-76%
Physical Security Systems	15,279	15,986	5,822	-10,164	-64%
Information Security	2,450	2,562	933	-1,629	-64%
Personnel Security	7,950	8,317	3,029	-5,288	-64%
Security Investigations	65	69	25	-44	-64%
Material Control and Accountability	5,199	5,439	1,981	-3,458	-64%
Security Infrastructure/Construction	0	0	0	0	+0%
Program Management	11,068	12,433	12,217	-216	-2%

Environmental Management

FY 2026 Congressional Justification

	FY 2024 Enacted	FY 2025 Enacted	FY 2026 Request	FY 2026 Request vs FY 2025 Enacted	FY 2026 Request vs FY 2025 Enacted (%)
Transportation	215	228	83	-145	-64%
Subtotal, Savannah River	146,195	150,558	49,471	-101,087	-67%
Cyber Security	16,738	19,442	23,655	4,213	+22%
Total, Savannah River	162,933	170,000	73,126	-96,874	-57%
Los Alamos National Laboratory					
Protective Forces	0	0	0	+0	+0%
Physical Security Systems	0	0	0	+0	+0%
Information Security	0	0	0	+0	+0%
Personnel Security	0	0	0	+0	+0%
Security Investigations	0	0	0	+0	+0%
Material Control and Accountability	0	0	0	+0	+0%
Security Infrastructure/Construction	0	0	0	+0	+0%
Program Management	0	0	0	+0	+0%
Subtotal, Los Alamos National Laboratory	0	0	0	+0	+0%
Cyber Security	5,000	5,000	956	-4,044	-81%
Total, Los Alamos National Laboratory	5,000	5,000	956	-4,044	-81%
Mission Support					
Program Management	0	0	0	+0	+0%
Subtotal, Mission Support	0	0	0	+0	+0%
Cyber Security	20,000	21,089	11,000	-10,089	-48%
Total, Mission Support	20,000	21,089	11,000	-10,089	-48%
West Valley Demonstration Project					
Protective Forces	5,235	6,239	5,466	-773	-12%
Program Management	274	729	617	-112	-15%
Subtotal, West Valley Demonstration Project	5,509	6,968	6,083	-885	-13%
Cyber Security	356	840	1,905	1,065	+127%
Total, West Valley Demonstration Project	5,865	7,808	7,988	180	+2%
Total, Safeguards and Security	352,645	387,645	288,871	-98,774	-25%

Safeguards and Security (\$K)

	FY 2024 Enacted	FY 2025 Enacted	FY 2026 Request	FY 2026 Request vs FY 2025 Enacted	FY 2026 Request vs FY 2025 Enacted (%)
Protective Forces	191,121	200,560	117,928	-82,632	-41%
Physical Security Systems	29,930	31,958	24,210	-7,748	-24%
Information Security	5,818	9,158	6,710	-2,448	-27%
Personnel Security	12,784	15,542	14,592	-950	-6%
Security Investigations	1,549	1,826	2,057	231	13%
Material Control and Accountability	7,026	8,358	7,094	-1,264	-15%
Security Infrastructure/Construction	6,601	1,188	1,595	407	34%
Program Management	22,694	28,993	28,530	-463	-2%
Transportation	215	228	83	-145	-64%
Subtotal, Safeguards and Security	277,738	297,811	202,799	-95,012	-32%
Cyber Security	74,907	89,834	86,072	-3,762	-4%
Total, Safeguards and Security	352,645	387,645	288,871	-98,774	-25%