



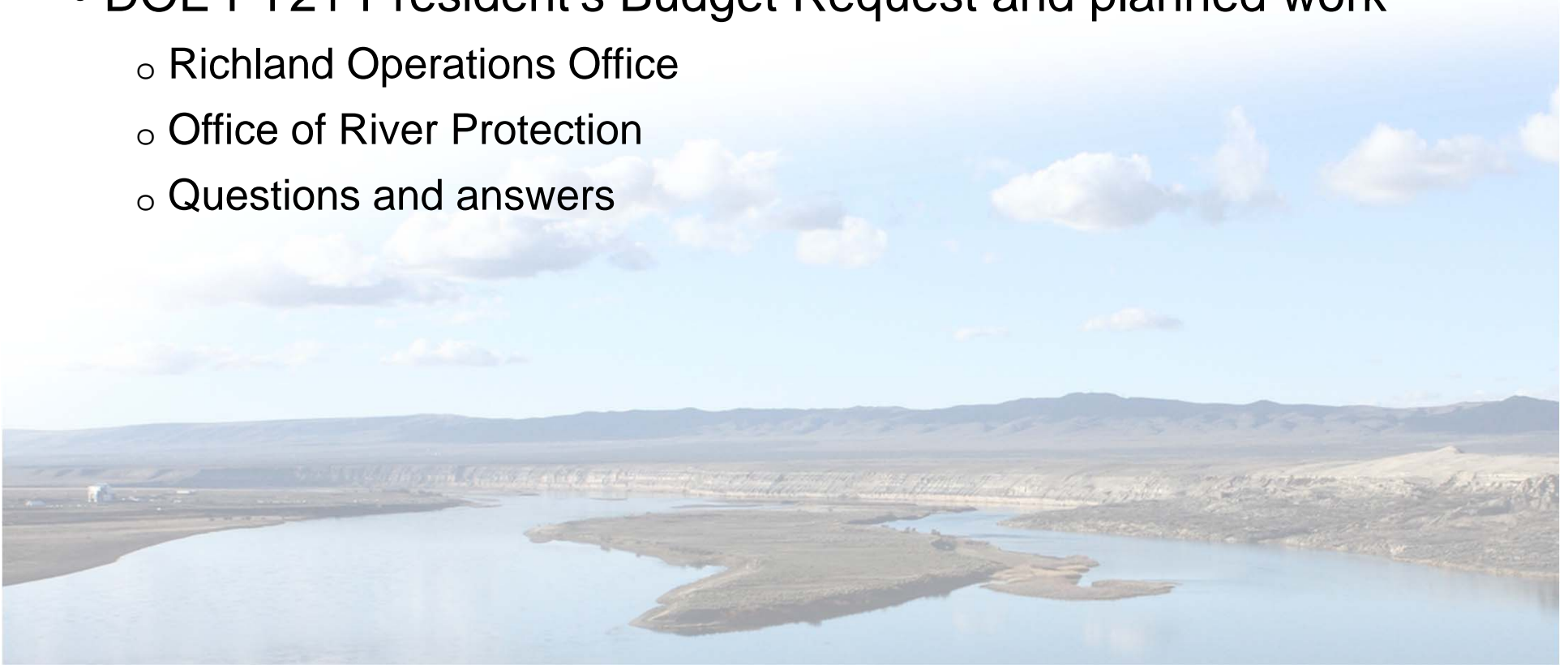
THE HANFORD SITE

Budget Overview for Fiscal Year 2021

Continuing Resolution Briefing

October 28, 2020

- DOE FY21 President's Budget Request and planned work
 - Richland Operations Office
 - Office of River Protection
 - Questions and answers



- Minimum-safe operations
- Direct-Feed Low-Activity Waste (DFLAW)
- Aging facility risk mitigation
- Critical infrastructure
- Double-shell tank space management
- Single-shell tank retrievals
- River Corridor clean-up
- Waste disposition, Cs/Sr dry storage
- Groundwater pump-and-treat actions
- Central Plateau clean-up
- Tank farm closure



A cocooned reactor near the Columbia River

Richland (\$655M)

- Provide minimum safe and essential services
- Provide critical infrastructure for Direct Feed Low-Activity Waste: Integrated Disposal Facility
- Conduct aging facility maintenance/risk mitigation
- Perform groundwater pump and treat operations focused along the Columbia River
- Provide site-wide services

(\$ in Thousands)

PBS	PBS Title	FY 2020 Enacted	FY 2021 Request
RL-0011	Nuclear Material Stabilization and Disposition – PFP	0	0
RL-0012	Spent Nuclear Fuel Stabilization and Disposition	0	0
RL-0013C	Solid Waste Stabilization and Disposition	176,855	138,900
RL-0030	Soil and Water Remediation – Groundwater / Vadose Zone	138,995	56,100
RL-0201	Hanford Sitewide Services	338,950	303,335
Central Plateau Remediation		654,800	498,335
RL-0040	Nuclear Facility D&D – Reminder of Hanford	102,427	24,949
RL-0041	Nuclear Facility D&D – River Corridor Closure Project	133,675	30,000
River Corridor and Other Cleanup Operations		236,102	54,949
RL-0013C	18-D-404 WESF Modifications and Capsule Storage	11,000	0
RL-0020	Safeguards and Security	86,778	96,300
RL-0042	Nuclear Facility D&D – Fast Flux Test Facility	2,500	2,500
RL-0100	Richland Community and Regulatory Support	10,121	2,500
Total	Richland Operations Office Funding Summary	1,001,301	654,584

Note: FY21 is currently funded with a CR thru 12/11/20, based on FY20 Enacted levels

RL TPA Milestones 2021 Status

PBS	Milestone Number	Title	Due Date	Status
RL-0030	M-015-112	Submit Draft B 200-IS-1 RFI/CMS/RI/FS Work Plan to Ecology with Schedule Dates	11/30/2020	In Abeyance
RL-0030	M-024-71	Complete the Construction of All Wells Listed for CY20 and Before	12/31/2020	On Schedule
RL-0040	M-016-250F	Submit to ECY a 3-Year Rolling Prioritized Schedule to Implement Waste Site Removal Actions	3/31/2021	On Schedule
RL-0013	M-026-01AE	Submit Hanford Land Disposal Restrictions Summary Report (for 2020)	4/30/2021	On Schedule
RL-0030	M-024-58N	Initiate Discussions of Well Commitments	6/1/2021	On Schedule
RL-0013	M-091-03O	Submit Revision of TRUM Waste and MLLW PMP to Ecology	6/30/2021	On Schedule
RL-0030	M-024-72-T01	Conclude Discussions of Well Commitments Initiated Under M-024-58	8/1/2021	On Schedule
RL-0030	M-015-97	Submit to Ecology the 100-OL-1 Operable Unit Feasibility Study Report	8/31/2021	On Schedule
RL-0041	M-016-85A	Complete Remote Excavation of 300-296 Waste Site	9/30/2021	At Risk
RL-0041	M-016-86	Complete Remedial Actions for 618-11 Burial Ground in accordance with DOE/RL-2014-13-ADD1	9/30/2021	At Risk
RL-0030	M-085-90	Submit Remedial Investigation/Feasibility Study Work Plan for 200-CR-1 to EPA	9/30/2021	In Abeyance

Office of River Protection (\$1,258M)

- Provide minimum safe and essential services
- Direct-Feed, Low-Activity Waste – continue construction, startup and commissioning activities related to DFLAW and its facilities
- Continue Effluent Treatment Facility process liquid waste, upgrades and construction to support DFLAW
- Support 222-S Laboratory operations and upgrades supporting tank farms and Direct Feed Low-Activity Waste
- Perform facility preservation activities for High Level Waste/Pretreatment facility using prior year funds
- Continue progress toward important cleanup required by the Amended Consent Decree and Tri-Party Agreement
- Complete construction and initiate tank-side cesium removal operations using prior year funds
- Continue construction and upgrades to the AP Tank Farms using prior year funds

ORP Budget Profile

(\$ in Thousands)

PBS	PBS Title	FY 2020 Enacted	FY 2021 Request
ORP-0014	Radioactive Liquid Tank Waste Stabilization and Disposition	775,000	597,757
ORP-0014	15-D-409, Low-Activity Waste Pretreatment System	0	0
ORP-0014A	LLW Offsite Disposal	10,000	0
Tank Farms		785,000	597,757
ORP-0060	LBL/Direct-Feed LAW	776,000	609,924
ORP-0060	High-Level Waste Facility	25,000	0
ORP-0060	Pretreatment Facility	15,000	0
Waste Treatment and Immobilization Plant (WTP)		816,000	609,924
ORP-0070	WTP Commissioning	15,000	50,000
Total	Office of River Protection Funding Summary	1,616,000	1,257,681

Note: FY21 is currently funded with a CR thru 12/11/20, based on FY20 Enacted levels

ORP TPA Milestones 2021 Status

PBS	Milestone Number	Title	Due Date	Status
ORP-0014	M-062-40H	Submit System Plan to Ecology	10/31/2020	On Schedule
ORP-0060	D-00A-07	LAW Facility Construction Substantially Complete	12/31/2020	Amendment Proposed
ORP-0014	M-062-50	Submit to Ecology as a Secondary Document, a Mass Balance Flow	1/30/2021	On Schedule
ORP-0014	M-090-14	Submit CD-1 for Facility to Store Spent Ion Exchange Columns Prior to DFLAW	3/31/2021	On Schedule
ORP-0014	M-062-33-T01	Complete Construction of Supplemental Treatment Vitrification Facility and/or WTP Enhancements	4/30/2021	Dispute Resolution
ORP-0014	M-062-45-A	Complete Negotiations 6-Months After Last Issuance of System Plan	4/30/2021	On Schedule
ORP-0014	D-16B-03	Of the 12 SSTs Referred to in B-1 and B-2, Complete Retrieval of Tank Wastes in at Least 5	6/30/2021	Amendment Proposed
ORP-0014	M-045-91E4	Provide SST Farms Dome Deflection Surveys Every 2 Years to Ecology	9/30/2021	On Schedule
ORP-0014	M-045-97	Submit to Ecology a WMA Integration Study for WMA A/AX as a Primary Document	9/30/2021	On Schedule

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Hanford Site FY2021 Budget Overview Briefing

October 28, 2020

ATTENDEE LIST

<u>Name</u>	<u>Organization</u>
Brasher, Stephanie	MSA
Cline, Michael	DOE
Coronado, Mark	DOE
Davis, Scott	MSA
Einan, Dave	EPA
French, Mark	DOE
Gowami, Dib	Ecology
Hamel, Bill	DOE
Harkins, Brian	DOE
Higgins, Kathy	DOE
McDonald, Dan	Ecology
Price, John	Ecology
Riddle, Jacob	DOE
Turner, Michael	MSA
Valverde, Gaybrielle	DOE
Welsch, Kim	Ecology