



# THE HANFORD SITE

## 2019 Hanford Lifecycle Scope, Schedule, and Cost Report

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Tri-Party Agreement Milestone M-036-011 requires submission to regulators of the *Hanford Lifecycle Scope, Schedule, and Cost Report*

- Supports discussions with the U.S. Environmental Protection Agency and U.S. Department of Ecology on how & when the U.S. Department of Energy (DOE) will complete cleanup; how milestone changes might affect lifecycle scope, schedule, and cost
- For planning purposes only; costs are estimates, shown are in escalated 2019 dollars
- 2016 report estimated the “to-go cost” to be ~\$108 billion (includes baseline for tank farms and the Waste Treatment and Immobilization Plant)

# 2019 Lifecycle Numbers

| Project Work Scope  | 2016 Estimated Cleanup Costs (Billion \$) | 2019 Estimated Cleanup Costs (Billion \$) |
|---|---|---|
| <b>RL Total Remaining Estimated Costs</b>   | -   | <b>\$83.3-\$128.6</b>                     |
| NM Stabilization and Disposition - PFP (PBS RL 0011)                                  | \$0.3 - \$0.4                             | \$0*                                      |
| SNF Stabilization and Disposition (PBS RL 0012)                                       | \$0.3                                     | \$0**                                     |
| Solid Waste Stabilization and Disposition - 200 Area (PBS RL-0013C)                   | \$5.8 - \$6.0                             | \$11.5 - \$15.1                           |
| Safeguards and Security (PBS RL-0020)   | \$5.1                                     | \$10.1 - \$23.9                           |
| Soil and Water Remediation – Groundwater / Vadose Zone (PBS RL-0030)                  | \$5.8 - \$6.1                             | \$9.6 - \$10.5                            |
| Nuclear Facility D&D - Remainder of Hanford (PBS RL-0040)                             | \$12.6 - \$16.0                           | \$20.6 - \$26.8                           |
| Infrastructure/Site-wide Services (PBS RL-0040)                                       | \$9.0                                     | N/A                                       |
| Nuclear Facility D&D - River Corridor Closure Project (PBS RL-0041)                   | \$1.0                                     | \$1.8 - \$2.0                             |
| Nuclear Facility D&D - Fast Flux Test Facility Project (PBS RL-0042)                  | \$.07-\$.08                               | \$1.0 - \$1.1                             |
| Richland Community and Regulatory Support (PBS RL-0100)                               | \$1.2                                     | \$1.1 - \$1.7                             |
| Hanford Sitewide Services (PBS RL-0201)   | N/A                                       | \$20.4 - \$32.8                           |
| Long-Term Stewardship (PBS RL-LTS)  | \$4.8                                     | \$5.2 - \$12.7                            |
| Final Reactor Disposition   | \$1.9                                     | \$1.9                                     |
| <b>ORP Total Remaining Estimated Costs</b>  | -   | <b>\$239.9-\$548.4</b>                    |
| Radioactive Liquid Tank Waste Stabilization and Disposition (PBS ORP-0014)            | \$53.5                                    | \$221.4 - \$518.1                         |
| Major Construction – Waste Treatment and Immobilization Plant (PBS ORP- 0060)         | \$1.5                                     | \$18.5 - \$30.3                           |
| Waste Treatment Plant Operations (PBS ORP-0070)                                       | N/A                                       | \$0***                                    |
| <b>DOE-Office of Environmental Management Total Remaining Estimated Cleanup Costs</b> | <b>\$103.5-\$107.7</b>                    | <b>\$323.2-\$677.0</b>                    |

\* Includes \$46.2 million in FY19 only

\*\* includes \$18.9 million in FY19 and FY20 only

\*\*\* Includes \$30 million in FY19 and FY20 only; WTP operational costs are currently in PBS ORP-0014 and will be shown separately in PBS ORP-0070 in future reports

## The Lifecycle Report does:

- Provide project scope, schedule and cost from 2019-2095 for DOE Hanford
- Show the remaining estimated cleanup cost for projects
- Include post closure long-term stewardship/institutional controls, safeguards and security, pension costs, community and regulator agency support, and mission support services
- Include regulatory documentation of site cleanup decisions
- Include actual budget appropriated in fiscal year 2019, and future cost estimates that support compliance

## The Lifecycle Report does not:

- Include DOE operating budget or Tribal Grants
- Identify prime contracts
- Show workforce or full time equivalent estimates

Questions?