



Hanford Site Outlook

2015 Tri-Cities Regional Economic Outlook

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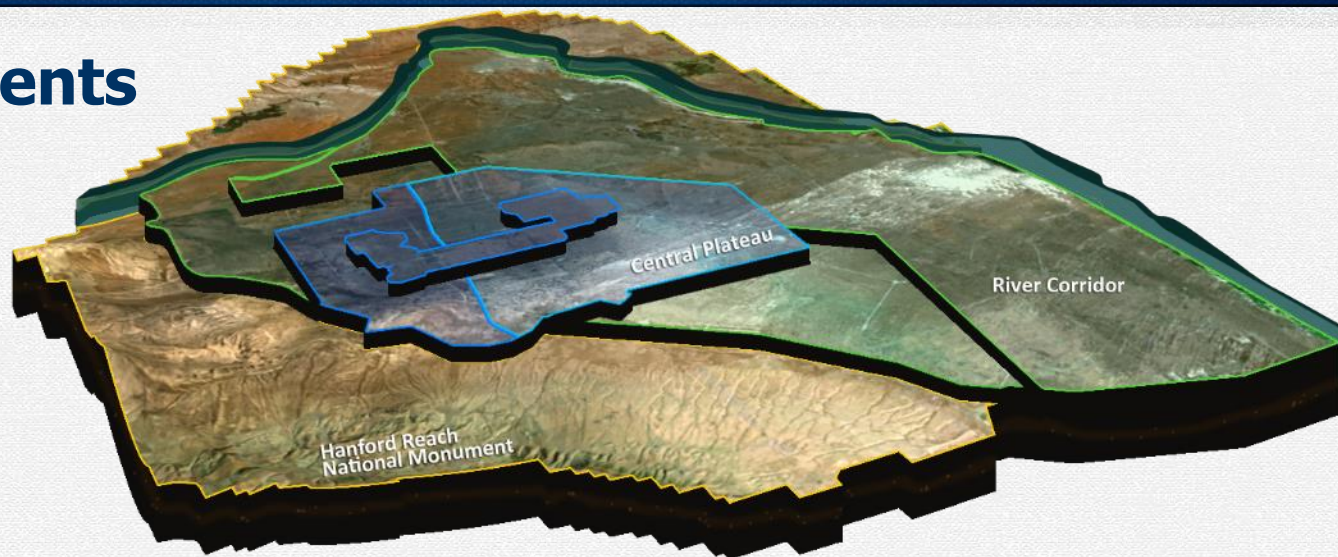
Jan. 20, 2016



Hanford Cleanup Overview

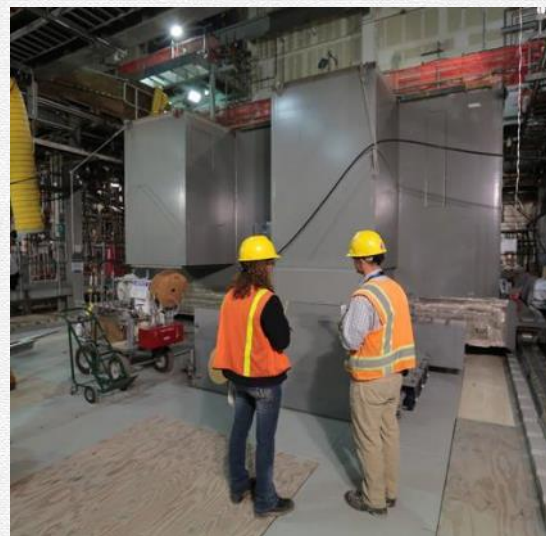
Three components

- Tank Waste
- Central Plateau
- River Corridor



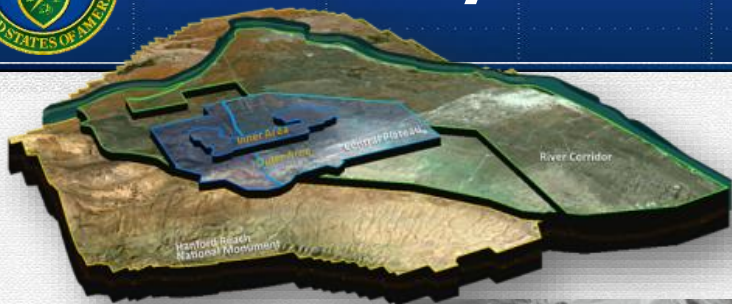
Cleanup work

- Empty underground tank waste
- Treat waste for safe disposal
- Treat contaminated groundwater
- Demolish facilities
- Remove buried waste, contaminated soil near Columbia for safe disposal away from the river





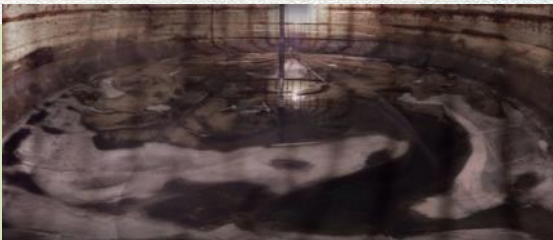
By The Numbers – Office of River Protection



2.5
million gallons of
waste retrieved from
underground storage tanks



15 single-shell
tanks retrieved
to regulatory
standards



1.9M
gallons tank space created in
double-shell tanks during 242-A
Evaporator campaigns in 2015



1.54
million gallons of
waste retrieved
from C Farm tanks

68
million – gallons of liquid
removed from DSTs since the
242-A Evaporator began
operations in 1977



1.083
million gallons of
waste retrieved
from S Farm tanks



65 Acres – the size of the
WTP complex, which
requires 263,000 cubic
yards of concrete, 41,000
tons of structural steel,
900,000 feet of piping
among other materials





By The Numbers – Richland Operations Office

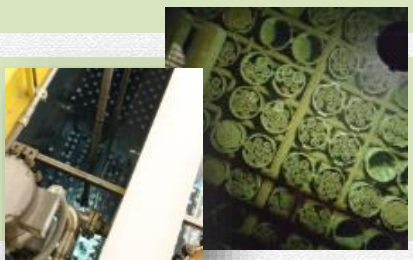


SIX of Hanford's nine reactors have been "cocooned"



TWO more reactors will be cocooned in the coming years

100 percent of the site's spent fuel has been moved to dry storage



13 billion gallons of contaminated groundwater have been treated

1,291

waste sites have been remediated



12K

cubic meters of underground waste have been removed

60K

visitors have toured the B Reactor National Historic Landmark



850

facilities have been demolished





Office of River Protection Progress

- Completed 15th SST retrieval with tank C-102
- 1.9M gallons of space created with evaporator use
- Implemented Direct Feed Low Activity Waste path forward
- Resumed production engineering at High Level Waste facility
- Implemented plan to improve worker safety at tank farms
- ~3,000 gallons of water evaporated from tank T-111





Richland Operations Office Progress

- Removed 52 pencil-shaped tanks from Plutonium Finishing Plant
- McCluskey Room glovebox removal
- ~2.4 billion gallons of groundwater treated
- Completed chromium cleanup along Columbia River
- River Corridor ahead of schedule, under budget!





Hanford Prime Contracts



River Corridor Closure RCC

Closure of approximately 220 sq miles of the Hanford Site along the Columbia River

Total Contract Value:
\$2.9B

- Cost plus incentive fee contract
- Target fee is \$173M
- Maximum schedule performance incentive fee is \$40M



Plateau Remediation Contract PRC

Facility and waste site cleanup groundwater remediation and waste disposal

Total Contract Value:
\$5.8B

Contract Term: 5 year with 5 year option

- Total contract fee \$233M
- Cost plus award fee based on an annual fee determination composed primarily of multi-year project activities
- \$1.3B in ARRA funds added to the contract



Mission Support Contract MSC

Cost-effective infrastructure and site services to support the cleanup mission

Total Contract Value:
\$3.6B

Contract Term: 5 year with 2 and 3 year option

- Total Contract Fee: \$20M
- Cost plus award fee with annual performance incentives; 70% quantitative, 30% qualitative



Bechtel National Inc. BNI

Design, Construction, and Commissioning of the Hanford Tank Waste Treatment & Immobilization Plant (WTP)

Total Contract Value:
\$11.4B

- Cost-Plus Award-Fee with Award and Multiple Fee Incentives
- Total Maximum Available Fee \$600M



Washington River Protection Solutions WRPS

Tank Operations Contract
Monitor and manage the 177 underground storage tanks at Hanford, prepare for and provide waste fee delivery to the WTP.

Total Contract Value:
\$5.9B

Contract Term: 5 year with 3 and 2 year options

- Total contract fee: \$286M
- Cost plus award fee with annual award fee performance measure and multi-year performance incentives; 95% quantitative, 5% qualitative





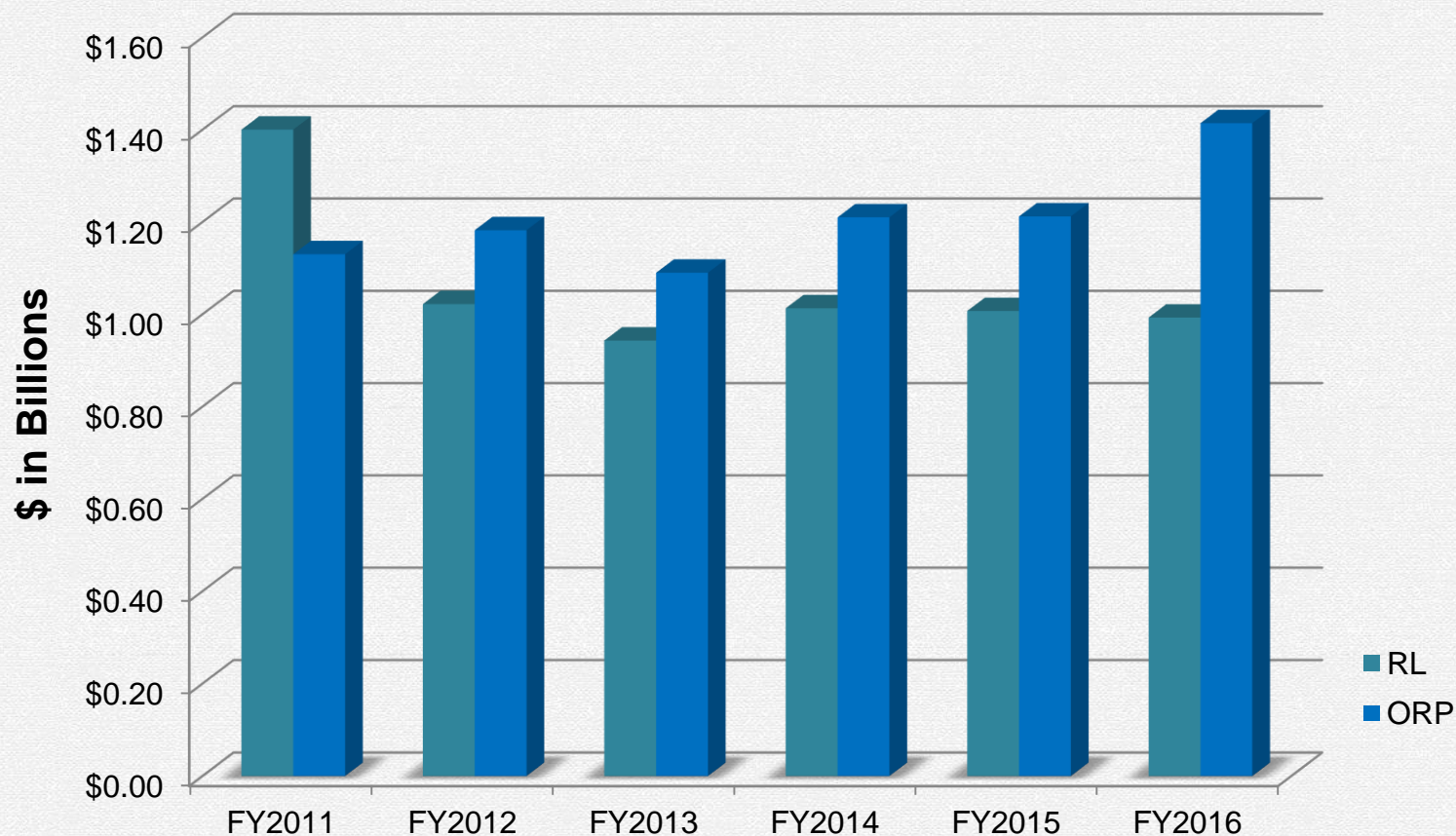
Economic Benefits to Washington

- Hanford Site budget is about \$2.3 billion per year
- DOE prime contractors reported \$720 million of subcontracting in fiscal year 2015
- 9,305 total DOE federal and contractor employees Budget outlook
 - Continued need for cleanup at current funding levels in foreseeable future
 - Cleanup mission continues to 2050-2060





Hanford Budget: Recent History and Current



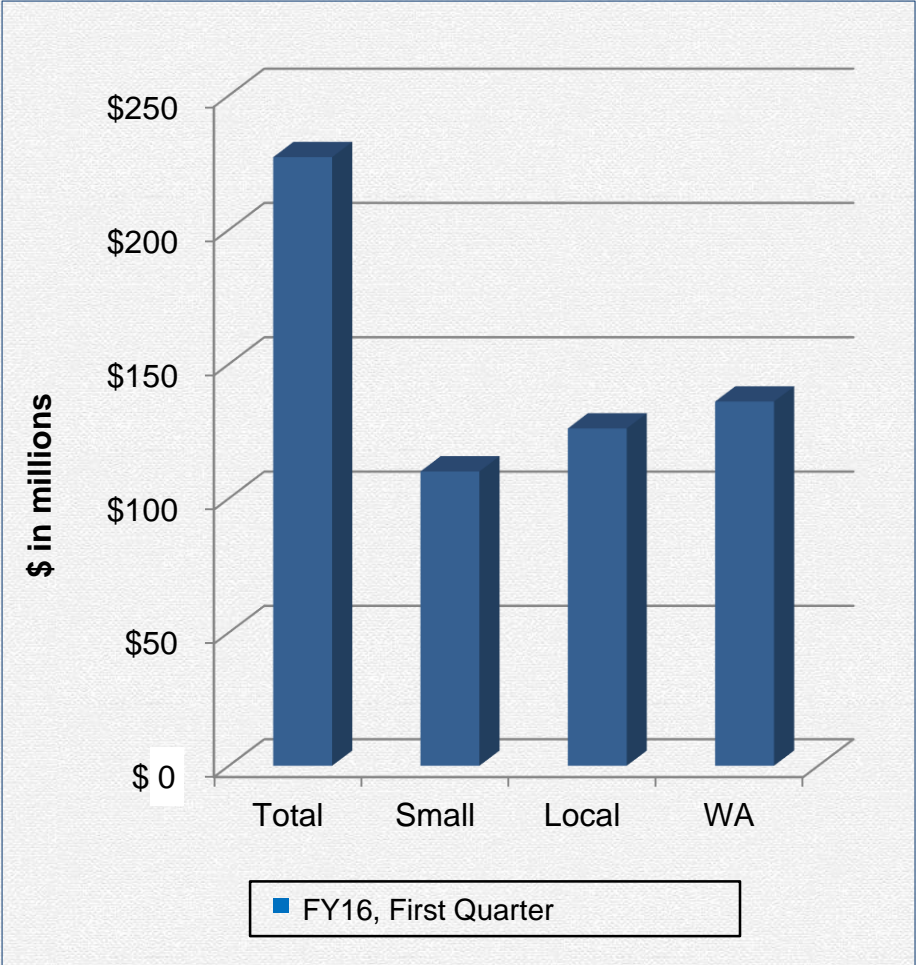


Hanford Subcontracts

Hanford Subcontract Spending in Previous Fiscal Years



Hanford Subcontracts, First Quarter, FY2016





Hanford Subcontracts – Local Spending

Hanford looks to local, state businesses first for subcontracts. These can include:

- Bottled gases
 - Construction equipment
 - Business supplies
 - Copy and printing services
 - Electrical supplies
 - Recycling & shredding services
 - Safety equipment & supplies
 - Small tools & equipment
 - Promotional items
 - HVAC supplies
 - Ground fuel
 - Metal fabrication services
 - Administrative support
 - Technical support
 - Vehicle maintenance & repair
 - Portable toilet services
- And more!**





Manhattan Project National Historical Park

- Nation's newest National Park created Nov. 10, 2015
- DOE and NPS jointly manage the park and will work closely on all aspects of planning and implementation
- DOE's primary role is to preserve and provide access to historic resources related to the Manhattan Project
- Park Foundation Document to be completed in 2016 – one of several planning elements for the new park
- 2016 tours to look much like 2015





Manhattan Nat'l Park – Eligible Hanford Facilities



B Reactor

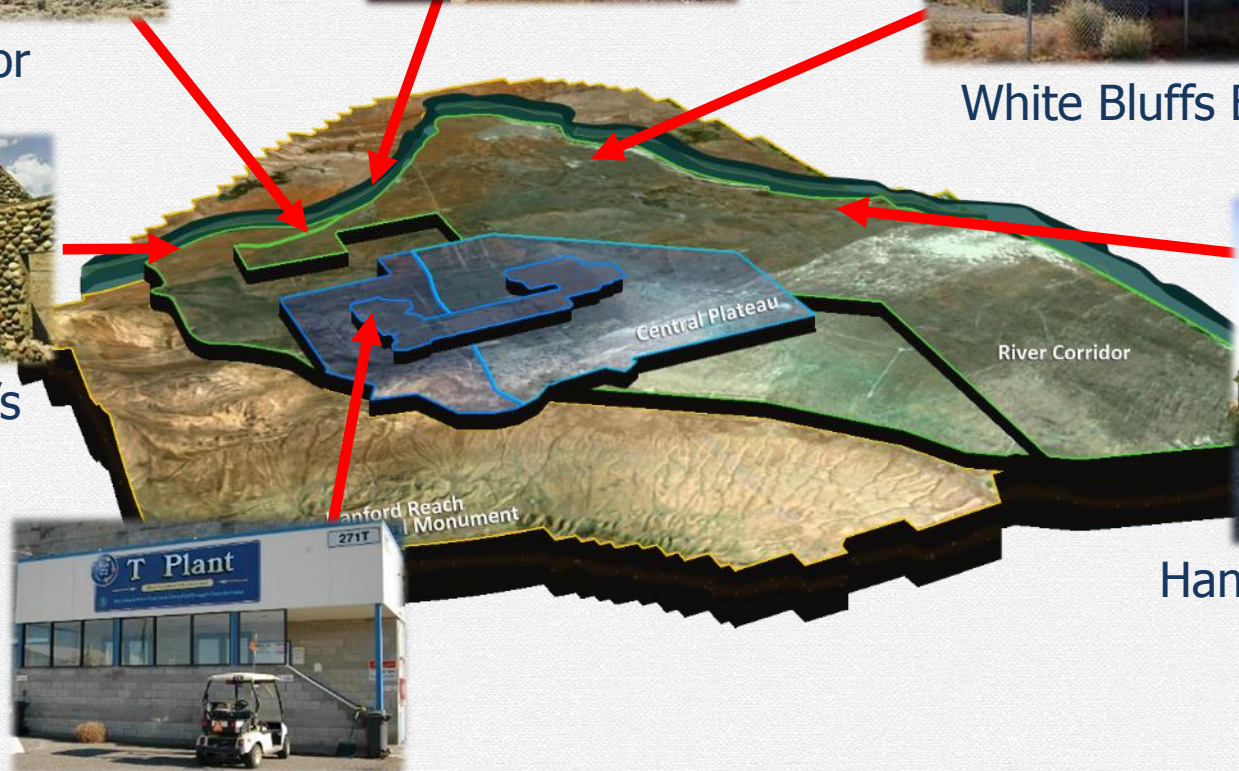
Allard Pump House



White Bluffs Bank



Bruggemann's Warehouse



Hanford High School



T Plant





- Supporting advanced education programs
 - Welding program at CBC
 - Donation of technology building to WSU
 - Internships
- Donating time, resources
 - Combined Federal Campaign
 - Feds Feed Families
 - Habitat for Humanity
- Support and leadership to local agencies including
 - United Way
 - Junior Achievement
 - TRIDEC
 - Boys & Girls Club
 - Reading Foundation





Plutonium Finishing Plant



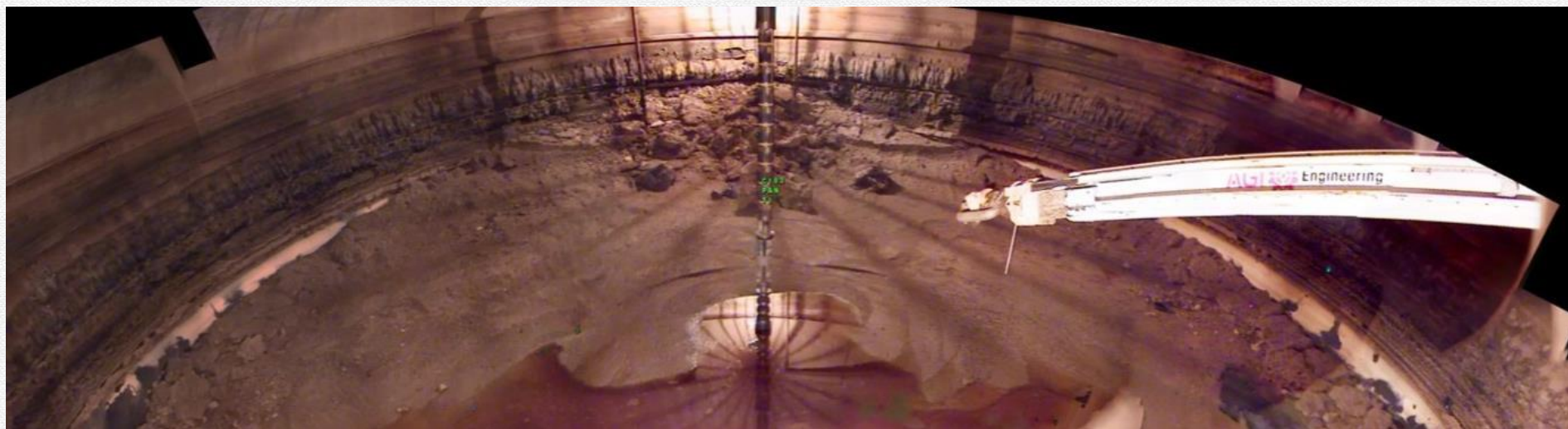
Current footprint

Future footprint





Tank Retrievals



C-102 during retrieval





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to learn about**

- News on Hanford Cleanup
- Hanford Advisory Board
- Opportunities to comment on decisions
- Public events & tours

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