

2. AMENDMENT/MODIFICATION NO. 3. EFFECTIVE DATE 4. REQUISITION/PURCHASE REQ. NO. 5. PROJECT NO. (If applicable)  
 0154 See Block 16C

6. ISSUED BY CODE 892432 7. ADMINISTERED BY (If other than Item 6) CODE 00701  
 Idaho Operations Office  
 Idaho Operations  
 U.S. Department of Energy  
 Idaho Operations  
 Idaho Falls ID 89415  
 Idaho Operations  
 U.S. Department of Energy  
 Idaho Operations  
 1955 Fremont Avenue  
 MS 1221  
 Idaho Falls ID 83415

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code) 9A. AMENDMENT OF SOLICITATION NO.  
 FLUOR IDAHO, LLC (x)  
 Attn: AMANDA JORDAN  
 1070 RIVERWALK DRIVE, SUITE 201  
 IDAHO FALLS ID 83402  
 9B. DATED (SEE ITEM 11)  
 10A. MODIFICATION OF CONTRACT/ORDER NO. DE-EM0004083  
 10B. DATED (SEE ITEM 13) 02/04/2016  
 CODE 968795604 FACILITY CODE

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS  
 The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers  is extended,  is not extended.  
 Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods: (a) By completing Items 8 and 15, and returning \_\_\_\_\_ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or electronic communication which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by letter or electronic communication, provided each letter or electronic communication makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)

13. THIS ITEM ONLY APPLIES TO MODIFICATION OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

CHECK ONE  
 A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.  
 B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation data, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).  
 X C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF: Section I.100, Changes - Cost Reimbursement (AUG 1987) Alternate II and III (APR 1984)  
 D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor  Is not  Is required to sign this document and return 1 copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)  
 DUNS Number: 968795604

The purpose of this modification is to revise the FY 2019 Calcine scope and add the FY 2020 Calcine scope. Please refer to the continuation pages incorporated as part of this modification. The Contractor is directed to continue operations in accordance with contract Section B.2.

Payment:  
 OR for Idaho  
 U.S. Department of Energy  
 Oak Ridge Financial Service Center  
 P.O. Box 6017  
 Oak Ridge TN 37831  
 Continued ...

Except as provided herein, all terms and conditions of the document referenced in Item 9 A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print) 16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)  
 Thomas M Williams Jennifer K. Cate  
 15B. CONTRACTOR/OFFEROR Director, Prime Contracts 16B. UNITED STATES OF AMERICA  
 15C. DATE SIGNED 10.31.19 16C. DATE SIGNED 11.12.19  
 (Signature of person authorized to sign) (Signature of Contracting Officer)

**CONTINUATION SHEET**

REFERENCE NO. OF DOCUMENT BEING CONTINUED  
DE-EM0004083/0154

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NAME OF OFFEROR OR CONTRACTOR  
FLUOR IDAHO, LLC

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
00001	<p>FOB: Destination Period of Performance: 06/01/2016 to 05/31/2021</p> <p>Change Item 00001 to read as follows (amount shown is the total amount):</p> <p>Target ICP-Core DOE Mission Work</p> <p>Line item value is: \$1,799,807,468.00 Incrementally Funded Amount: \$1,458,616,254.18</p> <p>This modification increases the Total Contract Value (including Options) by \$10,372,275 from \$1,910,598,088 to \$1,920,970,363. See Continuation Pages for further details.</p>			1,799,807,468.00	

This modification is being made under the authority of contract clause Section I.100, *Changes – Cost Reimbursement (AUG 1987) - Alternate II and III (APR 1984)*. This bilateral contract modification revises the FY 2019 Calcine scope and adds the FY 2020 Calcine scope. The indirect cost under CLIN-1 is adjusted to reflect the changes made to the POH table attached per Section B.15(g).

The following changes are hereby made to the contract:

**1. SECTION B.2 CONTRACT COST AND FEE SCHEDULE is revised as follows:**

CLIN-1: Target ICP Core DOE Mission Work Scope (Base) is revised to incorporate the change stated above.

The Direct Target Cost remains unchanged at \$887,514,887.

The Indirect Target Cost (POH) is increased by \$1,477,747 from \$302,928,138 to \$304,405,885.

The Total Target Cost is increased by \$1,477,747 from \$1,190,443,025 to \$1,191,920,772.

The Cost Incentive (Target) is increased by \$73,149 from \$26,513,798 to \$26,586,947.

The Cost Incentive (Maximum) is increased by \$191,368 from \$67,633,054 to \$67,824,422. The overall CLIN-1 Max Fee, including milestones and performance fee, is correspondingly increased by \$191,368 from \$141,484,513 to \$141,675,881.

CLIN-3: Non Target Work Scope is revised as follows:

The estimated cost for CLIN-3 is increased by \$8,209,706 from \$45,304,427 to \$53,514,133.

The fixed fee under CLIN-3 is increased by \$493,454 from \$2,201,903 to \$2,695,357.

Summary:

The Total Contract Value, including options, is increased by \$10,372,275 from \$1,910,598,088 to \$1,920,970,363.

The attached B.2(c) Fee Model has been updated to reflect the adjustment to CLIN-1 and CLIN-3.

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<b>B.2(c) Table</b>				
<b>CLIN 00001 - TARGET ICP-CORE DOE MISSION WORK (BASE)</b>				
	Target Cost	Max Fee	Target Fee	Total Price
Direct Target Cost w/ ID Spt (No Options Included)	887,514,887	141,675,881		1,333,596,653
Indirect Target Cost w/o ID Spt (Total Pool, PWS C.8)	304,405,885			
	1,191,920,772			
Target Fee			59,000,078	
Subtotal Milestone-Schedule & Performance Fee (B.3(d))		73,851,459		
Subtotal Incremental Cost Incentive Fee		67,824,422		
Cost Incentive Breakout				
Cost Incentive (Max)		67,824,422		12.95%
Cost Incentive (Target)			26,586,947	4.95%
<b>CLIN 00002 - TARGET ICP CORE NNPP PPF WORK SCOPE</b>				
	Target Cost	Max Fee	Target Fee	Total Price
Navy (Pieces, Parts and Fines - 102 Cans)	42,367,181	5,382,479	2,503,195	47,749,660
Milestone-Schedule & Performance		3,970,091	1,963,325	
Cost Incentive (Max)		1,412,388	539,870	
<b>CLIN 00003 - NON-TARGET ICP CORE WORK SCOPE</b>				
	Estimated Cost	Fee		Total Price
Total Non-Target Work Scope (See Contracting Officer for Breakout)	53,514,133	2,695,357		56,209,490
<b>CLIN 00004 - CONTRACT TRANSITION PERIOD</b>				
Transition	6,811,889	0		6,811,889
<b>CLIN 00005 - DEFINED BENEFIT PENSION PLAN COSTS</b>				
Pension	125,000,000	0		125,000,000
<b>CLIN 00006 INTEGRATED WASTE TREATMENT UNIT (IWTU) OPERATIONS AND TURNOVER</b>				
	Estimated Cost	Max Fee	Fee Gal	Total Price
IWTU Ops (C.6.1) (Definitized by Modification 152)	0	-	\$ 6.53	\$ -
	Estimated Cost	Fee		
IWTU Phase 1 - Process Assessment (C.6.1.1) (Fixed Fee)	19,331,848	956,926		\$ 20,288,774
IWTU Phase 2 - Technical Issue Resolution (C.6.1.2) (Milestone Fee)	90,364,264	5,523,919		\$ 95,888,183
IWTU Phase 3/4 - Startup of Radiological Operations (C.6.1.10) (Fixed/Milestone Fee)	121,259,798	14,575,427		135,835,225
<b>Total (Excluding C.6.1 IWTU Ops)</b>	\$ 230,955,910	\$ 21,056,272		\$ 252,012,182
<b>Total Contract Cost (Excluding Options)</b>				
	Contract Cost	Max Fee	Target Fee	Total Price
	1,650,569,885	170,809,989	61,503,273	1,821,379,874
<b>Total Contract Cost (Includes Options)</b>				
	Target Cost	Max Fee	Target Fee	Total Price
Priced Options				
00001a - GrndWtr Monitoring Wells / CFA Landfill	773,962	100,228	38,311	874,190
00001b - GrdWtr Monitoring Wells/TAN Rem	676,966	87,667	33,510	764,633
00001c - Legacy Excess Radioactive/Haz Materials	24,747,535	3,204,806	1,225,003	27,952,341
00001d - RCRA Closure of AMWTP Facilities	30,476,158	3,946,662	1,508,570	34,422,820
00001e - Additional Temporary Storage	6,548,465	848,026	324,149	7,396,491
00001f - RH TRU Lot 11 Option Work (Definitized by Modification 050)	-	-	-	-
00001g - RH TRU Lot 12 Option Work	12,341,796	1,598,263	610,919	13,940,059
00001h - RH TRU Lot 11 GFY 2020 Option Work (Definitized by Modification 142)	-	-	-	-
00001i - RH TRU Lot 11 GFY 2021 Option Work	12,607,309	1,632,647	624,062	14,239,956
Total Options	88,172,191	11,418,299	4,364,524	99,590,490
Total Contract Cost (Includes Options) and Max Fee	1,738,742,076	182,228,288	65,867,797	1,920,970,363
<b>Contract Performance Ceiling (B.6)</b>				
Contract Performance Ceiling	1,441,672,335			
<b>NOTE:</b> Fixed Fee values from CLIN-3 and CLIN-6 are included in the max fee value for the total contract cost and total contract cost including options.				

No other changes to Section B.2(c).

**2. SECTION B.6(a)(2) CONTRACT PERFORMANCE CEILING** is revised as follows:

The current Contract Performance Ceiling (CPC) is increased by \$9,878,821 from \$1,431,793,514 to \$1,441,672,335.

**3. ATTACHMENT A - POH TRACKING TOOL** has been updated to include the changes as a result of this modification and is incorporated as part of this modification.

**4. SECTION C.6.5.02 Calcine Retrieval Project FY19 (CLIN-3)** is revised as follows:

- A. Perform retrieval and transport tests using the full scale mockup
  - 1. Conduct full scale bulk retrieval and transport testing
  - 2. Conduct full scale residual retrieval and transport testing
  - 3. Conduct full scale concept testing
  - 4. Complete CPP-691 building upgrades (50 ton crane repair)
  
- B. Continue development and testing of
  - 1. Vacuum Crawler
  - 2. Continuum Arm
  - 3. Air Lance
  - 4. Access riser placement
  - 5. Bin inspection system
  - 6. Retrieval Nozzle Development
  - 7. Access riser/vault interface
  - 8. Access riser cartridge
  - 9. Access riser positioning system
  - 10. Shield plug design for vault penetrations
  - 11. Design Bottom-up retrieval system
  - 12. Vacuum retrieval line installation method
  - 13. CSSF vault coring
  
- C. Calcine Packaging and Fill System
  - 1. Design Shipping Canister fill system interface
  
- D. Facility Closure
  - 1. Support DOE with finalizing NEPA Rod Amendment
  - 2. Complete draft PA and 3116 Basis Document
  - 3. Develop change control process for the CSSF PA
  - 4. Complete an APAD for calcine retrieval.
  
- E. Deliverables
  - 1. FY 2019 test report
  - 2. Draft PA for DOE review
  - 3. Draft 3116 Basis Document for DOE review

*Based on this deleted scope, the CLIN-3 estimated cost for Calcine FY19 is decreased by \$255,046 and the corresponding fixed fee is decreased by \$14,431. In addition, CLIN-1 indirect costs are decreased by \$45,908. The corresponding CLIN-1 target fee is decreased by \$2,272 and the CLIN-1 max fee is decreased by \$5,945.*

No other changes to Section C.6.5.02.

**5. SECTION C.6.5.03 Calcine Retrieval Project FY20 (CLIN-3)** is added to include the following work scope:

The Contractor shall complete the following FY20 Calcine Retrieval Project work scope by September 30, 2020:

A. Calcine Project Management FY 2020

1. Project management functions including management, financial controls records, administrative support, and travel.
2. Engineering design management including technical leadership for the CRP team and managing the project design team and proof-of-principle (POP) testing.
3. Operations management including operations leadership for the CRP team, facility manager for CPP-691, maintenance of CPP-691 and managing integrated tests at the full-scale retrieval and transport mockup.
4. CSSF facility closure management including interpreting environmental regulations and continuing discussions with the regulatory agencies (i.e., DOE, the U.S. Environmental Protection Agency, and DEQ) on the path forward for National Environmental Policy Act (NEPA), Resource Conservation and Recovery Act (RCRA) closure, CERCLA non-time-critical removal action (NTCRA), and National Defense Authorization Act (NDAA) 3116 closure. Supporting DOE with a NEPA Record of Decision (ROD) Amendment and reviews of the draft Performance Assessment (PA) and NDAA 3116 Basis Document.

B. CSSF Regulatory Support

1. Complete draft Composite Analysis (CA)
2. Complete draft Tier I Closure Plan
3. Complete draft PA/CA Maintenance Plan
4. Complete draft PA/CA Monitoring Plan
5. Complete draft Compliance Demonstration Report
6. Complete defense waste determination
7. Complete CERCLA risk assessment to support engineering evaluation/cost analysis (EE/CA)
8. Complete CERCLA technical feasibility study to support EE/CA.

C. Retrieval Operations

1. Conduct full scale retrieval tests from mockup bin A, B and C
2. Conduct full scale residual retrieval tests from mockup bin A, B and C
3. Complete CPP-691 building upgrades (exterior lighting and electrical upgrades).

D. Engineering Design

1. As-build CSSF 1 vault from LIDAR survey
2. Develop technical and functional requirements (T&FRs) for systems and components
3. Develop system design documents (SDDs) for systems and components.

E. Technology Development

1. Fabricate and test vacuum crawler version (8-inch, TRL 2 to TRL 4)
2. Fabricate and test articulating arm (TRL 1 to TRL 3)
3. Design, fabricate and test the air lance (TRL 2 to TRL 6)
4. Design, fabricate and test the access riser welder/cutter; and design, fabricate and test the access riser cleaning attachment (Access riser placement) (TRL 3 to TRL 6)

5. Design, fabricate and test inspection system (TRL 3 to TRL 6)
6. Nozzle development; analysis, design, fabrication of retrieval nozzle (TRL 2 to TRL 5)
7. Design, fabricate and test optimized blind tee (TRL 2 to TRL 6)
8. Design, fabricate and test access riser/vault interface system (TRL 3 to TRL6)
9. Design, fabricate and test the access riser cartridge system (TRL 3 to TRL 6)
10. Access riser placement and positioning system (TRL 3 to TRL 6)
11. Design, fabricate and test bulk retrieval recovery methods (TRL 1 to TRL 4)
12. Design and fabricate bottom-up retrieval system (TRL 3 to TRL 5)
13. Design, fabricate and test vault coring system with incorporation of rad control (TRL 4 to TRL 6).

F. Calcine Packaging and Fill System

1. Complete a preliminary fill system docking interface design (TRL 0 to TRL 2)
2. Fabricate and test fill docking interface system
3. Design secondary containment and canister isolation system (TRL 0 to TRL 2).

G. FY 2020 deliverables

1. FY 2020 CRP progress report
2. Draft CA
3. Draft Tier I Closure Plan
4. Draft PA/CA Maintenance Plan
5. Draft PA/CA Monitoring Plan.

*Based on this change, the CLIN-3 estimated cost for Calcine FY20 is increased by \$8,464,752 and the corresponding fixed fee is increased by \$507,885. In addition, CLIN-1 indirect costs for POH are increased by \$1,523,655. The corresponding CLIN-1 target fee is increased by \$75,421 and the CLIN-1 max fee is increased by \$197,313.*

No other changes to Section C.6.5.03

6. **CONTRACTOR'S STATEMENT OF RELEASE:** In consideration of the modification agreed to herein as a complete equitable adjustment for the directed changed identified in this modification, and in accordance with contract Section I.100 52.243-2 Changes—Cost Reimbursement Alt II and III, the Contractor hereby releases the Government from any and all liability under this contract for further equitable adjustments attributable to such facts or circumstances giving rise to the proposal for adjustment.

The total price of the equitable adjustment for CLIN-1 is \$1,669,115 and for CLIN-3 is \$8,703,160.

No other changes to the contract terms and conditions.

## Summary Through Mod - 154

	Direct Cost Change	Total Direct Cost	POH Change	Total POH
<b>Intitial CLINS 1,2,3,4,6</b>		<b>\$ 975,624,953</b>		<b>\$ 290,675,615</b>
CLIN00001	\$ 126,849,437	\$ 1,102,474,390	\$ 13,730,270	\$ 304,405,885
CLIN00002	\$ (18,791,157)	\$ 1,083,683,233		
CLIN00003	\$ 40,987,632	\$ 1,124,670,865		
CLIN00004	\$ 1,056,927	\$ 1,125,727,792		
CLIN00006	\$ 186,516,911	\$ 1,312,244,703		
Less Options	\$ (91,080,703)	\$ 1,221,164,000		
<b>TOTAL</b>	<b>\$ 245,539,047</b>	<b>\$ 1,221,164,000</b>	<b>\$ 13,730,270</b>	<b>\$ 304,405,885</b>

## CLIN00001

Mod	Work scope description	Direct Cost Change	Total Direct Cost	POH Change	Total POH
	Initial CLIN 00001 + Priced Options	\$	851,746,153	Initial	\$ 290,675,615
010	Calcine Disposition Project	\$ 442,956	\$ 852,189,109	\$ -	\$ 290,675,615
014	Inf Upgrade Project	\$ 2,991,701	\$ 855,180,810	\$ -	\$ 290,675,615
020	ICDF,CCP&MFA	\$ 8,842,414	\$ 864,023,224	\$ -	\$ 290,675,615
022	MFC D&D	\$ 480,355	\$ 864,503,579	\$ -	\$ 290,675,615
023	Material Diff	\$ (10,541,000)	\$ 853,962,579	\$ -	\$ 290,675,615
025	Direct/Ind true up	\$ (3,824,905)	\$ 850,137,674	\$ 3,824,905	\$ 294,500,520
027	Calcine Disposition Project	\$ 4,722,370	\$ 854,860,044	\$ -	\$ 294,500,520
028	Tank Farm Cap	\$ 1,799,652	\$ 856,659,696	\$ -	\$ 294,500,520
032	Navy Replan Adj	\$ 5,765,761	\$ 862,425,457	\$ -	\$ 294,500,520
040	TAN well	\$ 655,618	\$ 863,081,075	\$ -	\$ 294,500,520
046	G&A Adj, Guard	\$ 314,400	\$ 863,395,475	\$ 224,000	\$ 294,724,520
050	RH TRU	\$ 21,559,824	\$ 884,955,299	\$ -	\$ 294,724,520
056	NNPP Adustment	\$ 13,875,628	\$ 898,830,927	\$ -	\$ 294,724,520
059	Mandatory Srv	\$ -	\$ 898,830,927	\$ (34,859,143)	\$ 259,865,377
078	Radios	\$ 786,088	\$ 899,617,015	\$ -	\$ 259,865,377
080	LWFC	\$ (71,392,824)	\$ 828,224,191	\$ -	\$ 259,865,377
081	SNF Replan	\$ 1,610,172	\$ 829,834,363	\$ -	\$ 259,865,377
088	Nitric Acid	\$ 1,202,447	\$ 831,036,810	\$ -	\$ 259,865,377
089	Batch Plant	\$ 55,000	\$ 831,091,810	\$ -	\$ 259,865,377
092	UST	\$ 312,539	\$ 831,404,349	\$ -	\$ 259,865,377
104	EBR II D&D	\$ (4,779,913)	\$ 826,624,436	\$ -	\$ 259,865,377
108	AMWTP Roofs 676 & 678	\$ 810,298	\$ 827,434,734	\$ -	\$ 259,865,377
109	INL Proprietary Alarm System	\$ -	\$ 827,434,734	\$ 42,643	\$ 259,908,020
110	CPP-2707 Security REA	\$ 173,050	\$ 827,607,784	\$ 110,056	\$ 260,018,076
111	MTR Canister	\$ (693,220)	\$ 826,914,564	\$ -	\$ 260,018,076
112	EBR II D&D adjustment	\$ 1,000,000	\$ 827,914,564	\$ 431,500	\$ 260,449,576
115	AMWTP Future Mission, FSV Biennial Exercise (actual costs)	\$ 77,987	\$ 827,992,551	\$ -	\$ 260,449,576
116	Emergency Management (shift to indirect)	\$ (22,302)	\$ 827,970,249	\$ 22,302	\$ 260,471,878
118	10 CFR 851	\$ -	\$ 827,970,249	\$ 715,000	\$ 261,186,878
121	CPP-749 Gas Sampling	\$ 93,000	\$ 828,063,249	\$ -	\$ 261,186,878
122	Utility Tunnel Repairs, Demob from EBRII D&D	\$ 2,231,872	\$ 830,295,121	\$ -	\$ 261,186,878
124	CH TRU Waste Settlement	\$ 115,300,000	\$ 945,595,121	\$ 18,915,899	\$ 280,102,777
125	IT Support for STI at WCB, FSV Travel Actuals	\$ 93,496	\$ 945,688,617	\$ 16,829	\$ 280,119,606
126	Continue CCP Staffing; Discontinue Fab and Testing of Shielded Container for Lot 9B	\$ 139,396	\$ 945,828,013	\$ (838,051)	\$ 279,281,555
	IWTU Indirects - DMR Aging Coupons, Hazen/Lab Support, Canister Decon Conceptual Design, Product Sampling,				
128	Remove/Clean Uncoated Elements on PGF.	\$ -	\$ 945,828,013	\$ 3,049,983	\$ 282,331,538
129	INTEC ECS wireless communication	\$ 197,047	\$ 946,025,060	\$ 35,468	\$ 282,367,006
	IWTU Phase 3/4 Facility Mods, Confirmatory Demonstration				
131	Run, System Perf Tests, Start Rad Ops	\$	\$ 946,025,060	\$ 11,091,909	\$ 293,458,915
132	FY 2019 Calcine Additional Scope and IORC move	\$	\$ 946,025,060	\$ 761,457	\$ 294,220,371
138	IT Policies	\$ 61,288	\$ 946,086,348	\$ 11,032	\$ 294,231,403
140	INTEC UCS Obsolete Parts	\$ 1,273,756	\$ 947,360,104	\$ 229,276	\$ 294,460,679
141	DCAA Audit - IWTU Phase 3/4 Part A	\$ -	\$ 947,360,104	\$ (153,979)	\$ 294,306,700
142	RH Waste Lot 11 FY 2020 Priced Option	\$ 19,099,074	\$ 966,459,178	\$ 3,437,833	\$ 297,744,534
145	INTEC Long Range Plan, U-233, 749 Transfers	\$ 9,123,368	\$ 975,582,546	\$ 1,643,265	\$ 299,387,799
148	Continue CCP Staffing to support RH TRU	\$ 1,071,423	\$ 976,653,969	\$ 192,856	\$ 299,580,655
150	Electrical Distribution, RTR Equipment, 10CFR851 Phase 1	\$ 1,941,621	\$ 978,595,590	\$ 434,077	\$ 300,014,732
152	IWTU Phase 3/4 Part B (Less IWTU Ops)	\$	\$ 978,595,590	\$ 2,913,406	\$ 302,928,138
154	<b>FY 2020 Calcine (and FY 2019 revised)</b>	<b>\$</b>	<b>\$ 978,595,590</b>	<b>\$ 1,477,747</b>	<b>\$ 304,405,885</b>
	CLIN 00001 Change from Initial Contract	\$ 126,849,437	\$ 978,595,590	\$ 13,730,270	\$ 304,405,885

## CLIN00002

Mod	Work scope description	Direct Cost Change	Total Direct Cost
	Initial	\$	61,158,338
46	G&A Adj	\$ (138,146)	\$ 61,020,192
56	NNPP Adustment	\$ (13,857,777)	\$ 47,162,415
126	Remove RH TRU Shipping, Decrease scope for Certification	\$ (4,795,234)	\$ 42,367,181
	CLIN 00002 Change from Initial Contract	\$ (18,791,157)	\$ 42,367,181

## CLIN00003

Mod	Work scope description	Estimated Cost Change	Total Estimated Cost
	Initial	\$	12,526,501
022	NE CPP 603 Crane	\$ 1,175,070	\$ 13,701,571
027	Fuel Inversion	\$ 678,707	\$ 14,380,278
032	Navy Replan	\$ 4,992,567	\$ 19,372,845
033	Closeout	\$ 350,001	\$ 19,722,846
036	NE CPP 603 Crane	\$ 5,449,933	\$ 25,172,779
046	G&A Adj	\$ (5,868)	\$ 25,166,911
051	Nvy Adj, Castor V/21 & USGS	\$ (203,767)	\$ 24,963,144
053	NE CPP 603 Crane	\$ (81,325)	\$ 24,881,819

056	DOE Support	\$	29,412	\$	24,911,231
086	Calcine	\$	3,241,141	\$	28,152,372
111	MTR Canister	\$	1,087,100	\$	29,239,472
112	Calcine Retrieval Scope Removal	\$	(122,305)	\$	29,117,167
115	FY 2019 Calcine, SPRU data collection and estimate	\$	6,047,697	\$	35,164,864
132	FY 2019 Calcine Additional Scope and IORC move	\$	4,230,314	\$	39,395,178
145	RH LLW SME Review Updated Performance Assessment	\$	5,882	\$	39,401,060
149	Navy Borehole Invoices	\$	5,903,367	\$	45,304,427
154	FY 2020 Calcine (and FY 2019 revised)	\$	8,209,706	\$	53,514,133
CLIN 00003 Change from Initial Contract		\$	40,987,632	\$	53,514,133

CLIN00004					
Mod	Work scope description	Estimated Cost Change		Total Estimated Cost	
			Initial	\$	
				\$	5,754,962
10	IWTU Transition	\$	1,056,927	\$	6,811,889
CLIN 00004 Change from Initial Contract		\$	1,056,927	\$	6,811,889

CLIN00006					
Mod	Work scope description	Estimated Cost Change		Total Estimated Cost	
			Initial	\$	
				\$	44,438,999
012	Phase I	\$	19,331,848	\$	63,770,847
037	Phase II	\$	66,553,245	\$	130,324,092
046*	G&A Adj	\$	(131,068)	\$	130,193,024
103	DMR Redesign	\$	5,659,068	\$	135,852,092
103	CRR Repair	\$	1,207,602	\$	137,059,694
	DMR Aging Coupons, Hazen/Lab Support, Canister Decon Conceptual Design, Product Sampling, Remove/Clean Uncoated Elements on PGF.	\$	16,944,349	\$	154,004,043
128	IWTU Phase 3/4 Facility Mods, Confirmatory Demonstration Run, System Perf Tests, Start Rad Ops	\$	61,621,715	\$	215,625,758
131	DCAA Audit - IWTU Phase 3/4 Part A	\$	(855,438)	\$	214,770,320
141		\$		\$	
152	IWTU Phase 3/4 Part B (Less IWTU Ops)	\$	16,185,590	\$	230,955,910
CLIN 00006 Change from Initial Contract		\$	186,516,911	\$	230,955,910