

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT		1. CONTRACT ID CODE	PAGE OF PAGES 1 2
2. AMENDMENT/MODIFICATION NO. 0132	3. EFFECTIVE DATE See Block 16C	4. REQUISITION/PURCHASE REQ. NO.	5. PROJECT NO. (If applicable)
6. ISSUED BY Strategic Petroleum Reserve Project SPRO U.S. Department of Energy 900 Commerce Road East US 492 New Orleans LA 70123	CODE 892435	7. ADMINISTERED BY (If other than Item 6) SPRO U.S. Department of Energy SPRO 900 Commerce Road East US 492 New Orleans LA 70123	CODE 01601
8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code) Fluor Federal Petroleum Operations, LLC Attn: Paul Avery 850 S Clearview Pkwy New Orleans LA 701233401		(x)	9A. AMENDMENT OF SOLICITATION NO.
CODE 078490442			9B. DATED (SEE ITEM 11)
FACILITY CODE		x	10A. MODIFICATION OF CONTRACT/ORDER NO. DE-FE0011020
			10B. DATED (SEE ITEM 13) 09/18/2013

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)

See Schedule

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).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
X	D. OTHER (Specify type of modification and authority) See Block 14

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

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

UEI: KJDUB6XQDTN4

Pursuant to the authority Clauses H.2 Modification Authority, H.13 Technical Direction DEAR 952.242-70, and H.21 Work Authorization Directives, the following changes are incorporated.

A. Reference Section J, Attachment B - Work Authorization Directives (WADs): The following Fiscal Year 2022 WADs are hereby incorporated into Section J, Attachment B (See attached WADs).

1. Security Revision 2 for the period of October 1, 2021 to September 30, 2022 dated July 27, 2022.

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) Justin Daniel Dudenhefer	
15B. CONTRACTOR/OFFEROR <i>(Signature of person authorized to sign)</i>	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA Signature on File <i>(Signature of Contracting Officer)</i>	16C. DATE SIGNED 08/19/2022

Previous edition unusable

CONTINUATION SHEET

REFERENCE NO. OF DOCUMENT BEING CONTINUED
DE-FE0011020/0132

PAGE OF
2 2

NAME OF OFFEROR OR CONTRACTOR
Fluor Federal Petroleum Operations, LLC

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	<p>2. PAT Revision 2 for the period of October 1, 2021 to September 30, 2022 dated July 27, 2022.</p> <p>B. The total contract value is increased by \$20,899,862.00. The new total contract value is \$2,921,942,350.</p> <p>Payment: OR for SPRO U.S. Department of Energy Oak Ridge Financial Service Center P.O. Box 6017 Oak Ridge TN 37831</p> <p>Period of Performance: 04/01/2014 to 03/31/2024</p>				

PART I -THE SCHEDULE

SECTION B

SUPPLIES OR SERVICES AND PRICES/COSTS

PART I -THE SCHEDULE

SECTION B

SUPPLIES OR SERVICES AND PRICES/COSTS

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SECTION B

SUPPLIES OR SERVICES AND PRICES/COSTS

B.1 SERVICES BEING ACQUIRED

The Contractor shall, in accordance with the terms of this contact, provide the personnel, equipment, materials, supplies, and services (except as may be furnished by the Government) and otherwise do all things necessary for, or incident to managing and operating, in an efficient and effective manner, the Government-owned Strategic Petroleum Reserve (SPR), including operating and maintaining the facilities and related systems, located in Louisiana and Texas, as described in Section C, Performance Work Statement (PWS), or as may be directed by the Contracting Officer within the scope of this Contract.

B.2 TRANSITION COST AND TOTAL AVAILABLE AWARD FEE

(a) Transition Cost

The transition activities shall be conducted during the period specified in the clause in Section F entitled "Period of Performance" and shall be performed in accordance with the clause in Section H entitled "Transition Activities" on a cost-reimbursement basis, and no fee shall be paid for these activities. The estimated transition costs are \$1,714,103.

(b) Total Available Award Fee

- (1) The annual fee base is estimated in accordance with DEAR 970.1504-1, including estimated exclusions, adjustments, and classification factors. In the event the annual fee base deviates by more than plus or minus 15% for any fiscal year from the annual fee base set forth in Column B of the chart below, a new total available award fee for the fiscal year will be calculated by multiplying the maximum available fee for the revised annual fee base by the percentage set forth in Column D below.
- (2) All fee for this contract is performance based. There is no base fee for this contract. The Available Award Fee will be negotiated annually (or any other period as may be mutually agreed to between the parties) between the Contractor and the Government. The Available Award Fee will be equal to or less than the Total Available Award Fee offered set forth in Column E. The Available Award Fee shall be established considering the level of complexity, difficulty, cost effectiveness, and risk associated with specific objectives/incentives defined in the Performance Evaluation and Measurement Plan (PEMP). Higher or lower levels of complexity, difficulty, cost effectiveness, and risk will correspondingly allow a higher or lower available award fee. In the event the parties are unable to reach

agreement on the Available Award Fee amount, the Government reserves the right to unilaterally establish the Available Award Fee amount.

- (3) The total available award fee for the base period of the contract and the option period, if exercised, is shown below.

A	B	C	D	E
Fiscal Year	Annual Fee Base	Maximum Available Fee	Fee Percent	Total Available Award Fee
FY 2014 (6-months)	\$58,805,864	\$4,437,779	94.0	\$4,171,512
FY 2015	\$127,918,868	\$9,197,264	90.2	\$8,295,932
FY 2016	\$129,557,963	\$9,199,561	88.8	\$8,169,210
FY 2017	\$128,735,855	\$9,158,721	87.1	\$7,977,246
FY 2018	\$220,061,467	\$11,554,075	¹ 90.6	\$10,463,038
FY 2019	\$258,374,144	\$12,019,556	¹ 88.3	\$10,617,153
FY 2020	\$322,602,166	\$13,836,074	¹ 89.9	\$12,436,991
FY 2021	\$460,684,745	\$14,665,190	¹ 91.3	\$13,391,594
FY 2022	\$351,216,843	\$13,376,283	¹ 89.6	\$11,991,502
FY 2023	\$654,515,903	\$15,257,887	¹ 92.1	\$14,059,040
FY 2024 (6-months)	<u>\$305,567,539</u>	<u>\$7,553,049</u>	<u>¹91.7</u>	<u>\$6,926,131</u>

- (4) At the end of each performance period (fiscal year) specified above, there shall be no adjustment in the amount of total available award fee based on differences between the annual fee base and the actual fee base resulting from performance of the work. Total Available Award Fee is subject to adjustment only under the provisions of the clause in Section I entitled FAR 52.243-2 “Changes – Cost Reimbursement”; and, for the circumstances in Paragraph (1) above.

B.3 AVAILABILITY OF APPROPRIATED FUNDS

The duties and obligations of the Government hereunder calling for the expenditure of appropriate funds shall be subject to the availability of funds appropriated by the Congress, which the DOE may legally spend for such purchases.

B.4 OBLIGATION OF FUNDS

Pursuant to the Section I Clause DEAR 970.5232-4 entitled “Obligation of Funds,” the total amount obligated by the Government with respect to this contract is \$2,725,636,791.53.

¹IAW agreed to LE 2 fee approach, Facilities maximum fee FY18 88.3%, FY19 84.8%, FY20 83.9%, FY21 83.4%, FY22 82.8%, FY23 82.3%, FY24 83.1%. LE 2 maximum fee for FY18 to FY24 is 95%.

B.5 SINGLE FEE

If the Contractor is part of a consortium, joint venture, and/or other teaming arrangement, as described in FAR Subpart 9.6, the team shall share in this contract fee structure. Separate additional subcontractor fee shall not be considered in an allowable cost under the contract if a subcontractor is a team member or, supplier, or lower-tier subcontractor is a wholly owned, majority owned, or affiliate of any team member, any fee or profit earned by such entity shall not be considered an allowable cost under this contract unless otherwise approved by the Contracting Officer.

The subcontractor fee restriction in the paragraph above does not apply to members of the Contractor’s team that are: (1) small business(es); (2) protégé firms as part of an approved mentor-protégé relationship; (3) subcontractors under a competitively awarded firm-fixed-unit-price subcontract; or (4) commercial items as defined in FAR Subpart 2.1, Definitions of Words and Terms.

B.6 CONTRACT VALUE

The contract value, consisting of the estimated costs and total available fee, by fiscal year (base period) is set forth below.

Fiscal Year	Estimated Costs	Available Award Fee	TOTAL
Transition Period (60 days) (02/01/14– 03/31/14)	\$0	\$0	\$0
FY 2014 (6 mos.)	\$62,336,127	\$3,567,202	¹ \$65,903,329
FY 2015	\$135,959,596	\$7,948,220	¹ \$143,907,816
FY 2016	\$152,347,025	\$7,503,419	¹ \$159,850,444
FY 2017	\$156,984,812	\$8,517,561	¹ \$165,502,373
FY 2018	\$197,944,524	\$9,743,406	¹ \$207,687,930
FY 2019	\$206,683,892	\$6,665,305	¹ \$213,349,197
FY 2020	\$ 254,005,669	\$11,260,404	¹ \$265,266,073
FY 2021	\$274,918,375	\$11,365,977	¹ \$286,284,352
FY 2022	\$396,094,449	\$11,991,502 ²	\$408,085,951
FY 2023	\$668,816,570	\$14,059,040	\$682,875,610
FY 2024 (6 mos.)	\$316,303,144	\$6,926,131	\$323,229,275
TOTAL Contract Value	<u>\$2,822,394,183</u>	<u>\$99,548,167</u>	<u>\$2,921,942,350</u>

B.7 CONTRACT TYPE

This is a Cost-Plus-Award-Fee Performance-Based Contract.

¹ Fiscal Year Total reflects actual costs and earned award fee.

² Negotiated Available Award Fee

ATTACHMENT B - WORK AUTHORIZATION DIRECTIVES

2022-1.H Security
2022-1.X PAT

Revision 2
Revision 2

STRATEGIC PETROLEUM RESERVE PROJECT MANAGEMENT OFFICE
U.S. DEPARTMENT OF ENERGY

WORK AUTHORIZATION DIRECTIVE

TO


Fluor Federal Petroleum Operations, LLC

Management and Operating (M&O) Contractor for the
U.S. Department of Energy Strategic Petroleum Reserve

1. TITLE: Security Program Revision 2
-
2. WORK AUTHORIZATION NO.: 2022-1.H 3. REVISION: 2
4. RESOURCE REQUIREMENTS: 5. PERFORMANCE PERIOD
FROM 10/01/21 TO 09/30/22

ESTIMATED COSTS: \$24,827,016

6. SUMMARY: Revised to incorporate the attached BCR No. 2022-02. The cost is expected to exceed the current WAD cost authority based on the latest Security LRE. The Estimated Costs are increased by \$1,307,515 from \$23,519,501 to \$24,827,016.

7. DOE CONTRACTING OFFICER: 
Justin Dudenhefer

7/27/22
Issue Date

M&O CONTRACTOR FOR STRATEGIC PETROLEUM RESERVE

Work Authorization DirectiveSecurity ProgramI. DESCRIPTION OF WORK

The M&O Contractor manages the Department of Energy (DOE) Strategic Petroleum Reserve (SPR) Security Program, ensuring the protection of people, drawdown and crude oil flow operations, information, equipment, and resources, while sustaining a high state of readiness to respond to normal and emergency incidents. The following work synopsis are requirements in the Contractor Requirements Document (CRD), Federal and DOE regulations and laws for 2022.

- A. The Contractor must ensure protection force officers are fully trained, possess the proper security clearance, and are qualified to accomplish the DOE and SPR mission.
- B. The Contractor must manage an explosive detection program that promotes the SPR Protection Strategy defined in the SPR Site Security Plan. There are two elements to the program: explosive detection teams and explosive detection technology. An Explosive Detection Team is a fully trained and certified handler and canine. The program should address both the health and longevity of the canine, as well as filling canine vacancies. The program should also address effective explosive detection technologies employed at the SPR sites to complement the teams noted above.
- C. The Contractor must ensure the SPR has a strong access control program. This is accomplished by conducting local background checks, Personal Identification Verification (PIV), and security clearances in accordance with HSPD-12, REAL ID, and DOE Orders.
- D. Security technical support and protection operations must achieve and sustain “high operational security system effectiveness,” based on intelligence and a vulnerability/risk analysis approved by DOE.
- E. Physical Security Systems coupled with the Protection Force provides the foundation to execute the SPR Site Security Plan protection strategy. Physical Security Systems include: internal and perimeter lighting, barriers, clear

- zones, fencing, interior and exterior intrusion detection alarm and assessment systems, as well as tactical vehicles.
- F. The Contractor must immediately report and document all Incidents of Security Concern (IOSC) in accordance with DOE O 470.4B, Attachment 5 and the SPR IOSC Plan. Reporting includes any incident that affects the health and safety of all personnel. However, according to DOE O 470.4B and the SPR IOSC Plan, we have 5 calendar days to make the initial categorization. DOE O 470.4B, Attachment 5, Para 3.a.(1) states, “The clock starts when a potential incident is brought to the attention of management. At that point, the site has a maximum of 5 calendar days to conduct the preliminary inquiry, to make the initial categorization, and to perform the initial notifications.” The SPR IOSC Plan states, “Within 5 calendar days of being confirmed as an incident, it must be categorized according to the significance of the incident as either a Category A Incident or Category B Incident. The clock starts when a potential incident is brought to the attention of the M&O Contractor.”
- G. The Contractor must develop intelligence collection and sharing relationships with local, state, and federal intelligence agencies.
- H. In addition to accomplishing specifically assigned tasks, the Contractor performs SPR-wide protection functions which reflect sound business practices, and which are an integral part of doing business with the government. The Contractor, in the performance of assigned responsibilities, must ensure compliance with current requirements, including annual review and revising implementation plans.
- I. The contractor must accurately execute DOE and SPR requirements for Unclassified Foreign Visits and Assignments.
- J. The contractor must complete and track milestones that ensures the Design Basis Threat Implementation Plan is completed before or on schedule.

II. DELIVERABLES

<u>Deliverables (E = Electronic via a Link to a Document Management System, H = Hardcopy, when requested)</u>	<u>Due</u>
1. Submit a report that captures the Security Protective Force Contractor Activity, to include staffing and attrition rates and overtime costs. (E)	10 th of each month
2. Submit an electronic document that provides weekly Alarm Display and Annunciation System (ADAS) Summary of Outages and the work order number to repair the outage. The report must include intrusion detection and assessment systems. The report must also report the number of outages repaired the previous week by work order number. (E)	Monday of each week
3. FFPO to submit an accurate and verified weekly comprehension Protective Force Situation Report (SITREP) to include staffing, Protective Force equipment status and vehicle status for all sites	Weekly – by Tuesday of each week
4. FFPO to submit an accurate and verified daily report of SPR Security Alarm Status Feeder Report for each site	Daily
5. FFPO to submit a report of security self-assessment Trend Analysis that provides Findings and Observations for the year for all sites	1 st week of November 2022
6. FFPO to provide a status report of all security program open Assessment Tracking System (ATS) Findings, Control Milestone Change Request (CMCR), and Department of Energy Action Tracking (DAT) action items (E)	First week of each month
7. FFPO submit to the Director, SEOD, a roll-up report of Security Self-Assessments for all sites. (E)	September 15, 2022

<u>Deliverables (E = Electronic via a Link to a Document Management System, H = Hardcopy, when requested)</u>	<u>Due</u>
8. FFPO submit SPR 2021 Site Security Plan. (H)	February 25, 2022
9. FFPO submit after-action report (AAR) for Protective Force semi-annual weapons qualifications. (E)	July 27, 2022
10. FFPO submit Perimeter Intrusion Detection System Performance Testing for Bayou Choctaw, West Hackberry, Big Hill, and Bryan Mound results. The report must include tracking and trending of deficiencies and a corrective action plan if necessary. (E)	October 3, 2022
11. FFPO submit updated approved Security Operation Manual (SOM). (E and H)	July 15, 2022
12. FFPO submit a security education and awareness training report of all employees completing the annually required and security briefing. (E)	February 17, 2022
13. FFPO submit an accurate to the Director, SEOD, of all classified matter holdings documenting annual reviews for disposition including the destruction of at least 10% of the classified documents. (E)	July 27, 2022
14. FFPO submit an accurate and verified Protection Force Physical Fitness Program Tracking and Trending Report. (E)	By the 15 th of December 2021, March 2022, June 2022 and September 2022
15. FFPO submit an accurate and verified report of K-9 Certification. (E)	July 27, 2022
16. FFPO submit an accurate and verified Annual Training Plan including the Training Needs Assessment. (E)	September 1, 2022
17. FFPO submit an accurate and verified Real ID Enforcement Report. (E)	First Thursday of each month for the previous month

III. PERFORMANCE MEASURES

WAD NUMBER: 2022-1.H

PERFORMANCE AREA: Security Program

FISCAL YEAR: 2022

CRITERIA	PERFORMANCE MEASURE	2022 OUTPUT	
		MINIMUM	TARGET
1. FFPO conduct a Security Self-Assessment of each site including: Houston, Elmwood (warehouse, buildings, 800, 850, 900) and Stennis warehouse. Develop a schedule that ensures all Security Survey topical and sub-topical areas are assessed over a 3-year period. Elmwood Building 850 must be assessed annually.	The Security Self-Assessment Report will be evaluated based on DOE Order 470.4B, Appendix "A", Section 2, paragraph 7. A schedule for evaluating all topical and sub-topical categories will be submitted to Director, SEOD by November 13, 2022. All Findings will be recorded in the SPR Assessment Tracking System (ATS) and submitted with the Security Self-Assessment Report. The target is relative to the topics assessed. Findings are based on the ratings: Satisfactory, Marginal, or Unsatisfactory.	N/A	100 percent
2. Protection of DOE/SPR Classified Information:	No compromise of classical information. All Classified documents are reviewed annually for disposition and storing or destruction by shredding. Submit an annual report relative to the review of classified information and systems then submit to Director, to SEOD by July 27, 2022.	a. N/A b. N/A	a. No Compromises b. No Deviations

WAD NUMBER: 2022-1.H
PERFORMANCE AREA: Security Program
FISCAL YEAR: 2022

CRITERIA	PERFORMANCE MEASURE	2022 OUTPUT	
		MINIMUM	TARGET
3. Physical Security Protection Systems will maintain in accordance with DOE and SPR requirements.	a. Detect an intrusion by an unauthorized person walking, crawling, jumping, running, and rolling.	a. Achieve a detection probability of 90 percent at a 95 percent confidence level	a. 100 percent detection
	b. Track and trend False and Nuisance Alarm Rate for Perimeter/Exterior Intrusion Detection System (IDS).	b. Less than one alarm person sensor per day (24 hours of operations)	b. N/A
	c. Track and trend False and Nuisance Alarm Rate for Interior Intrusion Detection System (IDS).	c. Less than one alarm per sensor per 2,400 hours of operation	c. N/A

WAD NUMBER: 2022-1.H
PERFORMANCE AREA: Security Program
FISCAL YEAR: 2022

CRITERIA	PERFORMANCE MEASURE	2022 OUTPUT	
		MINIMUM	TARGET
	<ul style="list-style-type: none"> d. Ensure the clear zone is maintained to meet SPR requirements to support IDS and assessment system. e. Repair and maintain availability of all physical security protection systems (including lighting, Closed-Circuit TV cameras and assessment systems, fencing, interior and exterior IDS, tamper detection, tactical vehicles, etc.) 	<ul style="list-style-type: none"> d. Ensure the clear zone meet requirements for detection and assessment. The minimum is 20 feet e. Non-drawdown critical resources: no more than 10 duty days (240 hours) outage per sensor 	<ul style="list-style-type: none"> d. As documented in Site Security Plan e. No more than 5 duty days (120 hours) outage per sensor
4. Base Contract - Maintain 151 trained and qualified Security Police Officers (SPO). LE 2 up to 20 trained and qualified SPOs authorized.	Maintain the availability of 151 trained, qualified Security Police Officers (SPOs). Officers dedicated to working in the Security Operations Center (SOC/CAS/ADAS) as SPOs may be included in the 151 total. LE 2 up to 20 trained and qualified SPOs authorized.	Base Contract 151 SPOs. LE 2 up to 20 SPOs.	Base Contract 151 SPOs. LE 2 up to 20 SPOs.

WAD NUMBER: 2022-1.H
PERFORMANCE AREA: Security Program
FISCAL YEAR: 2022

CRITERIA	PERFORMANCE MEASURE	2022 OUTPUT	
		MINIMUM	TARGET
5. Maintain the ability to detect explosives, by effectively deploying technology and canine teams.	Explosive Detection Canine teams must be certified/recertified annually. Explosive Detection technology must be accurate and available when canine teams are not available.	a. Certified Explosives Detection Canine teams available: 4 (a team is 1 handler and 1 canine) b. Explosives Detection Technology available: one operational for each site	a. Certified Explosives Detection Canine teams available: 8 b. Explosives Detection Technology available: one operational for each site with an operational spare

BASELINE CHANGE REQUEST (BCR)

Request Date: 7/18/2022

Request No. 2022-002

Initiating Org: FFPO

M&O Director Name: Moraga, Rudy

DOE APM: TA - Dawn Glapion

Title:

BCR 2022-002

Executive Summary:

The H WAD (Security) is expected to exceed current WAD cost authority based on the latest Security LRE. The WAD total was \$23,519,501. This BCR 2022-002 will increase the WAD by \$1,307,515, resulting in the WAD being \$24,827,016.

Attach Other Supporting Documentation Here:

Funding Impact:

No Impact.

Funding Sources: Additional Obligation NOT Required - Fu...

Financial Attachments:

 Add  Edit  Delete  Cancel Row Changes

WAD DESCRIPTION

WAD CHANGE AMOUNT

H - Security

1,307,515.00

(Add new row)

Net Change:

\$1,307,515.00

Requested Cost Change:

1,307,515.00

Approved Cost Change:

1,307,515.00

Requested Obligation Change:

0.00

Approved Obligation Change:

0.00

Schedule Impact:

Not Applicable

M&O Contractor Signature List

Requested By:

Merrell, Dylan (CONTR)

Date:

7/18/2022

Project Control Manager

Lambert, Kayla (CONTR)

Project Control Disposition

Approve

Date:

7/19/2022

Configuration Manager

Roussel, Bryan (CONTR)

Configuration Mgr. Disposition

Approve

Date:

7/19/2022

Project Manager

Evans, Dan (CONTR)

Project Manager Disposition

Approve

Date:

7/19/2022

DOE Signature List

DOE P&FM

Bogan, Shunda

DOE P&FM Disposition

Approve

Date:

7/21/2022

Comments:

Comments required for all disapprovals...

DOE Manager

Glaption, Dawn

DOE Manager Disposition

Approve

Date:

7/22/2022

Comments:

Comments required for all disapprovals...

DOE APM

Glapion, Dawn

DOE APM Disposition

Approve

Date:

7/22/2022

Comments:

Comments required for all disapprovals...

DOE PM

Oosterling, Paul S

DOE PM Disposition

Approve

Date:

7/19/2022

Comments:

Comments required for all disapprovals...

BASELINE CHANGE REQUEST

<u>TO:</u>		Current Execution
COST		FY2022 - Fin Plan #8
CURRENT	SA0804 Security	\$ 23,519,501
CHANGE		\$ 1,307,515
REVISED	SA0804 Security	\$ 24,827,016

Description	WBS	GL	GL Description	WAD	Amount	Justifications
NO PROTECTIVE FORCE	01071602-30-30	50475	GF: Indirect Labor	H	\$ 180,107	Additional cost authority required as a result of two unplanned positions in NO Indirect PMO Staff. These positions were added through contract negotiations in late FY21, so were not able to be planned in the FY21 AOP.
NO PROTECTIVE FORCE	01071602-30-30	50470	GF: Direct Labor	H	\$ 123,222	Additional cost authority required as a result of the previous subcontractor's final invoice. In March 2022, the Protective Force received the final unplanned invoice, causing a higher than projected required cost ceiling. The majority of this cost was funded in FY21.
BM PROTECTIVE FORCE	02071758-30-30	50470	GF: Direct Labor	H	\$ 250,724	Additional cost authority required as a result of the previous subcontractor's final invoice. In March 2022, the Protective Force received the final unplanned invoice, causing a higher than projected required cost ceiling. The majority of this cost was funded in FY21.
WH PROTECTIVE FORCE	03071505-30-30	50470	GF: Direct Labor	H	\$ 252,656	Additional cost authority required as a result of the previous subcontractor's final invoice. In March 2022, the Protective Force received the final unplanned invoice, causing a higher than projected required cost ceiling. The majority of this cost was funded in FY21.
BC PROTECTIVE FORCE	04071509-30-30	50470	GF: Direct Labor	H	\$ 249,579	Additional cost authority required as a result of the previous subcontractor's final invoice. In March 2022, the Protective Force received the final unplanned invoice, causing a higher than projected required cost ceiling. The majority of this cost was funded in FY21.
BH PROTECTIVE FORCE	08071588-30-30	50470	GF: Direct Labor	H	\$ 251,227	Additional cost authority required as a result of the previous subcontractor's final invoice. In March 2022, the Protective Force received the final unplanned invoice, causing a higher than projected required cost ceiling. The majority of this cost was funded in FY21.
					<u>\$1,307,515.00</u>	

No funding impact.

STRATEGIC PETROLEUM RESERVE PROJECT MANAGEMENT OFFICE
U.S. DEPARTMENT OF ENERGY

WORK AUTHORIZATION DIRECTIVE

TO


Fluor Federal Petroleum Operations, LLC

Management and Operating (M&O) Contractor for the
U.S. Department of Energy Strategic Petroleum Reserve

- 1. TITLE: Petroleum Acquisition and Transportation Revision 2
- 2. WORK AUTHORIZATION NO.: 2022-1.X 3. REVISION: 2
- 4. RESOURCE REQUIREMENTS: 5. PERFORMANCE PERIOD
FROM 10/01/21 TO 09/30/22

ESTIMATED COSTS: \$37,420,619

6. SUMMARY: Revised to incorporate the attached BCR No.2022-001. The PAT WAD is expected to exceed current cost authority based on the latest PAT LRE. The current WAD amount is \$17,828,272. This BCR will increase this amount by \$19,592,347 to \$37,420,619.

7. DOE CONTRACTING OFFICER: 
Justin Dudenhefer

7/27/22
Issue Date

M&O CONTRACTOR FOR STRATEGIC PETROLEUM RESERVE

Work Authorization DirectivePetroleum Acquisition and TransportationI. DESCRIPTION OF WORK

Perform all related tasks associated with the acquisition and transportation of petroleum from domestic, Federal, or foreign sources to the Strategic Petroleum Reserve (SPR). Includes overseas shipping, inland waterways, coastal shipping, pipelines, terminals, and tankage as well as all applicable taxes and tariffs.

Also, perform all related tasks associated with the drawdown, fill, sale, exchange commercial storage, and distribution of SPR petroleum. Includes overseas shipping, inland waterways, coastal shipping, and pipelines.

II. DELIVERABLES

Deliverables include the following:

Deliverable (E = Electronic via Link to a Document Management System)

Due

1. Preparation and submission of DEAs accurately and timely for SPR oil sales

As requested

2. Monthly execution reports

By 15th of the month following closeout of current month's business

III. PERFORMANCE MEASURES

None.

BASELINE CHANGE REQUEST (BCR)

Request Date: 7/18/2022

Request No. 2022-001

Initiating Org: FFPO

M&O Director Name: Landry, Scott

DOE APM: M&O - Lionel Gele

Title:

BCR 2022-001

Executive Summary:

The X WAD (Petroleum Acquisition and Transportation) is expected to exceed current WAD cost authority based the latest PAT LRE. This BCR will align the WAD amount with the latest FY22 LRE. The current WAD total is \$17,828,272. This BCR will increase this amount by \$19,592,347 to \$37,420,619.

Attach Other Supporting Documentation Here:

Funding Impact:

No impact.

Funding Sources: Additional Obligation NOT Required - Fu...

Financial Attachments:

+ Add ✎ Edit ✖ Delete 🚫 Cancel Row Changes

WAD DESCRIPTION

WAD CHANGE AMOUNT

X - Petroleum Acquisition and Transportation

19,592,347.00

(Add new row)

Net Change:

\$19,592,347.00

Requested Cost Change:

19,592,347.00

Approved Cost Change:

19,592,347.00

Requested Obligation Change:

0.00

Approved Obligation Change:

0.00

Schedule Impact:

Not Applicable

M&O Contractor Signature List

Requested By:

Schilling, Rusty (CONTR)

Date:

7/18/2022

Project Control Manager

Lambert, Kayla (CONTR)

Project Control Disposition

Approve

Date:

7/19/2022

Configuration Manager

Roussel, Bryan (CONTR)

Configuration Mgr. Disposition

Approve

Date:

7/19/2022

Project Manager

Evans, Dan (CONTR)

Project Manager Disposition

Approve

Date:

7/19/2022

DOE Signature List

DOE P&FM

Bogan, Shunda

DOE P&FM Disposition

Approve

Date:

7/21/2022

Comments:

Comments required for all disapprovals...

DOE Manager

Habbaz, Roy

DOE Manager Disposition

Approve

Date:

7/21/2022

Comments:

Comments required for all disapprovals...

DOE APM

Rickner, Darryl

DOE APM Disposition

Approve

Date:

7/22/2022

Comments:

Comments required for all disapprovals...

DOE PM

Oosterling, Paul S

DOE PM Disposition

Approve

Date:

7/19/2022

Comments:

Comments required for all disapprovals...

BASELINE CHANGE REQUEST

TO:		Current Execution
COST		FY2022 - Fin Plan #8
CURRENT	0700 Petroleum Acquisition and Transportation	\$ 17,828,272
CHANGE		\$ 19,592,347
REVISED	0700 Petroleum Acquisition and Transportation	\$ 37,420,619

Description	WAD Amount	Actuals/Plan	Note
WAD	5,200,723		From the FY23 Budget Request - the sales are not separated in the request. See "Sales" for actuals.
March BCR	12,627,549		March FY22 BCR Increase. This was added to the FY22 AOP in March.
FY21 MYOS		64,080	FY21 MYOS was not included in the FY23 Budget Request number.
FY22 MYOS		3,030,048	FY22 MYOS was included in the FY23 Budget Request number.
FY20 Exchange for Storage		122,700	Exchange was not included in the FY23 Budget Request number.
FY21 Hurricane Ida		1,698,676	Exchange was not included in the FY23 Budget Request number.
FY22 Winter Exchange		1,060,886	Exchange was not included in the FY23 Budget Request number.
FY22 Emergency Drawdown 1		4,266,551	The Emergency Drawdown was not included in the FY23 Budget Request.
FY22 Emergency Drawdown 2a		5,084,179	The Emergency Drawdown was not included in the FY23 Budget Request.
FY22 Emergency Drawdown 2b		15,092,050	The Emergency Drawdown was not included in the FY23 Budget Request.
GOA		66,008	The Government of Australia (GOA) Return was not included in the FY23 Budget Request.
FY22 Emergency Drawdown 3a		6,935,440	The Emergency Drawdown was not included in the FY23 Budget Request.
Total	17,828,272	37,420,619	
Difference		(19,592,347)	This is the amount that we are asking to increase the WAD by.

Description	CTD Cost	ETC	Total Expected Cost
MYOS	2,971,361	58,687	3,030,048
FY21 MYOS	64,080	-	64,080
Exchange for Storage	122,700	-	122,700
Hurricane Ida	1,698,676	-	1,698,676
Winter Exchange	1,015,616	45,270	1,060,886
Emergency Drawdown 1	3,645,007	621,544	4,266,551
Emergency Drawdown 2a	4,315,653	768,577	5,084,230
Emergency Drawdown 2b	43,968	15,048,032	15,092,000
GOA	66,008	-	66,008
Emergency Drawdown 3a	-	6,935,440	6,935,440
Total	13,943,070	23,477,550	37,420,619

Sale/Exchange	WBS Element	WBS Description	Cost Element	Cost Element Description	CTD \$ Actual
MYOS	01780003-80-06	NO MYOS RMAIP CRYPTOGRAPHIC CAPABILITY	50500	DS Hardware Maint.	\$22,283
MYOS	01800001-80-05	NO MYOS 3RD PARTY INSPECTION/TESTING SER	50330	Inspctns/Test/Survey	\$324,790
Emergency Drawdown 1	01800031-22-01	NO 30MMB EMERG DRAWDOWN 3RD PARTY TEST	50330	Inspctns/Test/Survey	\$176,875
Emergency Drawdown 2a	01800031-22-02	NO FY22 EMERG DRAWDOWN #2A 3RD PARTY TEST	50330	Inspctns/Test/Survey	\$121,240
Emergency Drawdown 2a	01800032-22-02	NO FY22 EMERG DRWDOWN #2A CRUDE OIL LOGIS	50030	Technical Support	\$0
Emergency Drawdown 1	01800035-22-01	NO EMERGENCY DRAWDOWN H2S SCAVENGER	50405	Services - Other	\$513,964
Emergency Drawdown 2a	01800035-22-02	NO FY22 EMERG DRAWDOWN #2A H2S SCAVENG	50405	Services - Other	\$0
Emergency Drawdown 2b	01800035-22-03	NO FY22 EMERG DRAWDOWN 2B H2S SCAVENG	50405	Services - Other	\$0
GOA	01800705-22-01	NO FY22 GOA 3RD PARTY INSPECTION TESTING	50330	Inspctns/Test/Survey	\$10,945
Hurricane Ida	01807777-17-25	BC FY 17 EXCHANGE - H2S SCAVENGER-PA	50405	Services - Other	\$1,664,392
Hurricane Ida	01807777-21-10	NO FY 2021 HURRICANE IDA 3RD PARTY INSP	50330	Inspctns/Test/Survey	\$19,704
Hurricane Ida	01807777-21-15	NO FY 2021 HURRICANE IDA COL CONSULTANT	50030	Technical Support	\$4,592
Winter Exchange	01807777-22-05	NO FY 2022 WINTER EXCHANGE 3RD PARTY INS	50330	Inspctns/Test/Survey	\$154,270
Winter Exchange	01807777-22-06	NO FY 2022 WINTER EXCHANGE COL CONSULT	50030	Technical Support	\$1,348
Winter Exchange	01807777-22-07	NO FY 2022 WINTER EXCHANGE H2S SCAVENGER	50405	Services - Other	\$36,649
Emergency Drawdown 1	02700001-22-01	BM 30MMB EMERGENCY DRAWDOWN SEAWAY TERM	50256	Terminaling	\$1,614,041
Emergency Drawdown 2a	02700001-22-02	BM FY22 EMERG DRWDOWN #2A SEAWAY TERMINAL	50256	Terminaling	\$3,128,772
MYOS	02700001-80-05	BM MYOS SEAWAY TERMINALING	50256	Terminaling	\$769,114
MYOS	02730001-80-05	BM MYOS LOE SITE ENVIRONMENTAL	50225	Laboratory Supplies	\$13,877
MYOS	02790001-80-01	BM MYOS CORRECTIVE MAINTENANCE (CM) SITE	50010	Labor - Overtime	\$36,738
MYOS	02790001-80-01	BM MYOS CORRECTIVE MAINTENANCE (CM) SITE	50200	Materials: P/M/V/A	\$612
MYOS	02790001-80-01	BM MYOS CORRECTIVE MAINTENANCE (CM) SITE	50215	Equipment & Supplies	\$102
MYOS	02790001-80-05	BM MYOS CORRECTIVE MAINTENANCE (CM) SIT	50010	Labor - Overtime	\$2,968
MYOS	02790001-80-05	BM MYOS CORRECTIVE MAINTENANCE (CM) SIT	50170	Materials: I&C Elect	\$1,366
MYOS	02790001-80-05	BM MYOS CORRECTIVE MAINTENANCE (CM) SIT	50175	Materials: Inhibitor	\$13,353
MYOS	02790001-80-05	BM MYOS CORRECTIVE MAINTENANCE (CM) SIT	50190	Materials: Paint	\$38
MYOS	02790001-80-05	BM MYOS CORRECTIVE MAINTENANCE (CM) SIT	50200	Materials: P/M/V/A	(\$64,281)
Emergency Drawdown 1	02790031-22-01	BM 30MMB EMERG DRAWDOWN CORRECTIVE MAINT	50010	Labor - Overtime	\$16,035
Emergency Drawdown 1	02790031-22-01	BM 30MMB EMERG DRAWDOWN CORRECTIVE MAINT	50200	Materials: P/M/V/A	\$0
Emergency Drawdown 2a	02790031-22-02	BM FY22 EMERG DRWDOWN #2A CORRECT MAINTEN	50200	Materials: P/M/V/A	\$9,177
Exchange for Storage	02790031-30-30	BM EXCHANGE CORRECTIVE MAINTENANCE (CM)	50175	Materials: Inhibitor	(\$1,990)
Exchange for Storage	02790031-30-30	BM EXCHANGE CORRECTIVE MAINTENANCE (CM)	50345	Maintnce/Repair Svcs	\$970
MYOS	02800002-80-05	BM MYOS LOE WIRELINE	50420	Wireline Services	\$29,655
MYOS	02800003-80-01	BM MYOS LOE SITE OPERATIONS	50010	Labor - Overtime	\$40,729
Emergency Drawdown 1	02800031-22-01	BM EMERGENCY DRAWDOWN OPERATIONS	50010	Labor - Overtime	\$89,971
Emergency Drawdown 2a	02800031-22-02	BM FY22 EMERGENCY DRAWDOWN #2A OPERATION	50010	Labor - Overtime	\$60,321
Emergency Drawdown 1	02800032-22-01	BM 30MMB EMERGENCY DRAWDOWN WIRELINE	50420	Wireline Services	\$27,720
Exchange for Storage	02800032-30-30	BM EXCHANGE LOE WIRELINE	50420	Wireline Services	\$62,280
Emergency Drawdown 1	02800033-22-22	BM EMERGENCY DRAWDOWN ROLLING OF BLINDS	50405	Services - Other	\$65,000
Winter Exchange	02807777-22-05	BM FY 2022 WINTER EXCHANGE - OPS	50010	Labor - Overtime	\$19,961
MYOS	03730001-80-05	WH MYOS LOE ES&H - ENV	50225	Laboratory Supplies	\$3,498
Emergency Drawdown 1	03730031-22-01	WH 30MMB EMERGENCY DRAWDOWN LOE ES&H-ENV	50215	Equipment & Supplies	\$3,913
MYOS	03790001-80-01	WH MYOS CORRECTIVE MAINTENANCE (CM) SITE	50010	Labor - Overtime	\$11,579
MYOS	03790001-80-06	WH MYOS CORRECTIVE MAINTENANCE (CM) SITE	50175	Materials: Inhibitor	\$38,781
MYOS	03790001-80-06	WH MYOS CORRECTIVE MAINTENANCE (CM) SITE	50375	Pigging Services	\$0
Emergency Drawdown 1	03790031-22-01	WH 30MMB EMERGENCY DRAWDOWN (CM)	50010	Labor - Overtime	\$23,583
Emergency Drawdown 1	03790031-22-01	WH 30MMB EMERGENCY DRAWDOWN (CM)	50175	Materials: Inhibitor	\$0
Emergency Drawdown 1	03790031-22-01	WH 30MMB EMERGENCY DRAWDOWN (CM)	50200	Materials: P/M/V/A	\$262,281
Emergency Drawdown 1	03790031-22-01	WH 30MMB EMERGENCY DRAWDOWN (CM)	50345	Maintnce/Repair Svcs	\$3,852
Emergency Drawdown 1	03790031-22-01	WH 30MMB EMERGENCY DRAWDOWN (CM)	50430	Equipment Rental	\$10,000
Emergency Drawdown 2a	03790031-22-02	WH FY22 EMERGENCY DRAWDOWN #2A (CM)	50010	Labor - Overtime	\$38,752
Emergency Drawdown 2a	03790031-22-02	WH FY22 EMERGENCY DRAWDOWN #2A (CM)	50430	Equipment Rental	\$1,550
Emergency Drawdown 2b	03790031-22-03	WH FY22 EMERG DRWDOWN 2B CORRECTIVE MAINT	50170	Materials: I&C Elect	\$690
Emergency Drawdown 2b	03790031-22-03	WH FY22 EMERG DRWDOWN 2B CORRECTIVE MAINT	50200	Materials: P/M/V/A	\$50,378
Emergency Drawdown 2b	03790031-22-03	WH FY22 EMERG DRWDOWN 2B CORRECTIVE MAINT	50215	Equipment & Supplies	\$50
Winter Exchange	03797777-22-05	WH FY 2022 WINTER EXCHANGE - MNT	50010	Labor - Overtime	\$0
MYOS	03800001-80-05	WH MYOS LOE WIRELINE	50420	Wireline Services	\$124,900
MYOS	03800002-80-01	WH MYOS LOE OPERATIONS	50010	Labor - Overtime	\$63,254
Emergency Drawdown 1	03800031-22-01	WH EMERGENCY DRAWDOWN OPERATIONS	50010	Labor - Overtime	\$58,346
Emergency Drawdown 2a	03800031-22-02	WH FY22 EMERGENCY DRAWDOWN #2A OPERATION	50010	Labor - Overtime	\$43,444
Emergency Drawdown 1	03800032-22-01	WH 30MMB EMERGENCY DRAWDOWN WIRELINE	50420	Wireline Services	\$33,265
Emergency Drawdown 2a	03800032-22-02	WH FY22 EMERGENCY DRAWDOWN #2A WIRELINE	50420	Wireline Services	\$9,665
Emergency Drawdown 1	03800033-22-22	WH EMERGENCY DRAWDOWN ROLLING OF BLINDS	50405	Services - Other	\$80,000
Emergency Drawdown 1	03800034-22-22	WH EMERGENCY DRAWDOWN DEPRESSURE	50430	Equipment Rental	\$19,232
MYOS	03880001-80-20	WH MYOS POWER	50555	Power/Utilities	\$619,363
Emergency Drawdown 1	03880031-22-01	WH 30MMB EMERGENCY DRAWDOWN POWER	50555	Power/Utilities	\$274,220
Emergency Drawdown 2a	03880031-22-02	WH FY22 EMERGENCY DRAWDOWN #2A POWER	50555	Power/Utilities	\$316,028
Winter Exchange	03887777-22-05	WH FY 2022 WINTER EXCHANGE - PWR	50555	Power/Utilities	\$2,855
Hurricane Ida	04737777-22-05	BC FY 2021 HURRICANE IDA EXCHANGE - ENV	50215	Equipment & Supplies	\$1,110
Winter Exchange	04737777-22-05	BC FY 2022 WINTER EXCHANGE - ENV	50225	Laboratory Supplies	\$2,540
Emergency Drawdown 1	04850031-22-01	BC 30MMB EMERG DRAWDOWN LOE ES&H-ENV	50225	Laboratory Supplies	\$0
Hurricane Ida	04797777-21-10	BC FY 2021 HURRICANE IDA EXCHANGE - CM	50010	Labor - Overtime	(\$3,437)
Winter Exchange	04797777-22-05	BC FY 2022 WINTER EXCHANGE - MNT	50215	Equipment & Supplies	\$2,497
MYOS	04800001-80-01	BC MYOS LOE OPERATIONS	50010	Labor - Overtime	\$11,515
MYOS	04800001-80-05	BC MYOS LOE WIRELINE	50420	Wireline Services	\$55,185
Emergency Drawdown 1	04800031-22-01	BC 30MMB EMERGENCY DRAWDOWN OPERATIONS	50010	Labor - Overtime	\$37,461
Emergency Drawdown 2a	04800031-22-02	BC FY22 EMERGENCY DRAWDOWN #2A OPERATION	50010	Labor - Overtime	\$17,394
Emergency Drawdown 1	04800032-22-01	BC 30MMB EMERGENCY DRAWDOWN WIRELINE	50035	Travel	\$869
Emergency Drawdown 1	04800032-22-01	BC 30MMB EMERGENCY DRAWDOWN WIRELINE	50420	Wireline Services	\$35,960
Emergency Drawdown 2a	04800032-22-02	BC FY22 EMERGENCY DRAWDOWN #2A WIRELINE	50420	Wireline Services	\$8,240
Hurricane Ida	04807777-21-10	BC FY 2021 HURRICANE IDA EXCHANGE - OPS	50010	Labor - Overtime	\$15,954
Winter Exchange	04807777-22-05	BC FY 2022 WINTER EXCHANGE - OPS	50010	Labor - Overtime	\$98,543
Winter Exchange	04807777-22-05	BC FY 2022 WINTER EXCHANGE - OPS	50420	Wireline Services	\$0
MYOS	04880001-80-20	BC MYOS POWER	50555	Power/Utilities	\$113,250
Emergency Drawdown 1	04880031-22-01	BC 30MMB EMERGENCY DRAWDOWN POWER	50555	Power/Utilities	\$218,499
Emergency Drawdown 2a	04880031-22-02	BC FY22 EMERGENCY DRAWDOWN #2A POWER	50555	Power/Utilities	\$147,893
Emergency Drawdown 2b	04880031-22-03	BC FY22 EMERGENCY DRAWDOWN 2B POWER	50555	Power/Utilities	\$43,968
Hurricane Ida	04887777-21-10	BC FY 2021 HURRICANE IDA EXCHANGE POWER	50555	Power/Utilities	(\$3,638)
Winter Exchange	04887777-22-05	BC FY 2022 WINTER EXCHANGE POWER	50555	Power/Utilities	\$119,666
MYOS	08730001-80-05	BH MYOS LOE SITE ES&H - ENV	50225	Laboratory Supplies	\$11,017
Emergency Drawdown 1	08730031-22-01	BH 30MMB EMERGENCY DRAWDOWN LOE ES&H-ENV	50225	Laboratory Supplies	\$775
Winter Exchange	08737777-22-05	BH FY 2022 WINTER EXCHANGE - ENV	50225	Laboratory Supplies	\$5,103
MYOS	08790001-80-01	BH MYOS CORRECTIVE MAINTENANCE (CM) SITE	50010	Labor - Overtime	\$40,225
MYOS	08790001-80-01	BH MYOS CORRECTIVE MAINTENANCE (CM) SITE	50170	Materials: I&C Elect	\$6,612
Emergency Drawdown 1	08790031-22-01	BH 30MMB EMERG DRAWDOWN CORRECTIVE MAINT	50010	Labor - Overtime	\$5,930
Emergency Drawdown 2a	08790031-22-02	BH FY22 EMERG DRWDOWN #2A CORRECT MAINT	50010	Labor - Overtime	\$30,396
Emergency Drawdown 2a	08790031-22-02	BH FY22 EMERG DRWDOWN #2A CORRECT MAINT	50170	Materials: I&C Elect	\$3,134
Emergency Drawdown 2a	08790031-22-02	BH FY22 EMERG DRWDOWN #2A CORRECT MAINT	50200	Materials: P/M/V/A	\$2,225
Winter Exchange	08797777-22-05	BH FY 2022 WINTER EXCHANGE - MNT	50010	Labor - Overtime	\$62,305
Winter Exchange	08797777-22-05	BH FY 2022 WINTER EXCHANGE - MNT	50170	Materials: I&C Elect	\$1,423
Winter Exchange	08797777-22-05	BH FY 2022 WINTER EXCHANGE - MNT	50200	Materials: P/M/V/A	\$74
Winter Exchange	08797777-22-05	BH FY 2022 WINTER EXCHANGE - MNT	50345	Maintnce/Repair Svcs	\$7,509

Sale/Exchange	WBS Element	WBS Description	Cost Element	Cost Element Description	CTD \$ Actual
MYOS	08800001-80-05	BH MYOS LOE WIRELINE	50420	Wireline Services	\$131,970
MYOS	08800002-80-01	BH MYOS LOE OPERATIONS	50010	Labor - Overtime	\$101,376
Emergency Drawdown 1	08800031-22-01	BH 30MMB EMERGENCY DRAWDOWN OPERATIONS	50010	Labor - Overtime	\$2,932
Emergency Drawdown 2a	08800031-22-02	BH FY22 EMERGENCY DRAWDOWN #2A OPERATION	50010	Labor - Overtime	\$35,774
Exchange for Storage	08800031-30-30	BH EXCHANGE LOE WIRELINE	50420	Wireline Services	\$61,440
Emergency Drawdown 1	08800032-22-01	BH 30MMB EMERGENCY DRAWDOWN WIRELINE	50420	Wireline Services	\$7,995
Winter Exchange	08807777-22-05	BH FY 2022 WINTER EXCHANGE - OPS	50010	Labor - Overtime	\$76,570
Winter Exchange	08807777-22-05	BH FY 2022 WINTER EXCHANGE - OPS	50420	Wireline Services	\$34,470
MYOS	08880001-80-20	BH MYOS POWER	50555	Power/Utilities	\$455,810
MYOS	08880001-80-25	BH MYOS POWER	50555	Power/Utilities	\$55,763
Emergency Drawdown 1	08880031-22-01	BH 30MMB EMERGENCY DRAWDOWN POWER	50555	Power/Utilities	\$62,287
Emergency Drawdown 2a	08880031-22-02	BH FY22 EMERGENCY DRAWDOWN #2A POWER	50555	Power/Utilities	\$290,528
GOA	08880705-22-01	BH FY22 GOVERNMENT OF AUSTRALIA POWER	50555	Power/Utilities	\$55,063
Winter Exchange	08887777-22-05	BH FY 2022 WINTER EXCHANGE POWER	50555	Power/Utilities	\$389,832
				Total	\$13,943,070

Monthly Summary of Obligations and Costs
FY22 Emergency Drawdown
as of June 29, 2022

Obligations	Plan	LRE	Actual	Summary
				The FY22 Emergency Drawdown 1 was planned at \$7.5M, FY22 Emergency Drawdown 2a was planned at \$7.0M and FY22 Emergency Drawdown 2b at \$15.1M. Current obligations are \$17.0M for H2S scavenger (\$12.9M), terminaling (\$1.6M), power (\$1.1M), overtime (\$460K), inspections (\$352K), wirelines (\$291K), rolling the blinds (\$145K), repairs (\$91K), inhibitor (\$21K), depressure equipment (\$19K), consulting (\$10) and environmental supplies (\$8K). The LRE is \$5.2M less than plan as a result of lower terminaling (\$2.5M), power (\$1.8M), wirelines (\$298K), inspections (\$221K), construction delays contingency (\$200K), environmental supplies (\$61K), overtime (\$47K), consulting (\$40K), H2S scavenger (\$20K), depressure equipment (\$11K) and aircraft rental (\$10K), partially offset by higher rolling the blinds (\$45K), repairs (\$16K) and inhibitor (\$3K).
M&O Contractor	\$ 29,599,278	\$ 24,442,780	\$ 16,999,063	
DOE Contracts	\$ 2,702,978	\$ 2,702,978	\$ -	
Total	\$ 32,302,256	\$ 27,145,758	\$ 16,999,063	

FY 2022 Emergency Drawdown 1 (April - May) 30.2MMB				
Costs	Plan	LRE	Actual	Summary
				The FY22 Emergency Drawdown 1 was planned at \$7.5M. Incurred costs are \$3.6M for terminaling (\$1.6M), power (\$555K), H2S scavenger (\$514K), repairs (\$276K), overtime (\$234K), inspections (\$177K), rolling the blinds (\$145K), wirelines (\$106K), depressure equipment (\$19K) and environmental supplies (\$1K). The LRE is \$3.3M less than plan as a result of lower terminaling (\$1.5M), power (\$1.2M), wirelines (\$212K), construction delays contingency (\$200K), inspections (\$147K), environmental supplies (\$27K), consulting (\$25K), overtime (\$22K), depressure equipment (\$11K) and aircraft rental (\$5K), partially offset by higher repairs (\$86K), rolling the binds (\$45K) and inhibitor (\$3K).
M&O Contractor	\$ 7,521,873	\$ 4,266,551	\$ 3,645,007	
DOE Contracts	\$ 597,978	\$ 597,978	\$ -	
Total	\$ 8,119,851	\$ 4,864,529	\$ 3,645,007	

FY 2022 Emergency Drawdown 2a (May 15th - June 30th) 30MMB				
Costs	Plan	LRE	Actual	Summary
				The FY22 Emergency Drawdown 2a was planned at \$7.0M. Incurred costs are \$4.3M for terminaling (\$3.1M), power (\$754K), overtime (\$226K), inspections (\$121K), repairs (\$67K) and wirelines (\$18K). The LRE is \$1.9M less than plan as a result of lower terminaling (\$940K), power (\$606K), inspections (\$101K), wirelines (\$86K), repairs (\$70K), environmental supplies (\$34K), overtime (\$25K), H2S scavenger (\$20K), consulting (\$15K) and aircraft rental (\$5K).
M&O Contractor	\$ 6,985,405	\$ 5,084,230	\$ 4,315,653	
DOE Contracts	\$ 1,024,000	\$ 1,024,000	\$ -	
Total	\$ 8,009,405	\$ 6,108,230	\$ 4,315,653	

FY 2022 Emergency Drawdown 2b (June 21st - August 15th) 36.31MMB				
Costs	Plan	LRE	Actual	Summary
				The FY22 Emergency Drawdown 2b was planned at \$15.1M. Incurred costs are \$44K for BC power.
M&O Contractor	\$ 15,092,000	\$ 15,092,000	\$ 43,968	
DOE Contracts	\$ 1,081,000	\$ 1,081,000	\$ -	
Total	\$ 16,173,000	\$ 16,173,000	\$ 43,968	

DRAFT FY 2022 Emergency Drawdown 3a - 38.9 MMB
FY 2022 (August 16th - September 30th)
DEA - Based on Published SAR

FUNCTION / SUBFUNCTION	Volume (MMB):	38.9	3.2	8.3	14.6	12.9	
	TOTAL	New Orleans	Bayou Choctaw	Bryan Mound	West Hackberry	Big Hill	Explanation
SECURITY	0	0	0	0	0	0	Security costs are not included in this DEA. If the security posture changes to SECON Manning Level 3B, additional Security costs of approximately \$2.145M will be required. This would increase the estimated Emergency Drawdown cost to \$10.187M. The cost per barrel would increase from 21 cents per barrel to 26 cents per barrel.
DATA SYSTEMS	0	0	0	0	0	0	
POWER	1,659	0	281	170	711	497	Latest estimate based on published SAR volume. This includes only direct power as more cycles are expected right after the completion of this cycle.
ENVIRONMENTAL NON-LABOR	34	0	4	10	10	10	Bottles, drums, overpacks and waste removal.
ENVIRONMENTAL SUBTOTAL	34	0	4	10	10	10	
OPERATIONS							
OVERTIME	218	0	37	44	71	66	Overtime (OT) estimated using previous sales actual OT hours to barrels sold.
3 rd PARTY INSPECTION / TESTING SVCS	301	301	0	0	0	0	Estimate is based on 99 cargos estimated using the published SAR and current rates for quantity and quality inspection. Estimate includes \$34K for H2S testing.
WIRELINE SURVEYS	388	0	73	98	119	98	Interface wireline is estimated as 1 per cavern and all in-service are used for the increased rate Drawdown - 6 at BM, BH, and WH along with 3 at BC for a total of 21 wirelines. A total of 11 sonars will be taken - 3 at BM, WH, and BH along with 2 at BC. For future Drawdowns, wireline expense is likely to increase as more interface wirelines will be necessary as caverns approach the final 1MMB of usable oil.
BRINE STRING CASING	600	600	0	0	0	0	Due to ongoing Emergency Drawdowns at BH and cutting of 8-5/8" brine strings to maintain rates (BPH), funds are required replenish casing for inventory to bring those caverns back into the normal downhole configuration ready for future fill at the BH site.
CRUDE OIL COMMERCIAL CONSULTANT	55	55	0	0	0	0	Consultants will advise the M&O Contractor COL team during sales on current market conditions, logistical constraints and other industry circumstances that may impact sales. In addition, the COL Consultants may be needed to evaluate anomalies or regulatory issues that may occur during the oil sales and provide a recommended course of action. This includes FTZ Broker (\$30K).
TERMINALLING / THROUGHPUT	1,683	0	0	790	318	575	Volume based on the published SAR. There are estimated to be 8 ships total. 4 are estimated from BM at Freeport docks (\$0.79 per barrel including coastal protection). There are 4 ships estimated at Sun docks from WH and BH. Sun docks tariff is costed at the Emergency Drawdown rate of \$0.294 plus coastal protection and Sabine Neches security. Includes 1,975 MB from BH to P66 P/L at \$0.13 - rebillable from the customer. Approximately 8% of all volume is vessel.
H ₂ S SCAVENGER	2,096	2,096	0	0	0	0	There will be H2S scavenger used for BC Sour (3,225 MMB at \$0.65 per bbl). Note that there are no scavenging costs for BM volume for this Drawdown - during Drawdown 3a BM will be using blend stock and it does not require H2S scavenging.
FTZ	351	351	0	0	0	0	FTZ Costs include Duty costs and Merchandise Processing Fees. Duty is \$0.105 per barrel (at BH - 3.3 MMB) and Merchandise Processing Fees are calculated at \$550 per cargo (9 at BH).
DEMURRAGE	44	0	0	11	11	22	Demurrage is estimated at 1 claim per 3.6 vessel deliveries at \$20K per claim.
SITE PREPARATION	205	0	0	0	0	205	WH must roll blinds in preparation for the transition to deliver sweet crude. Costs include subcontractor (\$175K) and equipment rental (\$30K).
OPERATIONS SUBTOTAL	5,941	3,403	110	943	724	761	
MAINTENANCE							
AIRCRAFT RENTAL	5	5	0	0	0	0	Additional overflights as required. This is a contingency in the event of an upset condition that causes a spill or to investigate possible leaks.
OVERTIME	104	0	11	25	35	33	OT is estimated using previous sales actual OT hours to barrels sold.
RENTAL EQUIPMENT	0	0	0	0	0	0	
UNPLANNED / EQUIP REPAIRS / CONTINGENCY	284	0	71	71	71	71	Materials required for work orders. Estimate is based on previous sales.
MAINTENANCE SUBTOTAL	393	5	82	96	106	104	
CONSTRUCTION (PROJECTS PUT ON HOLD)	0	0	0	0	0	0	Delaying LE2 site construction will result in unknown additional costs to the LE2 program.
TOTAL	8,027	3,408	477	1,219	1,551	1,372	
RETURN TO OP READINESS							
SUBCONTRACTORS							
LAY UP & CLEAN HEAT EXCHANGERS	0	0	0	0	0	0	
INHIBITOR	16	0	0	7	7	2	As a result of the continuous oil movements, inhibitor for the pipelines is required once every two months.
RETURN TO OP READINESS SUBTOTAL	16	0	0	7	7	2	
TOTAL	8,043	3,408	477	1,226	1,558	1,374	

FFPO Contracts	6,935	3,408	477	1,045	1,229	777	
DOE Contracts (BM Power, Terminalling / Throughput WH and BH and Demurrage all sites)	1,107	0	0	181	329	597	DOE Contracts include: BM Power (\$170K), BM Demurrage (\$11K), WH Terminalling (\$318K), WH Demurrage (\$11K), BH Terminalling (\$575K) and BH Demurrage (\$22K).
Total	8,043	3,408	477	1,226	1,558	1,374	

No funding impact.