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| AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT | | 1. CONTRACT ID CODE | PAGE OF PAGES 1 2 |
| 2. AMENDMENT/MODIFICATION NO. 0420 | 3. EFFECTIVE DATE See Block 16C | 4. REQUISITION/PURCHASE REQ. NO. | 5. PROJECT NO. (If applicable) |
| 6. ISSUED BY Idaho Operations U.S. Department of Energy Idaho Operations 1955 Fremont Avenue Idaho Falls ID 83415 | CODE 00701 | 7. ADMINISTERED BY (If other than Item 6) Idaho Operations U.S. Department of Energy Idaho Operations 1955 Fremont Avenue MS 1221 Idaho Falls ID 83415 | CODE 00701 |
| 8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code) BATTELLE ENERGY ALLIANCE, LLC Attn: Adam Andersen P.O. BOX 1625 IDAHO FALLS ID 83415 | | (x) 9A. AMENDMENT OF SOLICITATION NO. | |
| CODE 152020629 FACILITY CODE | | 9B. DATED (SEE ITEM 11) | |
| | | x 10A. MODIFICATION OF CONTRACT/ORDER NO. DE-AC07-05ID14517 | |
| | | 10B. DATED (SEE ITEM 13) 11/09/2004 | |

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 telegram 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 telegram or letter, provided each telegram or letter 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) Net Increase: \$244,929,493.60
Fin Plan 29, May 2018

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

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| 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 date, 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) DEAR 970.5232-4, "Obligation of Funds" |

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.)

DUNS Number: 152020629

The purpose of this modification is to obligate direct funding for Fin Plan 29, May 2018 in the amount of \$85,066,271.88. In addition, this modification also obligates funding under Strategic Partnership Programs (SPP) for Fin Plan 29, May 2018 in the amount of \$159,863,221.72. See Information Pages for specific modification and obligation details.

All other terms and conditions remain unchanged.

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.

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| 15A. NAME AND TITLE OF SIGNER (Type or print) | | 16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Jeffrey C. Fogg | |
| 15B. CONTRACTOR/OFFEROR (Signature of person authorized to sign) | 15C. DATE SIGNED | 16B. UNITED STATES OF AMERICA Signature on File (Signature of Contracting Officer) | 16C. DATE SIGNED 05/29/2018 |

CONTINUATION SHEET

REFERENCE NO. OF DOCUMENT BEING CONTINUED
DE-AC07-05ID14517/0420

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NAME OF OFFEROR OR CONTRACTOR
BATTELLE ENERGY ALLIANCE, LLC

| ITEM NO. (A) | SUPPLIES/SERVICES (B) | QUANTITY (C) | UNIT (D) | UNIT PRICE (E) | AMOUNT (F) |
|-----------------|--|-----------------|-------------|-------------------|-------------------|
| 00001 | Payment: OR for Idaho U.S. Department of Energy Oak Ridge Financial Service Center P.O. Box 4368 Oak Ridge TN 37831 FOB: Destination Period of Performance: 11/09/2004 to 09/30/2024 Change Item 00001 to read as follows (amount shown is the total amount): MANAGEMENT AND OPERATIONS OF THE INL Line item value is: \$17,180,000,000.00 Incrementally Funded Amount: \$11,697,882,523.91 | | | | 17,180,000,000.00 |

SECTION B – SUPPLIES OR SERVICES AND PRICES/COSTS

Clause B. 5, Obligation of Funds is revised to read as follows:

The amount presently obligated under this Contract is as follows:

The amount presently obligated under this Contract is as follows: Details regarding the obligational authority for this modification are provided separately in the Fin Plan 29, May 2018.

Contract DE-AC07-05ID14517

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| Funds Obligated by Contract Award | \$ | - |
| FY 2005 Funding Mod Totals 05-01 thru 05-15 | \$ | 623,283,031.13 |
| FY 2006 Funding Mod Totals 06-01 thru 06-27 | \$ | 774,328,122.14 |
| FY 2007 Funding Mod Totals 07-01 thru 07-14 | \$ | 975,295,354.03 |
| FY 2008 Funding Mod Totals 08-01 thru 08-22 | \$ | 740,655,029.30 |
| FY 2009 Funding Mod Totals 09-01 thru 22 to include RA 1 thru 6 | \$ | 819,161,791.66 |
| FY 2010 Funding Mod Totals 10-01 thru 24 to include RA 1 thru 12 | \$ | 843,176,912.40 |
| FY 2011 Funding Mod Totals 11-01 thru 21 to include RA 1 and 2 | \$ | 871,596,269.64 |
| FY 2012 Funding Mod Totals 12-01 thru 23 to include RA 1 and 3 | \$ | 805,795,946.74 |
| FY 2013 Funding Mod Totals 13-01 thru 18 to include RA 1-3 | \$ | 712,642,634.14 |
| FY 2014 Funding Mod Totals 14-01 thru 23 | \$ | 811,803,619.42 |
| FY 2015 Funding Mod Totals 15-01 thru 17 to include RA 15-01 | \$ | 860,410,525.97 |
| FY 2016 Funding Mod Totals 16-01 thru 22 | \$ | 977,579,395.50 |
| FY 2017 Funding Mod Totals 17-01 thru 16 | \$ | 1,031,504,895.09 |

FY 2018 Funding Mods 18-

| | | |
|---|----|----------------|
| Funds Obligated by Modification No. 409 Fin Plan 18 | \$ | 113,829,980.52 |
| Funds Obligated by Modification No. 409 Fin Plan 18 - SPP Funding | \$ | 2,556,136.20 |
| Funds Obligated by Modification No. 410 Fin Plan 19 | \$ | 16,322,504.59 |
| Funds Obligated by Modification No. 410 Fin Plan 19 - SPP Funding | \$ | 73,728,767.17 |
| Funds Obligated by Modification No. 412 Fin Plan 20 | \$ | 15,973,435.01 |
| Funds Obligated by Modification No. 412 Fin Plan 21 - SPP Funding | \$ | 8,286,199.93 |
| Funds Obligated by Modification No. 413 Fin Plan 22 | \$ | 55,979,185.05 |
| Funds Obligated by Modification No. 413 Fin Plan 23 - SPP Funding | \$ | 48,884,187.87 |
| Funds Obligated by Modification No. 414 Fin Plan 24 | \$ | 39,023,888.44 |

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| Funds Obligated by Modification No. 414 Fin Plan 24 - SPP Funding | \$ | 4,560,992.10 |
| Funds Obligated by Modification No. 415 Fin Plan 25 | \$ | 52,413,180.23 |
| Funds Obligated by Modification No. 415 Fin Plan 25 - SPP Funding | \$ | 1,796,230.75 |
| Funds Obligated by Modification No. 416 Fin Plan 27 | \$ | 17,496,421.19 |
| Funds Obligated by Modification No. 416 Fin Plan 27 - SPP Funding | \$ | 34,742,571.04 |
| Funds Obligated by Modification No. 418 Fin Plan 28 | \$ | 109,316,890.95 |
| Funds Obligated by Modification No. 418 Fin Plan 28 - SPP Funding | \$ | 10,808,932.11 |
| Funds Obligated by Modification No. 420 Fin Plan 29 | \$ | 85,066,271.88 |
| Funds Obligated by Modification No. 420 Fin Plan 29 - SPP Funding | \$ | <u>159,863,221.72</u> |
| Total Funds Obligated | \$ | 11,697,882,523.91 |