

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT		1. CONTRACT ID CODE	PAGE OF PAGES 1 2	
2. AMENDMENT/MODIFICATION NO 0394	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 PO BOX 1625 IDAHO FALLS ID 83415		(x) 9A. AMENDMENT OF SOLICITATION NO.		
CODE 152020629		FACILITY CODE		
		(x) 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)

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 date, 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 FAR 43.103 (a) (3)
	D. OTHER (Specify type of modification and authority)

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.)

Tax ID Number: 68-0588324


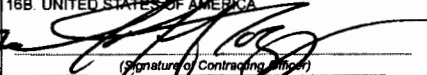
DUNS Number: 152020629

The purpose of this modification is to incorporate changes to Part III, Section J, Attachment K - Performance Evaluation Management Plan Approach. See information pages for specific 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.

15A. NAME AND TITLE OF SIGNER (Type or print) Adam D. Andersen, BEA Contracting Officer		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 4 Apr 2017	16B. UNITED STATES OF AMERICA  (Signature of Contracting Officer)	16C. DATE SIGNED 4-4-17

NSN 7540-01-152-8070
Previous edition unusable

STANDARD FORM 30 (REV. 10-83)
Prescribed by GSA
FAR (48 CFR) 53.243

CONTINUATION SHEETREFERENCE NO. OF DOCUMENT BEING CONTINUED
DE-AC07-05ID14517/0394PAGE OF
2 2NAME OF OFFEROR OR CONTRACTOR
BATTELLE ENERGY ALLIANCE LLC

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Payment: OR for Idaho U.S. Department of Energy Oak Ridge Financial Service Center P.O. Box 4368 Oak Ridge TN 37831 Period of Performance: 11/09/2004 to 09/30/2019				

The purpose of this modification is to incorporate changes made to the Fiscal Year (FY) 2017 Performance Evaluation and Measurement Plan (PEMP).

Objective 1.1, Notable Outcome 1.1.A

Old Language:

1.1.A -- *Gateway for Accelerated Innovation in Nuclear (GAIN)*

Based on input received from GAIN stakeholders during FY 2016 workshops and meetings, the following are the important activities identified for FY 2017:

- Support development of a flexible fast spectrum test reactor options study based on industry requirements;
- As a small-scale technology demonstration, complete the feasibility study for a megawatt scale critical molten salt loop with dissolved fuel; and
- Develop an electronic catalogue for MOOSE and MOOSE-based applications with a description and a set of demonstration problems for each application and make it available to industry.

New Language:

1.1.A -- *Gateway for Accelerated Innovation in Nuclear (GAIN)*

Based on input received from GAIN stakeholders during FY 2016 workshops and meetings, the following are the important activities identified for FY 2017:

- Lead development of a new flexible fast spectrum test reactor research and development program; and
- Develop an electronic catalogue for MOOSE and MOOSE-based applications with a description and a set of demonstration problems for each application and make it available to industry.

Objective 1.4, Notable Outcome 1.4.A

Old Language:

1.4.A –*University Collaboration*

Development and Implementation of a strategic systems analysis capability in support of the Office of Nuclear Energy. **(Final Notable Outcome Language TBD pending ongoing discussions)**

New Language:

1.4.A –University Collaboration

Development and implementation of a strategic systems analysis capability in support of the Office of Nuclear Energy via Energy Systems Strategies, Assessment, and Integration (ESSAI). ESSAI seeks to provide timely, quantified, and unbiased data to inform global clean energy investment and policy decisions through comprehensive, multi-disciplinary research that integrates social, economic, legal, policy, and systems-level strategic insights with a focus on the role of nuclear energy.

ESSAI studies will host projects through the Center for Advanced Energy Studies (CAES) and coordinate the outcomes through the GAIN initiative. ESSAI will combine the skills of national and international partners with a unique set of analytical capabilities required to achieve the volume and complexity of the required studies in an increasingly fast-paced and uncertain international energy market. In FY 2017, INL will achieve the following:

- Implement the ESSAI functional structure;
- INL will support the following studies, with government and industry input:
 - Economic and Market Challenges Facing U.S. Commercial Nuclear Fleet. This is a 12 month study that will be completed in FY 2018. The first phase of the study, defined with input from DOE, will be completed in FY 2017 with an interim report as the deliverable.
 - Quantifying the National Security Implications of U.S. Market Position in the Global Nuclear Supply Chain. This study will be conducted by JASON under a contract. INL will define the scope and deliverables of the study and provide the technical input needed during the conduct of the study.
- Based on the first year's experience, evaluate and provide a report on the functioning of the initial ESSAI model; suggest modifications as necessary.

Objective 2.1 Minor Revision: For consistency, a statement was added to clarify that Objective 2.1 does not have any applicable Notable Outcomes.

Objective 2.1: Provide Effective Facility Design(s) as Required to Support Laboratory Programs (i.e., activities leading up to CD-2)

As applicable, provide quality justifications for new R&D facility needs, quality conceptual and pre-conceptual designs, leveraging with existing facilities, and financing options.

Notable Outcome(s) 2.1 Provide Effective Facility Design(s) as Required to Support Laboratory Programs (i.e., activities leading up to CD-2):

- None.

Objective 2.4 Minor Revision: A period was added after “None” for the Notable Outcome section.

Objective 2.4: Utilization of Facility(ies) to Provide Impactful S&T Results and Benefits to Internal and External User Communities

Ensures Laboratory facilities are being used to perform influential science and generating impactful S&T results, pushes the envelope of what the facility can do and/or are among the scientific leaders of the community, while balancing both internal and external user communities.

Notable Outcome(s) 2.4 Utilization of Facility(ies) to Provide Impactful S&T Results and Benefits to Internal and External User Communities:

- None.

A revised FY 2017 PEMP is included as an attachment to this modification.

(end of modification)