AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

1. CONTRACT ID CODE	PAGE OF PAGES
	1 2

2. AMENDMENT/MODIFICATION NO.	3. EFFECTIVE DATE	4. REQUISITION/PURCHASE REQ. NO.	5. PROJECT NO. *(If applicable)*
0419	See Block 16C		

6. ISSUED BY CODE 00701

Idaho Operations
U.S. Department of Energy
Idaho Operations
1955 Fremont Avenue
Idaho Falls ID 83415

7. ADMINISTERED BY *(If other than Item 6)* CODE 00701

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)*

BATTELLE ENERGY ALLIANCE, LLC
Attn: Adam Andersen
P.O. BOX 1625
IDAHO FALLS ID 83415

CODE 152020629 FACILITY CODE

(x) 9A. AMENDMENT OF SOLICITATION NO.

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)*

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: See Block 14
	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: 152020629
The purpose of this modification is to incorporate changes made to the Fiscal Year (FY) 2018 Performance Evaluation and Measurement Plan (PEMP). In modification no. 419, edits were made to Goals 1.0, 2.0, and 3.0; Objectives 1.1, 1.2, and 1.3; and Notable Outcomes 1.1.A, 1.1.B, 1.1.C, 1.1.D, and 1.3.A. The attached Information Pages provide the details for the revised sections. A full version of the revised FY 2018 PEMP is also attached.

Modification Authority: FAR 43.103(a)(3), "Types of Contract Modifications."

The FY 2018 PEMP remains in effect through September 30, 2018.

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)*
Adam D. Andersen, BEA Contracting Officer	Jeffrey C. Fogg

15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA	16C. DATE SIGNED
Adam D. Andersen Andersen, Adam D (ANDEAD) 2018.05.07 11:13:11 -06'00'		Jeffrey C. Fogg 2018.05.08 09:02:36 -06'00' (Signature of Contracting Officer)	

NAME OF OFFEROR OR CONTRACTOR
BATTELLE ENERGY ALLIANCE, LLC

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	All other terms and conditions remain unchanged. 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 09/30/2024				

INFORMATION PAGES
MODIFICATIONS

The purpose of this modification is to incorporate changes made to the Fiscal Year (FY) 2018 Performance Evaluation and Measurement Plan (PEMP).

Goal 1.0

Old Language:

Goal 1.0 – *Efficient and Effective Mission Accomplishment*

The **Efficient and Effective Mission Accomplishment** Goal measures the overall effectiveness and performance of the Laboratory in delivering science and technology results which contribute to and achieve the DOE's mission of protecting our national and economic security by providing world-class scientific research capacity and advancing scientific knowledge and which enhance the DOE's mission for the INL. INL's mission includes major objectives of establishing the INL as the preeminent, internationally-recognized Laboratory in nuclear energy technologies (including advanced fuel cycles), establishing the INL as a major national security technology development and demonstration center, enhancing the INL's role as a multi-disciplinary research center contributing to other national goals, obtaining international recognition in the science and engineering fields and consistent with its missions, making INL's unique scientific and technical capabilities, resources and services available to DOE, other Federal agencies, state and local governments, academia, and the private sector.

The following is a sampling of factors to be considered in determining the level of performance for the Laboratory against these mission objectives:

- Impact of Research, Development, Demonstration and Deployment (RDD&D) results on the field, as measured primarily by peer review and/or customer/industry/university/national laboratories feedback;
- Impact of publications on the field, as measured primarily by peer review;
- Impact of RDD&D results outside the field indicating broader interest;
- Impact of RDD&D results on DOE or other customer mission(s);
- Successful stewardship of mission-relevant research areas;
- Delivery on RDD&D plans;
- Significant awards (Nobel Prizes, R&D 100, FLC, etc.);
- Technical leadership through organization of national and international symposia;
- Invited talks, citations, making high-quality data available to the scientific community; and

- Development of tools and techniques that become standards or widely-used in the scientific community.
- Public accessibility of publications and research results as per DOE guidance.

Other factors which also may be considered in determining the level of performance include, but are not limited to:

- Leadership of key national and international organizations and committees;
- Development of new capabilities that enable principal missions;
- Engagement with the Nuclear Industry and Nuclear-Related Companies/Regulators;
- Technology Transfer, Deployment and Commercialization;
- Regional, National and International Partnerships; and
- Impact of national user facilities on research programs at other national institutions.

The above factors to consider for measuring performance are neither inclusive nor are they intended to be a checklist for meeting performance expectations of the Objectives under Goal 1.0. The evaluation of each Objective will use a combination of relevant factors.

New Language:

Goal 1.0 – *Efficient and Effective Mission Accomplishment*

The **Efficient and Effective Mission Accomplishment** Goal measures the overall effectiveness and performance of the Laboratory in delivering science and technology results which contribute to and achieve the DOE's mission of protecting our national and economic security by providing world-class scientific research capacity and advancing scientific knowledge and which enhance the DOE's mission for the INL. INL's mission includes achieving a positive impact on DOE-NE's strategic objective to revive, revitalize, and expand nuclear energy to ensure the reliability and resiliency of baseload power in meeting the Nation's energy needs, further national recognition and use of the INL as a major national security technology development and demonstration center, enhancing the INL's role as a multi-disciplinary research center contributing to other national goals, obtaining international recognition in the science and engineering fields and consistent with its missions, making INL's unique scientific and technical capabilities, resources and services available to DOE, other Federal agencies, state and local governments, academia, and the private sector.

The following is a sampling of factors to be considered in determining the level of performance for the Laboratory against these mission objectives:

- Impact of Research, Development, Demonstration and Deployment (RDD&D) results on the field, as measured primarily by peer review and/or customer/industry/university/national laboratories feedback;
- Impact of publications on the field, as measured primarily by peer review;
- Impact of RDD&D results outside the field indicating broader interest;
- Impact of RDD&D results on DOE or other customer mission(s);
- Successful stewardship of mission-relevant research areas;
- Delivery on RDD&D plans;
- Significant awards (Nobel Prizes, R&D 100, FLC, etc.);
- Technical leadership through organization of national and international symposia;
- Invited talks, citations, making high-quality data available to the scientific community; and
- Development of tools and techniques that become standards or widely-used in the scientific community.
- Public accessibility of publications and research results as per DOE guidance.

Other factors which also may be considered in determining the level of performance include, but are not limited to:

- Leadership to advance research and development of nuclear energy systems through public/private partnerships;
- Initiative to reduce the time and costs associated with development and qualification of nuclear materials and fuels;
- How well INL provides DOE-NE with technical support for the safe and secure storage, transportation, treatment, and/or disposition of existing inventory of civilian and defense spent nuclear fuel (SNF) and high-level radioactive waste (HLW);
- Leadership of key national and international organizations and committees;
- Development of new capabilities that enable principal missions;
- Engagement with the Nuclear Industry and Nuclear-Related Companies/Regulators;
- Technology Transfer, Deployment and Commercialization;
- Regional, National and International Partnerships; and
- Impact of national user facilities on research programs at other national institutions.

The above factors to consider for measuring performance are neither inclusive nor are they intended to be a checklist for meeting performance expectations of the Objectives under Goal 1.0. The evaluation of each Objective will use a combination of relevant factors.

Objective 1.1

Old Language:

1.1 – *Nuclear Energy*

Lead and implement relevant, high impact RDD&D programs. Establish the INL as the preeminent, internationally-recognized Laboratory in nuclear energy technologies (including advanced fuel cycles). The primary focus areas include, but are not limited to the following:

New Language:

1.1 – *Nuclear Energy*

Lead and implement relevant, high impact RDD&D programs. Continue to build on the INL's position as the preeminent, internationally-recognized Laboratory in nuclear energy technologies (including advanced fuel cycles). The primary focus areas include, but are not limited to the following:

Objective 1.1, Notable Outcome 1.1.A

Old Language:

1.1.A – *Fast Spectrum Test Reactor*

Based on input received from Gateway for Accelerated Innovation in Nuclear (GAIN) stakeholders during FY 2017 workshops and meetings, lead a multi-laboratory research and development effort to create a proposal, including core design requirements and safety basis specifications, for a new flexible fast neutron facility with world-class experimental capability. Also, lead a multi-laboratory research and development effort to issue the Research & Development (R&D) plan and initiate its execution.

New Language:

1.1.A – *Versatile Advanced (fast) Test Reactor*

Based on input received from Gateway for Accelerated Innovation in Nuclear (GAIN) stakeholders during FY 2017 workshops and meetings and in support of the DOE-NE priority for Advanced Reactor Pipeline, lead a multi-laboratory research and development effort to create a proposal,

including core design requirements and safety basis specifications, for a new versatile advanced (fast) test reactor with world-class experimental capability. Also, lead a multi-laboratory research and development effort to issue the Research & Development (R&D) plan and initiate its execution.

Objective 1.1, Notable Outcome 1.1.B

Old Language:

1.1.B – *Modeling and Simulation*

The Transient Reactor Test Facility (TREAT) multiphysics modeling team has performed extensive work in validation of Rattlesnake methods for steady state and transient calculations. A model of the Multi-SERTTA experiment has been developed and tested; cross section generation to accurately generate cross sections is underway. In FY 2018, transient calculations for a fully coupled reactor model with the Multi-SERTTA within the model will be performed and documented. This work will allow the calculation of power generation as a function of time during a transient, sufficient to finalize Multi-SERTTA filter designs, and operational parameters for testing with unirradiated Accident Tolerant Fuel (ATF) candidates.

New Language:

1.1.B – *Modeling and Simulation*

The Transient Reactor Test Facility (TREAT) multiphysics modeling team has performed extensive work in validation of MOOSE-based reactor physics methods for steady state and transient calculations. A model of the initial Multi-SERTTA experiment design was developed and tested in FY 2017 and compared in independent simulations. Two experimental test series are planned for FY 2018. In the spring, ATF-3 transient prescription measurements will be performed with the M8CAL test vehicle; MARCH-SETH capsule qualification and demonstration tests will take place later in the year. In support of these experiments, transient calculations for a fully coupled reactor model based on these configurations will be performed and documented. This work will allow the calculation of power generation as a function of time during a transient and operational parameters for testing with unirradiated accident tolerant fuel (ATF) candidates. This Notable Outcome supports the following DOE-NE priorities: Existing Nuclear Fleet and Advanced Reactor Pipeline.

Objective 1.1, Notable Outcome 1.1.C

Old Language:

1.1.C – *Fuels*

a. Initiate irradiation of the AGR-5/6/7 tristructural isotropic (TRISO) fuels experiment in the Advanced Test Reactor (ATR). The AGR-5/6/7 experiment will combine fuel qualification and fuel performance margin testing experiments, and is the last of the planned TRISO fuels irradiation experiments. The test train will include a single fuel type, fabricated by a commercial vendor and considered to be the reference fuel design for qualification. Variations in capsule conditions (burnup, fast fluence, and temperatures) will provide both fuel performance qualification data and margin test data (i.e., beyond operating temperature envelope);
b. Conduct transient prescription modeling to validate TREAT's ability to execute fuel safety research relevant to both overpower (RIA) and undercooling (LOCA) type transients. A specific focus is on preparation for ATF testing. In addition, as part of the preparations for meaningful ATF-related TREAT tests, utilize model based predictions and verifications as part of planned calibration tests.

New Language:

1.1.C – *Fuels*

In support of the DOE-NE priorities for Advanced Reactor Pipeline and Existing Nuclear Fleet, complete the following:

a. Initiate irradiation of the AGR-5/6/7 tristructural isotropic (TRISO) fuels experiment in the Advanced Test Reactor (ATR). The AGR-5/6/7 experiment will combine fuel qualification and fuel performance margin testing experiments, and is the last of the planned TRISO fuels irradiation experiments. The test train will include a single fuel type, fabricated by a commercial vendor and considered to be the reference fuel design for qualification. Variations in capsule conditions (burnup, fast fluence, and temperatures) will provide both fuel performance qualification data and margin test data (i.e., beyond operating temperature envelope);
b. Conduct transient prescription modeling to validate TREAT's ability to execute fuel safety research relevant to both overpower (RIA) and undercooling (LOCA) type transients. A specific focus is on preparation for ATF testing. In addition, as part of the preparations for meaningful ATF-related TREAT tests, utilize model based predictions and verifications as part of planned calibration tests.

Objective 1.1, Notable Outcome 1.1.D

Old Language:

1.1.D – ***Digital Instrumentation and Control (I&C)/Light Water Reactors (LWRS)***

Enable deployment of digital I&C in the nuclear fleet. Digital I&C upgrades are vital for the long-term safe and continued operation of the nation's nuclear power plants. Developing and demonstrating an effective and efficient path forward for licensing and deployment of digital I&C has been elusive thus far. This has resulted in digital I&C upgrade projects at commercial nuclear power plants costing substantially more than expected, taking longer to perform, and has had a chilling effect on modernization and investments of this type in commercial nuclear power plants. This Notable Outcome involves working with the commercial nuclear power industry and the U.S. Nuclear Regulatory Commission (NRC) to develop a comprehensive strategy for implementing safety significant digital modifications. Specifically, INL will partner with industry organizations (Nuclear Energy Institute, Electric Power Research Institute) and commercial nuclear utilities to develop and publish a report on the technical basis for an approach to licensing a safety related digital I&C application for submission to NRC.

New Language:

1.1.D – ***Digital Instrumentation and Control (I&C)/Light Water Reactors (LWRS)***

In support of the DOE-NE priority for Existing Nuclear Fleet, enable deployment of digital I&C in the nuclear fleet. Digital I&C upgrades are vital for the long-term safe and continued operation of the nation's nuclear power plants. Developing and demonstrating an effective and efficient path forward for licensing and deployment of digital I&C has been elusive thus far. This has resulted in digital I&C upgrade projects at commercial nuclear power plants costing substantially more than expected, taking longer to perform, and has had a chilling effect on modernization and investments of this type in commercial nuclear power plants. This Notable Outcome involves working with the commercial nuclear power industry to develop a comprehensive strategy for implementing safety significant digital modifications. Specifically, INL will partner with industry organizations (Nuclear Energy Institute, Electric Power Research Institute) and commercial nuclear utilities to develop and publish a report on the technical basis for an approach to licensing a safety related digital I&C application for submission to NRC.

Objective 1.2

Old Language:

1.2 – *National and Homeland Security (N&HS)*

Lead and implement relevant, high impact RDD&D programs. Establish the INL as a major center for national security technology development and demonstration. The primary focus areas include, but are not limited to the following:

- Critical infrastructure protection technology RDD&D in technology focus areas of industrial control systems cyber security, wireless communications, and grid reliability and security;
- Armor production which meets Department of the Army cost, production schedules, and quality requirements for Specific Manufacturing Capability (SMC) and explosives/blast protection;
- Nuclear nonproliferation and emergency response technology RDD&D and training including work with special nuclear materials; and
- Applied solutions to satisfy requirements for Defense and Intelligence Community customers.

New Language:

1.2 – *National and Homeland Security*

Lead and implement relevant, high impact RDD&D programs. Advance grid security, resiliency and reliability through control systems cyber security innovation and further national recognition and use of the INL as a major center for national security technology development and demonstration. The primary focus areas include, but are not limited to the following:

- Critical infrastructure resilience and protection RDD&D in focus areas of industrial control systems cyber security, infrastructure assurance, wireless communications, and grid reliability and security;
- Armor production which meets Department of the Army cost, production schedules, and quality requirements for Specific Manufacturing Capability (SMC) and explosives/blast protection;
- Nuclear nonproliferation and emergency response technology RDD&D and training including work with special nuclear materials; and
- Applied solutions to satisfy requirements for Defense, homeland security, and Intelligence Community customers.

Objective 1.3

Old Language:

1.3 – *Science and Technology Addressing Broad DOE Missions*

Lead and implement relevant, high impact RDD&D programs. Establish the INL as a multi-program National Laboratory with world-class nuclear capabilities. The primary focus areas include, but are not limited to the following:

- Science based performance assessment for energy storage, bioenergy and environmental systems;
- Clean energy integration design, test, control, and validation; and
- Advanced manufacturing and energy critical materials.

New Language:

1.3 – *Science and Technology Addressing Broad DOE Missions*

Lead and implement relevant, high impact RDD&D programs that support DOE's energy missions. Enhance INL's capabilities as a multiprogram National Laboratory with world-class nuclear and associated energy research capabilities. The primary focus areas include, but are not limited to the following:

- Research and development of integrated energy systems; including but not limited to energy storage, bioenergy, and other relevant clean energy systems;
- Advanced manufacturing and energy critical materials; including research vital to ensuring the long-term competiveness of U.S. industry; and
- Provide basic research to support key areas of DOE's energy missions.

Objective 1.3, Notable Outcome 1.3.A

Old Language:

1.3.A – *Electric Vehicle Technology*

INL researchers are tasked with:

1. Understanding how performance fades in batteries with higher specific energy,
2. Identifying technology gaps associated with 500 Wh/kg and 1000 cycles of durability, and

3. Collecting, storing and analyzing data.

Submit manuscripts for publication detailing both technology gaps and uniform, appropriate means for reporting data acquisition and analysis. To enable a steady transition from bench scale to commercialization, and to facilitate mining of large data sets, the battery community needs standardized approaches for data acquisition and reporting. It also needs to better understand how performance fades on the full-cell level and on the materials level. Understanding performance fade and standardizing data handling are integral to meeting DOE's goals for the Battery500 project.

INL researchers will submit at least four manuscripts to journals (at least two detailing data reporting, analysis and processing needs) with a minimum impact factor of three and a combined impact factor of at least 24. This will help drive needed uniformity and continue to build INL's scientific leadership role performing research of national and international importance.

New Language:

1.3.A – *Electric Vehicle Technology*

INL researchers are tasked with:

1. Understanding how performance fades in batteries with higher specific energy,
2. Identifying technology gaps associated with 500 Wh/kg and 1000 cycles of durability, and
3. Collecting, storing and analyzing data.

INL researchers will submit at least four manuscripts to journals (at least two detailing data reporting, analysis, and processing needs) with a minimum impact factor of three and a combined impact factor of at least 24. This will help enable a steady transition from bench scale to commercialization, and continue to build INL's scientific leadership role performing research of national and international importance.

Goal 2.0

Old Language:

Goal 2.0 – *Efficient and Effective Stewardship and Operation of Research Facilities*

This Goal is applicable to the major research facilities at the INL to include those under the Advanced Test Reactor (ATR) National Scientific User Facility (NSUF), ATR, Materials and Fuels Complex (MFC), Wireless National User Facility, Biomass Feedstock National User Facility, Energy

Innovation Laboratory (EIL), Idaho Research Center, Energy Systems Laboratory, and Electrical Grid.

In assessing the performance of the Laboratory against this Goal, the following elements should be considered:

- Delivery of accurate and timely information required to carry out the budget formulation process and critical decision processes associated with the operation of major R&D facilities;
- The Laboratory's ability to meet the intent of DOE Order 413.3B, Program and Project Management for the Acquisition of Capital Assets;
- The extent to which the Laboratory appropriately assesses risks and contingency needs associated with the operation of major R&D facilities;
- The extent to which the Laboratory is effective in its management role and partnership with DOE;
- The availability, reliability, performance, and efficiency of Laboratory major research facility(ies);
- The degree to which relevant facilities are optimally arranged to support the user community;
- The extent to which Laboratory RDD&D is conducted to develop/expand the capabilities of the facility(ies); and
- The quality of the process used to allocate facility time to users.

New Language:

Goal 2.0 – *Efficient and Effective Stewardship and Operation of Research Facilities*

This Goal is applicable to the major research facilities at the INL to include those under the Nuclear Science User Facility (NSUF), ATR, Materials and Fuels Complex (MFC), Biomass Feedstock National User Facility, Energy Innovation Laboratory (EIL), Idaho Research Center, Energy Systems Laboratory, and National Security Test Ranges.

In assessing the performance of the Laboratory against this Goal, the following elements should be considered:

- Effectiveness in establishing and demonstrating INL as a national test bed for research, development, and demonstration of advanced nuclear energy systems—enabling Small Modular Reactors (SMR) and/or advanced reactor demonstration or development;
- Delivery of accurate and timely information required to carry out the budget formulation process and critical decision processes associated with the operation of major R&D facilities;
- The Laboratory's ability to meet the intent of DOE Order 413.3B, Program and Project Management for the Acquisition of Capital Assets;

- The extent to which the Laboratory appropriately assesses risks and contingency needs associated with the operation of major R&D facilities;
- The extent to which the Laboratory is effective in its management role and partnership with DOE;
- The availability, reliability, performance, and efficiency of Laboratory major research facility(ies);
- The degree to which relevant facilities are optimally arranged to support the user community;
- The degree to which the Laboratory addresses and advances the disposition of identified environmental liabilities;
- The extent to which Laboratory RDD&D is conducted to develop/expand the capabilities of the facility(ies); and
- The quality of the process used to allocate facility time to users.

Goal 3.0

Old Language:

Goal 3.0 – *Sound and Competent Leadership and Stewardship of the Laboratory*

In measuring this performance Goal, the DOE evaluator(s) shall consider performance trends and outcomes in overall Contractor Leadership's planning for, integration of, responsiveness to and support for the overall success of the Laboratory. This may include, but is not limited to, the quality of Laboratory Vision/Mission strategic planning documentation and progress in realizing the Laboratory vision/mission; the ability to establish and maintain long-term partnerships/ relationships with the scientific and local communities as well as private industry that advance, expand, and benefit the ongoing Laboratory mission(s) and/or provide new opportunities/ capabilities; implementation of a robust assurance system; Laboratory and Corporate Office Leadership's ability to instill responsibility and accountability down and through the entire organization; overall effectiveness of communications with DOE; understanding, management and allocation of the costs of doing business at the Laboratory commensurate with associated risks and benefits; utilization of corporate resources to establish joint appointments or other programs/projects/activities to strengthen the Laboratory; and advancing excellence in stakeholder relations to include good corporate citizenship within the local community.

New Language:

Goal 3.0 – *Sound and Competent Leadership and Stewardship of the Laboratory*

In measuring this performance Goal, the DOE evaluator(s) shall consider performance trends and outcomes in overall Contractor Leadership's planning for, integration of, responsiveness to and support for the overall success of the Laboratory. This may include, but is not limited to, contractor leadership in support of DOE-NE's strategic objective to revive, revitalize, and expand nuclear energy to ensure the reliability and resiliency of baseload power in meeting the Nation's energy needs; the quality of strategic planning and progress in realizing the Laboratory vision/mission; the ability to establish and maintain long-term partnerships/relationships with the scientific and local communities as well as private industry that advance, expand, and benefit the ongoing Laboratory mission(s) and/or provide new opportunities/capabilities; utilizing a corporate approach to managing programs, which includes collaborations with other DOE laboratories; implementation of a robust assurance system; Laboratory and Corporate Office Leadership's ability to instill responsibility and accountability down and through the entire organization; overall effectiveness of communications with DOE; understanding, management and allocation of the costs of doing business at the Laboratory commensurate with associated risks and benefits; utilization of corporate resources to establish joint appointments or other programs/projects/activities to strengthen the Laboratory; and advancing excellence in stakeholder relations to include good corporate citizenship within the local community.

A revised FY 2018 PEMP is included as an attachment to this modification.

(end of modification)