AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

1. CONTRACT ID CODE

2. AMENDMENT/MODIFICATION NO.
0090

3. EFFECTIVE DATE
See Block 16C

4. REQUISITION/PURCHASE REQ. NO.
17SC001719

5. PROJECT NO. (If applicable)

6. ISSUED BY
Brookhaven Site Office
U.S. Department of Energy
Brookhaven Site Office
53 Bell Avenue
Upton NY 11973

7. ADMINISTERED BY (If other than Item 6)

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code)
BROOKHAVEN SCIENCE ASSOCIATES, LLC
Attn: Brian Boyle
BROOKHAVEN NATIONAL LABORATORY
BLDG. 460, PO BOX 5000
UPTON NY 119735000

9A. AMENDMENT OF SOLICITATION NO.

9B. DATED (SEE ITEM 11)

10A. MODIFICATION OF CONTRACT/OFFER NO.
DE-SC0012704

10B. DATED (SEE ITEM 13)
12/22/2014

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 AFP's dated 9/07/2017 and 9/11/2017 located at BHSO.
Net Increase: $3,854,330.00

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

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)
Tax ID Number: 11-3403915
DUNS Number: 027579460
Total Amount changed from $1,854,991,773.36 to $1,858,846,103.36
Obligated Amount for this modification: $3,854,330.00

Payment:
Payment - Direct Payment
from U.S. Dept of Treasury
FOB: Destination
Period of Performance: 01/05/2015 to 01/04/2020

15A. CONTRACTID ORDER NO. IN ITEM 10A.

15B. CONTRACTOR/OFFEROR
BROOKHAVEN SCIENCE ASSOCIATES, LLC

15C. DATE SIGNED
12/22/2014

16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)
David R. Mitchell
STANDARD FORM 30 (REV. 10-83)
Prescribed by GSA
FAR (48 CFR) 53.243
<table>
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<th>ITEM NO.</th>
<th>SUPPLIES/SERVICES</th>
<th>QUANTITY</th>
<th>UNIT</th>
<th>UNIT PRICE</th>
<th>AMOUNT</th>
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<td>1,858,846,103.36</td>
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Change Item 00001 to read as follows (amount shown is the total amount):