The purpose of this modification is to obligate Department of Energy Funding in the amount of $775,150.73 TAS: 89 0243. This modification does not obligate any Non-Appropriated funding.

Pursuant to paragraph (a) of the contract clause in Section I, DEAR 970.5232-4 Obligation of Funds (DEC 2000), the amount presently obligated by the Government with respect to this contract is $1,014,358,686.30

All other terms and conditions remain unchanged.

Delivery Location Code: 000525
Oak Ridge National Laboratory
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)
Kenneth Lowell Kimbrough

15B. CONTRACTOR/OFFEROR

15C. DATE SIGNED

16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)

16B. UNITED STATES OF AMERICA

16C. DATE SIGNED
01/25/2019

STANDARD FORM 30 (REV. 10-83)
Prescribed by GSA
FAR (48 CFR) 53.243
<table>
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<th>ITEM NO. (A)</th>
<th>SUPPLIES/SERVICES (B)</th>
<th>QUANTITY (C)</th>
<th>UNIT (D)</th>
<th>UNIT PRICE (E)</th>
<th>AMOUNT (F)</th>
</tr>
</thead>
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U.S. Department of Energy Site Office
Bethel Valley Road
Building 4500N, Room 204
Oak Ridge TN 37830

Payment:

OR for Oak Ridge/OSTI
U.S. Department of Energy
Oak Ridge Financial Service Center
P.O. Box 6017
Oak Ridge TN 37831