1. CONTRACT ID CODE: DE-AC05-06OR23100

2. AMENDMENT/MODIFICATION NO.: 441

3. EFFECTIVE DATE: See Block 16C

4. REQUISITION/PURCHASE REQ. NO.: 135C001929

5. PROJECT NO. (If applicable): 00518

6. ISSUED BY: U.S. Department of Energy

   OAK RIDGE ASSOCIATED UNIVERSITIES, INC.

   P.O. BOX 117

   OAK RIDGE, TN 37830-6218

   041152224

   FACILITY CODE

7. ADMINISTERED BY: U.S. Department of Energy

   OAK RIDGE, TN 37831

   00518

   CODE

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code): Oak Ridge

   P.O. Box 2001

   Oak Ridge TN 37831

   10A. MODIFICATION OF CONTRACT/ORDER NO.

   DE-AC05-06OR23100

   10B. DATED (SEE ITEM 11)

   12/21/2005

9. A. AMENDMENT OF SOLICITATION NO.

9B. DATED (SEE ITEM 11)

   SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).

10. C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:

   X Funding Modification by authority of 52.232-22 Limitation of Funds

11. 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:

   D. OTHER (Specify type of modification and authority)

   X

   E. IMPORTANT: Contractor is not, is required to sign this document and return 0 copies to the issuing office.

12. ACCOUNTING AND APPROPRIATION DATA (If required)

   Net Increase: $8,659,129.40

   See Schedule

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.)

   Technical Services for Management of the Oak Ridge Institute for Science and Education

   The purpose of this modification is to obligate funding in the amount of $8,659,129.40 for funds received through the Work for Others program. Clause B.4 Obligation of Funds, paragraph (a) is revised as follows:

   "Pursuant to the Clause in Section I, FAR 52.232-22 entitled "Limitation of Funds," total funds in the amount of $1,598,358,220.47 are obligated herewith and made available for payment of allowable costs and maximum fee to be incurred from the effective date of this contract through the period estimated to end December 31, 2015."

   Continued ...

15A. NAME AND TITLE OF SIGNER (Type or print)

   Mary L. Crow

15B. CONTRACTOR/OFFEROR

15C. DATE SIGNED

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

   Mary L. Crow

16B. UNITED STATES OF AMERICA

   Signature on File

   01/30/2013
FOB: Destination
Period of Performance: 01/01/2006 to 12/31/2015