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|--|---------------------------------|--|--|
| AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT | | 1. CONTRACT ID CODE | PAGE OF PAGES 1 2 |
| 2. AMENDMENT/MODIFICATION NO. 345 | 3. EFFECTIVE DATE 04/11/2013 | 4. REQUISITION/PURCHASE REQ. NO. 13EM001521 | 5. PROJECT NO. (if applicable) |
| 6. ISSUED BY Savannah River Operations U.S. Department of Energy Savannah River Operations P.O. Box A Aiken SC 29802 | CODE 00901 | 7. ADMINISTERED BY (if other than Item 6) Savannah River Operations U.S. Department of Energy Savannah River Operations P.O. Box A Aiken SC 29802 | CODE 00901 |
| 8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code) SAVANNAH RIVER NUCLEAR SOLUTIONS, LLC Attn: LLOYD CLEVINGER 203 LAURENS ST SW AIKEN SC 298012421 | | (x) 9A. AMENDMENT OF SOLICITATION NO. | 9B. DATED (SEE ITEM 11) |
| CODE 798861048 | FACILITY CODE | x 10A. MODIFICATION OF CONTRACT/ORDER NO. DE-AC09-08SR22470 | 10B. DATED (SEE ITEM 13) 01/10/2008 |

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) Net Decrease: -\$3,912.40

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). |
| | C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF: |
| X | D. OTHER (Specify type of modification and authority) Clause I 53 - DEAR 970.5232-4 Obligation of Funds (Dec 2000) |

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.)

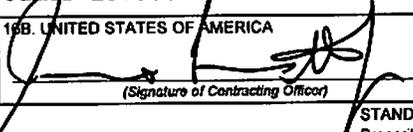
The purpose of this modification is to incorporate Contract Work Authorization No. SL-410003, Rev. 1; and obligate FY 2013 funding to CLIN 0001. In according to the following:

A. Contract Work Authorization No. SL-410003-13, Rev. 1, for Solar Eenergy, is hereby incorporated, see Attachment 1, hereto.

As stated under DEAR 970.5211-1 Work Authorization (May 2007), paragraph (b), the work authorization, whether issued bilaterally or unilaterally shall become a part of the contract.

Continued ...

Except as provided herein, all terms and conditions of the document referenced in item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

| | | | | | |
|--|--|-----------------------------|--|---|--------------------------------|
| 15A. NAME AND TITLE OF SIGNER (Type or print) L.C. Clevinger II Manager, Contracts | 15B. CONTRACTOR/OFFEROR  (Signature of person authorized to sign) | 15C. DATE SIGNED 4/11/13 | 16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) James Lovett | 16B. UNITED STATES OF AMERICA  (Signature of Contracting Officer) | 16C. DATE SIGNED 04/11/2013 |
|--|--|-----------------------------|--|---|--------------------------------|

CONTINUATION SHEET

REFERENCE NO. OF DOCUMENT BEING CONTINUED
DE-AC09-08SR22470/345

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NAME OF OFFEROR OR CONTRACTOR
SAVANNAH RIVER NUCLEAR SOLUTIONS, LLC

| ITEM NO. (A) | SUPPLIES/SERVICES (B) | QUANTITY (C) | UNIT (D) | UNIT PRICE (E) | AMOUNT (F) |
|-----------------|---|-----------------|-------------|-------------------|---------------|
| | <p>B. In accordance with SRNS FINPLAN 12, Reimbursable Work Commercial funds in the amount of (-\$3,912.40) are hereby obligated to CLIN 0001, thereby decreasing it from \$4,336,340,418.19 to \$4,336,336,505.79.</p> <p>C. As a result of this modification, Part I - Schedule, Section B, Supplies or Services and Price/Cost, paragraph B, entitled "Obligation of Funds," is hereby revised to decrease the total amount of funds obligated to the contract from \$5,736,189,503.02 to \$5,736,185,590.62.</p> <p>D. The contract estimated value and all other terms and conditions remain unchanged. FOB: Destination</p> | | | | |

Attachment 1

Contract Work Authorization No. SL-410003-13, Rev 1

Project Title: Solar Energy

**Note: Three (3) pages, inclusive of Cost and Obligation Report
Year-To-Date Values (supporting documentation)**

**U. S. DEPARTMENT OF ENERGY
CONTRACT WORK AUTHORIZATION**

| | | | |
|---|---|---|--|
| 1a. Project Title Solar Energy | | 1b. Work Proposal Number AOP #2013; Agreement No. 25835 | |
| 2. Headquarters Program Point of Contact | | | |
| Name: Minh Le | | Organization Code: | Telephone No. 202-287-1372 |
| 3. Headquarters Budget Point of Contact | | | |
| Name: Kyra Humphreys | | Organization Code: EE-3B | Telephone No. 202-586-8138 |
| 4. Responsible Program Office of Energy Efficiency and Renewable Energy | | 5. Responsible Secretarial Officer David Danielson | |
| 6. Responsible Field Organization Savannah River Site Office | | | |
| 7a. Site and Facility Management Contractor Savannah River Nuclear Solutions, LLC | | 7b. Contractor Point of Contact Name: John W. Temple Telephone No. (803) 952- 7210 | |
| 8. Work Authorization Number SL-410003-13 | | 9. Revision Number 1 | |
| 10. Funds Authorized (See NOTE below) NOTE: Work subject to funds availability and an approved "Full Year FY 2013 Continuing Resolution Act." | | | |
| Budget and Reporting Code: SL0100000 | Previous \$691,087 | Change \$209,138 | Current \$900,225 |
| 11. Performance Period Covered by Funds (See NOTE in Block 10) From: 10/1/2012 To: 9/30/2013 | | 12. Work Start Date 10/1/2012 | 13. Expected Completion Date 9/30/2013 |
| 14. Statement of Work (Includes attachments) Funding in the amount of \$209,138.00 is authorized by the Solar Energy to perform work in the areas of : The U.S. Department of Energy (DOE) SunShot Initiative and Solar Energy Technologies Program (SETP) authorizes funding in accordance with the program Annual Operating Plan (AOP). This operating plan authorizes specific funding amounts for each project and agreement, and requires detailed performance milestones and deliverable be met or completed within the period of performance. Please refer to the Work Proposal Number (1b) to determine which section(s) of the AOP for which this authorization provides funding. | | | |
| 15. DOE-SR Program Point of Contact | | | |
| Name (printed): PATRICK R. JACKSON | Signature: <i>Patrick R. Jackson</i> | Date: 3/27/13 | |
| 16. DOE-SR Budget Official (Field CFO) | | | |
| Name (typed): Harold K. Nielsen | Signature: <i>Harold K. Nielsen</i> | Date: 4/1/13 | |
| 17. Contractor's Authorized Representative | | | |
| Name (typed): John W. Temple | Signature: <i>John W. Temple for JWT</i> | Date: 4/2/13 | |
| 18. DOE Contracting Officer (or delegated representative) | | | |
| Name (typed): Scott Langston | Signature: <i>Scott Langston</i> | Date: 4/2/13 | |

89X0321 - ENERGY EFFICIENCY AND RENEWABLE ENERGY
FISCAL YEAR: 2013

36 - MANAGER, SAVANNAH RIVER OPERATIONS OFFICE

APPROVED FUNDING PROGRAM NO. 3

| B&R CODE | B&R TITLE | BRN | APPROPRIATION YEAR | TYPE | CURRENT APPROVED AMOUNT | FN | CHANGE | FN | REVISED AMOUNT |
|---|--|-----|--------------------|--------------------------------------|-------------------------|----|------------|----|----------------|
| OPERATING EXPENSES : 89X0321.91 (05450) | | | | | | | | | |
| O | BM01 | | | BIOMASS/BIOFUELS ENERGY SYSTEMS | | | | | |
| | | | 2013 | NEW OA | 187,500.00 | | 0.00 | | 187,500.00 |
| | | | | UNOB BAL | 0.00 | | 0.00 | | 0.00 |
| | | | | TOTAL OA | 187,500.00 | | 0.00 | | 187,500.00 |
| O | BM01 TOTAL, BIOMASS/BIOFUELS ENERGY SYSTEMS | | | NEW OA | 187,500.00 | | 0.00 | | 187,500.00 |
| | | | | UNOB BAL | 0.00 | | 0.00 | | 0.00 |
| | | | | TOTAL OA | 187,500.00 | | 0.00 | | 187,500.00 |
| O | EL17 | | | FEDERAL ENERGY MANAGEMENT PROGRAM | | | | | |
| | | | 2013 | NEW OA | 12,000.00 | | 0.00 | | 12,000.00 |
| | | | | UNOB BAL | 0.00 | | 0.00 | | 0.00 |
| | | | | TOTAL OA | 12,000.00 | | 0.00 | | 12,000.00 |
| O | EL17 TOTAL, FEDERAL ENERGY MANAGEMENT PROGRAM | | | NEW OA | 12,000.00 | | 0.00 | | 12,000.00 |
| | | | | UNOB BAL | 0.00 | | 0.00 | | 0.00 |
| | | | | TOTAL OA | 12,000.00 | | 0.00 | | 12,000.00 |
| O | HT | | | HYDROGEN AND FUEL CELLS TECHNOLOGIES | | | | | |
| | | | 2013 | NEW OA | 1,695,000.00 | | 0.00 | | 1,695,000.00 |
| | | | | UNOB BAL | 0.00 | | 0.00 | | 0.00 |
| | | | | TOTAL OA | 1,695,000.00 | | 0.00 | | 1,695,000.00 |
| O | HT TOTAL, HYDROGEN AND FUEL CELLS TECHNOLOGIES | | | NEW OA | 1,695,000.00 | | 0.00 | | 1,695,000.00 |
| | | | | UNOB BAL | 0.00 | | 0.00 | | 0.00 |
| | | | | TOTAL OA | 1,695,000.00 | | 0.00 | | 1,695,000.00 |
| O | SL | | | SOLAR ENERGY | | | | | |
| | | | 2013 | NEW OA | 691,087.00 | | 209,138.00 | | 900,225.00 |
| | | | | UNOB BAL | 0.00 | | 0.00 | | 0.00 |
| | | | | TOTAL OA | 691,087.00 | | 209,138.00 | | 900,225.00 |

Cost and Obligation Report YTD Values

Funding Source: All

| Appr Year | Fund Code | Legacy FT | Legacy Program | Legacy B&R | Project | WFO | Object Class | Local Use | Purchase Order | BEARS | | STARS | | Ending Uncosted | |
|--|-----------|-----------|----------------|------------|---------|---------|--------------|-----------|----------------|--------------|--------------|-------------------|---------------|-----------------|------------|
| | | | | | | | | | | BA Committed | BA Obligated | Curr Yr Obligated | Curr Yr Costs | | |
| Legacy Program Parent: SL0100000 | | | | | | | | | | | | | | | |
| 2013 | 05450 | ZA | 1005615 | SL0100000 | 0000000 | 0000000 | 25102 | 0000000 | 9999999 | 0.00 | 209,138.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2013 | 05450 | ZA | 1005615 | SL0100000 | 0000000 | 0000000 | 25400 | 0000000 | SR22470 | 0.00 | 691,087.00 | 691,087.00 | 691,087.00 | 0.00 | 691,087.00 |
| Total for Legacy Program Parent: SL0100000 | | | | | | | | | | 0.00 | 900,225.00 | 691,087.00 | 691,087.00 | 0.00 | 691,087.00 |
| Report Total | | | | | | | | | | 0.00 | 900,225.00 | 691,087.00 | 691,087.00 | 0.00 | 691,087.00 |