

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT		1. CONTRACT ID CODE	PAGE OF PAGES 1 2
2. AMENDMENT/MODIFICATION NO. 278	3. EFFECTIVE DATE See Block 16C	4. REQUISITION/PURCHASE REQ. NO. 09SC006787	5. PROJECT NO. (If applicable)
6. ISSUED BY Oak Ridge U.S. Department of Energy P.O. Box 2001 Oak Ridge TN 37831	CODE 00518	7. ADMINISTERED BY (If other than Item 6) Oak Ridge U.S. Department of Energy P.O. Box 2001 Oak Ridge TN 37831	CODE 00518
8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code) UT-BATTELLE, LLC Attn: Michael J. Freitze, Director Prime Contract Administration Post Office Box 2008 OAK RIDGE TN 37831-6231		(x) 9A. AMENDMENT OF SOLICITATION NO.	9B. DATED (SEE ITEM 11)
CODE 099114287	FACILITY CODE	X 10A. MODIFICATION OF CONTRACT/ORDER NO. DE-AC05-00OR22725	10B. DATED (SEE ITEM 11) 10/18/1999

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 Increase: \$650,000.00
See Page 2.

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) 970.5232-4 OBLIGATION OF FUNDS (DEC 2000), P.L. 111-5, and P.L. 95-91

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

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

Subj to Retent: N

Recovery TAS::89 0328::TAS

See Page 2.

FOB: Destination

Period of Performance: 04/01/2000 to 03/31/2010

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)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Mark A. Million	
15B. CONTRACTOR/OFFEROR (Signature of person authorized to sign)	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA Mark A. Million (Signature of Contracting Officer)	16C. DATE SIGNED 09/29/2009

NSN 7540-01-152-8070
Previous edition unusable

STANDARD FORM 30 (REV. 10-83)
Prescribed by GSA
FAR (48 CFR) 53.243

Block 12 “ACCOUNTING AND APPROPRIATIONS DATA,” continued.

Funds Obligated for Recovery Act Projects:

All required accounting and appropriations data, including the Treasury Accounting Symbol and Fund Code is hereby provided as Attachment 2 to this modification.

Block 14 “DESCRIPTION OF AMENDMENT/MODIFICATION,” continued.

- A. This modification is issued to obligate American Recovery and Reinvestment Act (Recovery Act) of 2009 funds in the amount of \$650,000 to the contract for the project entitled “Smart Grid Investment Grant Program (EISA 1306)”.
- B. Accordingly, pursuant to Section I Contract Clause – DEAR 970.5232-4 entitled “Obligation of Funds,” additional funds in the amount of \$650,000 are hereby obligated in support of Recovery Act activities. The total amount of funds obligated under this contract since its inception is increased from \$9,920,274,152.57 to \$9,920,924,152.57.
- C. The specific Contractor Recovery Act Statement of Work, Milestones, Outcomes and Measures, and Deliverables funded by this modification are identified in the following referenced Work Authorization(s):

Work Authorization Number	Work Authorization Title
WA No. TD-470002-20389-09 (Revision No. 1) (Attachment 1A)	Smart Grid Investment Grant Program (EISA 1306)
WA No. TD-470002-20389-09 (Revision No. 2) (Attachment 1B)	Smart Grid Investment Grant Program (EISA 1306)
(Number from Block 8 of the Work Authorization)	

- D. The work described in this modification shall be performed using funds obligated under this contract, which have been appropriated under the Recovery Act of 2009, (Pub. L. 111-5), and as such, is subject to the special statutory conditions and the additional contractual terms and conditions that are listed in section E below and previous contract modifications related to the Recovery Act. The funds obligated hereunder shall only be used to accomplish the work as set forth in section C above and may not be used for any other purpose without the prior written consent of the Contracting Officer.
- E. The Contractor shall complete all Recovery Act Work funded by this modification in accordance with Recovery Act requirements, including the required completion dates specified therein, and by the completion date identified in the approved work authorization for the activity.
- F. All other terms and conditions remain unchanged.

ATTACHMENT 1A

WORK AUTHORIZATION

U.S. DEPARTMENT OF ENERGY CONTRACT WORK AUTHORIZATION			
1a. Solicitation/Project Title: ARRA Smart Grid Investment Grant Program (EISA 1306)		1b. Work Proposal Number (if applicable): AOP# 999	
2. Headquarters Program Point of Contact: Name: Eric Lightner Organization Code: Telephone No: (202) 586-8130			
3. Headquarters Budget Point of Contact: Name: Monica Bradley Organization Code: OE-1.1 Telephone No: (202) 586-5517			
4. Responsible Program: Office of Electricity Delivery and Energy Reliability		5. Responsible Secretarial Officer: Patricia Hoffman	
6. Responsible Field Element: Oak Ridge Operations Office			
7a. Site and Facility Management Contractor: University of Tennessee - Battelle (Oak Ridge National Laboratory)		7b. Contractor Point of Contact: Name: Russ Lee Telephone No:	
8. Work Authorization Number: * TD-470002-20389-09		9. Revision Number: 1	
10. Funds Authorized during FY 2009 :			
<u>B&R Code</u>	<u>Previous</u>	<u>Change</u>	<u>Current</u>
TD5011000-05846-3123742	\$720,000	\$150,000	\$870,000
<i>9/14/09 NCL</i>			
11. Performance period covered by funds: From: 10/1/2008 To: 9/30/2010		12. Work Start Date: 10/1/2008 <i>9/14/09 NCL</i>	13. Expected Completion Date: 9/30/2010
14. Statement of Work: Funding in the amount of \$150,000 is authorized for Smart Grid Investment Program. These funds are made available for Project #20389 - Smart Grid Investment Grant Program (EISA 1306). These funds are to be distributed to Agreement # 19623-ORNL Grant Review in accordance with AOP# 999. 2006000 - The funding is needed for Russell Lee (ORNL) to support efforts involving estimation of benefits that derive from the adoption of Smart Grid technologies. Of particular concern is measuring consumer behavior with respect to the real time price of electricity. The task will include developing and implementing the necessary algorithms to assess consumer behavior, including the gathering of necessary data and reporting of analytical results. The laboratory recipient of the funds is responsible for reporting all funding obligations and costs to headquarters. The laboratory recipient must maintain obligations and cost data at the agreement level and the data must be made available to OE.			
15. Reporting Requirements: (Status reports, scientific or technical information or similar)			
16. Work Authorization Program Official:			
Name (typed): Henry Kenchington, Deputy Assistant Secretary		Signature: <i>[Signature]</i>	Date: 8/11/09
17. DOE Field Organization Official:			
Name (typed): <i>Johnny O Moore</i>		Signature: <i>[Signature]</i>	Date: 9/21/09
18. Contractor's Authorized Representative:			
Name (typed): <i>D.C. Christensen</i>		Signature: <i>[Signature]</i>	Date: 21 Sept 2009
19. DOE Contracting Officer (or delegated representative)			
Name (typed): <i>MARK A. MILLON</i>		Signature: <i>[Signature]</i>	Date: 9/18/2009
* The work authorization number will consist of the program code, AFP code, solicitation/project id and the fiscal year.			

FED 09-10350 AFP Aug

W: 10 2009



ATTACHMENT A – CONTRACTOR RECOVERY ACT PERFORMANCE REQUIREMENTS

Section A: Contractor Recovery Act Schedule or Milestone Requirements

The contractor shall perform technical merit reviews of applications received in response to the Smart Grid Investment Grant Funding opportunity Announcement. The reviews should be completed by September 30, 2009. However, additional time might be required. In addition the contractor shall oversee a team to perform reviews of SGIG proposals with respect to proposed approaches for performing consumer behavior studies that institute methods to eliminate biases. These reviews should be performed by September 30, 2009, although additional time might be required. Finally, the remainder of the funds should be applied to a current effort to develop and implement a cost-benefit estimation methodology to measure the impact of SGIG projects. A peer review of the methodology is expected to take place on September 9, 2009 and the method should be implemented by September 30, 2009.

Section B: Contractor Recovery Act Performance Outcomes and Measures

The contractor will support OE in technical merit reviews and other reviews that pertain to the expeditious review and selection of SGIG proposals so that ARRA funds can be applied as quickly as possible to create jobs and stimulate the economy. In addition, the cost-benefit estimation methodology being developed at ORNL is the principal method measure the outcome of smart grid projects with respect to economic, reliability, and environmental benefits.

Section C: Contractor Recovery Act Deliverables

- Technical Merit Reviews
- Analysis and Recommendations for Performing Consumer Behavior Studies
- A cost-benefit analysis tool and supporting documentation
- Recommendations for Data Requirements and Analysis for selected SGIG projects.

ATTACHMENT 1B

WORK AUTHORIZATION

U.S. DEPARTMENT OF ENERGY CONTRACT WORK AUTHORIZATION			
1a. Solicitation/Project Title: <u>ARAA</u> Smart Grid Investment Grant Program (EISA 1306)		1b. Work Proposal Number (if applicable): AOP# 999	
2. Headquarters Program Point of Contact: Name: Joseph Paladino Organization Code: Telephone No: (202) 586-6916			
3. Headquarters Budget Point of Contact: Name: Monica Bradley Organization Code: OE-1.1 Telephone No: (202) 586-5517			
4. Responsible Program: Office of Electricity Delivery and Energy Reliability		5. Responsible Secretarial Officer: Patricia Hoffman	
6. Responsible Field Element: Oak Ridge Operations Office			
7a. Site and Facility Management Contractor: University of Tennessee - Battelle (Oak Ridge National Laboratory)		7b. Contractor Point of Contact: Name: Russ Lee Telephone No:	
8. Work Authorization Number: TD-470002-20389-09		9. Revision Number: 2	
10. Funds Authorized during FY 2009:			
<u>B&R Code</u>	<u>Previous</u>	<u>Change</u>	<u>Current</u>
TD5011.00.0 05846 3123742	\$870,000	\$500,000	\$1,370,000
11. Performance period covered by funds: From: 10/1/2008 To: 9/30/2010		12. Work Start Date: 10/1/2008 9/14/09 <i>NCL</i>	
13. Expected Completion Date: 9/30/2010			
14. Statement of Work: Funding in the amount of \$500,000 is authorized for Smart Grid Investment Program. These funds are made available for Project #20389 - Smart Grid Investment Grant Program (EISA 1306). These funds are to be distributed to Agreement # 20117-ORNL Consumer Behavior Study and Cost/Benefit Analysis for Smart Grid Investment Grant Applications in accordance with AOP# 999. Provide support in OE's effort to establish data and analytical requirements for selected Smart Grid Investment Grant applications. The effort will utilize the cost/benefit methodology being developed by ORNL on behalf of OE, as well as other methodologies, including those proposed by the applicants. - ORNL will assemble a team of experts to examine specific SGIG applications that propose to undertake a consumer behavior study, as outlined within the SGIG FOA. The effort should be completed by September 9, 2009, although additional time might be required. ORNL will be expected to: a. Identify, recruit and oversee experts in the area of dynamic pricing (with regard to customer electricity rates) and the role of public utility commissions in setting pricing tariffs. b. Develop an assessment and set of recommendations for each SGIG application assigned to ORNL. - Continue the development and implementation of a cost-benefit analysis methodology which is currently being management by ORNL for OE. The laboratory recipient of the funds is responsible for reporting all funding obligations and costs to headquarters. The laboratory recipient must maintain obligations and cost data at the agreement level and the data must be made available to OE Recovery Act Project #2006000			
15. Reporting Requirements: (Status reports, scientific or technical information or similar)			
16. Work Authorization Program Official: Name (typed): Henry Kenchington, Deputy Assistant Secretary Signature: <i>[Signature]</i> Date: 8/20/09			
17. DOE Field Organization Official: Name (typed): <u>Johnny D. Moore</u> Signature: <i>[Signature]</i> Date:			
18. Contractor's Authorized Representative: Name (typed): <u>D.C. Christensen</u> Signature: <i>[Signature]</i> Date: 21 Sept 2009			
19. DOE Contracting Officer (or delegated representative) Name (typed): <u>Mark A. Million</u> Signature: <i>[Signature]</i> Date: 9/18/2009			
* The work authorization number will consist of the program code, AFP code, solicitation/project id and the fiscal year.			

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ATTACHMENT A – CONTRACTOR RECOVERY ACT PERFORMANCE REQUIREMENTS

Section A: Contractor Recovery Act Schedule or Milestone Requirements

The contractor shall perform technical merit reviews of applications received in response to the Smart Grid Investment Grant Funding opportunity Announcement. The reviews should be completed by September 30, 2009. However, additional time might be required. In addition the contractor shall oversee a team to perform reviews of SGIG proposals with respect to proposed approaches for performing consumer behavior studies that institute methods to eliminate biases. These reviews should be performed by September 30, 2009, although additional time might be required. Finally, the remainder of the funds should be applied to a current effort to develop and implement a cost-benefit estimation methodology to measure the impact of SGIG projects. A peer review of the methodology is expected to take place on September 9, 2009 and the method should be implemented by September 30, 2009.

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Section C: Contractor Recovery Act Deliverables

- Technical Merit Reviews
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ATTACHMENT 2

FINANCIAL PLAN REPORT

Site: OR

Report Generated on: September 24, 2009 at 07:14:51 AM

Financial Plan Report - Detail

OR22725 - UT-BATTELLE (RECOVERY ACT - 8909/100328)

Fiscal Year: 2009
Fiscal Month: 12

Financial Plan Number: 2

Contract Modification Number: -
Rpt Entity: OR OR3/OR4 - Oak Ridge National Lab, X-10, UT-Batelle

Rpt Entity	Fund Code	Leg FT	Obj. Class	Local Use	Project	WFO	Legacy Order Number	Beginning Uncosted Obs	Previous	BA Change	Revised	Total Available
470002	05846	BW	3123742	25400	0000000	2006000	0000000	0.00	720,000.00	650,000.00	1,370,000.00	1,370,000.00
AY 2009 - Work authorization number TD-470002-20389-09 Rev 1 \$150,000; Appropriation Symbol: 8909/100328 Work authorization number TD-470002-20389-09 Rev 2 \$500,000; Appropriation Symbol: 8909/100328 (Total \$1,370,000)												
									0.00	720,000.00	650,000.00	1,370,000.00
									0.00	720,000.00	650,000.00	1,370,000.00
									0.00	720,000.00	650,000.00	1,370,000.00
									0.00	720,000.00	650,000.00	1,370,000.00
									0.00	720,000.00	650,000.00	1,370,000.00
									0.00	720,000.00	650,000.00	1,370,000.00
									0.00	720,000.00	650,000.00	1,370,000.00

Total for Fund Type: BW
Total for Recipient Code: OR
Total for Reporting Entity: 470002
Total for OR22725 - UT-BATTELLE (RECOVERY ACT - 8909/100328)

Financial Plan Report - Detail

OR22725 - UT-BATTELLE (RECOVERY ACT - 8909/100328)

Fiscal Year: 2009
 Fiscal Month: 12
 Contract Modification Number: -
 Rpt Entity: OR OR3/OR4 - Oak Ridge National Lab, X-10, UT-Battelle

Agency	Obligation Change Amount
Total Appropriated Funds (Program 40):	0.00
Total DOE and Non-Appropriated Funds:	650,000.00
Grand Total:	650,000.00
Total Non-Appropriated Funds:	0.00