

To: Legacy Critique

From: Mark A. Million

Date: September 3, 2009

Please scan the attached document (Modification 259), file in Sonar, and provide electronic copies to the following personnel:

Powell, Brenda G.; Shamblin, Diana Faye; Williams, Rhonda J.; Moore, Johnny O; Carter, Lisa B; Philipp, George J; Branton, M G; Kass, M J; Davis, Carolyn Marie; Lowery, Mary K.; Albaugh, Wayne H; Crow, Mary Lou; Fietze, Michael J; Mann, Deborah U; Solmonson, Debra Kay; [jonescr@oro.doe.gov](mailto:jonescr@oro.doe.gov); [Wilsonjn@oro.doe.gov](mailto:Wilsonjn@oro.doe.gov); [Johnsonmd@oro.doe.gov](mailto:Johnsonmd@oro.doe.gov); and Million, Mark A.

If you have any questions, please call me at 576-4523.



## Department of Energy

Oak Ridge Office  
P.O. Box 2001  
Oak Ridge, Tennessee 37831

September 3, 2009

Mr. Michael J. Fietze, Director  
Prime Contract Administration  
UT-Battelle, LLC  
P.O. Box 2008  
Oak Ridge, TN 37831-6262

Dear Mr. Fietze:

### **CONTRACT NO. DE-AC05-00OR22725 - MODIFICATION NO. 259**

A fully executed copy of the subject contract modification is enclosed for your retention. This modification obligates American Recovery and Reinvestment Act (Recovery Act) of 2009 funds in the amount of \$9,419,046 to the contract for multiple Office of Energy Efficiency and Renewable Energy projects. The total amount of funds obligated under this contract since its inception is increased from \$9,804,390,812.57 to \$9,813,809,858.57.

If you have any questions, please contact me at 576-4523.

Sincerely,

A handwritten signature in black ink that reads "Mark A. Million".

Mark A. Million  
Contracting Officer

Enclosure

<b>AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT</b>		1. CONTRACT ID CODE	PAGE OF PAGES 1   3	
2. AMENDMENT/MODIFICATION NO. 259	3. EFFECTIVE DATE See Block 16C	4. REQUISITION/PURCHASE REQ. NO. 09SC006483	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: \$9,419,046.00  
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 0331::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 <i>Mark A. Million</i> (Signature of Contracting Officer)	16C. DATE SIGNED 09/03/2009

**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 \$9,419,046 to the contract for the Office of Energy Efficiency and Renewable Energy projects identified in the Work Authorizations reflected in section C below.
- B. Accordingly, pursuant to Section I Contract Clause – DEAR 970.5232-4 entitled “Obligation of Funds,” additional funds in the amount of \$9,419,046 are hereby obligated in support of Recovery Act activities. The total amount of funds obligated under this contract since its inception is increased from \$9,804,390,812.57 to \$9,813,809,858.57.
- 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 Authorizations:

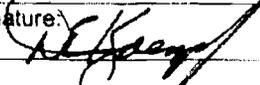
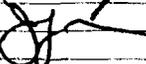
<b>Work Authorization Number</b>	<b>Work Authorization Title</b>
WA No. IF-470002-20421-09 (Attachment 1A)	Advanced Materials RD&D in Support of EERE Needs to Advance Clean Energy Technologies
WA No. WI-470002-20538-09 (Attachment 1B)	Technical Assistance for Energy Star Appliance Rebate Program and Energy Star Program
WA No. FB-470002-20454-09 (Revision 0) (Attachment 1C)	Enhance and Accelerate FEMP Service Functions to the Federal Government
WA No. FB-470002-20454-09 (Revision 1) (Attachment 1D)	Enhance and Accelerate FEMP Service Functions to the Federal Government
WA No. FB-470002-20454-09 (Revision 2) (Attachment 1E)	Enhance and Accelerate FEMP Service Functions to the Federal Government
WA No. FB-470002-20454-09 (Revision 3) (Attachment 1F)	Enhance and Accelerate FEMP Service Functions to the Federal Government
WA No. BM-470002-20650-09 (Attachment 1G)	B1 – IBR FOA Support Activities
WA No. BM-470002-20650-09 (Revision 1) (Attachment 1H)	B1 – IBR FOA Support Activities
(Numbers from Block 8 of the Work Authorizations)	

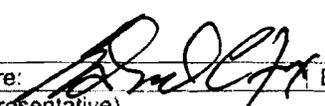
- D. The work described in this modification shall be performed using funds obligated under this contract, which have been appropriated under the Recovery Act of 2009, (Pub. L. 111-5), and as such, is subject to the special statutory conditions and the additional contractual terms and conditions that 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: Advanced Materials RD&D in Support of EERE Needs to Advance Clean Energy Technologies		1b. Work Proposal Number (if applicable):	
2. Headquarters Program Point of Contact: Name: Isaac Chan		Organization Code: EE-2F	Telephone No: (202) 586-4981
3. Headquarters Budget Point of Contact: Name: Shawn Mason		Organization Code:	Telephone No: (202) 586-8862
4. Responsible Program: Office of Energy Efficiency and Renewable Energy		5. Responsible Secretarial Officer: Steve Chalk	
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: Craig Blue Telephone No: (865) 574-4351	
8. Work Authorization Number: IF-470002-20421-09		9. Revision Number: 0	
10. Funds Authorized during FY 2009:			
<u>B&amp;R Code</u>	<u>Previous</u>	<u>Change</u>	<u>Current</u>
ED1904032-05794-1004383	\$0	\$4,500,000	\$4,500,000
11. Performance period covered by funds: From: <del>10/1/2008</del> To: <del>9/30/2009</del>		12. Work Start Date: <del>10/1/2008</del> <u>9/29/09</u>	13. Expected Completion Date: <del>9/30/2009</del> <u>9/30/2011</u>
14. Statement of Work: <u>9/29/09 - 9/30/2011 msk</u> Capital equipment funding in the amount of \$4,500,000 is authorized for Industrial Materials of the Future. These funds are made available for Solicitation #20421 - Advanced Materials RD&D in Support of EERE Needs to Advance Clean Energy Technologies. Expand collaborative activity to accelerate the transition of scientific discoveries into industrial applications, leading to improved energy efficiency throughout industry. The focus of these activities is on advancement of materials/manufacturing technology. Materials are critically important to our nation in all areas including energy, economic, and strategic security. Materials limitations to energy efficiency are usually related to inadequate performance or lifetime in severe-service environments. The success or failure of many industrial energy efficiency concepts depend on materials selection and fabrication techniques to meet the ever-increasing demands on performance and life. Materials are critical to improving our nation's energy efficiency and strategic position while enabling decreased environmental impacts. This area is crosscutting by supporting manufacturing needs of hydrogen, wind, solar, vehicles, and biomass technologies; impacting ITP's Nanomanufacturing Initiative and Energy Intensive Processes. The projects associated with this effort will partner with and leverage industry as well as state and local business incubator programs to quickly move new materials technologies into the market. 40% of the \$25M will be sent to industrial partners through existing contracts and through competitive procurements (\$8M); 46% of the funds will remain at Oak Ridge National Laboratory for RD&D efforts in direct collaboration with industry; and 14% of the funds will be dedicated to capital equipment to complement existing capabilities for utilization by industry. ARRA Code: 2004320. Funding provided in this work authorization is not approved for obligation of any type of support service contract either as a prime or subcontract award. The field AFP recipient of the funds is responsible for reporting all funding obligations and costs to the Program Management Center and headquarters. The field AFP recipient must maintain obligations and cost data at the agreement level and the data must be made available to EERE.			
15. Reporting Requirements: (Status reports, scientific or technical information or similar)			
16. Work Authorization Program Official: Name (typed): Douglas E. Kaempf, Program Manager		Signature: 	Date: <u>7/13/09</u>
17. DOE Field Organization Official: Name (typed): <u>John Mason</u>		Signature: 	Date: <u>8/14/09</u>
18. Contractor's Authorized Representative:			

Name (typed): <b>D.C. Christensen</b>	Signature: 	Date: <b>8/14/09</b>
19. DOE Contracting Officer (or delegated representative)		
Name (typed): <b>MARK A. MILLION</b>	Signature: 	Date: <b>8/13/09</b>
* The work authorization number will consist of the program code, AFP code, solicitation/project id and the fiscal year		

FED.09-6071 RA AFP Jul

## ATTACHMENT A – CONTRACTOR RECOVERY ACT PERFORMANCE REQUIREMENTS

### Section A: Contractor Recovery Act Schedule or Milestone Requirements

Task 1 - Commercialization of Titanium Heat Exchangers Fabricated from New Powders.  
Milestone 5.1 Complete and install at least one heat exchanger system with cold formed Ti sheets for evaluation at a company site for testing and evaluation in a test loop system; Month 19

Task 2 - Shear Rolling of Magnesium Sheet for Energy, Transportation, and Defense Applications.  
Milestone 5.1: Successfully fabricate component 1 using materials fabricated through new processing technology; Month 21

Task 3 - Commercialization of New Carbor Fiber Materials Based on Sustainable Resources for Energy Applications. Milestone 3.2 Demonstration of scaled up production of carbon materials for energy storage application; Month 19

Task 4 - AFA Steels. Milestone 2.4 Report relative performance of AFA steels in four application relevant environments; Month 24

Task 5 - CF8C-Plus Cast Stainless Steels. Milestone 4.1 Report on the potential for cast AFA components based on creep and environmental resistance; Month 22

Task 6 - Materials & Processing for Advanced Batteries. Milestone 4.1 Scaling of processing; Month 25

Task 7 - Photovoltaic Materials. Milestone 1.7 Third round research completed; Month 20

Task 8 - Magnetic Processing of Steel Strip and Next Generation Alloys. Milestone 4.1 Develop process parameters for continuous feed production line that includes a TMP magnetic processing stage; Month 19

### Section B: Contractor Recovery Act Performance Outcomes and Measures

All tasks described under this effort will be completed by 9-30-2011, within the budget allocated to each task. Completion of each task will be determined by the submission of a final task report to the sponsor's designated representative.

### Section C: Contractor Recovery Act Deliverables

Task 1 - Commercialization of Titanium Heat Exchangers Fabricated from New Powders.  
Deliverable, Final Report

Task 2 - Shear Rolling of Magnesium Sheet for Energy, Transportation, and Defense Applications.  
Deliverable, Final Report

Task 3 - Commercialization of New Carbor Fiber Materials Based on Sustainable Resources for Energy Applications.  
Deliverable, Establish Commercialization Plans

Task 4 - AFA Steels.  
Deliverable, Completed evaluation of as-cast AFA steel properties for cast components.

Task 5 - CF8C-Plus Cast Stainless Steels.  
Deliverable, Completed evaluation of slurry-coated CF8C-Plus steel properties

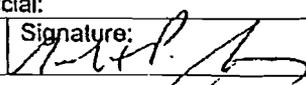
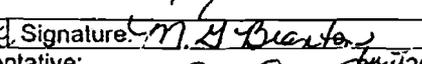
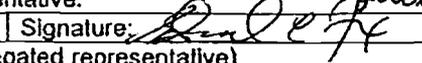
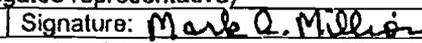
Task 6 - Materials & Processing for Advanced Batteries.  
Deliverable, Develop deposition and drying procedure for lithium ion battery coatings (electrodes and ceramic composite separators) maintaining nano-scale feature and lab-scale performance

Task 7 - Photovoltaic Materials.  
Deliverable, Final Report

Task 8 - Magnetic Processing of Steel Strip and Next Generation Alloys.  
Deliverable, Final Report

# ATTACHMENT 1B

## WORK AUTHORIZATION

U.S. DEPARTMENT OF ENERGY CONTRACT WORK AUTHORIZATION			
1a. Solicitation/Project Title: Technical Assistance for Energy Star Appliance Rebate Program and Energy Star Program		1b. Work Proposal Number (if applicable): AOP# OR22725	
2. Headquarters Program Point of Contact: Name: Mark Bailey		Organization Code:	Telephone No: (202) 586-9424
3. Headquarters Budget Point of Contact: Name: Jay Schell		Organization Code:	Telephone No: (202) 586-0660
4. Responsible Program: Office of Energy Efficiency and Renewable Energy		5. Responsible Secretarial Officer: Steve Chalk	
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: Pat M. Love Telephone No: (865) 574-4346	
8. Work Authorization Number: * WI-470002-20538-09		9. Revision Number: 0	
10. Funds Authorized during FY 2009 :			
<u>B&amp;R Code</u>	<u>Previous</u>	<u>Change</u>	<u>Current</u>
WI1100000-05794-1005113	\$0	\$2,500,000	\$2,500,000
11. Performance period covered by funds: From: 10/1/2008 To: 9/30/2009		12. Work Start Date: <del>10/1/2008</del> 8/24/09 WCL	13. Expected Completion Date: 9/30/2010
14. Statement of Work: Funding in the amount of \$2,500,000 is authorized for Energy Efficient Appliance Rebates. These funds are made available for Project #20538 - Technical Assistance for Energy Star Appliance Rebate Program and Energy Star Program. The project code is 2004380. These funds are to be distributed to Agreement # 19549-2004380 ORNL Technical Assistance to EE Appliance Rebate Program in accordance with ACP# OR22725. Provide support to the program through development and application of activities related to Energy Star Appliances in the EE Appliance Rebate Program. Funding provided in this work authorization is not approved for obligation of any type of support service contract either as a prime or subcontract award. 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 EERE.			
15. Reporting Requirements: (Status reports, scientific or technical information or similar)			
16. Work Authorization Program Official:			
Name (typed): Gilbert P. Sperling, Program Manager	Signature: 	Date: 7/6/09	
17. DOE Field Organization Official:			
Name (typed): Johnny O. Moore	Signature: 	Date: 8/28/09	
18. Contractor's Authorized Representative:			
Name (typed): D.C. Christensen	Signature: 	Date: 8/28/09	
19. DOE Contracting Officer (or delegated representative)			
Name (typed): MARK A. MILLION	Signature: 	Date: 8/26/09	
* The work authorization number will consist of the program code, AFP code, solicitation/project id and the fiscal year.			

**Section A: Contractor Recovery Act Schedule or Milestone Requirements**

Contractor will provide technical assistance to States and Territories so that they can launch market-transforming appliance rebate programs for ENERGY STAR qualified products. Contractor will assist in customizing rebate programs to reflect specific market situations, climate, and complementary programs being undertaken by utilities, manufacturers and retailers. In addition, the contractor will develop, track, and report metrics for rebate activities. States and territories must submit proposals by October 15, 2009. The metric and tracking system will be developed and implemented by January 31, 2010. Final metric and tracking reports will be due no later than March 31, 2012.

**Section B: Contractor Recovery Act Performance Outcomes and Measures**

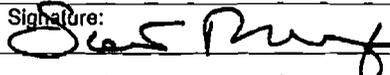
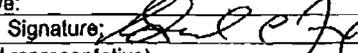
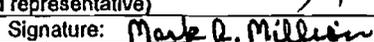
The contractor will become proficient, knowledgeable and subject matter experts in state energy efficient appliance rebate programs. The contractor will develop, implement and manage technical assistance for U.S. states and territories. This will include assistance and analysis of energy efficient appliances, especially ENERGY STAR qualified, and the tracking and monitoring of rebate program results. Assistance and monitoring opportunities will be identified through the technical assistance network established through DOE approved applications. In addition, the contractor will develop, track and report metrics for TA activities at/through Oak Ridge National Laboratories (ORNL).

**Section C: Contractor Recovery Act Deliverables**

- Program design tools that guide States in rebates program analysis and decision-making processes.
- Baseline performance metrics for measuring the success of the appliance rebate program
- Monthly rebate – related data from all States and Territories

# ATTACHMENT 1C

## WORK AUTHORIZATION

U.S. DEPARTMENT OF ENERGY CONTRACT WORK AUTHORIZATION			
1a. Solicitation/Project Title: Enhance and Accelerate FEMP Service Functions to the Federal Government		1b. Work Proposal Number (if applicable): AOP# 2004160	
2. Headquarters Program Point of Contact: Name: Shawn Herrera		Organization Code: EE-2L	Telephone No: (202) 586-1511
3. Headquarters Budget Point of Contact: Name: Sheila Traynham		Organization Code: EE-3B	Telephone No: (202) 586-9487
4. Responsible Program: Office of Energy Efficiency and Renewable Energy		5. Responsible Secretarial Officer: Steve Chalk	
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: Julia Kelley Telephone No:	
8. Work Authorization Number: * FB-470002-20454-09		9. Revision Number: 0	
10. Funds Authorized during FY 2009 :			
<u>B&amp;R Code</u>	<u>Previous</u>	<u>Change</u>	<u>Current</u>
EL1703010-05794-1004580	\$0	\$800,000	\$800,000
11. Performance period covered by funds: <sup>8/24/2009</sup> <del>6/30/2009</del> To: 9/30/2010 <sup>WLL</sup>			
12. Work Start Date: <del>6/30/2009</del> <sup>8/24/2009</sup> <sup>WLL</sup>		13. Expected Completion Date: 9/30/2010	
14. Statement of Work: Funding in the amount of \$800,000 is authorized for Direct Technical Assistance. These funds are made available for Project #20454 - Enhance and Accelerate FEMP Service Functions to the Federal Government. These funds are to be distributed to Agreement # 19079-ORNL- Technical Guidance and Assistance in accordance with AOP# 2004160. Recovery Act TAS 8909/100331.91 Project# 2004160- Enhance and Accelerate FEMP Service Functions to the Federal Government ORNL will provide technical assistance to enhance and accelerate FEMP service functions to the Federal government using the American Recovery and Reinvestment Act (ARRA) funds. ORNL will provide services in the following areas: Initial and/or feasibility of a particular technology; Project prioritization; Strategic energy planning and benchmarking; Technical reviews of designs and proposals; Energy audit training; High-performance green building technical support; Federal vehicle fleet technical support; Assessments; Retro-Commissioning; Resource Efficiency Energy Managers; Operations and maintenance; Evaluate financial strategies, procurement specifications, and acceptance of installed systems; Detail of key lab staff to work within agencies for a limited duration (normally not more than 24 months); and All of the above with special emphasis on particular technologies in the areas of the labs' expertise. ORNL will provide project management support activities to include follow-up with the agency, completion of technical assistance reports, participation in technical assistance conference calls, quarterly joule reporting, and monthly project updates to the FEMPCentral database. Technical assistance to agencies must be approved by the Federal Energy Management Program. Funding provided in this work authorization is not approved for obligation of any type of support service contract either as a prime or subcontract award. 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 EERE.			
15. Reporting Requirements: (Status reports, scientific or technical information or similar)			
18. Work Authorization Program Official:			
Name (typed): Richard G. Kidd IV, Program Manager	Signature: 	Date: 7/24/09	
17. DOE Field Organization Official:			
Name (typed): Michele G. Brabton	Signature: 	Date: 8/28/09	
18. Contractor's Authorized Representative:			
Name (typed): D.C. Christensen	Signature: 	Date: 8/28/09	
19. DOE Contracting Officer (or delegated representative)			
Name (typed): MARK A. MILLION	Signature: 	Date: 8/24/09	
* The work authorization number will consist of the program code, AFP code, solicitation/project id and the fiscal year.			

## Attachment A – Contractor Recovery Act Performance Requirements

For FY 2009 Federal Energy Management Program Approved Funding  
for Oak Ridge National Laboratory  
ARRA Project Code: 2004160, FED 09-1216-RA JUL

### Section A – Contractor Recovery Act Schedule or Milestone Requirements

1. Federal Energy Management Program, Energy Savings Performance Contracts B&R and Program Codes: EL1702010-05794-1004578, \$80,000.

Schedule or Milestone Requirement: Complete assessment of hydrogen gas at NASA Stennis Space Center by September 30, 2010.

2. Federal Energy Management Program, Energy Savings Performance Contracts B&R and Program Codes: EL170210-05794-1004578, \$444,000.

Schedule or Milestone Requirement: Technical assistance projects will be completed by September 30, 2010.

3. Federal Energy Management Program, Direct Technical Assistance B&R and Program Codes: EL1703010-05794-1004580, \$800,000.

Schedule or Milestone Requirement: Technical Assistance will be completed by September 30, 2010.

4. Federal Energy Management Program, Planning Reporting and Evaluation B&R and Program Codes: EL1704000-05794-1004582, \$416,000.

Schedule or Milestone Requirement: Online training program developed by September 30, 2010.

### Section B – Contractor Recovery Act Performance Outcomes and Measures

1. Federal Energy Management Program, Energy Savings Performance Contracts B&R and Program Codes: EL1702010-05794-1004578, \$80,000.

Outcome and Measure: Telephone conference discussion of completed assessment results to be held with key contacts at NASA Stennis Space Center to determine how they will implement assessment results.

2. Federal Energy Management Program, Energy Savings Performance Contracts B&R and Program Codes: EL170210-05794-1004578, \$444,000.

Outcome and Measure: Reports will be provided to federal agency sites receiving technical assistance with recommendations for energy efficiency or renewable energy improvements.

3. Federal Energy Management Program, Direct Technical Assistance B&R and Program Codes: EL1703010-05794-1004580, \$800,000.

Outcome and Measure: Reports will be provided to federal agency sites receiving technical assistance with recommendations for energy efficiency or renewable energy improvements.

4. Federal Energy Management Program, Planning Reporting and Evaluation B&R and Program Codes: EL1704000-05794-1004582, \$416,000.

Outcome and Measure: Follow-up with the agencies involved will be conducted and reported.

#### Section C: Contractor Recovery Act Deliverables

1. Federal Energy Management Program, Energy Savings Performance Contracts B&R and Program Codes: EL1702010-05794-1004578, \$80,000.

Deliverable: Finalization of assessment will be logged and tracked in DOE's FEMPCentral Database.

2. Federal Energy Management Program, Energy Savings Performance Contracts B&R and Program Codes: EL170210-05794-1004578, \$444,000.

Deliverable: Project updates will be entered into the FEMPCentral Database.

3. Federal Energy Management Program, Direct Technical Assistance B&R and Program Codes: EL1703010-05794-1004580, \$800,000.

Deliverable: Project updates will be entered into the FEMPCentral Database.

4. Federal Energy Management Program, Planning Reporting and Evaluation B&R and Program Codes: EL1704000-05794-1004582, \$416,000.

Deliverable: Monthly updates in meeting agreement milestones or reporting as required by ARRA in meeting project milestones and metrics.

**ATTACHMENT 1D**

**WORK AUTHORIZATION**



## **Attachment A – Contractor Recovery Act Performance Requirements**

For FY 2009 Federal Energy Management Program Approved Funding  
for Oak Ridge National Laboratory  
ARRA Project Code: 2004160, FED 09-1216-RA JUL

### **Section A – Contractor Recovery Act Schedule or Milestone Requirements**

1. Federal Energy Management Program, Energy Savings Performance Contracts B&R and Program Codes: EL1702010-05794-1004578, \$80,000.

Schedule or Milestone Requirement: Complete assessment of hydrogen gas at NASA Stennis Space Center by September 30, 2010.

2. Federal Energy Management Program, Energy Savings Performance Contracts B&R and Program Codes: EL170210-05794-1004578, \$444,000.

Schedule or Milestone Requirement: Technical assistance projects will be completed by September 30, 2010.

3. Federal Energy Management Program, Direct Technical Assistance B&R and Program Codes: EL1703010-05794-1004580, \$800,000.

Schedule or Milestone Requirement: Technical Assistance will be completed by September 30, 2010.

4. Federal Energy Management Program, Planning Reporting and Evaluation B&R and Program Codes: EL1704000-05794-1004582, \$416,000.

Schedule or Milestone Requirement: Online training program developed by September 30, 2010.

### **Section B – Contractor Recovery Act Performance Outcomes and Measures**

1. Federal Energy Management Program, Energy Savings Performance Contracts B&R and Program Codes: EL1702010-05794-1004578, \$80,000.

Outcome and Measure: Telephone conference discussion of completed assessment results to be held with key contacts at NASA Stennis Space Center to determine how they will implement assessment results.

2. Federal Energy Management Program, Energy Savings Performance Contracts B&R and Program Codes: EL170210-05794-1004578, \$444,000.

Outcome and Measure: Reports will be provided to federal agency sites receiving technical assistance with recommendations for energy efficiency or renewable energy improvements.

3. Federal Energy Management Program, Direct Technical Assistance B&R and Program Codes: EL1703010-05794-1004580, \$800,000.

Outcome and Measure: Reports will be provided to federal agency sites receiving technical assistance with recommendations for energy efficiency or renewable energy improvements.

4. Federal Energy Management Program, Planning Reporting and Evaluation B&R and Program Codes: EL1704000-05794-1004582, \$416,000.

Outcome and Measure: Follow-up with the agencies involved will be conducted and reported.

#### Section C: Contractor Recovery Act Deliverables

1. Federal Energy Management Program, Energy Savings Performance Contracts B&R and Program Codes: EL1702010-05794-1004578, \$80,000.

Deliverable: Finalization of assessment will be logged and tracked in DOE's FEMPCentral Database.

2. Federal Energy Management Program, Energy Savings Performance Contracts B&R and Program Codes: EL170210-05794-1004578, \$444,000.

Deliverable: Project updates will be entered into the FEMPCentral Database.

3. Federal Energy Management Program, Direct Technical Assistance B&R and Program Codes: EL1703010-05794-1004580, \$800,000.

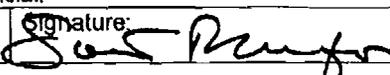
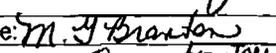
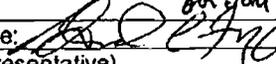
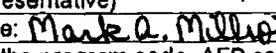
Deliverable: Project updates will be entered into the FEMPCentral Database.

4. Federal Energy Management Program, Planning Reporting and Evaluation B&R and Program Codes: EL1704000-05794-1004582, \$416,000.

Deliverable: Monthly updates in meeting agreement milestones or reporting as required by ARRA in meeting project milestones and metrics.

# ATTACHMENT 1E

## WORK AUTHORIZATION

U.S. DEPARTMENT OF ENERGY CONTRACT WORK AUTHORIZATION			
1a. Solicitation/Project Title: Enhance and Accelerate FEMP Service Functions to the Federal Government		1b. Work Proposal Number (if applicable): AOP# 2004160	
2. Headquarters Program Point of Contact: Name: David McAndrew      Organization Code: EE-2L      Telephone No: (202) 586-7722			
3. Headquarters Budget Point of Contact: Name: Sheila Traynham      Organization Code: EE-3B      Telephone No: (202) 586-9487			
4. Responsible Program: Office of Energy Efficiency and Renewable Energy		5. Responsible Secretarial Officer: Steve Chalk	
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: Julia Kelley      Telephone No:	
8. Work Authorization Number: * FB-470002-20454-09		9. Revision Number: 2	
10. Funds Authorized during FY 2009:			
B&R Code	Previous	Change	Current
EL1702010-05794-1004578	<del>\$0</del> <del>\$1,210,000</del> \$0	\$80,000	<del>\$80,000</del> dk
11. Performance period covered by funds:      12. Work Start Date:      13. Expected Completion Date:			
From: <del>10/1/2008</del> To: 9/30/2009 2010 NCL		10/1/2008 8/24/2009 NCL	9/30/2009-2010 NCL
14. Statement of Work: Funding in the amount of \$80,000 is authorized for Energy Savings & Performance Contracts. These funds are made available for Project #20454 - Enhance and Accelerate FEMP Service Functions to the Federal Government. These funds are to be distributed to Agreement # 19143-UESC Project Support ORNL in accordance with AOP# 2004160. Recovery Act TAS 8909/100331.91 Project # 2004160- Enhance and Accelerate FEMP Service Function to the federal government Oak Ridge National Laboratory will provide technical assistance, customized training and project support to facilitate the development of UESC projects for federal agencies. This support will include technical assistance to the National Parks Service including Alcatraz Island and the other 14 NPS facilities served by Pacific Gas and Electric, selected Air Force sites as well as other federal agencies as UESC project opportunities develop. It will also include an assesment of the potential to capture and utilized hydrogen gas which is currently being vented by the NASA Stennis Space Center. Funding provided in this work authorization is not approved for obligation of any type of support service contract either as a prime or subcontract award. 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 EERE.			
15. Reporting Requirements: (Status reports, scientific or technical information or similar)			
16. Work Authorization Program Official:			
Name (typed): Richard G. Kidd IV, Program Manager	Signature: 	Date: 7/24/09	
17. DOE Field Organization Official:			
Name (typed): Johnny O. Moore	Signature: 	Date: 8/28/09	
18. Contractor's Authorized Representative:			
Name (typed): DC Christensen	Signature: 	Date: 8/28/09	
19. DOE Contracting Officer (or delegated representative)			
Name (typed): MARK A. MILLION	Signature: 	Date: 8/24/09	
* The work authorization number will consist of the program code, AFP code, solicitation/project id and the fiscal year.			

## Attachment A – Contractor Recovery Act Performance Requirements

For FY 2009 Federal Energy Management Program Approved Funding  
for Oak Ridge National Laboratory  
ARRA Project Code: 2004160, FED 09-1216-RA JUL

### Section A – Contractor Recovery Act Schedule or Milestone Requirements

1. Federal Energy Management Program, Energy Savings Performance Contracts B&R and Program Codes: EL1702010-05794-1004578, \$80,000.

Schedule or Milestone Requirement: Complete assessment of hydrogen gas at NASA Stennis Space Center by September 30, 2010.

2. Federal Energy Management Program, Energy Savings Performance Contracts B&R and Program Codes: EL170210-05794-1004578, \$444,000.

Schedule or Milestone Requirement: Technical assistance projects will be completed by September 30, 2010.

3. Federal Energy Management Program, Direct Technical Assistance B&R and Program Codes: EL1703010-05794-1004580, \$800,000.

Schedule or Milestone Requirement: Technical Assistance will be completed by September 30, 2010.

4. Federal Energy Management Program, Planning Reporting and Evaluation B&R and Program Codes: EL1704000-05794-1004582, \$416,000.

Schedule or Milestone Requirement: Online training program developed by September 30, 2010.

### Section B – Contractor Recovery Act Performance Outcomes and Measures

1. Federal Energy Management Program, Energy Savings Performance Contracts B&R and Program Codes: EL1702010-05794-1004578, \$80,000.

Outcome and Measure: Telephone conference discussion of completed assessment results to be held with key contacts at NASA Stennis Space Center to determine how they will implement assessment results.

2. Federal Energy Management Program, Energy Savings Performance Contracts B&R and Program Codes: EL170210-05794-1004578, \$444,000.

Outcome and Measure: Reports will be provided to federal agency sites receiving technical assistance with recommendations for energy efficiency or renewable energy improvements.

3. Federal Energy Management Program, Direct Technical Assistance B&R and Program Codes: EL1703010-05794-1004580, \$800,000.

Outcome and Measure: Reports will be provided to federal agency sites receiving technical assistance with recommendations for energy efficiency or renewable energy improvements.

4. Federal Energy Management Program, Planning Reporting and Evaluation B&R and Program Codes: EL1704000-05794-1004582, \$416,000.

Outcome and Measure: Follow-up with the agencies involved will be conducted and reported.

#### Section C: Contractor Recovery Act Deliverables

1. Federal Energy Management Program, Energy Savings Performance Contracts B&R and Program Codes: EL1702010-05794-1004578, \$80,000.

Deliverable: Finalization of assessment will be logged and tracked in DOE's FEMPCentral Database.

2. Federal Energy Management Program, Energy Savings Performance Contracts B&R and Program Codes: EL170210-05794-1004578, \$444,000.

Deliverable: Project updates will be entered into the FEMPCentral Database.

3. Federal Energy Management Program, Direct Technical Assistance B&R and Program Codes: EL1703010-05794-1004580, \$800,000.

Deliverable: Project updates will be entered into the FEMPCentral Database.

4. Federal Energy Management Program, Planning Reporting and Evaluation B&R and Program Codes: EL1704000-05794-1004582, \$416,000.

Deliverable: Monthly updates in meeting agreement milestones or reporting as required by ARRA in meeting project milestones and metrics.

# ATTACHMENT 1F

## WORK AUTHORIZATION

U.S. DEPARTMENT OF ENERGY CONTRACT WORK AUTHORIZATION			
1a. Solicitation/Project Title: Enhance and Accelerate FEMP Service Functions to the Federal Government		1b. Work Proposal Number (if applicable): AOP# 2004160	
2. Headquarters Program Point of Contact: Name: Albert Ream		Organization Code: EE-2L	Telephone No: (202) 586-7230
3. Headquarters Budget Point of Contact: Name: Sheila Traynham		Organization Code: EE-3B	Telephone No: (202) 586-9487
4. Responsible Program: Office of Energy Efficiency and Renewable Energy		5. Responsible Secretarial Officer: Steve Chalk	
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: Julia Kelley Telephone No:	
8. Work Authorization Number: * FB-470002-20454-09		9. Revision Number: 3	
10. Funds Authorized during FY 2009:			
B&R Code	Previous	Change	Current
EL1702010-05794-1004578	\$80,000 8/24/2009 NCL	\$444,000	\$444,000 8/24/2009 NCL
11. Performance period covered by funds: From: <del>10/1/2008</del> To: 9/30/2009 2010 NCL		12. Work Start Date: <del>10/1/2008</del> 8/24/2009 NCL	13. Expected Completion Date: <del>9/30/2009</del> 2010 NCL
14. Statement of Work: Funding in the amount of \$444,000 is authorized for Energy Savings & Performance Contracts. These funds are made available for Project # 20454 - Enhance and Accelerate FEMP Service Functions to the Federal Government. These funds are to be distributed to Agreement # 19208-ORNL-ESPC-Call for FEMP Technical Services in accordance with AOP # 2004160. Recovery Act TAS 8909/100331.91 Project # 2004160. ORNL will provide ESPC technical assistance to enhance and accelerate FEMP service functions to the Federal government using the American Recovery and Reinvestment Act (ARRA) funds. ORNL will provide services in the following areas: Initial and/or feasibility of a particular technology; Project prioritization; Strategic energy planning and benchmarking; Technical reviews of designs and proposals; Energy audit training; High-performance green building technical support; Federal vehicle fleet technical support; Assessments; Retro-Commissioning; Resource Efficiency Energy Managers; Operations and maintenance; Evaluate financial strategies, procurement specifications, and acceptance of installed systems; Detail of key lab staff to work within agencies for a limited duration (normally not more than 24 months); and All of the above with special emphasis on particular technologies in the areas of the labs' expertise. ORNL will provide project management support activities to include follow-up with the agency, completion of technical assistance reports, participation in technical assistance conference calls, quarterly joule reporting, and monthly project updates to the FEMPCentral database. Technical assistance to agencies must be approved by the Federal Energy Management Program. Funding provided in this work authorization is not approved for obligation of any type of support service contract either as a prime or subcontract award. 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 EERE.			
15. Reporting Requirements: (Status reports, scientific or technical information or similar)			
16. Work Authorization Program Official:			
Name (typed): Richard G. Kidd, IV Program Manager	Signature: <i>Richard G. Kidd, IV</i>	Date: 7/22/09	
17. DOE Field Organization Official:			
Name (typed): JOHNNY D. MOORE	Signature: <i>Johnny D. Moore</i>	Date: 8/28/09	
18. Contractor's Authorized Representative:			
Name (typed): D.C. Christensen	Signature: <i>D.C. Christensen</i>	Date: 8/28/09	
19. DOE Contracting Officer (or delegated representative)			
Name (typed): MARK A. MILLION	Signature: <i>Mark A. Million</i>	Date: 8/24/09	
* The work authorization number will consist of the program code, AFP code, solicitation/project id and the fiscal year.			

## Attachment A – Contractor Recovery Act Performance Requirements

For FY 2009 Federal Energy Management Program Approved Funding  
for Oak Ridge National Laboratory  
ARRA Project Code: 2004160, FED 09-1216-RA JUL

### Section A – Contractor Recovery Act Schedule or Milestone Requirements

1. Federal Energy Management Program, Energy Savings Performance Contracts B&R and Program Codes: EL1702010-05794-1004578, \$80,000.

Schedule or Milestone Requirement: Complete assessment of hydrogen gas at NASA Stennis Space Center by September 30, 2010.

2. Federal Energy Management Program, Energy Savings Performance Contracts B&R and Program Codes: EL170210-05794-1004578, \$444,000.

Schedule or Milestone Requirement: Technical assistance projects will be completed by September 30, 2010.

3. Federal Energy Management Program, Direct Technical Assistance B&R and Program Codes: EL1703010-05794-1004580, \$800,000.

Schedule or Milestone Requirement: Technical Assistance will be completed by September 30, 2010.

4. Federal Energy Management Program, Planning Reporting and Evaluation B&R and Program Codes: EL1704000-05794-1004582, \$416,000.

Schedule or Milestone Requirement: Online training program developed by September 30, 2010.

### Section B – Contractor Recovery Act Performance Outcomes and Measures

1. Federal Energy Management Program, Energy Savings Performance Contracts B&R and Program Codes: EL1702010-05794-1004578, \$80,000.

Outcome and Measure: Telephone conference discussion of completed assessment results to be held with key contacts at NASA Stennis Space Center to determine how they will implement assessment results.

2. Federal Energy Management Program, Energy Savings Performance Contracts B&R and Program Codes: EL170210-05794-1004578, \$444,000.

Outcome and Measure: Reports will be provided to federal agency sites receiving technical assistance with recommendations for energy efficiency or renewable energy improvements.

3. Federal Energy Management Program, Direct Technical Assistance B&R and Program Codes: EL1703010-05794-1004580, \$800,000.

Outcome and Measure: Reports will be provided to federal agency sites receiving technical assistance with recommendations for energy efficiency or renewable energy improvements.

4. Federal Energy Management Program, Planning Reporting and Evaluation B&R and Program Codes: EL1704000-05794-1004582, \$416,000.

Outcome and Measure: Follow-up with the agencies involved will be conducted and reported.

#### Section C: Contractor Recovery Act Deliverables

1. Federal Energy Management Program, Energy Savings Performance Contracts B&R and Program Codes: EL1702010-05794-1004578, \$80,000.

Deliverable: Finalization of assessment will be logged and tracked in DOE's FEMPCentral Database.

2. Federal Energy Management Program, Energy Savings Performance Contracts B&R and Program Codes: EL170210-05794-1004578, \$444,000.

Deliverable: Project updates will be entered into the FEMPCentral Database.

3. Federal Energy Management Program, Direct Technical Assistance B&R and Program Codes: EL1703010-05794-1004580, \$800,000.

Deliverable: Project updates will be entered into the FEMPCentral Database.

4. Federal Energy Management Program, Planning Reporting and Evaluation B&R and Program Codes: EL1704000-05794-1004582, \$416,000.

Deliverable: Monthly updates in meeting agreement milestones or reporting as required by ARRA in meeting project milestones and metrics.

# ATTACHMENT 1G

## WORK AUTHORIZATION

U.S. DEPARTMENT OF ENERGY CONTRACT WORK AUTHORIZATION			
1a. Solicitation/Project Title: B1 - IBR FOA Support Activities		1b. Work Proposal Number (if applicable) AOP# 8.5.9.6	
2. Headquarters Program Point of Contact: Name: Melissa Klembara      Organization Code:      Telephone No:			
3. Headquarters Budget Point of Contact: Name: Leshawn Sutton      Organization Code: EE-3B      Telephone No: (202) 586-9258			
4. Responsible Program Office of Energy Efficiency and Renewable Energy		5. Responsible Secretarial Officer: Steve Chalk	
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: Mark Downing      Telephone No. (865) 576-8140	
8. Work Authorization Number: * BM-470002-20650-09		9. Revision Number: 0	
10. Funds Authorized during FY 2009:			
<u>B&amp;R Code</u>	<u>Previous</u>	<u>Change</u>	<u>Current</u>
BM0102060-05794-1004173	\$0	\$508,000	\$508,000
11. Performance period covered by funds: From: 9/1/2009 To: 9/30/2009 <i>10 mnr</i>		12. Work Start Date: 9/1/2009	
		13. Expected Completion Date: 9/30/2009 <i>mnr</i>	
14. Statement of Work: Funding in the amount of \$508,000 is authorized for Integration of Biorefinery Technologies. These funds are made available for Project #20650 - B1 - IBR FOA Support Activities. These funds are to be distributed to Agreement # 19610-B1 - WBS 8.5.9.6 ORNL Feedstock Crosscut Review Support and NEPA Proposed Actions in accordance with AOP# 8.5.9.6. Oak Ridge National Laboratory is providing technical expertise via crosscut reviews on feedstock sustainability of application to the Recovery Act - Demonstration of Integrated Biorefinery Operations Funding Opportunity Announcement Number: DE-FOA-0000096. Additionally, ORNL will develop NEPA Proposed Actions plans for all of the projects selected from this FOA, as needed. ORNL will assist the selectees in evaluating the detailed baseline environmental conditions for the proposed project locations as needed. ORNL will then recommend the level of NEPA review/documentation including rationale. Funding provided in this work authorization is not approved for obligation of any type of support service contract either as a prime or subcontract award. 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 EERE. <i>Project Code: 2004000</i>			
15. Reporting Requirements: (Status reports, scientific or technical information or similar)			
16. Work Authorization Program Official:			
Name (typed): Vain Lightner, Acting Program Manager	Signature: <i>[Signature]</i>	Date:	
17. DOE Field Organization Official:			
Name (typed): J.O. Moore	Signature: <i>[Signature]</i>	Date: 8/31/09	
18. Contractor's Authorized Representative:			
Name (typed): P. Christensen	Signature: <i>[Signature]</i>	Date: 8/31/09	
19. DOE Contracting Officer (or delegated representative):			
Name (typed): M.A. Millien	Signature: <i>[Signature]</i>	Date: 8/31/09	
* The work authorization number will consist of the program code, AFP code, solicitation/project id and the fiscal year.			

## ATTACHMENT A – CONTRACTOR RECOVERY ACT PERFORMANCE REQUIREMENTS

### Biomass Program Integration of Biorefinery Technologies – Feedstock Cross-cut Review Support, and NEPA Proposed Actions (ORNL) - Downing

#### Section A. Contractor Recovery Act Schedule or Milestone Requirements

1. Proposal Reviews will start as soon as money is available at ORNL – September 1, 2009.
2. NEPA support work for projects will begin as early as December 1, 2009 and should be completed by September 30, 2010.
3. Proposal Reviews should be completed December 1, 2009.

#### Section B. Contractor Recovery Act Performance Outcomes and Measures

Appropriate and consistent guidelines for quantitatively measurable proposal review will be designed, and implemented, and distributed to Merit Review Committee, as well as cross-cut reviewers. NEPA support will be provided to industrial proposers in a manner consistent with requirements of Federal NEPA process, performed for DOE, and guided by the DOE NEPA Compliance Officer.

#### Section C. Contractor Recovery Act Deliverables

Successful input to the Merit Review Process, and guidance to the DOE Selection Official (September 2010).

# ATTACHMENT 1H

## WORK AUTHORIZATION

<b>ARRA</b>			
U.S. DEPARTMENT OF ENERGY			
CONTRACT WORK AUTHORIZATION			
1a. Solicitation/Project Title: B1 - IBR FOA Support Activities		1b. Work Proposal Number (if applicable): AOP# 8.5.9.8	
2. Headquarters Program Point of Contact: Name: Melissa Klembara      Organization Code: EE-2E      Telephone No: (202) 586-0031			
3. Headquarters Budget Point of Contact: Name: Leshawn Sulton      Organization Code: EE-3B      Telephone No: (202) 586-9258			
4. Responsible Program: Office of Energy Efficiency and Renewable Energy.		5. Responsible Secretarial Officer: Steve Chalk	
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: Robin Graham      Telephone No: (865) 576-7756	
8. Work Authorization Number: * BM-470002-20650-09		9. Revision Number: 1	
10. Funds Authorized during FY 2009 :			
B&R Code	Previous	Change	Current
BM0102060-05794-1004173	\$508,000	\$171,046	\$679,046
11. Performance period covered by funds: From: <del>9/1/2009</del> To: <del>9/30/2009</del> <u>3/31/2011</u>		12. Work Start Date: <del>4/1/2009</del> <u>9/1/09</u>	13. Expected Completion Date: <del>9/30/2009</del> <u>3/31/2010</u> <i>MM</i>
14. Statement of Work: Funding in the amount of \$171,046 is authorized for Integration of Biorefinery Technologies. These funds are made available for Project #2004000 - B1 - IBR FOA Support Activities. These funds are to be distributed to Agreement # 19869-B1 - WBS 8.5.9.8 ORNL Overall Merit Review Technical Support in accordance with AOP# 8.5.9.8. Oak Ridge National Laboratory is providing technical support to organize, plan, and conduct the merit review for Funding Opportunity Announcement Number: DE-FOA-000009, titled "Recovery Act - Demonstration of Integrated Biorefinery Operations". Funding provided in this work authorization is not approved for obligation of any type of support service contract either as a prime or subcontract award. 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 EERE.			
15. Reporting Requirements: (Status reports, scientific or technical information or similar)			
16. Work Authorization Program Official:			
Name (typed): Valri Lightner, Acting Program Manager	Signature: <i>Valri Lightner</i>	Date: 8-5-09	
17. DOE Field Organization Official:			
Name (typed): Johnny O. Moore	Signature: <i>M.J. Banton for John</i>	Date: 8/24/09	
18. Contractor's Authorized Representative:			
Name (typed): D.C. Christensen	Signature: <i>Dona Christensen</i>	Date: 27 Aug 2009	
19. DOE Contracting Officer (or delegated representative)			
Name (typed): MARK A. MILLION	Signature: <i>Mark A. Million</i>	Date: 8/24/09	
* The work authorization number will consist of the program code, AFP code, solicitation/project id and the fiscal year.			

## ATTACHMENT A – CONTRACTOR RECOVERY ACT PERFORMANCE REQUIREMENTS

Organize, plan, and conduct the Merit Review for FOA Number DE-FOA-000009, titled “Recovery Act – Demonstration of Integrated Biorefinery Operations” (Agreement # 19869 \$171,046

### Section A. Contractor Recovery Act Schedule or Milestone Requirements

- 1) August 31 - Complete Technical Merit Review Planning and Training
- 2) September 30 - Complete facilitation of approximately 18 Technical Merit Review panels for Integrated Biorefinery funding applications

### Section B. Contractor Recovery Act Performance Outcomes and Measures

Outcome will be selection of 10-20 awardees to receive a total of \$480 million in integrated Biorefinery RD&D funding

### Section C. Contractor Recovery Act Deliverables

Completed Technical Merit Review Summary for each funding application reviewed

## ATTACHMENT 2

### FINANCIAL PLAN REPORT

# Financial Plan Report - Detail

**OR22725 - UT-BATTELLE (RECOVERY ACT - 8909/100331)**

Report Generated on: September 2, 2009 at 09:46:54 AM

Rpt Entity	Fund Code	Leg FT	Program	Legacy B&R	Obj. Class	Local Use	Project	WFO	Legacy Order Number	Beginning Uncosted Obs	Previous	BA Change	Revised	Total Available
470002	05794	ZT	1004173	8M0102060	25400	0000000	2004000	0000000		0.00	0.00	679,046.00	679,046.00	679,046.00
<i>AY 2009 - Work Authorization Number BM-470002-20650-09; Appropriation Symbol: 8909/100331</i>														
<b>Total for Program Parent/Control Point: BM0100000</b>										0.00	0.00	679,046.00	679,046.00	679,046.00
470002	05794	ZT	1005098	EB5100000	25400	0473100	2004040	0000000		0.00	700,000.00	0.00	700,000.00	700,000.00
<i>AY 2009 - Work Authorization Number 470002-20476-09</i>														
<b>Total for Program Parent/Control Point: EB5100000</b>										0.00	700,000.00	0.00	700,000.00	700,000.00
470002	05794	ZT	1004383	ED1904032	25400	0000000	2004320	0000000		0.00	10,500,000.00	0.00	10,500,000.00	10,500,000.00
<i>AY 2009 - Work Authorization Number: IF-470002-20421-09; Appropriation Number: 8909/100331</i>														
470002	05794	ZT	1004383	ED1904032	31003	0000000	2004320	0000000		0.00	0.00	4,500,000.00	4,500,000.00	4,500,000.00
<i>AY 2009 - Work Authorization Number: IF-470002-20421-09; Appropriation Number: 8909/100331</i>														
470002	05794	ZT	1004889	ED1908000	25400	0000000	2004320	0000000		0.00	3,100,000.00	0.00	3,100,000.00	3,100,000.00
<i>AY 2009 - Work Authorization Number IF-470002-20416-09; Appropriation Number 8909/100331</i>														
<b>Total for Program Parent/Control Point: ED0000000</b>										0.00	13,600,000.00	4,500,000.00	18,100,000.00	18,100,000.00
470002	05794	ZT	1004578	EL1702010	25400	0000000	2004160	0000000		0.00	0.00	524,000.00	524,000.00	524,000.00
<i>AY 2009 - Work Authorization Number: FB-470002-20454-09; Appropriation Symbol: 8909/100331</i>														
470002	05794	ZT	1004580	EL1703010	25400	0000000	2004160	0000000		0.00	0.00	800,000.00	800,000.00	800,000.00
<i>AY 2009 - Work Authorization Number: FB-470002-20454-09; Appropriation Symbol: 8909/100331</i>														
470002	05794	ZT	1004582	EL1704000	25400	0000000	2004160	0000000		0.00	0.00	416,000.00	416,000.00	416,000.00
<i>AY 2009 - Work Authorization Number: FB-470002-20454-09; Appropriation Symbol: 8909/100331</i>														
<b>Total for Program Parent/Control Point: EL1700000</b>										0.00	0.00	1,740,000.00	1,740,000.00	1,740,000.00
470002	05794	ZT	1005113	W11100000	25400	0000000	2004380	0000000		0.00	0.00	2,500,000.00	2,500,000.00	2,500,000.00
<i>AY 2009 - Work Authorization Number WI-470002-20538-09; Appropriation Symbol: 8909/100331</i>														
<b>Total for Program Parent/Control Point: W11100000</b>										0.00	0.00	2,500,000.00	2,500,000.00	2,500,000.00
<b>Total for Fund Type: ZT</b>										0.00	14,300,000.00	9,419,046.00	23,719,046.00	23,719,046.00
470002	05796	ZV	1005116	W11001020	25400	0000000	2004350	0000000		0.00	16,800,000.00	0.00	16,800,000.00	16,800,000.00
<i>AY 2009 - Work Authorization Number: WI-470002-20458-09; Appropriation Symbol: 8909/100331</i>														
<b>Total for Program Parent/Control Point: W11001000</b>										0.00	16,800,000.00	0.00	16,800,000.00	16,800,000.00
<b>Total for Fund Type: ZV</b>										0.00	16,800,000.00	0.00	16,800,000.00	16,800,000.00
470002	05797	ZW	1004760	W10702000	25400	0000000	2004360	0000000		0.00	11,800,000.00	0.00	11,800,000.00	11,800,000.00
<i>AY 2009 - Work Authorization Number: WI-470002-18777-09; Appropriation Symbol: 8909/100331 - \$.8M</i>														
<i>Work Authorization Number: WI-470002-20443-09; Appropriation Symbol: 8909/100331 - \$.6M</i>														
<b>Total for Program Parent/Control Point: W10702000</b>										0.00	11,800,000.00	0.00	11,800,000.00	11,800,000.00
<b>Total for Fund Type: ZW</b>										0.00	11,800,000.00	0.00	11,800,000.00	11,800,000.00
<b>Total for Recipient Code: OR</b>										0.00	42,900,000.00	9,419,046.00	52,319,046.00	52,319,046.00
<b>Total for Reporting Entity: 470002</b>										0.00	42,900,000.00	9,419,046.00	52,319,046.00	52,319,046.00
<b>Total for OR22725 - UT-BATTELLE (RECOVERY ACT - 8909/100331)</b>										0.00	42,900,000.00	9,419,046.00	52,319,046.00	52,319,046.00

Financial Plan Number: 7

Fiscal Year: 2009

Fiscal Month: 12

Contract Modification Number: 259

Rpt Entity: OR OR3/OR4 - Oak Ridge National Lab, X-10, UT-Battelle

## Financial Plan Report - Detail

Site: OR

Page 2 of 2

Report: RFP0001

OR22725 - UT-BATTELLE (RECOVERY ACT - 8909/100331)

Report Generated on: September 2, 2009 at 09:46:54

AM

---

<u>Agency</u>	<u>Obligation Change Amount</u>
Total Appropriated Funds (Program 40):	0.00
Total DOE and Non-Appropriated Funds:	9,419,046.00
Grand Total:	9,419,046.00
Total Non-Appropriated Funds:	0.00

---