



Department of Energy

Golden Field Office
1617 Cole Boulevard
Golden, Colorado 80401-3393

December 8, 2011

Mr. William S. Glover
Deputy Laboratory Director
and Chief Operating Officer
National Renewable Energy Laboratory
1617 Cole Boulevard
Golden, CO 80401

Dear Mr. Glover:

SUBJECT: Contract DE-AC36-08GO28308— Administrative Modification 452 Correction

The Golden Field Office recently approved Administrative Modification 452 on December 6, 2011. The Clause I.140 language was mistakenly entered on the SF 30 form and reflects incorrect information. Please disregard this language which has since been superseded by Modification 453.

If you have any questions regarding this issue please feel free to contact me at (720)356-1778.

Sincerely,

A handwritten signature in cursive script that reads "Jean M. Siekerka".

Jean M. Siekerka
Contracting Officer

cc: S. Motazed, NREL
K. Stiveson, NREL



AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

1. CONTRACT ID CODE

PAGE OF PAGES

1 2

2. AMENDMENT/MODIFICATION NO.

452

3. EFFECTIVE DATE

See Block 16C

4. REQUISITION/PURCHASE REQ. NO.

12EE001006

5. PROJECT NO. (If applicable)

6. ISSUED BY

CODE

03601

7. ADMINISTERED BY (If other than Item 6)

CODE

03601

Golden Field Office
U.S. Department of Energy
Golden Field Office
1617 Cole Blvd.
Golden CO 80401-3393

Golden Field Office
U.S. Department of Energy
Golden Field Office
1617 Cole Blvd.
Golden CO 80401-3393

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

ALLIANCE FOR SUSTAINABLE ENERGY, LLC
Attn: RONALD D. TOWNSEND
1617 COLE BLVD.
MS 1715
GOLDEN CO 804013393

(x) 9A. AMENDMENT OF SOLICITATION NO.

9B. DATED (SEE ITEM 11)

x 10A. MODIFICATION OF CONTRACT/ORDER NO.

DE-AC36-08GO28308

10B. DATED (SEE ITEM 13)

07/29/2008

CODE 805948051

FACILITY CODE

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)

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:
	D. OTHER (Specify type of modification and authority)
X	Clause I.149 970.5243-1 Changes (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.)

DUNS Number: 805948051

Modification 452 provides the following funding:

Reason for Modification : Other Administrative Action

Total Amount for this Modification: \$0.00

New Total Amount for this Version: \$0.00

New Total Amount for this Award: \$1,873,161,792.55

Delivery Location Code: 03601

Golden Field Office

U.S. Department of Energy

Golden Field Office

1617 Cole Blvd.

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)

W.S. GLOVER

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

Jean M. Siekerka

15B. CONTRACTOR/OFFEROR

(Signature of person authorized to sign)

15C. DATE SIGNED

12/9/11

16B. UNITED STATES OF AMERICA

Signature on File

16C. DATE SIGNED

12/06/2011

NSN 7540-01-152-8070

Previous edition unusable

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

NAME OF OFFEROR OR CONTRACTOR
ALLIANCE FOR SUSTAINABLE ENERGY, LLC

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Golden CO 80401-3393				
	Mark For: Golden Field Office U.S. Department of Energy Golden Field Office 1617 Cole Blvd. Golden CO 80401-3393 FOB: Destination Period of Performance: 07/29/2008 to 09/30/2013 Add Item 10012 as follows:				
10012	Administrative Modification - Modifying Contract Clauses - FY12 Obligated Amount: \$0.00 Clause I.140 970.5232-4 Obligation of Funds is changed to reflect the amount presently obligated by the Government with respect to this contract is \$1,591,915,449.77.				0.00

*incorrect data
 see attached letter
 of Correction
 dated 12/8/11*

December 6, 2011

VIA STRIPES

Field C

Mr. William S. Glover
Deputy Laboratory Director
and Chief Operating Officer
National Renewable Energy Laboratory (NREL)
1617 Cole Boulevard
Golden, CO 80401-3393

SUBJECT: Contract No. DE-AC36-08GO28308– Modification No. 452

Dear Mr. Glover:

Subject Modification is hereby submitted for your review and execution. The purpose of this Modification is to:

- I. Incorporate Section H, Clause H.41, Contractor's Obligations Regarding Data Furnished by Grantees Under DOE Funding Opportunity Announcement DE-FOA-0000058
- II. Delete and replace Section J, Attachment F, Operating and Administrative Requirements (List B)
- III. Incorporate by reference Section J, Attachment J, FY 2012 Performance Evaluation and Measurement Plan dated September 1, 2011
- IV. Incorporate by reference Section J, Attachment O, FY 2012 Commercialization Plan dated September 1, 2011
- V. Incorporate by reference Section J, Attachment P, FY 2012 Five Year Strategic Plan dated September 1, 2011

Please return one signed copy of the Modification to the Golden Field Office, attention Jessica Finley, by close-of-business, **December 20, 2011**.

If you have questions regarding this modification, please contact me at 720-356-1778.

Sincerely,

Jean M. Siekerka
Contracting Officer

Contract # DE-AC36-08GO28308

Modification M452

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This Modification incorporates the following significant changes to contract DE-AC36-08GO28308:

- I. Section H, Clause H.41, Contractor's Obligations Regarding Data Furnished by Grantees Under DOE Funding Opportunity Announcement DE-FOA-0000058, is hereby incorporated into the contract as follows.

H.41 Contractor's Obligations Regarding Data Furnished by Grantees Under DOE Funding Opportunity Announcement DE-FOA-0000058

The Contractor agrees that it will treat any data furnished to it by grantees under the Smart Grid Investment Grant Program, DOE Funding Opportunity Announcement Number DE-FOA-0000058, according to any restrictive legend contained thereon, including limited rights data, restricted computer software, or other technical business or financial data in the form of recorded information, including commercially valuable data and information as defined in 10 C.F.R. 1004.3(e)(4)(Dec. 12, 1994), as long as the data and restrictive legend comply with the NREL Smart Grid Data Procedures.

- II. Section J, Attachment F OPERATING AND ADMINISTRATIVE REQUIREMENTS (LIST B) is deleted and replaced as follows to reflect deletions and additional DOE Directives:

SECTION J – LIST OF DOCUMENTS, EXHIBITS AND OTHER ATTACHMENTS

OPERATING AND ADMINISTRATIVE REQUIREMENTS (LIST B)

Prime Contract No. DE-AC36-08GO28308

Prime Contract No. DE-AC36-08GO28308

The operating and administrative requirements, including the Contractor Requirements Documents of DOE directives listed below are applicable in whole or in part in accordance with clauses H-18 Application of DOE Contractor Requirements Documents and 970.5204-2, Laws, Regulations, and DOE Directives (DEC 2000). The concurrence analysis documenting applicability for each requirement below is maintained in the DOE Master File as well as any assurances as required by Clause H-18, are made a part of this Contract by reference and are managed through a formal change control process.

Operating and Administrative Requirements	Applicability
DOE O 130.1 CRD Budget Formulation Approved: 09/29/95	CRD applicable in whole
DOE O 142.3A CRD Unclassified Foreign Visits and Assignments Program Approved: 10/14/2010	CRD applicable in whole
DOE O 151.1C CRD Comprehensive Emergency Management System Approved: 11/02/05	CRD applicable in whole

Operating and Administrative Requirements	Applicability
DOE O 200.1A Information Technology Management Approved: 12/23/2008	CRD applicable in whole
DOE N 203.1 CRD Software Quality Assurance Approved: 10/02/00	CRD applicable in whole
DOE O 205.1B CRD Department of Energy Cyber Security Program Approved: 05/16/11	CRD applicable in part
DOE N 206.3 CRD Personal Identity Verification Approved: 11/22/05 (DOE N 251.67 extends DOE N 206.3 until 03/22/07)	CRD applicable in part
DOE O 210.2A CRD DOE Corporate Operating Experience Program Approved: 04/08/11	CRD applicable in whole
DOE O 221.1A CRD Reporting Fraud, Waste, and Abuse to the Office of Inspector General Approved: 04/19/08	CRD applicable in whole
DOE O 221.2 CRD Cooperation with the Office of Inspector General Approved: 03/22/01	CRD applicable in whole
DOE O 225.1B CRD Accident Investigations Approved: 03/04/11	CRD applicable in whole
DOE O 226.1B CRD Implementation of Department of Energy Oversight Policy Approved 04/25/11	CRD applicable in whole
DOE M 231.1-1A CRD Change 2 Environment, Safety and Health Reporting Manual Approved: 03/19/04 Change 2: 06/12/07	CRD applicable in whole
DOE M 231.1-2 CRD Occurrence Reporting and Processing of Operations Information Approved: 08/19/03	CRD applicable in whole
DOE O 241.1B CRD Scientific and Technical Information Management Approved: 12/13/10	CRD applicable in whole
DOE O 243.1 CRD Records Management Program Approved: 02/03/06	CRD applicable in whole
DOE O 243.2 CRD Vital Records Approved: 02/02/06	CRD applicable in whole

Operating and Administrative Requirements	Applicability
DOE O 350.1 CRD(s) Change 1 Contractor Human Resource Management Programs Approved: 09/30/96 Change 1: 05/08/98	CRD applicable in whole
DOE O 350.2B CRD Use of Management and Operating or Other Facility Management Contractor Employees for Services to DOE in Washington, D.C. Area Approved: 05/31/11	CRD applicable in whole
DOE O 412.1 CRD Work Authorization System Approved: 04/20/99	CRD applicable in whole
DOE O 413.1A CRD Management Control Program Approved: 04/18/02	CRD applicable in whole
DOE O 413.2B CRD Laboratory Directed Research and Development Approved: 04/19/06	CRD applicable in whole
DOE O 413.3B CRD Program and Project Management for the Acquisition of Capital Assets Approved: 11/29/2010	CRD applicable in whole
DOE O 414.1D CRD Quality Assurance Approved: 04/25/11	CRD applicable in part
DOE O 430.1B CRD Change 2 Real Property Asset Management Approved: 09/24/03	CRD applicable in whole
DOE O 430.2A CRD Departmental Energy and Utilities Management Approved: 04/15/02	CRD applicable in whole
DOE O 436.1 CRD Departmental Sustainability Approved: 05/02/11	CRD is applicable in whole
DOE O 442.1A CRD Department of Energy Employee Concerns Program Approved: 06/06/01	CRD applicable in whole
DOE O 442.2 CRD Differing Professional Opinions for Technical Issues Involving Environmental, Safety, and Health Technical Concerns Approved: 07/29/11	CRD applicable in whole
DOE O 450.1A CRD Environmental Protection Program Approved: 06/04/08	CRD applicable in whole
DOE M 450.4-1 CRD Integrated Safety Management System Manual Approved: 11/01/06	CRD applicable in whole

Operating and Administrative Requirements	Applicability
DOE O 456.1 CRD The Safe Handling of Unbound Engineered Nanoparticles Approved: 05/31/11	CRD applicable in part
DOE O 458.1 Chg 2 Radiation Protection of the Public and the Environment Approved: 06/06/11	CRD applicable in part
DOE O 470.2B CRD Independent Oversight and Performance Assurance Program Approved: 10/31/02	CRD applicable in whole
DOE M 470.4-2 CRD Change 1 Physical Protection Approved: 08/26/05 Change 1: 03/07/06	CRD applicable in part
DOE M 470.4-3 CRD Change 1 Protective Force Approved: 08/26/05 Change 1: 03/07/06	CRD applicable in part
DOE O 470.4B CRD Safeguards and Security Program Approved: 07/21/11	CRD applicable in part
DOE O 471.3 CRD Identifying and Protecting Official Use Only Information Approved: 04/09/03	CRD applicable in whole
DOE M 471.3-1 CRD Manual for Identifying and Protecting Official Use Only Information Approved: 04/09/03	CRD applicable in whole
DOE O 472.2 CRD Personnel Security Approved: 07/21/11	CRD applicable in part
DOE O 475.1 CRD Counterintelligence Program Approved: 12/10/04	CRD applicable in whole
DOE O 482.1 CRD DOE Facilities Technology Partnering Programs Approved: 01/12/01	CRD applicable in whole
DOE O 483.1 CRD DOE Cooperative Research and Development Agreements Approved: 01/12/01	CRD applicable in whole
DOE O 484.1 CRD Reimbursable Work for the Department of Homeland Security Approved: 08/17/06	CRD applicable in whole
DOE O 522.1 CRD Pricing of Departmental Materials and Services Approved: 11/03/04	CRD applicable in whole

Operating and Administrative Requirements	Applicability
DOE O 534.1B CRD Accounting Approved: 01/06/03	CRD applicable in whole
DOE O 551.1B CRD Official Foreign Travel Approved: 08/19/03	CRD applicable in whole
DOE O 580.1 CRD Department of Energy Personal Property Management Program Approved: 12/07/05	CRD applicable in whole

**Summary of Modifications to Attachment F
Operating and Administrative Requirements
Mod 452**

Deleted	DOE O 110.3A CRD Conference Management Approved: 01/25/07	CRD applicable in whole
Deleted	DOE O 241.1A CRD Scientific and Technical Information Management Approved: 04/09/01	CRD applicable in whole
Added	DOE O 241.1B CRD Scientific and Technical Information Management Approved: 12/13/10	CRD applicable in whole
Added	DOE O 442.2 CRD Differing Professional Opinions for Technical Issues Involving Environmental, Safety, and Health Technical Concerns Approved: 07/29/11	CRD applicable in whole
Added	DOE O 456.1 CRD The Safe Handling of Unbound Engineered Nanoparticles Approved: 05/31/11	CRD applicable in part
Deleted	DOE N 456.1 CRD The Safe Handling of Unbound Engineered Nanoparticles Approved: 01/05/09	CRD applicable in part
Added	DOE O 458.1 Chg 2 Radiation Protection of the Public and the Environment Approved: 06/06/11	CRD applicable in part
Deleted	DOE M 470.4-1 CRD Change 2 Safeguards and Security Program Planning and Management Approved: 08/26/05 Change 1: 10/20/10	CRD applicable in part
Added	DOE O 470.4B CRD Safeguards and Security Program Approved: 07/21/11	CRD applicable in part
Deleted	DOE M 470.4-5 CRD Personnel Security Approved: 08/26/05	CRD applicable in part

Added	DOE O 472.2 CRD Personnel Security Approved: 07/21/11	CRD applicable in part
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- III. Section J, Attachment J, Performance Evaluation and Measurement Plan (FY2012 as submitted by the Alliance on September 1, 2011) is hereby incorporated into this contract by reference.
- IV. Section J, Attachment O, Commercialization Plan (FY2012 as submitted by the Alliance on September 1, 2011) is hereby incorporated into this contract by reference.
- V. Section J, Attachment P, Five Year Strategic Plan (FY2012 as submitted by the Alliance on September 1, 2011) is hereby incorporated into this contract by reference
- VI. All other terms and conditions of the contract remain the same.