

May 2, 2012

VIA STRIPES

The Office of Chief Operating Officer
National Renewable Energy Laboratory (NREL)
15013 Denver West Parkway
Golden, CO 80401

SUBJECT: Contract No. DE-AC36-08GO28308- Modification No. 510

To Whom it May Concern:

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

- I. Delete and replace Section I, Clause I.15, 52.204-9 Personal Identity Verification of Contractor Personnel (Jan 2011)
- II. Delete and replace Section J, Appendix A, Attachment B Key Personnel
- III. Delete and replace Section J, Attachment F, Operating and Administrative Requirements (List B)

Please return one signed copy of the Modification to the Golden Field Office, attention Jessica Finley, by close-of-business, **June 2, 2012**.

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

Sincerely,

Jean M. Siekerka
Contracting Officer

** See 05.02.11 email documenting agreement with Steve Scott to delete reference to appendix # Sylvia Metzger*

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT		1. CONTRACT ID CODE		PAGE OF PAGES	
				1 2	
2. AMENDMENT/MODIFICATION NO.		3. EFFECTIVE DATE		4. REQUISITION/PURCHASE REQ. NO.	
510		See Block 16C		12EE004143	
5. PROJECT NO. (If applicable)		6. ISSUED BY		7. ADMINISTERED BY (If other than Item 6)	
		CODE 03601		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)		(x) 9A. AMENDMENT OF SOLICITATION NO.			
ALLIANCE FOR SUSTAINABLE ENERGY, LLC Attn: RONALD D. TOWNSEND 1617 COLE BLVD. MS 1715 GOLDEN CO 804013393				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:
X	D. OTHER (Specify type of modification and authority) 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

Administrative modification 510 provides the following significant revisions to Contract #DE-AC36-08GO28308:

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: \$2,082,987,626.99

1. Deletes and replaces Section I, Clause I.15, 52.204-9 Personal Identity Verification of Contractor Personnel.

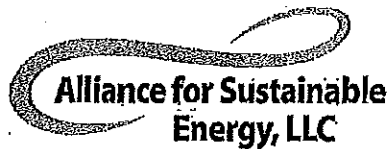
Continued ...

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) Steven A. Silbergleid Interim Deputy Chief Operating Officer		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Jean M. Siekerka	
16B. CONTRACTOR/OFFEROR Signature of person authorizing to sign		16C. DATE SIGNED 05/02/2012	
15C. DATE SIGNED 5/2/12		16B. UNITED STATES OF AMERICA Signature on File Signature of Contracting Officer	

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)
10014	<p>2. Deletes and replaces Section J, Appendix A, Attachment B Key Personnel.</p> <p>3. Deletes and replaces Section J, Attachment F, Operating and Administrative Requirements (List B).</p> <p>Delivery: 05/02/2011 Delivery Location Code: 03601 Golden Field Office U.S. Department of Energy Golden Field Office 1617 Cole Blvd. Golden CO 80401-3393</p> <p>Mark For: Golden Field Office U.S. Department of Energy Golden Field Office 1617 Cole Blvd. Golden CO 80401-3393</p> <p>FOB: Destination Period of Performance: 07/29/2008 to 09/30/2013</p> <p>Add Item 10014 as follows:</p> <p>Administrative Modification - Modifying Contract Clauses Obligated Amount: \$0.00</p> <p><i>* 05.02.12 See 05.02.12 email documenting agreement with Steve Scott to delete reference to appendix A. Sylvia Matzger</i></p>				0.00



The National Renewable Energy Laboratory, a national laboratory of the U.S. Department of Energy Office of Energy Efficiency and Renewable Energy, is managed and operated by Alliance for Sustainable Energy, LLC

ALLIANCE FOR SUSTAINABLE ENERGY, LLC DELEGATION OF AUTHORITY

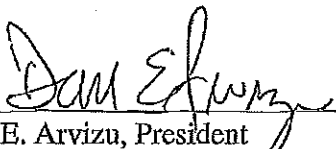
The undersigned, in my capacity as President of the Alliance for Sustainable Energy, LLC (Alliance or Company) do hereby take the following action consistent with the authority delegated to me via the Statement of Unanimous Consent in Lieu of a Special Meeting of the Member Directors of the Alliance for Sustainable Energy, LLC:

Steven Silbergleid, in his capacity as the Interim Deputy Chief Operating Officer (IDCOO), of the National Renewable Energy Laboratory, is hereby delegated authority effective April 26, 2012 to:

- Execute contract modifications to the Company's Prime Contract No. DE-AC36-08GO28308 with the Department of Energy for an unlimited amount on behalf of the Company. This delegation shall expire on February 25, 2013.

Notwithstanding the foregoing, the authority described above shall be without power to further re-delegate.

By: _____


Dan E. Arvizu, President
Alliance for Sustainable Energy, LLC

Contract # DE-AC36-08GO28308

Modification M510

Page 1 of 8

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

- I. Section I, Clause I.15, 52.204-9 Personal Identity Verification of Contractor Personnel (Nov 2006) is hereby deleted and replaced as follows

I.15 52.204-9 Personal Identity Verification of Contractor Personnel (Jan 2011)

(a) The Contractor shall comply with agency personal identity verification procedures identified in the contract that implement Homeland Security Presidential Directive-12 (HSPD-12), Office of Management and Budget (OMB) guidance M-05-24, and Federal Information Processing Standards Publication (FIPS PUB) Number 201.

(b) The Contractor shall account for all forms of Government-provided identification issued to the Contractor employees in connection with performance under this contract. The Contractor shall return such identification to the issuing agency at the earliest of any of the following, unless otherwise determined by the Government;

- (1) When no longer needed for contract performance.
- (2) Upon completion of the Contractor employee's employment.
- (3) Upon contract completion or termination.

(c) The Contracting Officer may delay final payment under a contract if the Contractor fails to comply with these requirements.

(d) The Contractor shall insert the substance of clause, including this paragraph (d), in all subcontracts when the subcontractor's employees are required to have routine physical access to a Federally-controlled facility and/or routine access to a Federally-controlled information system. It shall be the responsibility of the prime Contractor to return such identification to the issuing agency in accordance with the terms set forth in paragraph (b) of this section, unless otherwise approved in writing by the Contracting Officer.

II. Section J, Appendix A, Attachment B Key Personnel, is hereby deleted and replaced as follows

Attachment B Key Personnel

Pursuant to the clause entitled "Key Personnel," the following positions are considered to be essential to work being performed.

Name	Parent Organization	Title	Responsibilities	Accountabilities
Dan Arvizu, Ph.D.	MRI Global	Laboratory Director & President, Alliance	Overall Contract Performance. Sets Laboratory vision, strategy, & standards and expectations for ES&H	Alliance Board of Directors
Kenneth W. Powers	Alliance for Sustainable Energy	Deputy Laboratory Director & COO	Manage business and site operations. Develop plans, priorities and directs resources to enable RDD&D infrastructure, IMS & BSSH&Q owner	Laboratory Director
Bobi Garrett	Battelle	Sr. VP Integrated Planning, Analysis and Assessment	Provide expertise and tools for analysis of technology policy and market issues for new energy technologies. Coordinates development of annual and 5-year strategic plans and advises on LDRD investments.	Laboratory Director
Dana C. Christensen	Alliance for Sustainable Energy	Deputy Laboratory Director S&T	Manage the S&T portfolio. Lead high-risk, high-value exploratory, translational and applied RD&D across the renewable energy research portfolio	Laboratory Director
TBD	Alliance for Sustainable Energy	Sr. VP Commercialization and Deployment	Manage and deploy Laboratory IP. Engage private sector in technology deployment and economic development. Directs investment in technology maturation and commercialization.	Laboratory Director

** See 05.02.11 email re commenting agreement with Steve Scott to delete reference to Appendix A. Sylvia Motzart*

- III. 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
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

Operating and Administrative Requirements	Applicability
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 O 227.1 CRD Independent Oversight Program Approved: 08/30/11	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 O 232.2 CRD Occurrence Reporting and Processing of Operations Information Approved: 08/30/11	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
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

Operating and Administrative Requirements	Applicability
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
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 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

Operating and Administrative Requirements	Applicability
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
DOE O 534.1B CRD Accounting Approved: 01/06/03	CRD applicable in whole
DOE O 551.1C CRD Official Foreign Travel Approved: 06/24/08	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 510**

Deleted	DOE O 551.1B CRD Official Foreign Travel Approved: 08/19/03	CRD applicable in whole
Added	DOE O 551.1C CRD Official Foreign Travel Approved: 06/24/08	CRD applicable in whole

IV. All other terms and conditions of the contract remain the same.