

2. AMENDMENT/MODIFICATION NO. 1120	3. EFFECTIVE DATE See Block 16C	4. REQUISITION/PURCHASE REQ. NO.	5. PROJECT NO. (If applicable)
6. ISSUED BY CODE Golden Field Office U.S. Department of Energy Golden Field Office 1617 Cole Blvd. Golden CO 80401-3393		7. ADMINISTERED BY (If other than Item 6) CODE	

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code) ALLIANCE FOR SUSTAINABLE ENERGY, LLC Attn: RONALD TOWNSEND PO BOX 4011 MAILSTOP RSF-053 GOLDEN CO 80402	(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)
ADMIN MODIFICATION

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).
X	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF: Clause I.149 970.5243-1 Changes (Dec. 2000)
	D. OTHER (Specify type of modification and authority)

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 1120 provides the following significant revisions to Contract Number DE-AC36-08GO28308:

- I. The total award value is increased from \$3.6 billion to \$4.5 billion.
 - II. Section J, Attachment F, Operating and Administrative Requirements (List B) is deleted and replaced to add DOE O 470.5, Insider Threat Program.
 - III. Section J, Attachment K, NREL's Diversity Plan for CY2015 is deleted and replaced with the Diversity Plan for CY2016.
- Continued ...

Except as provided herein, all terms and conditions of the document referenced in Item 9 A 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) Jean M. Siekerka
15B. CONTRACTOR/OFFEROR <i>(Signature of person authorized to sign)</i>	15C. DATE SIGNED
16B. UNITED STATES OF AMERICA Signature on File <i>(Signature of Contracting Officer)</i>	16C. DATE SIGNED 09/23/2016

CONTINUATION SHEET

REFERENCE NO. OF DOCUMENT BEING CONTINUED
DE-AC36-08GO28308/1120

PAGE OF
2 6

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)
	<p>IV. All other terms and conditions of the contract remain the same.</p> <p>This contract is to operate and manage the National Renewable Energy Laboratory.</p> <p>Payment: OR for Golden U.S. Department of Energy Oak Ridge Financial Service Center P.O. Box 4517 Oak Ridge TN 37831</p> <p>Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000</p> <p>FOB: Destination Period of Performance: 07/29/2008 to 09/30/2018</p>				

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

- I. The total award value is increased from \$3.6 billion to \$4.5 billion.

- II. Section J, Attachment F, Operating and Administrative Requirements (List B), is deleted and replaced as follows.

Attachment F Operating and Administrative Requirements (List B)

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, and 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 CRD Information Technology Management Approved: 12/23/2008	CRD applicable in whole
DOE O 205.1B CRD Department of Energy Cyber Security Program Approved: 05/16/11	CRD applicable in part
DOE O 206.1 CRD Department of Energy Privacy Program Approved: 01/16/09	CRD applicable in whole
DOE O 206.2 CRD Identity, Credential, and Access Management (ICAM) 02/19/13	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 O 231.1B CRD Environment, Safety and Health Reporting Approved: 06/27/11	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 243.1B CRD Records Management Program Approved: 03/11/13	CRD applicable in part
DOE O 350.1 CRD Change 5 Contractor Human Resource Management Programs Approved: 09/30/96 Change 5: 09/30/14	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 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

Operating and Administrative Requirements	Applicability
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 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 443.1B CRD Change 1 Protection of Human Research Subjects Approved: 04/21/16	CRD applicable in part
DOE O 456.1 CRD The Safe Handling of Unbound Engineered Nanoparticles Approved: 05/31/11	CRD applicable in part
DOE O 458.1 CRD Change 2 Radiation Protection of the Public and the Environment Approved: 06/06/11	CRD applicable in part
DOE O 470.4B CRD Safeguards and Security Program Approved: 07/21/11	CRD applicable in part
DOE O 470.5 CRD Insider Threat Program Approved 06/02/14	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 473.3 CRD Protection Program Operations Approved: 06/29/11	CRD applicable in part
DOE O 475.1 CRD Counterintelligence Program Approved: 12/10/04	CRD applicable in whole

Operating and Administrative Requirements	Applicability
OE O 483.1A CRD DOE Cooperative Research and Development Agreements Approved: 11/06/13	CRD applicable in part
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 551.1D CRD Official Foreign Travel Approved: 04/02/12	CRD applicable in whole
DOE O 580.1A CRD Department of Energy Personal Property Management Program Approved: 03/30/12	CRD applicable in whole

**Summary of Modifications to Attachment F
Operating and Administrative Requirements
Mod 1120**

Added	DOE O 470.5 CRD Insider Threat Program Approved 06/02/14	CRD applicable in part
-------	--	------------------------

III. Section J, Attachment K, NREL’s Diversity Plan CY 2015 is hereby deleted and NREL’s Diversity Plan CY2016 is hereby incorporated into this contract by reference.

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