

July 26, 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. 549

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.16, 52.204-10 Reporting Executive Compensation and First-Tier Subcontract Awards (Feb 2012)
- II. Delete and replace Section J, Appendix A, Personnel
- III. Delete and replace Section J, Attachment B, Key Personnel
- IV. Delete and replace Section J, Attachment E, Applicable Law and Regulations (List A)
- V. Delete and replace Section J, Attachment F, Operating and Administrative Requirements (List B)
- VI. Delete and replace Section J, Attachment I, Subcontracts, Purchase Orders And Other Actions Requiring DOE Review And Approval And Other Agreements Between The Parties
- VII. Incorporate Section J, Attachment J, Performance Evaluation And Measurement Plan dated July 5, 2012
- VIII. Incorporate Section J, Attachment K, NREL's Diversity Plan CY2012

Please return one signed copy of the Modification to the Golden Field Office, attention Jessica Finley, by close-of-business, **August 26, 2012**.

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

Sincerely,

Jean M. Siekerka  
Contracting Officer

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT		1. CONTRACT ID CODE	PAGE OF PAGES 1 19
2. AMENDMENT/MODIFICATION NO. 549	3. EFFECTIVE DATE See Block 16C	4. REQUISITION/PURCHASE REQ. NO. 12EE005646	5. PROJECT NO. (If applicable)
6. ISSUED BY Golden Field Office U.S. Department of Energy Golden Field Office 1617 Cole Blvd. Golden CO 80401-3393	CODE 03601	7. ADMINISTERED BY (If other than Item 6) Golden Field Office U.S. Department of Energy Golden Field Office 1617 Cole Blvd. Golden CO 80401-3393	CODE 03601
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.	
CODE 805948051 FACILITY CODE		9B. DATED (SEE ITEM 11)	
		x 10A. MODIFICATION OF CONTRACT/ORDER NO. DE-AC36-08GO28308	
		10B. DATED (SEE ITEM 13) 07/29/2008	

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 549 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: \$2,117,620,140.14

I. Delete and replace Section I, Clause I.16, 52.204-10 Reporting Executive Compensation and First-Tier Subcontract Awards (Feb 2012)

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. Silbergeld Interim Deputy Chief Operating Officer	16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Jean M. Siekerka
15B. CONTRACTOR/OFFEROR Steven A. Silbergeld (Signature of person authorized to sign)	16B. UNITED STATES OF AMERICA Signature on File (Signature of Contracting Officer)
15C. DATE SIGNED 7/27/12	16C. DATE SIGNED 07/26/2012

CONTINUATION SHEET

REFERENCE NO. OF DOCUMENT BEING CONTINUED  
DE-AC36-08G028308/549

PAGE OF  
2 19

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)
10016	<p>II.Delete and replace Section J, Appendix A, Personnel</p> <p>III.Delete and replace Section J, Attachment B, Key Personnel</p> <p>IV.Delete and replace Section J, Attachment E, Applicable Law and Regulations (List A)</p> <p>V.Delete and replace Section J, Attachment F, Operating and Administrative Requirements (List B)</p> <p>VI.Delete and replace Section J, Attachment I, Subcontracts, Purchase Orders And Other Actions Requiring DOE Review And Approval And Other Agreements Between The Parties</p> <p>VII.Incorporate Section J, Attachment J, Performance Evaluation And Measurement Plan dated July 5, 2012</p> <p>VIII.Incorporate Section J, Attachment K, NREL's Diversity Plan CY2012</p> <p>This Contract is to operate and manage the National Renewable Energy Laboratory. 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 10016 as follows:</p> <p>Admin Modification Obligated Amount: \$0.00</p>				0.00

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

- I. Section I, Clause I.16, 52.204-10 Reporting and Subcontract Awards (Sept 2007) is hereby deleted and replaced as follows

**I.16 52.204-10 Reporting Executive Compensation and First-Tier Subcontract Awards (Feb 2012)**

- a) *Definitions.* As used in this clause:

“Executive” means officers, managing partners, or any other employees in management positions.

“First-tier subcontract” means a subcontract awarded directly by a Contractor to furnish supplies or services (including construction) for performance of a prime contract, but excludes supplier agreements with vendors, such as long-term arrangements for materials or supplies that would normally be applied to a Contractor’s general and administrative expenses or indirect cost.

“Total compensation” means the cash and noncash dollar value earned by the executive during the Contractor’s preceding fiscal year and includes the following (for more information see 17 CFR 229.402(c)(2)):

(1) Salary and bonus.

(2) Awards of stock, stock options, and stock appreciation rights. Use the dollar amount recognized for financial statement reporting purposes with respect to the fiscal year in accordance with the Financial Accounting Standards Boards’ Accounting Standards Codification (FASB ASC) 718, Compensation-Stock Compensation.

(3) Earnings for services under non-equity incentive plans. This does not include group life, health, hospitalization or medical reimbursement plans that do not discriminate in favor of executives, and are available generally to all salaried employees.

(4) Change in pension value. This is the change in present value of defined benefit and actuarial pension plans.

(5) Above-market earnings on deferred compensation which is not tax-qualified.

(6) Other compensation, if the aggregate value of all such other compensation (*e.g.*, severance, termination payments, value of life insurance paid on behalf of the employee, perquisites or property) for the executive exceeds \$10,000.

(b) Section 2(d) of the Federal Funding Accountability and Transparency Act of 2006 (Pub. L. No. 109-282), as amended by section 6202 of the Government Funding Transparency Act of

2008 (Pub. L. 110-252), requires the Contractor to report information on subcontract awards. The law requires all reported information be made public, therefore, the Contractor is responsible for notifying its subcontractors that the required information will be made public.

(c)(1) Unless otherwise directed by the contracting officer, by the end of the month following the month of award of a first-tier subcontract with a value of \$25,000 or more, (and any modifications to these subcontracts that change previously reported data), the Contractor shall report the following information at <http://www.fsrs.gov> for each first-tier subcontract. (The Contractor shall follow the instructions at <http://www.fsrs.gov> to report the data.)

- (i) Unique identifier (DUNS Number) for the subcontractor receiving the award and for the subcontractor's parent company, if the subcontractor has a parent company.
- (ii) Name of the subcontractor.
- (iii) Amount of the subcontract award.
- (iv) Date of the subcontract award.
- (v) A description of the products or services (including construction) being provided under the subcontract, including the overall purpose and expected outcomes or results of the subcontract.
- (vi) Subcontract number (the subcontract number assigned by the Contractor).
- (vii) Subcontractor's physical address including street address, city, state, and country. Also include the nine-digit zip code and congressional district.
- (viii) Subcontractor's primary performance location including street address, city, state, and country. Also include the nine-digit zip code and congressional district.
- (ix) The prime contract number, and order number if applicable.
- (x) Awarding agency name and code.
- (xi) Funding agency name and code.
- (xii) Government contracting office code.
- (xiii) Treasury account symbol (TAS) as reported in FPDS.
- (xiv) The applicable North American Industry Classification System code (NAICS).

(2) By the end of the month following the month of a contract award, and annually thereafter, the Contractor shall report the names and total compensation of each of the five most highly compensated executives for the Contractor's preceding completed fiscal year in the Central Contractor Registration (CCR) database via <https://www.acquisition.gov> , if—

(i) In the Contractor's preceding fiscal year, the Contractor received—

(A) 80 percent or more of its annual gross revenues from Federal contracts (and subcontracts), loans, grants (and subgrants) and cooperative agreements; and

(B) \$25,000,000 or more in annual gross revenues from Federal contracts (and subcontracts), loans, grants (and subgrants) and cooperative agreements; and

(ii) The public does not have access to information about the compensation of the executives through periodic reports filed under section 13(a) or 15(d) of the Securities Exchange Act of 1934 (15 U.S.C. 78m(a), 78o(d)) or section 6104 of the Internal Revenue Code of 1986. (To determine if the public has access to the compensation information, see the U.S. Security and Exchange Commission total compensation filings at <http://www.sec.gov/answers/execomp.htm> .)

(3) Unless otherwise directed by the contracting officer, by the end of the month following the month of a first-tier subcontract with a value of \$25,000 or more, and annually thereafter, the Contractor shall report the names and total compensation of each of the five most highly compensated executives for each first-tier subcontractor for the subcontractor's preceding completed fiscal year at <http://www.fsr.gov> , if—

(i) In the subcontractor's preceding fiscal year, the subcontractor received—

(A) 80 percent or more of its annual gross revenues from Federal contracts (and subcontracts), loans, grants (and subgrants) and cooperative agreements; and

(B) \$25,000,000 or more in annual gross revenues from Federal contracts (and subcontracts), loans, grants (and subgrants) and cooperative agreements; and

(ii) The public does not have access to information about the compensation of the executives through periodic reports filed under section 13(a) or 15(d) of the Securities Exchange Act of 1934 (15 U.S.C. 78m(a), 78o(d)) or section 6104 of the Internal Revenue Code of 1986. (To determine if the public has access to the compensation information, see the U.S. Security and Exchange Commission total compensation filings at <http://www.sec.gov/answers/execomp.htm> .)

(d)(1) If the Contractor in the previous tax year had gross income, from all sources, under \$300,000, the Contractor is exempt from the requirement to report subcontractor awards.

(2) If a subcontractor in the previous tax year had gross income from all sources under \$300,000, the Contractor does not need to report awards to that subcontractor.

(e) Phase-in of reporting of subcontracts of \$25,000 or more.

(1) Until September 30, 2010, any newly awarded subcontract must be reported if the prime contract award amount was \$20,000,000 or more.

(2) From October 1, 2010, until February 28, 2011, any newly awarded subcontract must be reported if the prime contract award amount was \$550,000 or more.

(3) Starting March 1, 2011, any newly awarded subcontract must be reported if the prime contract award amount was \$25,000 or more.

**II.** Section J, Appendix A, Personnel is hereby deleted and replaced as attached. Section J, Appendix A, Section 11. Travel and Relocation has been changed as requested and all other sections remain unchanged. **(not posted)**

**III.** Section J, Attachment B, Key Personnel is hereby deleted and replaced as follows

**(not posted)**

- IV. Section J, Attachment E, Applicable Law and Regulations (List A) is hereby deleted and replaced as follows

**Attachment E**  
**Applicable Laws And Regulations (List A)**

**Necessary and Sufficient Environmental,  
Safety and Health Standards**  
**Revised: 07/20/2012**

<b>CODE OF FEDERAL REGULATIONS (CFR)</b>
7 CFR 340-Biotechnology Permits
10 CFR 8.4 - Interpretation by the General Counsel: AEC Jurisdiction
10 CFR 707 Workplace Substance Abuse Programs at DOE Sites
10 CFR 835 - Occupational Radiation Protection
10 CFR 851 – Worker Safety and Health Program
10 CFR 1008 Records Maintained on Individuals (Privacy Act)
10 CFR 1021 - DOE NEPA Implementing Regulations, Subtitle B - DOE Decision making
10 CFR 1021 - DOE NEPA Implementing Regulations, Subtitle D - Typical Classes of Actions (Including ref. Appendices A-D)
10 CFR Part 1022 Department of Energy Floodplain and Wetland Regulations
10 CFR 1046.11 Medical and Physical Fitness Qualification Standards
14 CFR 77; Objects Affecting Navigable Airspace
27 CFR Part 19; Distilled Spirits Plants
27 CFR Part 22; Distribution and Use of Tax-Free Alcohol
33 CFR 320 - General Regulatory Policies
33 CFR 323 - Permits for Discharges of Dredged or Fill Material into Waters of the United States
33 CFR 325 - Processing of Department of the Army Permits
33 CFR 328 - Definition of Waters of the United States
33 CFR 330 - Nationwide Permits
36 CFR 63 - Determination of Eligibility for Inclusion in the National Register of Historic Places
36 CFR 65 - National Historic Landmarks Program
36 CFR 78 - Waiver of Federal agency responsibilities under section 110 of the National Historic Preservation Act
36 CFR 79 - Curation of Federally-Owned and Administered Archaeological Collections.
36 CFR 800 - Protection of Historic and Cultural Properties
40 CFR 50 - National Primary and Secondary Ambient Air Quality Standards



40 CFR Parts 51, 52, 70, and 71 – Prevention of Significant Deterioration and Title V Greenhouse Gas Tailoring Rule
40 CFR 60 – Standards of Performance for New Stationary Sources
40 CFR 61- National Emission Standards for Hazardous Air Pollutants
40 CFR 66 - Assessment and Collection of Noncompliance Penalties by EPA
40 CFR 79 - Registration of Fuels and Fuel Additives
40 CFR 82 - Protection of Stratospheric Ozone
40 CFR Parts 86, 87, 89, 90, 94, 98, 1033, 1039, 1042, 1045, 1051, 1054, and 1065 - Mandatory Reporting of Greenhouse Gas
40 CFR 88 - Clean-Fuel Vehicles
40 CFR 110 - Discharge of Oil
40 CFR 112 - Oil Pollution Prevention
40 CFR 113 - Liability Limits for Small Onshore Storage Facilities
40 CFR 116 - Designation of Hazardous Substances
40 CFR 117 - Determination of Reportable Quantities for Hazardous Substances
40 CFR 122 - EPA Administered Permit Programs: The National Pollutant Discharge Elimination System (NPDES)
40 CFR 131 - Water Quality Standards
40 CFR 141 - National Primary Drinking Water Regulations
40 CFR 142 - National Primary Drinking Water Regulations Implementation
40 CFR 166 - Exemption of Federal and State Agencies for use of Pesticides under Emergency Conditions
40 CFR 171 - Certification of Pesticide Applicators
40 CFR 260-270 - Resource Conservation and Recovery Act (RCRA)
40 CFR 273 - Standards for Universal Waste Management
40 CFR 279 - Standards for the Management of Used Oil
40 CFR 302 - Designation, Reportable Quantities, and Notification (CERCLA)
40 CFR 355 - Emergency Planning and Notification (CERCLA)
40 CFR 370 - Hazardous Chemical Reporting: Community Right -To-Know
40 CFR 401 - General Provisions - Effluent Guideline and Standards
40 CFR 403 - General Pretreatment Regulations for Existing and New Sources of Pollution
40 CFR Parts 1500-1508 – Council on Environmental Quality Regulations for Implementing NEPA
48 CFR 970.5223 – Integration of Environment, Safety and Health into Work Planning and Execution
49 CFR 107-199 - Transportation - Hazardous Materials Regulations
49 CFR 382-399 - Transportation - Federal Motor Carrier Safety Regulations
50 CFR 17 - Endangered and Threatened Wildlife and Plants
50 CFR 402 - Interagency Cooperation - Endangered Species Act of 1973
50 CFR 450 - General Provisions - Endangered Species Exemption Process
50 CFR 451 - Application Process

UNITED STATES CODE (USC)
7 USC 136 et seq. - Environmental Pesticide Control Act
7 USC 136 et seq. - Federal Insecticide, Fungicide, and Rodenticide Act
7 USC 7701 Plant Protection Act 2000 (as amended by the Noxious Weed Control and Eradication Act 2004)
7 USC 2814 - Federal Noxious Weed Act of 1974 as amended
16 USC 431 et seq. - Antiquities Act of 1906
16 USC 470 et seq. - Archaeological Resources Protection Act of 1979 (ARPA)
16 USC 470 et seq. - National Historic Preservation Act of 1966 (NHPA)
16 USC 661 et seq. - Fish and Wildlife Coordination Act
16 USC 668 et seq. - Bald and Golden Eagle Protection Act
16 USC 703 et seq. - Migratory Bird Treaty Act
16 USC 1531 et seq. - Endangered Species Act of 1973
26 USC Chapter 51; Distilled Spirits, Wines, and Beer
33 USC 403 - Rivers and Harbors Act
33 USC 1251, et seq. - Clean Water Act
33 USC 1321 - Oil and Hazardous Substances Liability (Clean Water Act, Section 311)
42 USC Sec. 300f et seq. - Safe Drinking Water Act, and 42 USC 201 - Safe Drinking Water Act Amendments of 1996
42 USC 4321-4347 The National Environmental Policy Act of 1969, as amended
42 USC 6901 et seq. - Resource Conservation and Recovery Act (RCRA)
42 USC 7401 et seq. - Clean Air Act & Amendments
42 USC 9602 - CERCLA, Title I, Section 102 - Reportable Quantities and Additional Designations
42 USC 9603 - CERCLA, Title I, Section 103 - Notices, Penalties
42 USC 11000-11050 - Emergency Planning and Community Right-to-Know Act of 1986 (EPCRA)
42 USC 13101-13109 - Pollution Prevention Act of 1990
42 USC 17094 Sec 438 - Storm Water Runoff Requirements for Federal Development Projects
EXECUTIVE ORDER (EO)
EO 11593 - Protection and Enhancement of Cultural Environment 1971
EO 11738 - Providing for Administration of the Clean Air Act and the Federal Water Pollution Control Act with Respect to Federal Contracts, Grants or Loans
EO 11988 - Floodplain Management
EO 11990 - Protection of Wetlands
EO 12114 - Environmental Effects Abroad of Major Federal Actions
EO 12898 - Federal Actions to Address Environmental Justice in Minority Populations and Low Income Populations
EO 13112 - Invasive Species 1999
EO 13186 - Responsibilities of Federal Agencies to Protect Migratory Birds
EO 13423 - Strengthening Federal Environmental, Energy, and Transportation Management

EO 13514 – Federal Leadership in Environmental, Energy, and Economic Performance
CODE OF COLORADO REGULATIONS (CCR)
2 CCR 402-2 - Water Well Construction
2 CCR 402-4 - Rules for Small Capacity Well Permits in Designated Ground Water Basins
2 CCR 402-10 – Geothermal Walls
2 CCR 406-8 Chapter 10, Article 2 and 3 - Non-Game Wildlife
5 CCR 1001. 1-20 - Colorado Department of Public Health & Environment, Air Quality Control Commission Regulations
5 CCR 1002-31 - Basic Standards and Methodologies for Surface Water
5 CCR 1002-41 - The Basic Standards for Groundwater
5 CCR 1002-42 - Site-Specific Water Quality Classifications and Standards for Ground Water (Rocky Flats Area)
5 CCR 1002-61 - Colorado Discharge Permit System Regulations
5 CCR 1002-62 - Regulations for Effluent Limits
5 CCR 1002-63 - Pretreatment Regulations
5 CCR 1002-65 - Regulations Controlling Discharges to Storm Sewers
5 CCR 1003 -1 - Primary Drinking Water Regulations
5 CCR 1003-6 - Guidelines on Individual Sewage Disposal Systems
6 CCR 1007-1, Part 1 - General Provisions
6 CCR 1007-1, Part 2 - Registration of Radiation Producing Machines
6 CCR 1007-1, Part 8 - Radiation Safety Requirements for Analytical X-Ray Equipment
6 CCR 1007-1, Part 10 - Notices, Instructions, and Reports to Workers: Inspections
6 CCR 1007-1, Part 17 - Transportation of Radioactive Material
6 CCR 1007-3, Colorado Hazardous Waste Regulations
7 CCR 1101-5, Colorado Boiler and Pressure Vessel Rule
7 CCR 1101-8, Conveyance Regulations
7 CCR 1101-14 – Underground Storage Tanks and Aboveground Storage Tanks
8 CCR 1507-1 - Colorado Operation of Commercial Vehicles and Transportation of Hazardous Materials
8 CCR 1507-25 – Rules and Regulations Concerning the Permitting, Routing & Transportation of Hazardous and Nuclear Materials and the Intrastate Transportation of Agricultural Products in the State of Colorado
COLORADO REVISED STATUTES (CRS)
8 CRS 20.5, Parts 1-3 - Petroleum Storage Tanks
9 CRS 4 – Boiler Inspection
25 CRS 7 - Air Quality Control
25 CRS 8 - Colorado Water Quality Control Act
25 CRS 10 - Individual Sewage Disposal Systems Act
25 CRS 15, Part 1, Part 3 - State Hazardous Waste Management Program
25 CRS 15, Part 1, Part 4 - Infectious Waste

29 CRS 22 - Hazardous Substances Incidents
33 CRS 2 - Nongame and Endangered Species Conservation
33 CRS 6 - Law Enforcement and Penalties
33 CRS 6-109 – Wildlife – Illegal possession
33 CRS 6-128 – Wildlife – Damage or destruction of dens or nests – harassment of wildlife
35 CRS 5 - Pest Control Districts
35 CRS 5.5 - Colorado Weed Management Act
35 CRS 9 - Pesticide Act
35 CRS 10 - Pesticide Applicators Act
37 CRS 90 - 101, et seq. - Colorado Ground Water Management Act
AMERICAN CONFERENCE OF GOVERNMENTAL INDUSTRIAL HYGIENISTS (ACGIH)
INTERNATIONAL CONFERENCE OF BUILDING OFFICIALS
International Building Code (IBC) 2009
International Fire Code (IFC) 2009
INTERNATIONAL STANDARDS ORGANIZATION (ISO)
ISO 14001:2004, Environmental Management Systems
OTHER LOCAL STANDARDS
Consolidated Mutual Water Company Rules
Jefferson County Dept. of Health and Environment, Individual Sewage Disposal Sys. Reg.
Jefferson County Planning and Zoning Land Development Regulation, Section 18 (Drainage) and Section 20 (Floodplain)
Jefferson County Planning and Zoning Storm Drainage and Technical Criteria
Jefferson County Department of Health and Environment, Ozone-Depleting Substance Equipment Inspection
Metro Wastewater Reclamation District Rules and Regulations
Pleasant View Water and Sanitation District Rules and Regulations
West Metro Fire Rescue Amendments to the International Fire Code

- V. 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 243.1A CRD Records Management Program Approved: 11/07/11	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 551.1D 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 549**

Deleted	DOE O 243.1 Records Management Program Approved: 02/03/06	CRD applicable in whole
Added	DOE O 243.1A Records Management Program Approved: 11/07/11	CRD applicable in whole



Deleted	DOE O 551.1C CRD Official Foreign Travel Approved: 06/24/08	CRD applicable in whole
Added	DOE O 551.1D CRD Official Foreign Travel Approved: 04/02/12	CRD applicable in whole
Deleted	DOE O 580.1 CRD Department of Energy Personal Property Management Program Approved: 12/07/05	CRD applicable in whole
Added	DOE O 580.1A CRD Department of Energy Personal Property Management Program Approved: 03/30/12	CRD applicable in whole

- VI.** Section J, Attachment I, Subcontracts, Purchase Orders And Other Action Requiring DOE Review And Approval And Other Agreements Between The Parties is hereby deleted and replaced as follows **(not posted)**
- VII.** Section J, Attachment J, Performance Evaluation And Measurement Plan dated July 5, 2012 is hereby incorporated into this contract by reference. **(not posted)**
- VIII.** Section J, Attachment K, NREL's Diversity Plan CY2012 is hereby incorporated into this contract by reference. **(not posted)**
- IX.** All other terms and conditions of the contract remain the same.