

This Modification incorporates the following significant changes to contract DE-AC36-99GO10337:

- I. Section J, ATTACHMENT 1 “KEY PERSONNEL” of Contract DE-AC36-99GO10337 is deleted and replaced in its entirety with the following which reflects a recent reorganization of the National Renewable Energy Laboratory:

SECTION J – LIST OF DOCUMENTS, EXHIBITS AND OTHER ATTACHMENTS

ATTACHMENT I

KEY PERSONNEL

In accordance with DEAR 952.215-70 Key Personnel (DEC 2000) of this contract the following personnel are identified as key to the success of this contract.

Dr. Dan E. Arvizu	Director
Mr. William S. Glover	Deputy Director and Chief Operating Officer
Ms. Bobi Garrett	Associate Director, Strategic Development and Analysis
Dr. B. Ray Stultz	Associate Director, Energy Sciences
Dr. Stanley R. Bull	Associate Director, Renewable Electricity Science and Technology
Mr. Dale Gardner	Associate Director, Renewable Fuels Science and Technology

Should a key person voluntarily or involuntarily terminate employment at the National Renewable Energy Laboratory for any reason that information will be communicated in a timely manner to DOE, and the name of the individual selected as the replacement will be submitted to DOE for approval consistent with the provisions of DEAR 952.215-70 Key Personnel (DEC 2000).

- II SECTION J, LIST OF DOCUMENTS, EXHIBITS AND OTHER ATTACHMENTS, ATTACHMENT 5 OPERATING AND ADMINISTRATIVE REQUIREMENTS (LIST B) is deleted and replaced in its entirety with the following which reflects the incorporation of the following changes:

**Summary of Modifications to Attachment 5
Operating and Administrative Requirements**

Added	DOE M 470.4-1 CRD Safeguards and Security Program Planning and Management Approved: 08/26/05	CRD applicable in part
Added	DOE M 470.4-2 CRD Physical Protection Approved: 08/26/05	CRD applicable in part
Added	DOE M 470.4-3 CRD Protective Force Approved: 08/26/05	CRD applicable in part
Added	DOE M 470.4-4 CRD Information Security Approved: 08/26/05	CRD applicable in part
Added	DOE M 470.4-5 CRD Personnel Security Approved: 08/26/05	CRD applicable in part
Added	DOE O 243.1 CRD Records Management Program Approved: 02/03/06	CRD applicable in whole
Added	DOE O 243.2 CRD Vital Records Approved: 02/02/06	CRD applicable in whole
Added	DOE O 580.1 CRD Department of Energy Personal Property Management Program Approved: 12/07/05	CRD applicable in whole
Deleted	DOE N 473.9 CRD Security Conditions Approved: 07/08/04 DOE N 251.64, dated 07/07/05, extends this directive until 07/07/06	CRD applicable in whole
Deleted	DOE M 473.1-1 CRD Physical Protection Program Manual Approved: 12/23/02	CRD applicable in part

Deleted	DOE O 470.1 Change 1 CRD Safeguards and Security Program Approved: 09/28/95 Change 1: 06/21/96 DOE N 251.53, dated 05/14/03, extends this directive until 05/14/04 Partial deletion by DOE O 471.4 Incidents of Security Concern. DOE O 471.4 Incidents of Security Concern partially deletes DOE O 470.1, Change 1, Safeguards and Security Program, by canceling Chapter VII, "Incidents of Safeguards and Security Concern" DOE N 251.63, dated 05/11/05, extends this directive until 05/11/06	CRD applicable in part
Deleted	DOE O 471.4 CRD Incidents of Security Concern Approved: 03/17/04	CRD applicable in part
Deleted	DOE O 473.1 CRD Physical Protection Program Approved: 12/23/02	CRD applicable in part
Deleted	DOE O 473.2 CRD Protective Force Program Approved: 06/30/00	CRD applicable in part

**SECTION J – LIST OF DOCUMENTS, EXHIBITS AND OTHER ATTACHMENTS
ATTACHMENT 5**

OPERATING AND ADMINISTRATIVE REQUIREMENTS (LIST B)

Prime Contract No. DE-AC36-99GO10337

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-19 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-19, 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 110.3 CRD Conference Management Approved: 11/03/99	CRD applicable in whole
DOE O 130.1 CRD Budget Formulation Approved: 09/29/95	CRD applicable in whole
DOE O 142.3 CRD Unclassified Foreign Visits and Assignments Program Approved: 06/18/04	CRD applicable in whole
DOE O 151.1C CRD Comprehensive Emergency Management System Approved: 11/02/05	CRD applicable in whole
DOE O 200.1 CRD Information Management Program Approved: 09/30/96	CRD applicable in whole
DOE N 203.1 CRD Software Quality Assurance Approved: 10/02/00	CRD applicable in whole
DOE O 205.1 CRD Department of Energy Cyber Security Management Program Approved: 03/21/03	CRD applicable in whole
DOE M 205.1-1 CRD Incident Prevention, Warning, and Response (IPWAR) Manual Approved: 09/30/04	CRD applicable in whole
DOE M 205.1-2 CRD Clearing, Sanitization, and Destruction of Information Storage Media, Memory Devices, and Related Hardware Manual Approved: 06/26/05	CRD applicable in part

Operating and Administrative Requirements	Applicability
DOE N 205.2 CRD Foreign National Access to DOE Cyber Systems Approved: 11/01/99 DOE N 205.7, dated 02/12/04, extends this directive until 08/12/04 DOE N 205.16, dated 9/15/05, extends this directive until 09/30/06	CRD applicable in whole
DOE N 205.3 CRD Password Generation, Protection and Use Approved: 11/23/99 DOE N 205.7, dated 02/12/04, extends this directive until 08/12/04 DOE N 205.16, dated 9/15/05, extends this directive until 09/30/06	CRD applicable in part
DOE N 205.8 CRD Cyber Security Requirements for Wireless Devices and Information Systems Approved: 02/11/04 DOE N 205.15, dated 03/18/05, extends this directive until 03/18/06	CRD applicable in part
DOE N 205.9 CRD Certification and Accreditation Process for Information Systems Including National Security Systems Approved: 02/19/04 DOE N 205.15, dated 03/18/05, extends this directive until 03/18/06	CRD applicable in part
DOE N 205.10 CRD Cyber Security Requirements for Risk Management Approved: 02/19/04 DOE N 205.15, dated 03/18/05, extends this directive until 03/18/06	CRD applicable in part
DOE N 205.11 CRD Security Requirements for Remote Access to DOE and Applicable Contractor Information Technology Systems Approved: 02/19/04 DOE N 205.15, dated 03/18/05, extends this directive until 03/18/06	CRD applicable in part
DOE O 221.1 CRD Reporting Fraud, Waste, and Abuse to the Office of Inspector General Approved: 03/22/01	CRD applicable in whole
DOE O 221.2 CRD Cooperation with the OIG Approved: 03/22/01	CRD applicable in whole
DOE O 225.1A CRD Accident Investigations Approved: 11/26/97	CRD applicable in whole
DOE O 226.1 CRD Implementation of Department of Energy Oversight Policy Approved: 09/15/05	CRD applicable in whole
DOE M 231.1-1A CRD Environment, Safety and Health Reporting Manual Approved: 03/19/04	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

Operating and Administrative Requirements	Applicability
DOE O 241.1A CRD Scientific and Technical Information Management Approved: 04/09/01	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 251.1A CRD Directives System Approved: 01/30/98	CRD applicable in whole
DOE O 350.1 Change 1 CRD(s) Contractor Human Resource Management Programs Approved: 09/30/96 Change 1: 05/08/98	CRD applicable in whole
DOE O 350.2A CRD Use of Management and Operating or Other Facility Management Contractor Employees for Services to DOE in the Washington, D.C., Area Approved: 10/29/03	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 413.3 Change 1 CRD Program and Project Management for the Acquisition of Capital Assets Approved: 10/13/00 Change 1: 01/03/05	CRD applicable in whole
DOE O 414.1C CRD Quality Assurance Approved: 06/17/05	CRD applicable in part
DOE O 430.1B CRD 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 443.1 CRD Protection of Human Subjects Approved: 05/15/00	CRD applicable in whole
DOE O 450.1 CRD Environmental Protection Program Approved: 01/15/03	CRD applicable in whole

Operating and Administrative Requirements	Applicability
DOE O 470.2B CRD Independent Oversight and Performance Assurance Program Approved: 10/31/02	CRD applicable in whole
DOE M 470.4-1 CRD Safeguards and Security Program Planning and Management Approved: 08/26/05	CRD applicable in part
DOE M 470.4-2 CRD Physical Protection Approved: 08/26/05	CRD applicable in part
DOE M 470.4-3 CRD Protective Force Approved: 08/26/05	CRD applicable in part
DOE M 470.4-4 CRD Information Security Approved: 08/26/05	CRD applicable in part
DOE M 470.4-5 CRD Personnel Security Approved: 08/26/05	CRD applicable in part
DOE O 475.1 CRD Counterintelligence Program Approved 12/10/04	CRD applicable in whole
DOE N 481.1A CRD Reimbursable Work for Department of Homeland Security Approved: 04/21/03 DOE N 251.56, dated 04/20/04, extends this directive until 04/20/05	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 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 551.1B 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

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