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TO
SUBCONTRACT SCHEDULE

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SAMPLE

SUBCONTRACT NO. *****

UNDER

PRIME CONTRACT NO. DE-AC36-99GO10337

CONTRACTING PARTY: MIDWEST RESEARCH INSTITUTE
NATIONAL RENEWABLE ENERGY LABORATORY DIVISION

SUBCONTRACTOR: *****

ADDRESS: ****

SUBCONTRACT TITLE: "SCIENTIFIC AND BUSINESS INFORMATION TECHNOLOGY
SERVICES AND SUPPORT"

TYPE OF SUBCONTRACT: LABOR HOUR WITH OPTIONS – WORK ORDER PROCESS

PERIOD OF PERFORMANCE: BASIC: EXECUTION THROUGH TWELVE (12) MONTHS
OPTION I: MONTH 13 THROUGH MONTH 24 (IF EXERCISED)

**SUBCONTRACT CEILING
AMOUNT:**

BASIC:	\$***.00
OPTION I:	<u>\$***.00</u>
TOTAL:	\$***.00

PAYMENT TERMS: NET ***

**SUBCONTRACTOR'S
REMITTANCE NAME
AND ADDRESS:** ***

**FUNDED AMOUNT AND
TASK CHARGE NUMBER:** \$***

SUBCONTRACT NO. *****

BETWEEN

MIDWEST RESEARCH INSTITUTE

NATIONAL RENEWABLE ENERGY LABORATORY DIVISION

AND

SCHEDULE

INTRODUCTION

THIS SUBCONTRACT is effective upon execution by the Midwest Research Institute, National Renewable Energy Laboratory Division and is between the Midwest Research Institute, acting through its National Renewable Energy Laboratory Division (hereinafter called "NREL") and ***** (hereinafter called "Subcontractor"), whose principal offices are located in *****.

Midwest Research Institute has entered into Contract No. DE-AC36-99GO10337 (hereinafter called "Prime Contract") with the Department of Energy (hereinafter called "DOE"), an agency of the U.S. Government (hereinafter called "Government"), for the operation and management of the National Renewable Energy Laboratory.

This subcontract is entered into in furtherance of the performance of the work provided for in the Prime Contract.

AGREEMENT

NOW, THEREFORE, the parties hereto agree to the following terms and conditions:

NOTICE OF ASSIGNMENT

The Alliance for Sustainable Energy, LLC, a limited liability company consisting of Midwest Research Institute and Battelle Memorial Institute, will assume management and operation of the National Renewable Energy Laboratory on October 1, 2008, under a succeeding Prime Contract No. DE-AC36-08GO28308 with the Department of Energy. Effective October 1, 2008 and without further written notice to [Subcontractor/Recipient/Vendor], Midwest Research Institute will assign this Agreement to the Alliance for Sustainable Energy, LLC.

ARTICLE 1 - THE WORK TO BE PERFORMED

- A. The Subcontractor shall perform the work as specified for each Work Order authorized and issued by NREL under this subcontract. The effort required by Work Orders authorized and issued by NREL under this subcontract may include, the type of work generally described in Appendix A, Statement of Work, entitled "Scientific and Business Information Technology Services and Support", attached hereto and made a part hereof, pursuant to the provisions of this subcontract.

- B. Specific deliverables, quantities, due dates, reporting requirements, and addresses will be specified in each Work Order authorized and issued by NREL under this subcontract.

ARTICLE 2 - THE PERIOD OF PERFORMANCE

- A. The period of performance under this subcontract shall be as follows:

Basic: Execution through twelve (12) months
 Option I: Month 13 through month 24 (if exercised)

Each of these periods may be extended by mutual written agreement of the parties. NREL will make a decision, based on its sole judgment, whether or not to continue and exercise the Option of this subcontract, prior to the completion date of the Basic period. If the Option is exercised by NREL, the total period of performance for the Basic Period and the Option will be Twenty-Four (24) months. If NREL should decide not to exercise the Option, the subcontract shall be considered complete upon completion of all Work Orders authorized and issued by NREL for the Basic period.

- B. The period of performance for each individual Work Order authorized and issued by NREL shall be specified in that Work Order. If the period of performance for an individual Work Order authorized and issued by NREL during the period specified in Paragraph A above extends beyond the completion date for this subcontract, then the terms and conditions of this subcontract shall continue in effect for that Work Order.

ARTICLE 3 - PAYMENTS AND CEILING AMOUNT

- A. The Subcontractor shall perform the work as defined in each Work Order on a labor hour basis. The subcontractor shall receive compensation as specified in each Work Order for all services and work performed, up to a ceiling amount of \$***.00 under this subcontract. Nothing in this subcontract shall be construed to state or imply any agreement by NREL to place future subcontracts or work orders with the subcontractor.

The total amount of all Work Orders issued under this subcontract shall not exceed the ceiling amount of \$***.00 for the Basic Period and Option I, if exercised. The total ceiling amount is broken out as follows:

Basic Period:	\$***.00
Option I:	<u>***.00</u>
Total:	\$***.00

The Subcontractor is authorized by NREL's execution of this subcontract to perform the basic period of this subcontract.

- B. Labor – Fully Burdened Hourly Rate Ranges

1. Work Order amounts shall be computed by multiplying the appropriate fully burdened hourly rate(s) proposed and accepted for each Work Order, by the number of direct labor hours performed. The hourly rates shall include wages, indirect costs, general and administrative expense, and profit. Fractional parts of an hour shall be payable on a prorated basis. Work Order invoices, in an original and one (1) copy, may be submitted

once each month (or at more frequent intervals, if approved by the Subcontract Administrator), to the address in Article 6 - Invoices. The Subcontractor shall substantiate invoices by evidence of actual payment and by individual daily job timecards, or other substantiation approved by the Subcontract Administrator. Promptly after receipt of each substantiated invoice, NREL shall, except as otherwise provided in this subcontract, and subject to the terms of Article 6 - Invoices, pay the invoice as approved by the Subcontract Administrator. Each Work Order and fully burdened hourly rates approved therein shall be in direct compliance with the personnel category and fully burdened hourly rate range specified for Basic Period and Option 1 as follows:

Basic Period

Range 1 (\$_____/hr. - \$_____/hr.)

- Skill Set ...
- Skill Set ...
- Skill Set ... etc.

Range 2 (\$_____/hr. - \$_____/hr.)

- Skill Set ...
- Skill Set ...
- Skill Set ... etc.

Range 3 (\$_____/hr. - \$_____/hr.)

- Skill Set ...
- Skill Set ...
- Skill Set ... etc.

Range 4 (\$_____/hr. - \$_____/hr.)

- Skill Set ...
- Skill Set ...
- Skill Set ... etc.

***Option I**

Range 1 (\$_____/hr. - \$_____/hr.)

- Skill Set ...
- Skill Set ...
- Skill Set ... etc.

Range 2 (\$_____/hr. - \$_____/hr.)

- Skill Set ...
- Skill Set ...
- Skill Set ... etc.

Range 3 (\$_____/hr. - \$_____/hr.)

- Skill Set ...
- Skill Set ...
- Skill Set ... etc.

Range 4 (\$_____/hr. - \$_____/hr.)

- Skill Set ...

- Skill Set ...
- Skill Set ... etc.

* Before exercising the Option, NREL will evaluate the current market for the information technology services and support industry. NREL reserves the right to renegotiate the placement of skill sets within the ranges and/or the hourly rate ranges accordingly.

2. After payment of 80 percent of the total ceiling amount, the Subcontract Administrator may withhold further payment of allowable time until a reserve is set aside in an amount that the Subcontract Administrator considers necessary to protect NREL's interest. This reserve shall not exceed one percent of the ceiling amount or \$10,000, whichever is less.
3. The hourly rate ranges set forth in this Article, or the fully burdened hourly rates approved for each Work Order, shall not be varied by virtue of the Subcontractor having performed work on an overtime basis, unless such overtime was specifically authorized in advance in writing by the Subcontract Administrator. If no overtime rates are provided in the Schedule and overtime work is approved in advance by the Subcontract Administrator, overtime rates shall be negotiated. Failure to agree upon these overtime rates shall be treated as a dispute under the Disputes clause of this subcontract. If the Schedule provides rates for overtime, the premium portion of those rates will be reimbursable only to the extent the overtime is approved by the Subcontract Administrator.

C. Expenses

Expenses shall be unallowable and unallocable to this labor hour subcontract.

D. Cost

It is estimated that the total cost to NREL for the performance of the Work Order(s) issued under this subcontract shall not exceed the ceiling amount set forth in this article and the Subcontractor agrees to use its best efforts to perform the work specified in the Schedule and all obligations under this subcontract within such ceiling amount. If at any time the Subcontractor has reason to believe that the hourly rate payments that will accrue in performing the Work Order(s) in the next succeeding 30 days, if added to all other payments and costs previously accrued, will exceed 85 percent of the ceiling amount in the schedule, the Subcontractor shall notify the Subcontract Administrator giving a revised estimate of the total ceiling amount to NREL for performing the Work Order(s) with supporting reasons and documentation. If at any time during performing the Work Order(s), the Subcontractor has reason to believe that the total ceiling amount to NREL for performing the Work Order(s) will be substantially greater or less than the then stated ceiling amount, the Subcontractor shall so notify the Subcontract Administrator, giving a revised estimate of the total ceiling amount for performing the Work Order(s), with supporting reasons and documentation. If at any time during performing the Work Order(s), NREL has reason to believe that the work to be required in performing the Work Order(s) will be substantially greater or less than the stated ceiling amount, the Subcontract Administrator will so advise the Subcontractor, giving the then revised estimate of the total amount of effort to be required under the Work Order(s).

E. Ceiling Amount

NREL shall not be obligated to pay the Subcontractor any amount in excess of the ceiling amount set forth in this article, and the Subcontractor shall not be obligated to continue performance if to do so would exceed the ceiling amount set forth in this article, unless and until the Subcontract Administrator shall have notified the Subcontractor in writing that the ceiling amount has been increased and shall have specified in the notice a revised ceiling that shall constitute the ceiling amount for performance under the Work Order(s). When and to the extent that the ceiling amount set forth in this article has been increased, any hours expended by the Subcontractor in excess of the ceiling amount before the increase shall be allowable to the same extent as if the hours expended had been incurred after the increase in the ceiling amount.

F. Audit

At any time before final payment under this subcontract the Subcontract Administrator may request audit of the invoices. Each payment previously made shall be subject to reduction to the extent of amounts, on preceding invoices, that are found by the Subcontract Administrator not to have been properly payable and shall also be subject to reduction for overpayments or to increase for underpayments. Upon receipt and approval of the invoice designated by the Subcontractor as the "completion invoice" and substantiating documentation, and upon compliance by the Subcontractor with all terms of this subcontract (including, without limitation, terms relating to release of claims, terms relating to patent clearance, and the terms of Article 6 - Invoices), NREL shall promptly pay any balance due the Subcontractor. The completion invoice and substantiating documentation, shall be submitted by the Subcontractor as promptly as practicable following completion of the work under this subcontract, but in no event later than one (1) year (or such longer period as the Subcontract Administrator may approve in writing) from the date of completion.

ARTICLE 4 - OBLIGATION OF FUNDS AND FINANCIAL LIMITATIONS

- A. Pursuant to the clause entitled "Limitation of Funds" in Appendix B, the amount of \$** has been allotted and is available for payment of allocable and allowable costs under this subcontract.
- B. The amount of \$**, presently obligated by NREL with respect to this subcontract, may be unilaterally increased by NREL by written notice to the Subcontractor, and may be increased or decreased by written agreement of the parties by formal modification of this subcontract.
- C. The giving of any notice by either party under this article, the article entitled "The Period of Performance" in this Schedule, or the clauses entitled "Limitation of Funds" and "Limitation of Cost" in Appendix B, as applicable, shall not be construed to waive or impair any rights of NREL to terminate this subcontract under the provisions of the termination clause(s) contained in Appendix B.

ARTICLE 5 - LIMITATION OF FUNDS AND LIMITATION OF COST

The Limitations of Funds clause contained in Appendix B shall be operable during such time that NREL incrementally allots additional funds to this subcontract as set forth in Article 3 - Payments and Ceiling Amount. (The Limitations of Cost clause shall be inoperable during such time.)

The Limitations of Cost clause contained in Appendix B shall become operable at such time that NREL allots to this subcontract an amount equal to the total estimated NREL cost set forth in Article 3 -Payments and Ceiling Amount. (The Limitations of Funds clause shall be inoperable at such time.)

ARTICLE 6 - INVOICES

A. Invoices

1. Invoices for work accomplished under each Work Order, authorized and issued by NREL, shall be submitted in an original and one copy to:

National Renewable Energy Laboratory
Attn: **, MS **
1617 Cole Boulevard
Golden, CO 80401-3393

2. To facilitate processing and payment each invoice must contain the following information 1) date of invoice; 2) specific Work Order number and subcontract number, which appear on the cover sheet of each document; 3) level of effort (personnel categories and fully burdened rates for each as well as number of hours for each category) expended; 4) total amount of invoice; and 5) any other information or documentation required by other provisions of this subcontract. Payments under this subcontract shall be made in accordance with this article and the payment terms. Payments will be made to the Subcontractor's remittance name and address shown on the cover sheet of this subcontract. The NREL Subcontract Administrator may determine that a condition precedent to final payment under this subcontract requires the receipt of a final executed Release of Claims from the subcontractor and the receipt of any required patent clearance from DOE.
3. The payment terms of this subcontract shall mean net days from the date of receipt of an acceptable invoice or the date of receipt and acceptance of all deliverables, reporting requirements or closeout documentation for the period covered by the invoice, whichever is later.
4. An authorized representative of the Subcontractor shall sign the following certification on each invoice submitted for payment:

"I certify that this invoice is correct and proper for payment, and reimbursement for this time has not and will not be received under any other Government contract or subcontract or other source of Government funds.

Authorized Official

Date"

5. The Subcontractor is hereby notified that NREL may withhold payment on invoices submitted, if the Subcontractor has failed to comply with or is delinquent in the submission of the reporting or deliverable requirements under each Work Order authorized and issued by NREL, until such time as the Subcontractor has complied or submitted such reporting or deliverable requirements.

B. Release of Claims

The Subcontractor shall execute and deliver at the completion of this subcontract, a release of claims discharging the Government and NREL, their officers, agents, and employees of and from all liabilities, obligations, and claims arising out of or under this subcontract, subject only to the following exceptions:

1. Specified claims in stated amounts, or in estimated amounts if the amounts are not susceptible of exact statement by the Subcontractor.
2. Claims based upon the liabilities of the Subcontractor to third parties arising out of performing this subcontract, that are not known to the Subcontractor on the date of the execution of the release, and of which the Subcontractor gives notice in writing to the Subcontract Administrator not more than 6 years after the date of the release or the date of any notice to the Subcontractor that NREL is prepared to make final payment, whichever is earlier.
3. Claims for reimbursement of costs (other than expenses of the Subcontractor by reason of its indemnification of NREL against patent liability), including reasonable incidental expenses, incurred by the Subcontractor under the terms of this subcontract relating to patents.

C. Refunds

The Subcontractor agrees that any refunds, rebates, or credits (including any related interest) accruing to or received by the Subcontractor (or any successor in interest to this subcontract), that arise under the materials portion of this subcontract and for which the Subcontractor has received reimbursement, shall be paid by the Subcontractor to NREL. The Subcontractor (or any successor in interest to this subcontract), shall execute and deliver, at the time of and as a condition precedent to final payment under this subcontract, an assignment to NREL of such refunds, rebates, or credits (including any interest) in form and substance satisfactory to the Subcontract Administrator.

ARTICLE 7 - WORK ORDER PROCESS

The process for issuing Work Orders under this Subcontract shall be as follows:

- A. The Technical Monitor will issue a copy of the required Work Order, in the format specified in Appendix A, Statement of Work, to the Subcontractor for review. Each Work Order may be a competitive request.
- B. The Subcontractor shall analyze the work description and other requirements of the Work Order requirement. The subcontractor shall then prepare and submit a Work Order proposal, which includes the following:

Skill Set and Name of Individual	Range #	Fully Burdened Hourly Rate	# of Hours	Total Amount
		\$		\$
		\$		\$
		\$		\$
		\$		\$
		\$		\$
TOTAL PROPOSED CEILING AMOUNT:				\$

C. The Work Order proposal shall also include the following:

1. The availability of the proposed personnel (the date that the individual could start work under the proposed Work Order, if selected).
2. Any background information known prior to the formal background check being completed in accordance with Subcontract Article 13 below, that could adversely impact the decision to select the individual.
3. Acceptance of the proposed Work Order.
4. Certification that the requirements under the proposed Work Order will be met, if selected.

The Subcontractor shall also submit the resume* of each individual proposed to perform the Work Order requirement.

* Resumes shall not include the individual's Social Security Number.

D. The Technical Monitor shall review the Work Order proposal, verifying that the fully burdened rates proposed are within the price ranges for each personnel category as specified in Article 3 of this subcontract.

E. When a proposal and personnel are selected, the Technical Monitor will issue a formal Work Order via facsimile to the Subcontractor, which shall include the following:

1. A detailed description of the work to be performed;
2. The Period of Performance; and
3. The ceiling amount, based on the accepted fully burdened hourly rates and number of hours.

F. The Subcontractor shall commence work upon receipt of the formal Work Order.

G. If necessary, the Technical Monitor will issue a revised Work Order to reflect changes to the description of work, deliverables and due dates, or the ceiling amount. Revised Work Orders will be submitted to the Subcontractor via facsimile (fax).

- H. The Technical Monitor will also promptly submit one copy of each Work Order or revised Work Order issued to:

National Renewable Energy Laboratory
Attn: **, MS **
1617 Cole Boulevard
Golden, CO 80401-3393

- I. Notwithstanding any provision herein to the contrary, nothing in this subcontract shall prevent NREL from soliciting competitive proposals to perform work within the scope of work described in Appendix A, Statement of Work.

ARTICLE 8 - APPLICABLE DOCUMENTATION

In addition to the terms and conditions contained in this Schedule, the following documents are attached hereto and made a part of this subcontract:

- A. Appendix A, entitled "Statement of Work" dated 08/22/08;
- B. Work Order(s) authorized and issued by NREL under this subcontract;
- C. Appendix B-6, entitled "Standard Terms and Conditions" dated 10/01/03;
- D. Attachment 1, entitled "Addendum to Appendix B-6 Standard Terms and Conditions" dated 10/01/07;
- E. Appendix C-3, entitled "Intellectual Property Provisions" dated 10/22/98;
- F. Appendix D-1, entitled "Clauses for Subcontracts in Excess of \$500,000" dated 11/01/03;
- G. Appendix F, entitled "Small Business (Lower-Tier) Subcontracting Plan" dated *** and
- H. Subcontractor's technical proposal number (***) dated *** and any Work Order proposals, together with any revisions, is hereby incorporated by reference. In the event there is a conflict between the Subcontractor's technical proposal, and the Work Order proposal, and any other provisions of this subcontract, the latter shall prevail.

ARTICLE 9 - ORDER OF PRECEDENCE

Any inconsistency in this subcontract shall be resolved by giving precedence in the following order:

- A. This Schedule;
- B. Statement of Work (Appendix A);
- C. Work Order(s) authorized and issued by NREL under this Subcontract;
- D. Standard Terms and Conditions (Appendix B-6);
- E. Addendum to Appendix B-6, Standard Terms and Conditions (Attachment 1);

- F. Intellectual Property Provisions (Appendix C-3);
- G. Clauses for Subcontracts in Excess of \$500,000 (Appendix D-1);
- H. Small Business (Lower-Tier) Subcontracting Plan (Appendix F);
- I. Other provisions of this subcontract whether incorporated by reference or otherwise; and
- J. The Subcontractor's technical proposal and Work Order proposals, if incorporated in this subcontract by reference or otherwise.

ARTICLE 10 - RIGHTS TO PROPOSAL DATA

Except for technical data contained on pages (***) of the subcontractor's proposal dated *** which are asserted by the Subcontractor as being proprietary data, it is agreed that, as a condition of the award of this subcontract, and notwithstanding the provisions of any notice appearing on the proposal, the Government and NREL shall have the right to use, duplicate, disclose and have others do so for any purpose whatsoever, the technical data contained in the proposal upon which this subcontract is based.

ARTICLE 11 - SUBCONTRACT ADMINISTRATION RESPONSIBILITIES

- A. Signature Authority: This subcontract may only be modified by a formal modification signed by an authorized official of NREL.
- B. Subcontract Administration Responsibilities: The authorized official of NREL has designated ***, as the Subcontract Administrator for this subcontract with the responsibilities for subcontract administration and negotiation of any modifications to this subcontract. The Subcontract Administrator's telephone number is 303-***.
- C. Technical Monitoring Responsibilities: The authorized official of NREL has designated **, as the Technical Monitor for this subcontract with the responsibilities of issuing individual Work Orders and monitoring the technical work or services to be performed under this subcontract. The Technical Monitor does not have the authority to make any commitments or authorize any changes that may affect the subcontract's cost, scope of work, terms, or conditions. Any such changes shall be referred to the Subcontract Administrator designated in Paragraph B above. The Technical Monitor's telephone number is 303-**.

ARTICLE 12 - KEY PERSONNEL

- A. It having been determined that the individuals, whose names appear below, are necessary for the successful performance of this subcontract, the Subcontractor agrees to assign or have assigned such individuals to the performance of the work under this subcontract and shall not reassign or remove any of them without the consent of the Subcontract Administrator by modification to this subcontract:

<u>Name</u>	<u>Project Title</u>	<u>Telephone No.</u>
*****	*****	*****

- B. Whenever, for any reason, one or more of the designated key personnel designated above, is unavailable for assignment for work under this subcontract, the Subcontractor shall, with the approval of the Subcontract Administrator, replace such individual with an individual of substantially equal abilities and qualifications.

ARTICLE 13 – SUBCONTRACTOR EMPLOYEE’S REFERENCE CHECKS, CRIMINAL BACKGROUND CHECKS, DRUG TESTING, AND CONFIDENTIALITY, PATENT, AND REGISTRATION (SPECIAL - WORK ORDER) (AUG 2008)

- A. Upon identification of an individual to perform work under this Subcontract, the Subcontractor shall perform a reference and background investigative report(s) on such individual prior to assigning the individual to the Work Order. At a minimum, the reference and background check shall include each of the following:
1. Criminal background check for the past seven years in Colorado state criminal system.
 2. Criminal background check for the past seven years in other state criminal systems, as needed.
 3. Criminal background check for the past seven years in Federal criminal system.
 4. Drug Testing (Basic 10 Panel Screen).
 5. Department of Motor Vehicle Report (as applicable – See Article 5, Work Order Process).
 6. Professional Certification and License verification.
 7. Educational Credentials verification.
 8. Social Security Track.
 9. Employment Verification.
 10. Reference confirmation.
- B. The Subcontractor shall conduct a thorough review of the reference and background investigative report(s) and shall notify the NREL Technical Monitor or Subcontract Administrator of any findings that could adversely affect the Subcontractor’s personnel’s assignment to a Work Order.
- C. As deemed necessary, the NREL Technical Monitor or Subcontract Administrator may request to review a Subcontractor’s personnel’s reference and background investigative report(s). Prior to the release of the reference and background investigative report(s) to the NREL Technical Monitor or Subcontract Administrator, the Subcontractor shall obtain a signed release and consent from the Subcontractor’s personnel.
- D. The Subcontractor shall ensure that the Subcontractor’s personnel assigned to work under a Work Order shall:
1. Satisfy all NREL access security requirements. (Please note that personnel who are not U.S. Citizens will require additional access requirements and processing time. Refer to Appendix B-6, Standard Terms and Conditions, Clause 3, Paragraph C.)
 2. Satisfactorily complete all required NREL Safety Orientation and Safety Training.
 3. Complete and sign NREL’s “Agency Personnel Confidentiality, Patent and Registration Form”.
- E. In the event that the Subcontractor fails to satisfy or complete the requirements set forth in this Article, NREL reserves the right to cancel any Work Order or request the immediate removal of the Subcontractor’s personnel from assignment to a Work Order by written notice to the Subcontractor (via facsimile, email, or letter mailed or otherwise delivered).

**ARTICLE 14 – PERSONAL PROPERTY MANAGEMENT AND CONTROL (SPECIAL - IT)
(AUG 2008)**

A. Except for the categories of NREL Furnished Government Property listed in Paragraph (B) (1) below and subsequently specified on an individual Work Order, the estimated cost or price set forth in Article 3 includes funds set aside specifically for the acquisition of the personal property shown below and such funds may not be used for any other purpose. NREL shall not be obligated to reimburse the Subcontractor for personal property acquisition costs or prices that are in excess of the total amount specified in this Article.

B. Identification of and title to Government Property

1. NREL Furnished Government Property. The following categories of Government Property that may be furnished to the Subcontractor by NREL in support of subcontract performance. The Government shall retain title in all NREL Furnished Government Property.

In the event that Government Property is furnished by NREL to Subcontractor's personnel for use during performance under an individual Work Order, each such Work Order shall specify the nomenclature, manufacturer, model number, DOE tag number, and value of the Government Property.

The Subcontractor's personnel shall complete and sign an NREL Property Pass which will be provided by the NREL Project Leader for the Work Order.

Item	<u>NREL Furnished Government Property</u> [e.g., nomenclature, manufacturer, model #,]	Category	Controlled? [Yes or No]	\$ Amount
1.	Laptop Computer	Sensitive	Yes	\$ Amount to be specified under each individual Work Order
2.	Mobile Smartphone	Sensitive	Yes	
3.	Pager	Sensitive	Yes	

2. Subcontractor Acquired or Fabricated Government Property. The following Government Property shall be acquired or fabricated by the Subcontractor's expenditure of NREL cost reimbursement (includes NREL cost share) or NREL price payment (includes NREL price participation) in support of subcontract performance.

a. Title to Subcontractor Acquired Government Property shall pass to and vest in the Government upon delivery of such acquired property.

b. Title to Subcontractor Fabricated Government Property shall pass to and vest in the Government upon the first occurrence of any of the following: (i) issuance of material for use in subcontract performance; (ii) commencement of processing or use of material in subcontract performance; or (iii) reimbursement of the cost or price of the material by NREL to the Subcontractor

Item	<u>Subcontractor Acquired or Fabricated Government Property</u> [e.g., nomenclature, manufacturer, model #,]	Category	Controlled? [Yes or No]	Estimated \$ Amount
#.	N/A			\$0.00

C. Identification of and title to Subcontractor's Personal Property.

1. Government Property with title vesting in Subcontractor. If explicitly listed below, title to Subcontractor Acquired or Fabricated Government Property shall pass to and vest in the Subcontractor in its capacity either as a (i) Nonprofit Educational Institution or (ii) Nonprofit Organization with a primary purpose to conduct scientific research.

Item	<u>Government Property with title vested in the Subcontractor</u> [e.g., nomenclature, manufacturer, model #,]	\$ Amount
#.	N/A	\$0.00

2. Subcontractor Furnished Personal Property. The following personal property shall be furnished by the Subcontractor at the Subcontractor's private expense through Subcontractor cost share or Subcontractor price participation in support of subcontract performance. The Subcontractor shall retain title in all Subcontractor Furnished Personal Property.

Item	<u>Subcontractor Furnished Personal Property with title retained.</u> [e.g., nomenclature, manufacturer, model #,]	Estimated \$ Amount
#.	N/A	\$0.00

3. Conditions placed on Subcontractor's use of Personal Property. Vesting title to Subcontractor Acquired or Fabricated Government Property in an Educational Institution or Nonprofit Organization with a primary purpose to conduct scientific research (C.1. above) or title retained by a Subcontractor in Subcontractor Furnished Property (C.2. above) shall be subject to the conditions below.

- a. The Subcontractor shall not charge depreciation, amortization, or use charges for the Subcontractor's personal property listed in this Article to any other Federal Government contract, subcontract, cooperative agreement, or grant, either contemporaneously with this subcontract performance or in the future.
- b. The Subcontractor's personal property identified in this Article shall be used for the benefit of research and development under this subcontract and any extension hereto.

D. Advance Notice Requirements.

Advance notification by the Subcontractor and formal written modification approval by the NREL Subcontract Administrator pursuant to the terms of the "Lower-tier Subcontracts" clause of Appendix B *is required* prior to the actual purchase of any personal property not listed in this Article.

The actual purchase of personal property listed in this Article has been approved as part of the award of this subcontract.

E. Invoice Requirements.

The Subcontractor shall identify and submit supporting documentation in accordance with the article entitled "Invoices" for all Subcontractor Acquired or Fabricated Government Property and

Subcontractor Furnished Personal Property under this subcontract, regardless of title, ownership, possession, or control by the Subcontractor. The Subcontractor shall include, as applicable, the item nomenclature, manufacturer, model number, serial number, cost or price, applicable shipping and installation charges, and the purchase or fabrication date.

F. Property Management System Requirements.

The Subcontractor shall **submit** to the NREL Subcontract Administrator a written description of its approved Property Management System if the total amount of the NREL Furnished Government Property and Subcontractor Acquired or Fabricated Government Property listed in this Article is \$500,000.00 or more. Additionally, when the amount totals \$500,000.00 or more, the Subcontractor shall **maintain** an approved Property Management System for the accounting, control, protection, preservation, maintenance, use, and disposition of all property in its possession/control as listed in this Article.

The Subcontractor's Property Management System shall be subject to audit by the Government or NREL. The subcontractor's property records and the premises where any Government Property is located shall be accessible during reasonable business hours to the Government and NREL during the subcontract period of performance and such amount of time thereafter necessary to fulfill all NREL-directed closeout requirements following subcontract termination or completion.

The Subcontractor shall treat all Government Property in its possession and control in accordance with the "Government Property" clause of Appendix B and other requirements as contained in this subcontract.

G. Accountability Requirements.

During the subcontract period of performance and such amount of time thereafter necessary to fulfill all NREL-directed closeout requirements following subcontract termination or completion, the Subcontractor shall be *accountable* for all personal property in support of subcontract performance, regardless of ownership, title, possession, or control by the Subcontractor. For purposes of this Subcontract, "*accountable*" means the Subcontractor shall have adequate procedures for the accounting, control, protection, preservation, maintenance, use, and disposition of the personal property listed in this Article and such procedures shall be sufficient to identify, inventory, report, and certify the existence, location, and condition of the property listed in this Article.

H. Control of Government Property.

For purposes of this Subcontract, "*control*" means the Subcontractor shall affix a property identification NREL/DOE tag number to Government Property in accordance with the categories of controlled Government Property listed in this Paragraph and shall maintain such NREL/DOE tag number for the identification and recording of such Government Property.

1. Categories of Controlled Government Property. For purposes of determining whether the Subcontractor shall be responsible to *control* by affixing a property identification NREL/DOE tag number to Government Property under this Subcontract, the following categories of personal property shall be used:

- a. **“Equipment property”**— Accountable controllable property with an acquisition cost of \$5,000, or greater.
 - b. **“Experimental property”**— Property that is usually a fabricated item in a conceptual design stage or is a prototype or first-of-a-kind item, and is controllable as Equipment property with a value of \$5,000 or greater; or, as Sensitive property with a value of \$300.00 or greater.
 - c. **“Sensitive property”**— Accountable controllable property that is susceptible to being appropriated for personal use or that can be readily converted to cash. The acquisition cost for this property is \$300.00 per unit or greater and includes such items as cameras, communications equipment, computer equipment, etc.
2. Categories of Property NOT controlled. There is **no** requirement to affix a property identification DOE/NREL tag number to the property in the following categories and values of Government Property.
- a. **“Equipment property”** with a value of \$4,999 or less.
 - b. **“Experimental property”** that is Equipment property with a value of \$4,999 or less; or that is Sensitive property with a value of \$299 or less.
 - c. **“Sensitive property”** with a value of \$299 or less.
 - d. **“Software”** of any value.
 - e. **“Expendable property”** that are materials, which by their nature, are consumed during the course of the subcontract effort, regardless of value.
- I. Inventory, Reporting, and Certification Requirements for ALL subcontracts.

Annually on the anniversary date of execution of this subcontract during performance of this subcontract, the Subcontractor shall provide to the NREL Subcontract Administrator a total acquisition cost or price for Government Property in its possession and control and listed in this Article.

No later than September 30 of each even-numbered year during the performance of this subcontract, the Subcontractor shall conduct a physical inventory and shall submit to the NREL Subcontract Administrator a certified inventory and report on the existence, location, and condition of all Government Property in its possession and control and listed in this Article. An authorized official of the Subcontractor shall certify that such Government Property inventory is complete, current, and accurate.

Immediately upon the termination or completion of subcontract performance, the Subcontractor shall submit to the NREL Subcontract Administrator a certified inventory and report on the existence, location, and condition of all Government Property in its possession and control as listed in this Article. An authorized official of the Subcontractor shall certify that such Government Property closeout inventory is complete, current, and accurate.

In addition to the inventories and reporting of Government Property required in this Article, the Subcontractor shall conduct physical inventories requested by NREL and the Government and shall comply with all reporting requirements requested by NREL or the Government.

J. Additional Inventory, Reporting, and Certification Requirements for COST TYPE subcontracts.

In addition to the requirements in Paragraph I above, if this is a cost-type subcontract, the Subcontractor shall submit to the NREL Subcontract Administrator within six months of execution of this subcontract a certified baseline inventory and report on the existence, location, and condition of all Government Property in its possession or control and listed in this Article. An authorized official of the Subcontractor shall certify that such Government Property baseline inventory is complete, current, and accurate.

K. Requirement to report shortage, loss, damage, or destruction of Government Property.

The Subcontractor shall report promptly to the NREL Subcontract Administrator any shortage, loss (including theft), damage, or destruction of Government Property in its possession or control and listed in this Article together with all the facts and circumstances of the shortage, loss, damage, or destruction. The Subcontractor shall cooperate with NREL representatives to complete missing or damaged Government Property reports.

L. Protection of Government's Interest in Government Property.

With respect to Government Property in the possession or control of the Subcontractor and listed in this Article, the failure to perform the requirements of this Article shall constitute a breach of this Subcontract, unless such failure to perform is beyond the control of the Subcontractor or any lower-tier Subcontractor and without the fault or negligence of either.

NREL shall notify the Subcontractor in writing of such failure to perform and the Subcontractor shall cure within ten (10) days after receipt of the notice from the NREL Subcontract Administrator specifying the failure. The NREL Subcontract Administrator may authorize in writing a longer period of time allotted for the Subcontractor to cure the failure to perform.

In the event the Subcontractor fails to cure within the allotted time, NREL reserves the right to acquire, under the terms and in the manner the NREL Subcontract Administrator considers appropriate, the physical inventory and report required under this Article for the existence, location, and condition of the Government Property in the possession or control of the Subcontractor and listed in this Article. Further, NREL reserves the right to accomplish the disposition of such Government Property under the terms and in the manner the NREL Subcontract Administrator considers appropriate.

The Subcontractor shall be liable to NREL for any excess costs incurred to acquire the physical inventory and report required under this Article for the existence, location, and condition of the Government Property in the possession or control of the Subcontractor and listed in this Article. Further, the Subcontractor shall be liable to NREL for any excess costs incurred to accomplish the disposition of such Government Property. The rights and remedies of NREL/Government in this Article are in addition to any other rights and remedies provided by law or under this subcontract.

The NREL Subcontract Administrator may withhold all or any portion of payment of the price or allowable cost due to the Subcontractor under this subcontract until a reserve is set aside in an

amount that the NREL Subcontract Administrator determines necessary to cover excess costs incurred to acquire the physical inventory and report and to accomplish the disposition of Government Property required under this Article. Notwithstanding any other terms or conditions contained in this schedule and Appendix B of this subcontract, NREL shall be entitled to setoff any amount that NREL owes or may owe in the future to the Subcontractor (under this subcontract and any and all other collateral transactions between the Subcontractor and NREL) against any excess costs incurred to acquire the physical inventory and report and to accomplish the disposition of Government Property required under this Article.

ARTICLE 15 – PUBLICITY RELEASE AND PUBLIC AFFAIRS

- A. Publicity release of any nature in connection with this subcontract shall be coordinated as provided in the “Public Affairs” clause of Appendix B. The Subcontractor shall not make without prior review and approval of the NREL Subcontract Administrator, any publicity release of any nature of general, non-technical information in connection with this subcontract. For purposes of this subcontract, general, non-technical information means any information concerning the existence of the subcontract, the identity of the parties, and the scope and general character of the research or technical activity. The Subcontractor may report specifics regarding the formation and execution of this subcontract in its internal publications without prior review and approval of the NREL Subcontract Administrator.
- B. Data rights are set forth in Appendix C hereof.

The following paragraph is applicable only to large businesses:

- B. Data rights are set forth in Appendix C hereof. The Subcontractor should particularly note that all papers and documents that are required for submittal and distribution for patent clearance under this subcontract should first be submitted to the Department of Energy, Intellectual Property Law Division, Chicago Operations Office, 9800 South Cass Avenue, Argonne, Illinois 60439 prior to distribution to the public. This requirement of patent clearance prior to publication of all Subcontractor’s reports is specifically required and set forth in Appendix C hereof.

ARTICLE 16 – SMALL BUSINESS (LOWER-TIER) SUBCONTRACTING PLAN [If Applicable]

The Subcontractor’s Small Business (Lower-tier) Subcontracting Plan dated **/**/** is incorporated as Appendix F in this subcontract. The Subcontractor shall electronically submit the “Individual Subcontract Report” (ISR) semi-annually during subcontract performance for the periods ended March 31st and September 30th, based on the Government’s fiscal year (October 1 through September 30). The ISR is due on or before the twenty-fifth (25th) day of the month following the close of the applicable period. The Subcontractor shall also electronically submit the “Summary Subcontract Report” (SSR) annually for the twelve months ended September 30th, at the close of each Government fiscal year. The ISR and SSR submissions shall be made electronically through the Electronic Subcontracting Reporting System (eSRS) at www.esrs.gov. Additional instructions can be found at http://www.nrel.gov/business_opportunities/related_docs.html, under the document entitled “Instructions for Submitting Small Business Subcontracting Reports Through the Electronic Subcontracting Reporting System (eSRS)”.

ARTICLE 17 - WORKER SAFETY AND HEALTH REQUIREMENTS (SPECIAL) (AUG 2008)
(Applies to all NREL Construction subcontracts. Applies when these requirements are incorporated in non-construction subcontract and purchase order terms and conditions when the work is to be performed on NREL-operated facilities, including DOE-owned or -leased property.)

- A. **THE SUBCONTRACTOR SHALL BE RESPONSIBLE TO ENSURE THAT ALL WORK PERFORMED UNDER THIS SUBCONTRACT OR PURCHASE ORDER (INCLUSIVE OF LOWER-TIER SUBCONTRACTORS) IS PERFORMED IN ACCORDANCE WITH THE DEPARTMENT OF ENERGY'S "WORKER SAFETY AND HEALTH" RULE CODIFIED AT 10 CFR 851. THE SUBCONTRACTOR SHALL ENSURE THAT ALL WORK IS PERFORMED IN ACCORDANCE WITH NREL'S DOE-APPROVED SAFETY MANAGEMENT SYSTEM. THE SUBCONTRACTOR IS SUBJECT TO ALL APPLICABLE PROCEDURES FOR INVESTIGATING VIOLATIONS, ENFORCING COMPLIANCE WITH REQUIREMENTS, AND ASSESSING CIVIL PENALTIES OR FEE REDUCTIONS FOR VIOLATIONS UNDER THE DOE'S "WORKER SAFETY AND HEALTH" RULE. WHEN THESE "WORKER SAFETY AND HEALTH REQUIREMENTS" ARE MADE APPLICABLE TO THE WORK TO BE PERFORMED UNDER AN NREL SUBCONTRACT OR PURCHASE ORDER, THE SUBCONTRACTOR SHALL ALSO COMPLY WITH THE CLAUSE "INTEGRATION OF ENVIRONMENT, SAFETY, AND HEALTH INTO WORK PLANNING AND EXECUTION" (DEAR 970.5223-1). SUCH CLAUSE (DEAR 970.5223-1) IS INCLUDED IN NREL SUBCONTRACT APPENDIX B TERMS AND CONDITIONS AND INCORPORATED BY REFERENCE IN NREL PURCHASE ORDERS.**
- B. The Subcontractor shall have a structured approach to worker safety and health requirements that at a minimum include provisions for any of the following functional areas applicable to the work to be performed: (a) construction safety; (b) fire protection; (c) firearms safety; (d) explosives safety; (e) pressure safety; (f) electrical safety; (g) industrial hygiene; (h) occupational medicine; (i) biological safety; and (j) motor vehicle safety.
- C. The Subcontractor shall be responsible for full compliance (inclusive of its lower-tier subcontractors) with all applicable worker safety and health standards of DOE and NREL to provide subcontract work that is free from recognized hazards that are causing or have the potential to cause death or serious physical harm to workers. The Subcontractor shall comply with all Safety and Health Standards applicable to the hazards of the work to be performed, including but not limited to: (a) 29 CFR 1904 Recording and Reporting Occupational Injuries and Illnesses; (b) 29 CFR 1910 Occupational Safety and Health Standards and ACGIH Threshold Limit Values for Chemical Substances and Physical Agents and Biological Exposure Indices; (c) 29 CFR 1926 Safety and Health Regulations for Construction; (d) ANSI Z88.2 Respiratory Protection; (e) ANSI Z136.1 Safe Use of Lasers; (f) ANSI Z49.1 Welding, Cutting, and Allied Processes; (g) NFPA 70 National Electrical Code; and (h) NFPA 70E Standard for Electrical Safety in the Workplace. Nothing in this Paragraph (C) shall be construed as relieving the Subcontractor from complying with any additional specific safety and health requirements necessary to protect the safety and health of workers.
- D. In conforming to the worker safety and health requirements identified the Subcontractor shall provide at least worker safety and health supervision in the following areas : (a) management responsibilities; (b) worker rights and responsibilities; (c) hazard identification and assessment; (d) hazard prevention and abatement; (e) training and information; and (f) recordkeeping and reporting.
- E. NREL may inspect the Subcontractor's operation as work proceeds, from time to time, for compliance with worker safety and health requirements contained in this subcontract or purchase order. The NREL Subcontract Administrator shall direct the Subcontractor to make the necessary

corrections commensurate with deficiencies found. The Subcontractor shall make these corrections at no additional expense to NREL. The Subcontractor shall participate in NREL's fact-finding investigations of accidents, injuries, occurrences, and near-misses. The Subcontractor shall participate in fact-finding investigations at no additional expense to NREL. The Subcontractor shall remove from the work site any employee that NREL identifies in writing as unsafe, incompetent, careless, or otherwise objectionable. The Subcontractor shall replace the removed employee at no additional expense to NREL. Any NREL representatives, NREL subcontractors, or DOE representatives, including but not limited to the NREL Technical or Project Manager, the DOE Federal Project Director, the NREL Subcontract Administrator and NREL and DOE ESH&Q representatives have authority to stop work if unsafe conditions exist. The Subcontractor shall not be entitled to an extension of time or additional fee or damages by reason of or in connection with any unsafe conditions work stoppage. The Subcontractor's violation, refusal, or failure to abate violations, or applicable deficiencies may be justification for subcontract or purchase order termination in accordance with the termination or default clauses of the subcontract or purchase order terms and conditions.

- F. The Subcontractor shall complete and post the Form DOE-F-5480.4 at the work site. The Subcontractor shall make available Form DOE-F-5480.4, "[Sub]Contractor Employee Occupational Safety or Health Complaint" to its employees. The Subcontractor shall maintain specific records and submit the information covering experience of both its direct employees and that of its lower-tier subcontractors: The Subcontractor shall immediately provide to the NREL Technical or Project Manager and the NREL Subcontract Administrator notification of any injury or property damage incident and provide sufficient information necessary for NREL to complete DOE-F-5484.3 "The Individual Accident/Incident Report." Such information shall be submitted, as appropriate, for any period of time prior to final payment and closeout of this subcontract.

ARTICLE 18 - ALTERATIONS TO TERMS AND CONDITIONS

Appendix B-6 is hereby modified by adding the following clause thereto:

"ORGANIZATIONAL CONFLICTS OF INTEREST (SPECIAL) (MAY 2004)
(Derived from DEAR 952.209-72 - JUNE 1997)

A. Purpose

The purpose of this clause is to ensure that the Subcontractor: (1) is not biased because of its financial, contractual, organizational, or other interests that relate to the work under this subcontract and (2) does not obtain any unfair competitive advantage over other parties by virtue of its performance of this subcontract.

B. Scope

The restrictions described herein shall apply to performance or participation by the Subcontractor and any of its affiliates or their successors in interest (hereinafter collectively referred to as "Subcontractor") in the activities covered by this clause as a prime contractor, subcontractor, cosponsor, joint venturer, consultant, or in any similar capacity. For the purpose of this clause, affiliation occurs when a business concern is controlled by or has the power to control another or when a third party has the power to control both.

1. Use of Subcontractor's Work Product

- (i) The Subcontractor shall be ineligible to participate in any capacity in NREL or DOE contracts, subcontracts, or proposals therefore (solicited and unsolicited) that stem directly from the Subcontractor's work product under this subcontract for a period of five years after the completion of this subcontract. Furthermore, unless so directed in writing by the NREL Subcontract Administrator, the Subcontractor shall not perform any advisory and assistance services work under this subcontract on any of the Subcontractor's products or services or the products or services of another firm, if the Subcontractor is or has been substantially involved in the development or marketing of the firm's products or services. Nothing in this subparagraph shall preclude the Subcontractor from competing for follow-on subcontracts for advisory and assistance services.
- (ii) If, under this subcontract, the Subcontractor prepares a complete or essentially complete statement of work or specifications to be used in competitive acquisitions, the Subcontractor shall be ineligible to perform or participate in any capacity in any contractual effort that is based on such statement of work or specifications. The Subcontractor shall not incorporate its products or services in such statement of work or specifications unless so directed in writing by the NREL Subcontract Administrator, in which case the restriction in this subparagraph shall not apply.
- (iii) Nothing in this paragraph shall preclude the Subcontractor from offering or selling its standard and commercial items to NREL or the Government.

2. Access to and use of information

- (i) If the Subcontractor, in the performance of this subcontract, obtains access to information, such as NREL or DOE plans, policies, reports, studies, financial plans, internal data protected by the Privacy Act of 1974 (5 U.S.C. 552a), or data that has not been released or otherwise made available to the public, the Subcontractor agrees that without prior written approval of the NREL Subcontract Administrator it shall not:
 - a. Use such information for any private purpose unless the information has been released or otherwise made available to the public;
 - b. Compete for work for NREL or the Government based on such information for a period of six (6) months after either the completion of this subcontract or until such information is released or otherwise made available to the public, whichever is first;
 - c. Submit an unsolicited proposal to NREL or the Government that is based on such information until one year after such information is released or otherwise made available to the public; and
 - d. Release such information unless such information has previously been released or otherwise made available to the public by NREL or the Government.

- (ii) In addition, the Subcontractor agrees that to the extent it receives or is given access to proprietary data, data protected by the Privacy Act of 1974 (5 U.S.C. 552a), or other confidential or privileged technical, business, or financial information under this subcontract, it shall treat such information in accordance with any restrictions imposed on such information.
- (iii) The Subcontractor may use technical data it first produces under this subcontract for its private purposes consistent with subparagraphs (B) (2) (i) (a) and (d) of this clause and the patent, rights in data, and security provisions of this subcontract.

C. Disclosure after award

1. The Subcontractor agrees that if changes, including additions, to the facts disclosed by it prior to award of this subcontract occur during the performance of this subcontract, it shall make an immediate and full disclosure of such changes in writing to the NREL Subcontract Administrator. Such disclosure may include a description of any action that the Subcontractor has taken or proposes to take to avoid, neutralize, or mitigate any resulting conflict of interest. NREL may, however, terminate the subcontract for convenience if it deems such termination to be in the best interest of NREL and the Government.
2. In the event that the Subcontractor was aware of facts required to be disclosed or the existence of an actual or potential organizational conflict of interest and did not disclose such facts or such conflict of interest to the NREL Subcontract Administrator, NREL may terminate this subcontract for default.

D. Remedies

For breach of any of the above restrictions or for nondisclosure or misrepresentation of any facts required to be disclosed concerning this subcontract, including the existence of an actual or potential organizational conflict of interest at the time of or after award, NREL may terminate the subcontract for default, disqualify the Subcontractor from subsequent related contractual efforts, and pursue such other remedies as may be permitted by law or this subcontract.

E. Modification

Request for a modification of the requirements under this clause shall be directed in writing to the NREL Subcontract Administrator and shall include a full description of the requested modification and the reasons in support thereof. If it is determined to be in the best interests of NREL and the Government, the NREL Subcontract Administrator will notify the Subcontractor in writing that such modification is accepted.”

ARTICLE 19 - INTEGRATION

This subcontract contains the entire understanding between the parties, and there are no understandings or representations except those set forth or incorporated by reference herein. No subsequent modifications of this subcontract shall be of any force or effect unless in writing signed by a duly authorized official of NREL.

IN WITNESS WHEREOF, the parties hereto have executed this subcontract as of the date fully signed below.

ACCEPTED: *****

AUTHORIZED: MIDWEST RESEARCH INSTITUTE
NATIONAL RENEWABLE ENERGY LABORATORY
DIVISION

BY: _____

BY: _____

TITLE: _____

TITLE: _____

DATE: _____

DATE: _____