

## **STATEMENT OF WORK Renewable Energy System (716) Virginia**

**These deliverables apply to this individual practice. For other planned practice deliverables, refer to those specific Statements of Work.**

### **DESIGN**

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#### **Deliverables:**

1. Design documentation that will demonstrate that the criteria in the NRCS practice standard have been met and are compatible with other planned and applied practices:
  - a. Identify, discuss and document client needs, and recommend method of resolution.
  - b. Practice purpose(s) as identified in the conservation plan.
  - c. List of required permits to be obtained by the client as applicable.
  - d. Compliance with NRCS national and state utility safety policy (NEM Part 503-Safety, Subpart A - Engineering Activities Affecting Utilities 503.00 through 503.06). This includes contacting MISS UTILITY (811 or 1-800-552-7001) a minimum of 3 days before beginning construction.
  - e. List of associated practices (conservation practice name and number).
  - f. Practice standard criteria related computations and analyses to develop plans and specifications including but not limited to:
    - i. Objectives and outcomes of implementation.
    - ii. Written approval from the local electric utility for all grid-connected systems.
    - iii. Structural, mechanical and appurtenance design.
    - iv. Expected system performance.
    - v. Annual operating costs where appropriate.
    - vi. Quantities and fate of any byproducts.
    - vii. Control system requirements.
    - viii. Safety considerations (NEM Part 503- Safety, Subpart A, 503.06 through 503.12).
2. Written plans and specifications, including sketches and drawings, shall be provided to the client that adequately describe the requirements to install the practice and obtain necessary permits. Plans and specifications shall be developed in accordance with the requirements in the Renewable Energy System (716) conservation practice standard.
3. Design Report and Inspection Plan as appropriate (NEM Part 511, Subpart B Documentation, 511.11 and Part 512, Subpart D Quality Assurance Activities, 512.30 through 512.32).
4. Operation and Maintenance Plan.
5. Certification that the design meets NRCS standards and specifications and is in compliance with permits (NEM VA505.03).

### **INSTALLATION**

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#### **Deliverables:**

1. Pre-installation conference with client and contractor.
2. Verification that client has obtained required permits.
3. Staking and layout according to plans and specifications, including applicable layout notes.
4. Installation inspection (according to inspection plan, as appropriate):
  - a. Actual materials used.
  - b. Inspection records.
5. Facilitate and implement required design modifications with client and original designer.
6. Advise client/NRCS on compliance issues with all federal, state, tribal, and local laws, regulations and NRCS policies during installation.

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**Renewable Energy System (716)**  
**Virginia**

**CHECK OUT**

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**Deliverables:**

1. As-Built documentation.
  - a. "Red-line" drawings including but not limited to documentation of final construction, changes to initial design, and changes in materials used.
  - b. Topographic survey of finalized project area as applicable.
  - c. Extent of practice units applied.
  - d. Final quantities.
2. Start-up data showing the facility or process is working as intended.
3. Certification that the installation meets NRCS standards and specifications and is in compliance with permits (NEM VA505.03, Amendment VA-18).
4. Test results and interpretations as required.
5. Progress reporting.

**REFERENCES**

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- VA NRCS Field Office Technical Guide (eFOTG), Section IV, Interim Conservation Practice Standard – Renewable Energy System, 716.
- VA NRCS Field Office Technical Guide (eFOTG), Section IV, Interim Operation and Maintenance Plan - Renewable Energy System, 716.
- NRCS National Engineering Manual (NEM).
- 210-V-NEM Part 505-Non-NRCS Engineering, Amendment VA-18.
- NRCS National Environmental Compliance Handbook.
- NRCS Cultural Resources Procedures Handbook.