

STATEMENT OF WORK
Farmstead Energy Improvement (374)
Indiana

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

NRCS will not provide design assistance or construction certification for farmstead energy improvements installed under this standard. The landowner is responsible to work with vendors, suppliers, and contractors that have expertise and experience with the design and installation of the improvements to be installed. When the design or installation requires the services of an engineer or technical specialist, the landowner is responsible for obtaining these services.

DESIGN

Deliverables:

Design documents that demonstrate criteria in NRCS practice standard have been met and are compatible with planned and applied practices

- a. Practice purpose(s) as identified in the conservation plan and on-farm energy audit conforming to a Type 2, ANSI/ASABE S612 on-farm energy audit (or Agricultural Energy Management Plan, Headquarters: Conservation Activity Plan Practice Code 122)
 - b. List of required permits to be obtained by the client and regulations to be met
 - c. List of facilitating practices
2. Practice standard criteria-related computations and analyses to develop plans and specifications including but not limited to:
 - a. Copy of current energy audit identifying the proposed energy improvement.
 - b. Digital photograph of the existing items to be replaced or retrofitted
 - c. Documentation of the potential energy savings for the installed
 - d. Detailed cost estimate for planned installation
 3. Written plans and specifications including sketches and drawings (when required for satisfactory installation) shall be provided to the client that adequately describes the requirements to install the practice and obtain necessary permits. Include specific equipment model numbers and verification that equipment conforms with energy conservation criteria stated in the energy audit.
 4. Operation and maintenance plan
 5. Written certification that the design meets practice standard criteria and complies with applicable laws and regulations
 6. Verification that the planned installation (or equipment modification) is compatible with the overall performance of the system, for which it is a part. (Examples: Ventilation system modifications provide sufficient air exchange for the intended purpose of the building; modifications made to milk cooling systems are functional for daily milk production)

INSTALLATION

Deliverables

1. NRCS requires that all work is completed by a contractor experienced with installation of similar equipment, and all electrical work is performed by a licensed electrical contractor.
2. Pre-installation conference with client
3. Verification that client has obtained required permits
4. Installation guidance as needed
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
7. Design modifications during installation as required, including associated cost modifications, and operation and maintenance plan revisions
8. Written certification that the installation process and materials meets design and permit requirements, and the system under which the equipment was installed performs as initially intended

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CHECK OUT

Deliverables

The landowner is to furnish NRCS the following documentation when the work is completed

1. Records of application
 - a. Extent of practice units applied
 - b. Actual materials used, including digital photograph of new items installed
 - c. Invoices for all materials and equipment
2. Written certification that the application meets the specifications described in the energy audit, NRCS standards and specifications and is in compliance with permits.
3. Written certification from the installation contractor, and acknowledgement from the landowner, that the equipment and system for which is a part of, is operating as intended.
4. Written certification as described in item 3 (above) from engineer or technical specialist, as required.

NRCS will review the checkout deliverables provided by the landowner and schedule a field visit to observe the completed installation.

REFERENCES

- NRCS Field Office Technical Guide (eFOTG), Section IV, Conservation Practice Standard Farmstead Energy Improvement - 374
- NRCS National Environmental Compliance Handbook
- NRCS Cultural Resources Handbook