

STATEMENT OF WORK
Lighting System Improvement (670)
Ohio

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 lighting system 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:

1. Design documents that demonstrate criteria in NRCS practice standard have been met and are compatible with planned and applied practices
Practice purpose(s) as identified in the conservation plan.
The planned work must be identified in audit that conforms to a Type 2, ANSI/ASABE S612 on-farm energy audit (or Agricultural Energy Management Plan, Headquarters: Conservation Activity Plan Practice Code 122)
 - a. List of required permits to be obtained by the client and regulations to be met
 - b. List of facilitating practices
2. Written plans and specifications including sketches and drawings shall be obtained by the client that adequately describes the requirements to install the practice and obtain necessary permits. The plan will include the location and quantity of lighting improvements (and needed controls) to complete the system. Include specific equipment model numbers and verification that lighting equipment conforms with energy conservation criteria stated in the energy audit
3. Operation and maintenance plan
4. Written certification that the design meets practice standard criteria, conforms with energy audit recommendations, and complies with applicable laws and regulations
5. Design modifications during installation as required
6. Verification that lighting system improvements also provides sufficient illumination for the intended purpose of the building as referenced in ASAE EP 344.4 (Lighting Systems for Agricultural Facilities)

INSTALLATION

Deliverables

1. Lighting system improvements that consist of only replacing light bulbs in existing receptacles may be performed by the landowner or contractor. However, when the work consists of adding receptacles, wiring modifications, or adding controls; NRCS requires the work to be performed by an electrical contractor licensed through the Ohio Construction Industry Licensing Board.
 2. Pre-installation conference with client, installer, and NRCS
 3. Verification that client has obtained required permits (when required by local ordinances)
 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. Written certification that the installation process and materials meets design and permit requirements
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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 and location practice units applied
 - b. Actual materials used, including manufacturer model numbers and specifications
 - c. Invoices for all materials
 - d. Operation and Maintenance plan required for safe and continuous operation of the system as intended
2. Written certification that the application meets NRCS standards and specifications and is in compliance with permits.
3. Written certification from the installation contractor, and acknowledgement from the landowner, that the lighting system improvements are operating as intended for building lighting requirements.
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 Lighting System Improvement - 670
- NRCS National Environmental Compliance Handbook
- NRCS Cultural Resources Handbook
- Contractor license look-up: <https://elicense4-secure.com.ohio.gov/Default.aspx>