

# Lighting System Improvement

Minnesota Practice Job Sheet 670

Design and Preconstruction Requirements

**Natural Resources  
Conservation Service**

Prepared for: \_\_\_\_\_

Prepared by: \_\_\_\_\_

Farm: \_\_\_\_\_ Tract: \_\_\_\_\_ Date: \_\_\_\_\_

## DEFINITION AND PURPOSE

Development and implementation of improvements to reduce on-farm energy usage or improve the energy efficiency of agricultural facilities.

## STEP 1: ENERGY AUDIT

Proposed energy improvements shall be listed, referenced, and thoroughly described in a current energy audit performed in accordance with ASABE S612, *Performing On-farm Energy Audits*. Audits performed within the past four years are generally considered to be current unless modifications have been performed to the facility evaluated during the audit which significantly affect energy usage.

All components, including their installation and workmanship, shall meet or exceed all federal, state and local standards and guidelines.

### ENERGY AUDIT INFORMATION

Auditor Name \_\_\_\_\_

TSP Number (if applicable): \_\_\_\_\_

Date of Audit: \_\_\_\_\_

## STEP 2: PLANS AND SPECIFICATIONS

Plans and specifications shall describe the requirements for properly installing all components to achieve their intended uses. ***Plans and specifications shall be developed by the participant or the participant's supplier prior to contracting with NRCS for EQIP funding for implementation. NRCS shall not be tasked with or responsible for completing designs related to this conservation practice standard.***

All components shall be designed and installed in strict accordance with all manufacturers' recommendations and guidelines.

Prior to contract development, the participant shall provide the following deliverables to NRCS:

- Written specifications that describe the site specific details of installation
- Description of the existing system/components and replacement/retrofit components. The Minnesota Practice Job Sheet 670 - Lighting System Improvement Appendix B: [Lighting System Installation Bid Sheet](#) may be used as a starting point for documenting locations, quantities and descriptions of existing equipment and proposed replacements in order to accomplish the estimated energy savings from the audit.
- Plans, diagrams or descriptions documenting the location of existing system/components and replacement/retrofit components

The deliverables listed above shall be submitted to NRCS for a general concurrence review for conformance with this standard.

Any changes to plans and specifications shall be reviewed and accepted by NRCS prior to installation of affected components.

**STEP 3: PRECONSTRUCTION CERTIFICATION (Required Prior to Installation)**

After plans and specifications have been reviewed and accepted by NRCS and prior to practice installation, the participant certifies the deliverables provided in Step 2 meet the requirements of this conservation practice standard and does not hold the NRCS responsible for any damages that may result from their installation. The participant also certifies that all improvement that will be made as part of this practice have been coordinated with and approved by their integrator (when applicable)

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Participant Signature

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Date

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Authorized NRCS Agent Signature

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Date