



Operation & Maintenance Plan Energy Efficient Lighting System (Code 670)

Expected Lifespan

The minimum expected lifespan of this practice is at least 10 year(s).

Operation and Maintenance

A properly operated and maintained **Energy Efficient Lighting System** can be an asset to the farm. The system was designed and installed to increase energy efficiency by replacing or retrofitting one or more components of an agricultural lighting system. The life of the system can be assured and usually increased by developing and carrying out a systematic operation and maintenance program. This practice will require periodic maintenance and may also require operational items to maintain satisfactory performance.

This practice will require you to perform periodic operation and maintenance to maintain satisfactory performance. The following are some requirements to help you develop a good operation and maintenance program.

Inspection and Maintenance

- Inspect after significant storm events, extended periods where components are not operated, and at minimum annually to identify repair and maintenance needs.
- Inspect lamps, ballasts, fixtures, wiring, and controls regularly. Replace burned out lamps promptly, and repair or replace other system components as appropriate to ensure the system is functioning properly.
- Clean lamps, fixtures, and room surfaces regularly to ensure a high-quality light environment is maintained.
- Operate and maintain replacement or retrofit systems and related components or devices in accordance with the manufacturer's specifications.
- Identify critical control devices associated with the building lighting system. Inspect regularly and perform maintenance as necessary.
- Inspect seals on gasketed or weatherproof housings and replace or tighten as needed.
- Maintain Records for a minimum of three years:
 - Document monthly implementation and maintenance of lighting system improvements.
 - Document monthly utility bills, fuel costs, and yield of agricultural commodities produced in the building.

Operation, Maintenance, and Inspection Costs

- It is estimated that the annual time to routinely inspect and make minor repairs to your Energy Efficient Lighting System will be:
 - Inspection = 2 hours/year/improvement
 - Minor Repairs = 2 hours/year/improvement
 - Major repairs or damage will require extra time and materials.
- Most minor repairs can be made by the operator using basic hand tools. However, major repairs to the electrical system, lighting fixtures, etc. may require hiring a professional experienced in these repairs and improvements.

Specific Site Requirements