NRCS CONSERVATION PRACTICE EFFECTS - NETWORK DIAGRAM

**Initial Setting:** Any agricultural facility with an existing lighting system and a completed lighting assessment that complies with the guidelines for a Type 2 on-farm energy audit for the major activity of lighting per ANSI/ASABE S612.

1. Complete replacement or retrofitting of one or more components of an existing agricultural lighting system.

- **D.1** (-) Operating time, connected load, or both for lighting systems.
- **D.4** (+) Proper disposal of used equipment or waste materials:
  - Solid Waste
  - PCB
  - Mercury
- **D.7** (+) Appropriate light levels
- **D.8** (-) Fire hazard
- **D.9** (+) Income for local business(es)
- **D.3** (-) Operation and maintenance costs
- **D.5** (+) Installation Costs
- **D.6** (+/-) Agricultural production
- **D.2** (-) On-site electricity use
- **I.1** (-) PM emissions
- **I.3** (+) Water Quality
- **I.4** (-) CO₂ emissions
- **I.5** (-) Off-site electricity production
- **C.1** (+) Air Quality
- **C.2** (-) Greenhouse Gas Emissions
- **C.3** (+) U.S. Energy Security
- **C.4** (+) Quality of receiving waters
- **C.5** (+) Health and human welfare
- **C.6** (+/-) Income and income stability (Individuals and community)
- **C.7** (+) Human and animal safety

**Notes:**
Effects are qualified with a plus (+) or minus (-). These symbols indicate only an increase (+) or a decrease (-) in the effect upon the resource, not whether the effect is beneficial or adverse.