Initial Setting: On-farm energy audit completed with recommendations to implement measures that will reduce energy use or increase energy efficiency in non-residential structures or systems.

1. Installed Ground Source Heat Pump

2. Installed technologies that enable reduced combustion of fuel to accomplish the same intended task or allow for reduced operation of an existing energy-using system

3. Upgraded on-farm energy efficiencies

4. Installed automatic programmable environmental control systems and components

D.1 (+) Ground disturbance

D.2 (-) PM emissions

D.3 (-) Ozone precursor emissions

D.4 (-) CO₂ emissions

D.5 (-) Energy use

D.6 (+) Capital costs

D.7 (-) Operation and maintenance costs

D.8 (+) Disposal of used equipment or waste materials:
- Solid Waste
- PCB
- Freon
- Mercury

D.9 (-) On-site electricity use

I.1 (+) Soil erosion

I.2 (-) Greenhouse gas emissions

I.3 (+) Net farm income

I.4 (-) Water Quality

I.5 (-) CO₂ emissions

I.6 (-) Ozone precursor emissions

I.7 (-) Off-site electricity production

I.8 (-) PM emissions

I.9 (+) Human health

C.1 (+) Air Quality

C.2 (+) U.S. Energy Security

C.3 (+) Income and income stability (Individuals and community)

C.4 (+) Human health

C.5 (+) Human health

C.6 (+) Human health

C.7 (+) Human health

C.8 (+) Human health

C.9 (+) Human health

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.