



CONSERVATION ENHANCEMENT ACTIVITY

E374144Z2

CONSERVATION STEWARDSHIP PROGRAM

Switch fuels source for pump motor(s)

Conservation Practice 374: Farmstead Energy Improvement

APPLICABLE LAND USE: Crop (Annual & Mixed); Crop (Perennial); Pasture; Associated Ag Land; Farmstead

RESOURCE CONCERN ADDRESSED: Inefficient Energy Use

PRACTICE LIFE SPAN: 10 years

Enhancement Description

Switch the fuel source for the pump motor(s) indicated in the energy audit to a renewable source (wind, solar, geothermal, etc.). (CPS 533 Pumping Plant)

Criteria

- Written specifications describing site specific details of installation, including:
 - The replacement or retrofit system and/or related components or devices.
 - System energy usage and resulting potential energy savings from the implementation of this enhancement.

Note: 1 horsepower (hp) = 0.75 kilowatts (kW)

- Plan view showing the location of the measures in relation to other structures or natural features, where appropriate.
- Estimate of energy provided by fuel source.
- Method used to protect existing power provider from back feed from renewable source.
- Electrical wiring shall meet the requirements of the National Electrical Code.



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- Operation and maintenance plan shall be developed that is consistent with the purpose(s) of this practice, its intended life, and safety requirements.

Documentation Requirements

- Where appropriate, complete Farmstead Energy Improvement (CPS 374) or Pumping Plant (CPS 533) documents per the Plans and Specifications for the planned purpose.
- Operation and Maintenance plan specific to each fuel source, including;
 - Inspection and testing of all components, including automated controls to assure proper functioning as designed.
 - Procedure on how to test and inspect.