

Energy Enhancement Activity –ENR03- Pumping Plant Powered by Renewable Energy



Enhancement Description

This enhancement requires the use of renewable energy—solar or wind – to power pumping plants for irrigation, drainage, livestock watering, or wildlife.

Land Use Applicability

Cropland, pastureland and rangeland.

Benefits

The advantages of using solar or wind resources to power water pumps include conservation of fossil fuels, the reduction of the use of chemical fluids such as oils and coolants, and the reduction of air pollutants such as greenhouse gases caused by the combustion of fossil fuels commonly used to power most pumping systems.

Criteria for Pumping Plant Powered by Renewable Energy

- This enhancement requires the use of a renewable energy source to power pumping plants for irrigation, drainage, livestock water or wildlife.
- The power source can be onsite solar or wind generated power or it can be “green power” purchased from a utility. “Green power” in this instance is defined as electricity derived either from solar or wind but not bio-fuels and not hydroelectric power.
- This enhancement does not apply to purchase of equipment or “green energy” that is used to supply the energy needs of a personal residence.

Documentation Requirements for Pump Irrigation Water with Renewable Energy

- Documentation the installation of an electricity generating wind turbine pumping plant system, and/or a solar panel pumping plant system used solely for the purposes listed above or;
- Documentation of the purchase of “green power” (see definition above) from a third party that is used solely for irrigation purposes.