United States Department of Agriculture
Natural Resources Conservation Service

2011 Ranking Period 1

Energy Enhancement Activity – ENR07 – On Farm Energy Audit

Enhancement Description
Conduct an on farm Type 2 energy audit according ASABE Standard S612 and implement findings according to the criteria below.

Land Use Applicability
Cropland, pastureland, rangeland and forestland.

Benefits
Farming operations use significant amounts of energy. An energy audit can identify changes that a farmer can make in operations and equipment that will save energy. By implementing some or all of the recommendations from an audit a farmer can save significant amounts of energy and money.

Criteria

1. Conduct a Type 2 energy audit according to ASABE Standard S612.
2. The energy audit should be conducted for all farming operations. However, requirements for implementation of the recommendations apply only to those items that pertain to the CSP land uses, cropland, pastureland, rangeland and forestland.
3. Implement any recommendation in the audit that has a payback of no more than 2 years, an estimated cost which is no more than 40% of the annual energy costs for the activity associated with the recommendation and that applies to the following major activities as defined in the ASABE standard and that occur on CSP land uses:
    a. Other motors/pumps
    b. Cultural Practices
    c. Water Management
    d. Irrigation

    Note: This means that audit recommendations pertaining to headquarters operations do not have to be implemented to satisfy this enhancement. Other audit recommendations (those that do not satisfy Critieria 3) may be implemented at the discretion of the applicant.

Documentation Requirements

1. A copy of the energy audit.
2. A list of activities that have been implemented as a result of the audit and the expected energy savings.

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ASABE Standard S612: http://asae.frymulti.com/azdez.asp?JID=2&AID=28041&CID=s2000&T=2