

**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 Criteria 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.

**ALABAMA SUPPLEMENT TO ENHANCEMENT ENR07 ON FARM ENERGY AUDIT**

**Reference:**

ASABE Standard S612

[http://extension.purdue.edu/renewable-energy/docs/S612\\_JUL2009.pdf](http://extension.purdue.edu/renewable-energy/docs/S612_JUL2009.pdf)

**Documentation Requirements:**

- I have attached a copy of my Energy Audit, which meets the requirements of ASABE Standard S612 , Type 2 Audit.
- I have implemented all recommendations in the audit that had a payback of no more than 2 years, and an estimated cost which was no more than 40% of the annual energy costs for the activity associated with the recommendation.

**Implemented Activities And Energy Savings**

<b>Producer Name:</b>		<b>Date:</b>	
<b>Tract Number(s):</b>		<b>County:</b>	
<b>Eligible Activity</b> (Other motors/pumps, Cultural Practices, Water Management, Irrigation)	<b>Field Number(s):</b>	<b>Land Use</b> (Cropland, Pastureland, Forestland)	<b>Energy Saving per Year</b> (J, kWh, or million Btu)

The supplied documentation accurately reflects the implementation of this enhancement.

**SIGNATURE:** \_\_\_\_\_