



Attachment A2

PRODUCER

DATE:

Energy Cost Efficiency Worksheet

Step 1 - Enter estimated annual energy savings and calculate Value Ratio.

Enter estimated savings only for the energy measures which the producer has made application to implement in the schedule of operations. Note that the Agricultural Energy Management Plan (AgEMP) or another ASABE S612-compliant on-farm energy audit may have evaluated or recommended more measures than the producer wishes to implement. Exclude estimated savings for measures that are not planned.

Include only the amount of practice implementation planned. For example, a report might recommend lighting upgrades for three poultry houses. If the producer only wants to upgrade lighting in one house, then you will need to identify the savings associated with that single house. (The energy report should clearly indicate the savings associated with such easily separated measures. If not, contact the energy analyst responsible for the report to clarify the information.)

If the measures are part of a recent AgEMP-HQ (CAP 122), the Table 1 Summary in the report will display all evaluated measures with a simple pay-back (SPB) of 10 years or less. Measures with a SPB of more than 10 years may have been evaluated and recommended by the TSP. If the producer chooses to implement measures with more than a 10 year SPB, include the energy savings of those measures in the Savings Entry Table as well.

Savings Entry Table

Est. Annual Energy Savings [1]			Rate Basis		Year 1 Value	Energy Content		Year 1 Est. Gain
Source	Energy Savings Enter savings	Unit	Value	Unit	(\$/yr)	Value	Unit	(MMBtu/yr)
Diesel (No.2)		gal/yr	4.04	\$/gal	-	139,000	Btu/gal	
Electricity		kWh/yr	0.117	\$/kWh	-	3,412	Btu/kWh	
Natural Gas		<select>						
Propane		gal/yr	2.27	\$/gal	-	91,600	Btu/gal	
Wood [2]		cord/yr	200	\$/cord	-	22,000,000	Btu/cord	

Data entry

Est. Year 1 Value:

Est. Year 1 Gain:

Calculated value

- [1] Enter savings value to match units used in energy report.
- [2] Cord wood is used as a proxy for all solid biomass energy sources (corn, wood chips, etc.).

Est. Year 1 Value Ratio: \$/MMBtu

Step 2 - Enter estimated project costs and calculate Cost Ratio.

Enter the full estimated Project Cost only for the measures the producer plans to implement with this contract.
Do not deduct rebates that the producer may receive such as; EQIP funding, tax credits, utility incentives, etc.

Project Installation Cost Estimate:

Est. Year 1 Cost Ratio: \$/MMBtu

Estimated energy cost efficiency: (ranking basis)

Completed by: (please enter name & title)