

Attachment C

State and Local Environmental Quality Incentives Program On-Farm Energy Initiative Program Contracts System AERT Questions Fiscal Year 2012

State Issues–

Maximum of 400 points allowed for all questions.

Sub-heading 1–Answer BOTH of the following two questions regarding the producer’s efforts to conserve energy and improve energy efficiency in their farming operation. (Maximum points 150)

1a: Has an Agricultural Energy Management Plan (AgEMP), also known as a Comprehensive Type 2 on-farm energy audit (that meets the ASABE S612 On-Farm Energy audit standard), been conducted in the last three to five years? (100 points)

1b: Is applicant using or has applicant used a smart meter to monitor, evaluate, and or manage energy usage and time-of-use on their farming enterprise/operation? (50 points)

Sub-heading 2–If appropriate, answer ONE of the following two questions regarding the producer’s recent energy conservation actions. (Maximum points 50)

2a: Has applicant ALREADY INSTALLED at least TWO recommended measures/energy conserving components (i.e., lighting, and ventilation) in the last three years? (50 points)

2b: Has applicant ALREADY INSTALLED at least ONE recommended measure/energy conserving component (i.e., lighting, and ventilation) in the last three years? (20 points)

Sub-heading 3–Select ALL APPROPRIATE categories of major energy efficiency activities that the applicant is going to install in this contract. (Maximum points 160)

3a: LIGHTING components (lamps, timers, sensors) recommended in the audit? (10 points)

3b: VENTILATION components (fans, control systems, variable drives, humidity control) recommended in the audit? (10 points)

3c: REFRIGERATION components (compressor, evaporator/chiller, motor, insulation) recommended in the audit? (10 points)

3d: MILK HARVESTING components (pumps, motors, and controllers) recommended in the audit? (10 points)

3e: CONTROLLERS components (master system automation) recommended in the audit? (10 points)

3f: OTHER MOTORS/PUMPS components (types, compressors) recommended in the audit? (10 points)

3g: WATER HEATING components (heater, insulation, recovery, waterers) recommended in the audit? (10 points)

3h: AIR HEATING/BUILDING ENVIRONMENT components (heater, insulation, recovery, variable drives) recommended in the audit? (10 points)

3i: DRYING components (air flow, handling equipment) recommended in the audit? (10 points)

3j: WASTE HANDLING components (collection and dispersal equipment/methods) recommended in the audit? (10 points)

3k: AIR COOLING (airflow, control systems, evaporative) components recommended in the audit? (10 points)

3l: WATER MANAGEMENT components (wells, reservoir, recycled) recommended in the audit? (10 points)

3m: IRRIGATION components (motors/engines, pumps) recommended in the audit? (10 points)

3n: AGRICULTURAL PRACTICES that use more energy efficient ENGINE DRIVEN EQUIPMENT (i.e., planting, tilling, harvesting, etc.) recommended in the audit? (10 points)

3o: CROP/FEED STORAGE components recommended in the audit? (10 points)

3p: MATERIAL HANDLING (equipment, motors, pumps) components recommended in the audit? (10 points)

Sub-heading 4—if appropriate, answer ONE of the following three questions regarding conservation practices offered in the EQIP On-Farm Energy Initiative.
(Maximum 20 points)

4a: Application includes THREE OR MORE conservation practice standards offered in the Initiative. (20 points)

4b: Application includes TWO conservation practice standards offered in the Initiative. (15 points)

4c: Application includes ONE conservation practice standard offered in the Initiative.
(10 points)

Sub-heading 5–If appropriate, answer ONE of the following three questions regarding percent of energy savings based on the measures/practices PRODUCER INTENDS TO INSTALL. Percentage energy savings = (total estimated energy saved/total current energy usage). (Maximum points 20)

5a: Will the recommended measures/practices (to be installed through this contract) achieve a total estimated percent reduction in energy use (i.e., percent energy savings) greater than 40 Percent? (20 points)

5b: Will the recommended measures/practices (to be installed through this contract) achieve a total estimated percent reduction in energy use (i.e., percentage of energy savings) between 40 percent and 25 percent? (15 points)

5c: Will the recommended measures/practices (to be installed through this contract) achieve a total estimated percent reduction in energy use (i.e., percent of energy savings) between 24 and 5 percent? (10 points)

Local Issues–

Answer the following questions related to the application.

1. Application includes at least one practice with a lifespan of 10 years or greater, as documented in the eFOTG. (5 points)
2. Practices are scheduled to be completed within four years. (5 points)
3. Participant has a conservation plan approved at least 30 days prior to the application cutoff date that addresses a primary resource concern. (5 points)