

Close

Ranking Tool Summary

for FY2013 - FY13 On-Farm Energy

(Released 11/14/2012)

Description:

National On-Farm Energy Initiative (NOFEI) - FY2013.

Land Uses:

Crop, Headquarters, Native/Naturalized Pasture, Pasture

Efficiency Score:

Scoring Multiplier: 1000.000

Optional Notes:

National Priorities:

Scoring Multiplier: 1.000

Questions:

Number	Question	Points
1	a. Is the program application to support the development of a Conservation Activity Plan (CAP)? If answer is "Yes", do not answer any other national level questions. If answer is "No", proceed with evaluation to address the remaining questions in this section.	250
2	a. Meet regulatory requirements relating to animal feeding operations, or proactively avoid the need for regulatory measures?	15
2	b. Reduce sediment, nutrients or pesticides from agricultural operations located within a field that adjoins a designated "impaired water body" (TMDL, 303d, etc.)?	15
2	c. Reduce sediment, nutrients or pesticides from agricultural operations located within a field that adjoins a "non-impaired water body"?	5
3	a. Decrease aquifer overdraft?	15
3	b. Conserve water from irrigation system improvements and saved water will be available for other beneficial uses?	10
3	c. Conserve water in an area where the applicant participates in a geographically established or watershed-wide project?	5
4	a. Meet on-farm regulatory requirements relating to air quality or proactively avoid the need for regulatory measures?	15
4	b. Reduce on-farm generated green house gases such as CO ₂ (Carbon Dioxide), CH ₄ (Methane), and N ₂ O (Nitrous Oxide)?	15
4	c. Increase on-farm carbon sequestration?	5
5	a. Reduce erosion to tolerable limits (Soil "T")?	15
5	b. Improve soil tilth, organic matter, structure, health, etc.?	5
6	a. Benefit on-farm habitat associated with threatened and endangered, at-risk, candidate, or species of concern as identified in a State wildlife plan?	15
6	b. Help retain wildlife and plant habitat on land exiting the Conservation Reserve Program (CRP)?	10
7	a. Help manage or control noxious or invasive plant species on non-cropland?	10
7	b. Increase, or improve habitat to benefit pollinator or other targeted wildlife species?	10
7	c. Properly dispose of livestock carcasses?	5
7	d. Are identified in an Integrated Pest Management plan?	10
7	e. Are identified in a Nutrient Management plan?	10

7	f. Apply principles of adaptive nutrient management?	5
8	a. Reduce energy consumption on the agricultural operation?	15
8	b. Increase on-farm energy efficiency with practices and improvements identified in an approved energy audit equivalent to criteria required in Ag EMP (122,124)?	10
8	c. Assist in implementing energy conservation measures that also reduce greenhouse gas emissions and other air pollutants?	10
9	a. Implementation of all conservation practices scheduled in the contract on the CPA-1155 within three years of date of obligation?	10
9	b. Improvement of existing conservation practices or conservation systems already in place at the time the application is accepted?	5
9	c. Implementation of practice(s) which will complete an existing conservation system or suite of practices?	5
Total Points		500

State Issues:

Scoring Multiplier: 1.000

Questions:

Sub-heading Number	Question Number	Question	Points
1		If the application is for the development of a Conservation Activity Plan (CAP), the agency will assign significant ranking priority and conservation benefit by answering ?Yes? to the following question. Answering ?Yes? to question 1a will result in the application being awarded the maximum amount of points that can be earned for the state level questions.	
	1	a Is the program application for development of a Conservation Activity Plan (CAP) for a TSP prepared Agricultural Energy Management Plan (122 or 124)? If answer is ?Yes?, do not answer any other state level questions. If answer is ?No?, proceed with evaluation to address the remaining questions in this section.	400
2		Answer both of the following two questions regarding the producer?s efforts to improve existing energy conservation systems in their farming operation. Maximum points 150.	
	2	a Are the practices included in the schedule of operation included as recommendations in 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) which has been conducted in the last four years?	100
	2	b 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
3		Select all appropriate categories of major energy efficiency activities that apply to the contract for this applicant. Is the applicant going to install: Maximum points 150.	
	3	a LIGHTING components (lamps, timers, sensors)?	10
	3	b VENTILATION components (fans, control systems, variable drives, humidity control)?	10
	3	c REFRIGERATION components (compressor, evaporator/chiller, motor, insulation)?	10
	3	d MILK HARVESTING components (pumps, motors, controllers)?	10
	3	e CONTROLLERS components (master system automation)?	10
	3	f OTHER MOTORS/PUMPS components (types, compressors)?	10
	3	g AIR HEATING/BUILDING ENVIRONMENT components (heater, insulation, recovery, variable drives)?	10

	3	h DRYING components (air flow, handling equipment)?	10
	3	i WASTE HANDLING components (collection and dispersal equipment/methods)?	10
	3	j AIR COOLING components (airflow, control systems, evaporative)?	10
	3	k WATER MANAGEMENT components (wells, reservoir, recycled)?	10
	3	l IRRIGATION components (motors/engines, pumps)?	10
	3	m AGRICULTURAL PRACTICES that use more energy efficient engine driven equipment (i.e., planting, tilling, harvesting, etc.)?	10
	3	n CROP/FEED STORAGE components?	10
	3	o MATERIAL HANDLING (equipment, motors, pumps) components?	10
4		If appropriate, answer one of the following three questions regarding conservation practices offered in the EQIP On-Farm Energy Initiative: Maximum points 50.	
	4	a Application includes three or more core or supporting conservation practice offered in the Initiative.	50
	4	b Application includes two core or supporting conservation practice offered in the Initiative.	15
	4	c Application includes one core or supporting conservation practice offered in the Initiative.	10
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 50.	
	5	a Will the recommended measures/practices (to be installed through this contract) achieve a total estimated percent reduction in energy use (i.e., % energy savings) greater than 40%?	50
	5	b Will the recommended measures/practices (to be installed through this contract) achieve a total estimated percent reduction in energy use (i.e., % energy savings) between 40% and 25%?	15
	5	c Will the recommended measures/practices (to be installed through this contract) achieve a total estimated percent reduction in energy use (i.e., % energy savings) between 24 and 5%?	10
		Maximum Points: Total Points	850

Local Issues:

Scoring Multiplier: 1.000

Questions:

Sub-heading Number	Question Number	Question	Points
1		If the application is for the development of a Conservation Activity Plan (CAP), the agency will assign significant ranking priority and conservation benefit by answering "Yes" to the following question. Answering "Yes" to question 1a will result in the application being awarded the maximum amount of points that can be earned for the local level questions.	
	1	Is the program application for the development of a Conservation Activity Plan (CAP), for a TSP prepared Agricultural Energy Management Plan (122 or 124)? If "Yes", do not answer any other local level questions. If "No", proceed with evaluation to address the remaining questions in this section.	250
2		Energy Conservation: Answer all that apply.	
	2	The project will reduce on-farm use of fossil fuels or bio-fuels.	25
	3	a. The project will reduce annual on-farm energy use by > 500 MMBtu through energy efficiency improvements.	100
	3	b. The project will reduce annual on-farm energy use by 200-500 MMBtu	70

		through energy efficiency improvements.	
	3	c. The project will reduce annual on-farm energy use by 100-199 MMBtu through energy efficiency improvements.	50
	3	d. The project will reduce annual on-farm energy use by 50-99 MMBtu through energy efficiency improvements.	30
	3	e. The project will reduce annual on-farm energy use by < 50 MMBtu through energy efficiency improvements.	20
3		If appropriate, answer ONE of the following two questions regarding the producer's recent energy conservation actions.	
	4	a Has applicant ALREADY INSTALLED at least TWO measures/energy conserving components (i.e. lighting, ventilation, etc.) in the last five years?	100
	4	b Has applicant ALREADY INSTALLED at least ONE measure/energy conserving component (i.e. lighting, ventilation, etc.) in the last five years?	50
4		Does the application meet the following conditions:	
	4	a. The applicant has never had an EQIP contract.	25
	4	b. The applicant has CANCELLED two or more Conservation Program Contracts funded through the 2002 or 2008 Farm Bill?	-25
	4	c. The applicant is currently OUT OF COMPLIANCE on an active Conservation Program Contract?	-50
	4	d. NRCS has TERMINATED a Conservation Program Contract held by the applicant for non-compliance or cause?	-100
		Maximum Points:	Total Points
			545