

Natural Resources Conservation Service

Application Ranking Summary
FY13 On-Farm Energy

Program: EQIP 2008	Ranking Date:	Application Number:
Ranking Tool: FY13 On-Farm Energy	Applicant:	
Final Ranking Score:	Address:	
Planner:	Telephone:	
Farm Location:		

National Priorities Addressed

Issue Questions	Responses
If the application is for 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 national priority category.	
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 Point(s)
Clean and Abundant Water: Water Quality - Will the proposed project assist the producer to:	
2. a. Meet regulatory requirements relating to animal feeding operations, or proactively avoid the need for regulatory measures?	15 Point(s)
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 Point(s)
2. c. Reduce sediment, nutrients or pesticides from agricultural operations located within a field that adjoins a "non-impaired water body"?	5 Point(s)
Clean and Abundant Water: Water Conservation - Will the proposed project assist the producer implement conservation practices which:	
3. a. Decrease aquifer overdraft?	15 Point(s)
3. b. Conserve water from irrigation system improvements and saved water will be available for other beneficial uses?	10 Point(s)
3. c. Conserve water in an area where the applicant participates in a geographically established or watershed-wide project?	5 Point(s)

Clean Air: Treatment of air quality from agricultural sources - Will the proposed project assist the producer to implement practice(s) which:	
4. a. Meet on-farm regulatory requirements relating to air quality or proactively avoid the need for regulatory measures?	15 Point(s)
4. b. Reduce on-farm generated green house gases such as CO2 (Carbon Dioxide), CH4 (Methane), and N2O (Nitrous Oxide)?	15 Point(s)
4. c. Increase on-farm carbon sequestration?	5 Point(s)
Soil Health: Will the proposed project assist the producer to implement practice(s) which:	
5. a. Reduce erosion to tolerable limits (Soil "T")?	15 Point(s)
5. b. Improve soil tilth, organic matter, structure, health, etc.?	5 Point(s)
Healthy Plant and Animal Communities Wildlife Habitat Conservation - Will the proposed project assist the producer to implement practice(s) which:	
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 Point(s)
6. b. Help retain wildlife and plant habitat on land exiting the Conservation Reserve Program (CRP)?	10 Point(s)
High Quality, Productive Soils, Healthy Plant and Animal Communities: Will the proposed project assist the producer implement practices which:	
7. a. Help manage or control noxious or invasive plant species on non-cropland?	10 Point(s)
7. b. Increase, or improve habitat to benefit pollinator or other targeted wildlife species?	10 Point(s)
7. c. Properly dispose of livestock carcasses?	5 Point(s)
7. d. Are identified in an Integrated Pest Management plan?	10 Point(s)
7. e. Are identified in a Nutrient Management plan?	10 Point(s)
7. f. Apply principles of adaptive nutrient management?	5 Point(s)
Energy Conservation - Will the proposed project assist the producer to implement practices which:	
8. a. Reduce energy consumption on the agricultural operation?	15 Point(s)
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 Point(s)

8. c. Assist in implementing energy conservation measures that also reduce greenhouse gas emissions and other air pollutants?	10 Point(s)
Business Lines - Conservation Implementation Additional Ranking Considerations - Will the proposed project result in:	
9. a. Implementation of all conservation practices scheduled in the contract on the CPA-1155 within three years of date of obligation?	10 Point(s)
9. b. Improvement of existing conservation practices or conservation systems already in place at the time the application is accepted?	5 Point(s)
9. c. Implementation of practice(s) which will complete an existing conservation system or suite of practices?	5 Point(s)

State Issues Addressed

Issue Questions	Responses
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 Point(s)
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 Point(s)
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 Point(s)
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 Point(s)
3. b VENTILATION components (fans, control systems, variable drives, humidity control)?	10 Point(s)
3. c REFRIGERATION components (compressor, evaporator/chiller, motor, insulation)?	10 Point(s)
3. d MILK HARVESTING components (pumps, motors, controllers)?	10 Point(s)
3. e CONTROLLERS components (master system automation)?	10 Point(s)
3. f OTHER MOTORS/PUMPS components (types, compressors)?	10 Point(s)
3. g AIR HEATING/BUILDING ENVIRONMENT components (heater, insulation, recovery, variable drives)?	10 Point(s)
3. h DRYING components (air flow, handling equipment)?	10 Point(s)
3. i WASTE HANDLING components (collection and dispersal equipment/methods)?	10 Point(s)
3. j AIR COOLING components (airflow, control systems, evaporative)?	10 Point(s)
3. k WATER MANAGEMENT components (wells, reservoir, recycled)?	10 Point(s)
3. l IRRIGATION components (motors/engines, pumps)?	10 Point(s)
3. m AGRICULTURAL PRACTICES that use more energy efficient engine driven equipment (i.e., planting, tilling, harvesting, etc.)?	10 Point(s)
3. n CROP/FEED STORAGE components?	10 Point(s)
3. o MATERIAL HANDLING (equipment, motors, pumps) components?	10 Point(s)
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 Point(s)
4. b Application includes two core or supporting conservation practice offered in the Initiative.	15 Point(s)
4. c Application includes one core or supporting conservation practice offered in the Initiative.	10 Point(s)
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 Point(s)
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 Point(s)
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 Point(s)

Local Issues Addressed

Issue Questions	Responses
1. Is the application for development of a Conservation Activity Plan (CAP) for a TSP prepared Agricultural Energy Management Plan (122 or 124)? If the answer is 'Yes', do not answer any other local issue questions. If the answer is 'No' proceed with evaluation.	250 Point(s)
2. Select Question 2 or 3. Contract will result in converting 100% of all diesel pumping plants to renewable technologies (solar or wind) pumping plants with automatic shutoffs to minimize wasted water. 75 Pts	75 Point(s)
3. Contract will result in converting convert minimum of 50% of all diesel pumping plants to renewable technologies (solar or wind) pumping plants with automatic shutoffs to minimize wasted water. 50 Pts	50 Point(s)
4. Select Question 4, 5 or 6- Applicant will convert from conventional tillage to practice 329, 345 or 346 on 100% of the cropland. 75 Pts	75 Point(s)
5. Applicant will convert from conventional tillage to practice 329, 345 or 346 on 67% of the cropland. 50 Pts	50 Point(s)
6. Applicant will convert from conventional tillage to practice 329, 345 or 346 on 33% of the cropland. 25 Pts	25 Point(s)
7. Applicant agrees to conduct an energy audit using NRCS standards and specifications within two years from date of contract approval. Audit could be through the AgEMP CAP (separate contract required) or independent audit that meets the ASABE S612 On-Farm energy audit standard) 75 Pts	75 Point(s)
8. Applicant agrees to implement all planned practices within two years of date of contract approval. 25 Pts	25 Point(s)
9. Applicant has had prior Farm Bill program contract terminated due to non-compliance. -50 Pts	-50 Point(s)

Land Use:

Crop;
Grazed Range;
Headquarters;
Pasture;

Resource Concerns	Practices
Energy: Inefficient Energy Use - Equipment and Facilities	Ag Energy Mgt. Plan, Landscape Written
Energy: Inefficient Energy Use - Equipment and Facilities	Ag. Energy Mgt. Plan, HDQ Written
Energy: Inefficient Energy Use - Equipment and Facilities	FARMSTEAD ENERGY IMPROVEMENT
Energy: Inefficient Energy Use - Equipment and Facilities	Pumping Plant
Energy: Inefficient Energy Use - Equipment and Facilities	Windbreak/Shelterbelt Establishment
Energy: Inefficient Energy Use – Farming / Ranching Practices and Field Operations	Ag Energy Mgt. Plan, Landscape Written
Energy: Inefficient Energy Use – Farming / Ranching Practices and Field Operations	Ag. Energy Mgt. Plan, HDQ Written
Energy: Inefficient Energy Use – Farming / Ranching Practices and Field Operations	Conservation Cover
Energy: Inefficient Energy Use – Farming / Ranching Practices and Field Operations	Conservation Crop Rotation
Energy: Inefficient Energy Use – Farming / Ranching Practices and Field Operations	Cover Crop
Energy: Inefficient Energy Use – Farming / Ranching Practices and Field Operations	Irrigation Reservoir
Energy: Inefficient Energy Use – Farming / Ranching Practices and Field Operations	Irrigation Water Management
Energy: Inefficient Energy Use – Farming / Ranching Practices and Field Operations	Pumping Plant
Energy: Inefficient Energy Use – Farming / Ranching Practices and Field Operations	Residue Mgmt, Mulch Till
Energy: Inefficient Energy Use – Farming / Ranching Practices and Field Operations	Residue Mgmt, Ridge Till
Energy: Inefficient Energy Use – Farming / Ranching Practices and Field Operations	Residue Mgmt-No-Till/Strip Till/Direct S

Ranking Score

Efficiency: Local Issues: State Issues: National Issues: Final Ranking Score:
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This ranking report is for your information. It does not in any way guarantee funding. When funding becomes available, you will be notified if your application is selected for funding. Some changes to the application may be required before a final contract is awarded.

Notes:

NRCS Representative:	Applicant Signature Not Required on this report for Contract Development unless required by State policy:
Signature Date:	Signature Date: