

On-Farm Energy
2016 Kentucky Environmental Quality Incentives Program (EQIP)
Application Field Ranking Worksheet
Eligible Practices

Code	Practice Name	Resource Concern (s)	Planned Amount	Tract/Field
128	Agricultural Energy Management Plan			
672	Building Envelope Improvement			
374	Farmstead Energy Improvement			
449	Irrigation Water Management			
670	Lighting System Improvement			
533	Pumping Plant			

Eligible Resource Concerns

ID#	Resource Concern
1	Inefficient Energy Use: Equipment and Facilities
2	Inefficient Energy Use: Farming/Ranching Practices and Field Operations

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National Questions

1	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.		
1a	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.	Yes	No
2	Water Quality Degradation – Will the proposed project improve water quality by: (select all that apply)		
2a	Implementing the practices in a Comprehensive Nutrient Management Plan (CNMP)?	Yes	No
2b	Implementing the practices in a Nutrient Management Plan (NMP)?	Yes	No
2c	Reducing impacts from sediment, nutrients, salinity, or pesticides on land adjoining a designated "impaired water body" (TMDL, 303d listed waterbody, or other State designation)? (Always answer no for SHT application)	Yes	No
2d	Reducing the impacts from sediment, nutrients, salinity, or pesticides in a "non-impaired" water body? (Always answer no for SHT application)	Yes	No
2e	Implementing practices that improve water quality through animal mortality and carcass management? (Yes, if Animal Mortality Facility (316) is planned)	Yes	No
3	Water Conservation - Will the proposed project conserve water by: (select all that apply)		
3a	Implementing irrigation practices that reduce aquifer overdraft? (Always no)		No
3b	Implementing irrigation practices that reduce on-farm water use? (Yes, if implementing practices identified in a certified Irrigation Water Management Plan - 118)	Yes	No
3c	Implementing practices in an area where the applicant participates in a geographically established or watershed-wide project? (Always no)		No
3d	Implementing practices that reduce on-farm water use as a result of changing to crops with lower water consumptive use, the rotation of crops, or the modification of cultural operations? (Yes, if implementing practices identified in a certified Irrigation Water Management Plan (118)	Yes	No
4	Air Quality - Will the proposed project improve air quality by: (select all that apply)		
4a	Meeting on-farm regulatory requirements relating to air quality or proactively avoid the need for regulatory measures? (Always no)		No
4b	Implementing practices that reduce on-farm emissions of particulate matter (PM2.5, PM10)? (Always no)		No
4c	Implementing practices that reduce on-farm generated greenhouse gases such as carbon dioxide (CO ₂), Methane (CH ₄), and Nitrous Oxide (N ₂ O)? (Yes for Organic Certified or Transitioning to Organic as well as On-Farm Energy applicants.)	Yes	No
4d	Implementing practices that increase carbon sequestration?(Yes if planning 340, 612, 666, 422, 380, 381, or native grass 327, 512, 386, 390, 643, or 391)	Yes	No

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5	Soil Health - Will the proposed project improve soil health by: (select all that apply)		
5a	Reduce erosion to tolerable limits (Soil T)? (Field must be above T and practice(s) takes to "T" or below. Must be supported with RUSLE2. Always answer yes for SHT application)	Yes	No
5b	Increasing organic matter and carbon content, and improving soil tilth and structure? (Yes, when Cover Crop 340 is included for Soil Health)	Yes	No
6	Wildlife Habitat - Will the proposed project improve wildlife habitat by: (select all that apply)		
6a	Implementing practices benefitting threatened and endangered, at-risk, candidate, or species of concern?(Refer to NRCS T&E Species by County list and Practice Effects Document located in Section II of eFOTG. Also, Yes if Forest Stand Imp 666 or Brush Mgt 314 is planned in the Forestland Bird Conservation Area or when the following are planned in the Grassland Bird Conservation Area - Conservation Cover, Field Border, Hedgerow Planting, Tree/Shrub Est-Shrub planting only, and points may be awarded when native grasses are used for a Riparian Herb Cover or Forage and Biomass Planting.)	Yes	No
6b	Implementing practices that retain wildlife habitat on land exiting the Conservation Reserve Program (CRP) or other set-aside program? (Examples would be 612, 327, 386, and 390 when wildlife beneficial vegetation is being planned)	Yes	No
6c	Implementing practices benefitting honey bee populations or other pollinators? (Yes, if native forbs or shrubs/trees are being established, or if 643, 390, 666, or 314 is planned)	Yes	No
6d	Implementing land-based practices that improve habitat for aquatic wildlife? (Yes, if 658 is planned)	Yes	No
7	Plant and Animal Communities: Will the proposed project improve plant and animal communities? (select all that apply)		
7a	Implementing practices that result in the management control of noxious or invasive plant species on non-cropland? (Yes if practice(s) help treat invasive plant species on list located at http://www.se-eppc.org/ky/list.htm . Ex: 666 and 314 that address bush honeysuckle or tree of heaven or 512 that converts endophyte infected tall fescue.)	Yes	No
7b	Implementing practices in an Integrated Pest Management Plan (IPM)?	Yes	No
8	Energy Conservation - Will the proposed project reduce energy by: (select all that apply)		
8a	Reduce on-farm energy consumption? (Yes, if 374, 672, 670, 472, 327, 386, 390, 412, 422, 329, 380, 391, 381, or 612 is planned. Also, yes when Fence 382 is planned that includes a solar charger or if 512 is planned to convert cropland to pastureland or hayland.)	Yes	No
8b	Implementing practice(s) identified in an approved AgEMP or energy audit, which meets ASABE S612 criteria? (Yes, when 374, 672 or 670 is planned)	Yes	No
9	Business Lines – Will the practices to be scheduled in the "EQIP Plan of Operations" result in:		
9a	Enhancement of existing conservation practice(s) or conservation system already in place at time the application is received? (Answer yes if the planned practices will improve an existing conservation practice or complete an existing conservation system. See Guidance Document for examples)	Yes	No

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State Questions

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 priority category.		
1a	Is the program application to support the development of a TSP prepared Conservation Activity Plan (CAP)? 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. (Self-explanatory)	Yes	No
2	With regard to applications containing energy efficiency practices (answer <u>one</u> of the following):		
2a	The application contains two or more core practices. (All eligible practices in KY are considered core practices)	Yes	No
2b	The application contains at least one core practice and additional supporting practices.	Yes	No
2c	The application contains only supporting practices.	Yes	No
3	Water Conservation: Will the proposed project conserve water by (select all that apply):		
3a	Implementing irrigation practices that reduce energy and reduce aquifer overdraft?	Yes	No
3b	Implementing energy practices that recycle or reuse water?	Yes	No
4	Air Quality: Will the proposed project improve air quality by (answer <u>one</u> of the following):		
4a	Implementing energy practices that have been evaluated to reduce on-farm generated carbon dioxide (CO ₂) by 100,000 pounds or more?	Yes	No
4b	Implementing energy practices that have been evaluated to reduce on-farm generated carbon dioxide (CO ₂) by at least 75,000 pounds but less than 100,000 pounds?	Yes	No
4c	Implementing energy practices that have been evaluated to reduce on-farm generated carbon dioxide (CO ₂) by at least 50,000 pounds but less than 75,000 pounds?	Yes	No
4d	Implementing energy practices that have been evaluated to reduce on-farm generated carbon dioxide (CO ₂) by at least 25,000 pounds but less than 50,000 pounds?	Yes	No
4e	Implementing energy practices that have been evaluated to reduce on-farm generated carbon dioxide (CO ₂) by at least 10,000 pounds but less than 25,000 pounds?	Yes	No
4f	Implementing energy practices that have been evaluated to reduce on-farm generated carbon dioxide (CO ₂) by less than 10,000 pounds?	Yes	No
5	Use the "Energy Cost Efficiency Worksheet" to calculate the estimated energy cost efficiency value for the conservation practices in the EQIP Plan/Schedule of Operations. Answer <u>one</u> of the following questions:		
5a	Is the estimated energy cost efficiency 50 percent or more?	Yes	No
5b	Is the estimated energy cost efficiency between 30 and 50 percent?	Yes	No
5c	Is the estimated energy cost efficiency less than 30 percent?	Yes	No

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Local Issues

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 priority category.		
1a	Is the program application to support the development of a Conservation Activity Plan (CAP)? If answer is "Yes", do not answer any other local level questions. If answer is "No", proceed with evaluation to address the remaining questions in this section.	Yes	No
2	Answer "Yes" or "No" to the following questions (Answer "Yes" to one or the other, but not both):		
2a	EQIP plan schedule of operations provides for implementation of all funded practices within two years or less.	Yes	No
2b	EQIP plan schedule of operations provides for implementation of all funded practices within three years or less.	Yes	No

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Certification and Signatures

I am submitting this Environmental Quality Incentives Program (EQIP) application to NRCS for consideration. I understand that any practice started prior to an application being selected for funding and approved as a contract is not eligible for EQIP funding.

The conservation practices, quantity, and field numbers listed on page 1 of this field inventory worksheet are the extent for practices planned for financial assistance through this EQIP application.

Signature of Applicant and Date

Signature of NRCS Representative and Date