

Ranking Category – WATER QUANTITY

Primary Resource Concerns –

- Water Quantity – Inefficient Water Use on Irrigated Land
- Water Quantity – Aquifer Overdraft
- Water Quantity – Insufficient Flows in Water Courses

Secondary Resource Concern –

- Fish and Wildlife – Threatened and Endangered Species, Declining Species, Species of Concern (Arkansas Darter, Arkansas River Shiner, Bald Eagle, Eastern Spotted Skunk, Greater Prairie Chicken, Lesser Prairie Chicken, Neosho Madtom, Neosho Mucket Mussel, Northern Bobwhite Quail, Topeka Shiner)

Eligible Land Uses –

- Crop, Hay, Pasture

Additional Requirements for this Category –

- The Kansas Environmental Quality Incentives Program (EQIP) Self-Assessment Worksheet will be completed and signed by the applicant prior to the evaluation period cut-off date to be considered for funding.
- If the land continues to be irrigated, producer must currently have or will install a functioning state-approved water measuring device to state installation specifications (Kansas Administrative Regulations (K.A.R.) 5-1-6) before financial assistance is received.
- If the land continues to be irrigated, producer will use an approved evapotranspiration (ET) based scheduling system.
 - o Producer will not exceed calculated ET by ten percent the first year of the contract, and will not exceed the calculated ET by five percent the remaining years of the contract.
- If the land continues to be irrigated, well capacity must be able to meet the seasonal Net Irrigation Requirement (NIR), with 50 percent chance rainfall, for the crop grown.
- If the land continues to be irrigated, the producer will stay within the certified rate, amount, and location of the existing water right at the time the EQIP contract is obligated.
- If the land continues to be irrigated, no end gun or similar appurtenances will be present or used on the pivot system for the lifespan of the system.
- Producer reports to the Division of Water Resources (DWR) or water districts will be used to determine the benchmark condition of net water savings. Producers will furnish reports from the previous five years to determine the average benchmark condition, and each year during the contract to ensure net water savings.

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State Issues –

If applicable, answer ONE of the following six questions describing your plan to obtain a net water savings in your agricultural operation. If none apply leave the answers “NO”:

- (1a) Producer will install a three-year crop rotation that will reduce their current water use by at least 50.0 percent, using their current irrigation system. The producer will also stay within a three year average of 1.5 years of the Net Irrigation Requirement (NIR) for corn (using 80 percent chance rainfall). (900 points)
- (1b) Producer will install a three-year crop rotation that will reduce their current water use by greater than or equal to 35.0 percent, but less than 50.0 percent, using their current irrigation system. The producer will also stay within a three year average of 1.95 years of the Net Irrigation Requirement (NIR) for corn (using 80 percent chance rainfall). (700 points)
- (1c) The entire unit of concern (100.0 percent) will be converted from irrigated to non-irrigated (STARTING with the first FULL cropping season of the contract) on the entire water right. Producer will install proper wellhead protection and will verify that water rights will not be used elsewhere. (500 points)
- (1d) Irrigation rating will be increased by at least 30 points. (300 points)
- (1e) Irrigation rating will be increased by 20 to 29 points. (200 points)
- (1f) Irrigation rating will be increased by 10 to 19 points. (100 points)

Answer the following question related to enrollment into a Water Rights Conservation Program (WRCP) contract with the State of Kansas:

- (2) The entire unit of concern (100.0 percent) will be enrolled into a WRCP contract with the State of Kansas for the duration of ten years, if the land is located in an eligible area. Applicant must sign a WRCP contract prior to receiving any EQIP payment and provide a copy of the WRCP to the Natural Resources Conservation Service (NRCS). (90 points)

Answer the following questions related to the at-risk species:

- (3) The point of diversion (well/water source) is located within an Arkansas Darter, Arkansas River Shiner, Bald Eagle, Eastern Spotted Skunk, Neosho Madtom, Neosho Mucket Mussel, and/or Topeka Shiner critical habitat area; acres will be converted from irrigated to non-irrigated; and the planned treatment will meet NRCS electronic Field Office Technical Guide (eFOTG) species habitat requirements. (5 points)

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- (4) Any part of the unit of concern is located within a greater prairie chicken, lesser prairie chicken, or northern bobwhite quail habitat area, and native grass and forbs will be planted according to the NRCS eFOTG standards and specifications on a minimum of 40.0 contiguous acres. (5 points)

If applicable, answer ONE of the following seven questions related to Kansas Water Plan Priority Groundwater Decline Areas (If the application has multiple wells, points will only be taken for the highest priority well). If none apply leave the answers “NO”:

- (5a) The point of diversion (well/water source) is located within a Kansas Water Plan Priority Groundwater Decline Area, Priority 1. (60 points)
- (5b) The point of diversion (well/water source) is located within a Kansas Water Plan Priority Groundwater Decline Area, Priority 2. (50 points)
- (5c) The point of diversion (well/water source) is located within a Kansas Water Plan Priority Groundwater Decline Area, Priority 3. (40 points)

If applicable, answer ONE of the following two questions related to Kansas Geological Survey (KGS) identified sensitive groundwater areas. If neither applies leave the answers “NO”:

- (6a) Greater than or equal to 50.0 percent of the unit of concern is located within a KGS identified sensitive groundwater area. (5 points)
- (6b) Any part of the unit of concern, but less than 50.0 percent, is located within a KGS identified sensitive groundwater area. (3 points)

If applicable, answer ONE of the following four questions related to Total Maximum Daily Loads (TMDL). If none apply leave the answers “NO”:

- (7a) Greater than or equal to 50.0 percent of the unit of concern is located within a Kansas Department of Health and Environment (KDHE) identified high priority TMDL watershed for eutrophication, dissolved oxygen, nutrients, and/or pesticides AND is targeted to meet the Environmental Protection Agency (EPA) Strategic Plan to improve water quality nationwide by 2012. (10 points)
- (7b) Any part of the unit of concern, but less than 50.0 percent, is located within a KDHE identified high priority TMDL watershed for eutrophication, dissolved oxygen, nutrients, and/or pesticides AND is targeted to meet the EPA Strategic Plan to improve water quality nationwide by 2012. (7 points)
- (7c) Greater than or equal to 50.0 percent of the unit of concern is located within a KDHE identified high priority TMDL watershed for eutrophication, dissolved oxygen, nutrients, and/or pesticides but is NOT a TMDL targeted to meet the EPA Strategic Plan. (5 points)

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- (7d) Any part of the unit of concern, but less than 50.0 percent, is located within a KDHE identified high priority TMDL watershed for eutrophication, dissolved oxygen, nutrients, and/or pesticides but is NOT a TMDL targeted to meet the EPA Strategic Plan. (3 points)

If applicable, answer ONE of the following two questions related to Kansas Source Water Assessment Areas. If neither applies leave the answers “NO”:

- (8a) Greater than or equal to 50.0 percent of the unit of concern is located within a Kansas Source Water Assessment Area. (5 points)
- (8b) Any part of the unit of concern, but less than 50.0 percent, is located within a Kansas Source Water Assessment Area. (3 points)

Answer the following question related to the proposed Pawnee-Buckner Intensive Groundwater Use Conservation Area:

- (9) Any part of the unit of concern is located in the proposed Pawnee-Buckner Intensive Groundwater Use Conservation Area. (5 points)

EACH of the following questions MUST BE ANSWERED "YES" in order for this application to be considered eligible for this ranking category:

- (10) The following requirements must be met: (1) The appropriate Kansas Self-Assessment Worksheet(s) has been completed, signed, and returned to NRCS by the applicant prior to the application evaluation period cut-off date; (2) If the land continues to be irrigated, producer must currently have or will install a functioning State approved water measuring device to State installation specifications (K.A.R. 5-1-6) before cost-share dollars are received; (3) If the land continues to be irrigated, well capacity must be able to meet the seasonal Net Irrigation Requirement, with 50 percent chance rainfall, for the crop grown; and (4) If the land continues to be irrigated, the producer will stay within the certified rate, amount, and location of the existing water right at the time the EQIP contract is obligated.
- (11) The following requirements must be met: (1) Producer reports to the Division of Water Resources or water districts will be used to determine the benchmark condition of net water savings. Producer has furnished reports from the previous five years to determine the average benchmark condition. Producer will provide these reports to NRCS each year during the contract to ensure net water savings; (2) If the land continues to be irrigated, producer will use an approved evapotranspiration (ET) based scheduling system. Producer will not exceed calculated ET by 10 percent the first year of the contract, and will not exceed calculated ET by 5 percent the remaining years of the contract; and (3) If the land continues to be irrigated, no end gun or similar appurtenances will be present or used on the pivot system for the lifespan of the system (15 years).