

Ranking Category – Agricultural Water Enhancement Program - Equus Beds GMD#2

**Primary Resource Concerns –**

- **Water Quantity – Inefficient Water Use on Irrigated Land**
- **Water Quantity – Aquifer Overdraft**

**Eligible Land Uses –**

- **Crop, Hay, Pasture**

**Additional Requirements for this Category –**

- **Must be located in designated project area (see attached map).**
- **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.**
- **On irrigated land, the well capacity must be able to meet the seasonal Net Irrigation Requirement (NIR), with 50 percent chance rainfall, for the crop grown.**
- **On irrigated land, the producer will stay within the certified rate, amount, and location of the existing water right at the time the Environmental Quality Incentives Program (EQIP) contract is obligated.**
- **On irrigated land, no end gun or similar appurtenances will be present or used on the pivot system for the lifespan of a system installed with financial assistance.**
- **State policy will be followed in determining land eligibility for irrigated land. See Kansas Supplement, Conservation Programs Manual (CPM), Part 512, Section KS515.52. National policy, CPM, Part 515, Section 515.80(A)(6), states that assistance received will facilitate a reduction in ground and surface water use on the agricultural operation.**

**State Issues –**

If applicable, answer ONE of the following four 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”:

- (1a) The point of diversion (well/water source) is located within a Kansas Water Plan Priority Groundwater Decline Area, Priority 1. (80 points)
- (1b) The point of diversion (well/water source) is located within a Kansas Water Plan Priority Groundwater Decline Area, Priority 2. (60 points)
- (1c) The point of diversion (well/water source) is located within a Kansas Water Plan Priority Groundwater Decline Area, Priority 3. (40 points)
- (1d) The point of diversion (well/water source) is located within a Kansas Water Plan Priority Groundwater Decline Area, Priority 4. (20 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":

- (2a) Greater than or equal to 50.0 percent of the unit of concern is located within a KGS identified sensitive groundwater area. (5 points)
- (2b) 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":

- (3a) 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)
- (3b) 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)
- (3c) 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)
- (3d) 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)

The following question MUST BE ANSWERED "YES" in order for this application to be considered eligible for this ranking category:

- (4) The following requirements must be met: (a) 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 financial assistance is received; (b) if the land continues to be irrigated, well capacity must be able to meet the seasonal NIR, with 50 percent chance rainfall, for the crop grown; (c) 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; and (d) 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). (1 point)

### **Local Issues –**

Answer one of the following questions related to Intensive Groundwater Use Control Areas (IGUCAs). If none apply, leave answers “NO”:

- (1a) All points of diversion are located in the McPherson IGUCA. (200 points)
- (1b) At least one point of diversion is located in the McPherson IGUCA. (100 points)

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

- (2a) Irrigation rating will be increased by at least 30 points. (30 points)
- (2b) Irrigation rating will be increased by 20 to 29 points. (20 points)
- (2c) Irrigation rating will be increased by 10 to 19 points. (10 points)