

WHAT DO YOU GET OUT OF IT?

Ability to walk through an evaluation on **up to two (2) systems** and receive a report that:

- evaluates the performance of the system
- details energy costs and projections
- identifies opportunities for improvement

After signing up, you can qualify for:

- **Up to \$500 per system** to be paid to you upon completing onboarding
- Evaluation of your System **at no cost to you**
- **Access to cost-share funding** after evaluation completion and review



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Onboarding Documents:



Funding for state cost-share programs is provided by the Division of Conservation, Kansas Department of Agriculture, through appropriation from the State Water Plan Fund

2025 IRRIGATION TECHNOLOGY INITIATIVE





ASSESSMENT PILLARS



PILLAR I: THE WELL

Static Water Level, Pumping Water Level, Specific Capacity (GPM/FT Drawdown), Well Depth, Driller's Logs, SWL @ Drilling, PWL @ Drilling, Screen Intervals



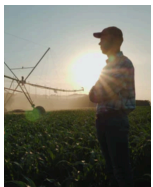
PILLAR II: THE PUMP

Intake Depth, Pump Test @ Drilling, GPM Flow Rate, Head Lift, PSI At Discharge Energy Use Per Hour, NPPPC Performance Standards, Overall Efficiency



PILLAR III: THE IRRIGATION SYSTEM

Sprinkler Package Design (WISH), GPM Flow Rate, Supply PSI, Application Uniformity Patterns



PILLAR IV: IRRIGATION WATER MANAGEMENT

Crop ET vs. Irrigation + Effective Rainfall, Spot Check Water Budget, Compare total Irrigation vs. Other Crops and Other Fields

ONBOARDING

The following information is expected to be gathered before scheduling an evaluation:

- **Elevations**
 - Measure the elevation at each well/pump, at the base of each pivot, and at the field low and high points at the end tower.
- **Sprinkler Package Design**
 - Design chart from the irrigation supply dealer (WISH, V-Chart, Z-Chart)
- **Kansas Geological Survey Information**
 - WIMAS Water Right Info, WWC5 Well Driller's Logs, WIZARD Water Level Measurement Data
- **Well and Pumping Plant Specifications**
 - Depth of Well, Depths of Pump Intake, Energy Type, Pump Assembly, and Design Specifications
- **PSI/Position Graph**
 - Water Pressure information from past and Current Years of Irrigation, sourced from pivot telemetry software (AgSense, FieldNet, AP, Etc.)
- **Annual Energy Use Reporting**
 - Annual Energy Report, Water Use Report, Diesel Usage, Natural Gas Usage, kWh Total, Total Cost of Energy
- **Yield Maps**
 - Historical Yield maps and cropping information for the current and past years
- **Satellite/Aerial Imagery**
 - Satellite imagery from current or previous crop during peak irrigation season, RGB, or NDVI
- **LEMA Allocations**
 - 5 YR LEMA Allocation
- **Location of Pressure Gauges**
 - Ideally with a 1/4" Isolation valve, at the pump discharge, before and after butterfly valves, at the base of the pivot or riser, and at the end tower
- **Location of Well Access for Water Level Measurement**



COST-SHARE

After completing the system evaluation, you are eligible for cost-share funding:

- **Up to \$3000 per system**
- **2 Systems Max or \$6000 per producer**

Eligible items for cost share will depend on needs identified during evaluation, but could include:

- Water Meter Monitoring Software Subscriptions
- Telemetry Packages that can include soil moisture probes as a part of the system
- Sprinkler Package Renovation, Re-Nozzle, Drops
- Air Line Water Depth Measurement Systems

