



Grant Progress Report

Irrigation Resource Conservation Partnership 2023

Grant Title: 2023 - Irrigation Resource Conservation Partnership (Otter Tail, East SWCD)

Grant ID: P23-1461

Grant Award (\$): \$410,000.00

Grant Execution Date: 09/02/2022

Grantee: Otter Tail, East SWCD

Required Match (%): 0

Grant End Date: 12/31/2026

Fiscal Agent:

Required Match (\$): \$0.00

Grant Day-to-Day Contact: Darren Newville

	Total Budgeted	Total Spent	Balance Remaining*
Grant Funds	\$410,000.00	\$339,041.06	\$70,958.94
Match Funds	\$0.00	\$0.00	\$0.00
Other Funds	\$1,303.90	\$1,303.90	\$0.00
Total	\$411,303.90	\$340,344.96	\$70,958.94

*Grant balance remaining is the difference between the Awarded Amount and the Spent Amount. Other values compare budgeted and spent amounts.

Budget Details

Activity Name	Category	Source Type	Source Description	Budgeted	Spent	Balance Remaining	Match Fund?
Administration	Administration/Coordination	Current State Grant	2023 - Irrigation Resource Conservation Partnership (Otter T..	\$10,000.00	\$10,000.00	\$0.00	N
P23-1461-05 Moenedick	Groundwater	Current State Grant	2023 - Irrigation Resource Conservation Partnership (Otter Tail, East SWCD)	\$5,804.20	\$5,804.20	\$0.00	N
P23-1461-05	Groundwater	Other Funds	2025 - Conservation Contracts (Otter	\$1,303.90	\$1,303.90	\$0.00	N

Activity Name	Category	Source Type	Source Description	Budgeted	Spent	Balance Remaining	Match Fund?
Moenkedick			Tail, East SWCD)				
Cost-share	Groundwater	Current State Grant	2023 - Irrigation Resource Conservation Partnership (Otter T..	\$374,195.80	\$303,236.86	\$70,958.94	N
Technical Support	Technical/Engineering Assistance	Current State Grant	2023 - Irrigation Resource Conservation Partnership (Otter Tail, East SWCD)	\$20,000.00	\$20,000.00	\$0.00	N

Indicator Summary

Indicator Category	Proposed Indicator	Total Value	Unit	Indicator Category	Final Indicator	Total Value	Unit
				Water Pollution (Reduction Estimates)	Nitrogen	1088.88	Lbs/Yr
				Water Pollution (Reduction Estimates)	Nutrients (Nitrate)	6845.74	Lbs/Yr
				Water Pollution (Reduction Estimates)	Pathogens (E. Coli)	514.37	Cfu

Grant Activities

Activity Name: Administration	
Activity Category: Administration/Coordination	Staff time?: Yes
Description: EOT SWCD staff will be used for bookkeeping, reporting, staff management, reconciliations and audits (as required) and in accordance with BWSR's 2023 fiscal year grant policy and grant administration manual. Supplemental agreements with other LGUs accessing the funds will be used to track progress and distribute funds.	
Budget Details	

<u>Source Type</u>	<u>Source Description</u>	<u>Budgeted</u>	<u>Spent</u>	<u>Balance Remaining</u>	<u>Last Transaction Date</u>	<u>Match Fund?</u>
Current State Grant	2023 - Irrigation Resource Conservation Partnership (Otter T..	\$10,000.00	\$10,000.00	\$0.00	06/30/2025	N
Actual Results						
<u>Results</u>					<u>Date Added</u>	
No funds spent.					8/15/2022 12:53:17 PM	
No funds spent.					1/25/2024 8:58:01 AM	
No funds spent.					1/24/2025 10:11:06 AM	
Funds spent in 2025 for staff time used for bookkeeping, reporting, staff management, reconciliations and audits (as required) and in accordance with BWSR's grant policy and grant administration manual.					1/28/2026 3:26:06 PM	

Activity Name: Cost-share

Activity Category: Groundwater

Staff time?: No

Description: This grant funding will provide cost-share for groundwater protection related projects in the 20 county project area in association with the \$3.5 million USDA Irrigation Resource Conservation Partnership Program (RCPP) allocation received by Minnesota Department of Agriculture. The RCPP is focused on upgrading irrigation technology on existing irrigation systems to help producers better manage their irrigation to help protect our groundwater quality and quantity while maintaining a healthy crop. This will include the adoption of variable rate irrigation and soil moisture sensors.

Eligible projects will follow all limitations of the RCPP project and will be limited to land currently under irrigation and will include but are not limited to NRCS practice codes for Micro-irrigation Irrigation Systems (441), Sprinkler Systems (442), and Irrigation Water Management (449) and other NRCS practice codes components needed to fully adopt the more advanced irrigation practices. Associated practices including Residue and Tillage Management (329, 345), Cover Crops (340), and Nutrient Management (590) may be eligible as associated practices on eligible land as they also provide for groundwater protection.

Projects will be selected for funding by the RCPP committee and MDA using the priority ranking criteria set through the RCPP. Priority ranking will include the following location criteria.

- a. DWSMA >8 ppm
- b. DWSMA 5.4 - 8 ppm
- c. Township MDA >10 ppm
- d. Township MDA 5 - 10 ppm
- e. Township Testing <5 or not final testing
- f. DWSMA - All Other
- g. MDA's vulnerability map
- h. All other Irrigated Land

Cost-share contracts will be held by the SWCD where the practices are installed as outlined in the pooling agreements that will be used as part of this project.

Budget Details

<u>Source Type</u>	<u>Source Description</u>	<u>Budgeted</u>	<u>Spent</u>	<u>Balance Remaining</u>	<u>Last Transaction Date</u>	<u>Match Fund?</u>
Current State Grant	2023 - Irrigation Resource Conservation Partnership (Otter T..	\$374,195.80	\$303,236.86	\$70,958.94	12/17/2025	N

Actual Results

<u>Results</u>	<u>Date Added</u>
No funds spent.	8/15/2022 1:00:32 PM
Funds spent on pumping system, irrigation sprinkler system, and soil sensors so far. Continuing to work with our partners on pooling agreements for irrigation projects in partner counties.	1/25/2024 8:59:32 AM
Funds were spent on six additional projects in partner counties in 2024 for pumping systems, irrigation sprinkler systems, and soil sensors. These projects all submitted applications through the RCPP signup and were ranked high using the priority ranking criteria. These projects were projects that received federal funds and needed some state funding to get them to a 75% financial assistance level or projects that while they ranked out in the high priority category, were not selected for federal funding because federal RCPP financial assistance funds were exhausted.	1/24/2025 10:17:13 AM
Funds were spent on nine additional projects in partner counties in 2025 for low pressure conversions, irrigation sprinkler systems, and irrigation scheduling/irrigation water management.	1/28/2026 3:38:29 PM

Final Indicators

<u>Indicator</u>	<u>Total Value</u>	<u>Unit</u>
Nitrogen	1088.88	Lbs/Yr
Pathogens (E. Coli)	514.37	Cfu
Nutrients (Nitrate)	6845.74	Lbs/Yr

Activity Action Name:	P23-1461-01 Inwards	Activity Count: 1
Practice Type:	449 - Irrigation Water Management	Size/Units: 130 - Acres
TA Provider/JAA:	SWCD	Lifespan: 10 Years
Practice Description:	EOT project: low pressure conversion/vri	Install Date: 10/18/2023
		Mapped: Yes

Indicator Name	Units	Value	Calculation Tool	Waterbody
Nutrients (Nitrate)	Lbs/Yr	481	Other	groundwater

Activity Action Name:	P23-1461-02 Palubicki	Activity Count: 2
Practice Type:	449 - Irrigation Water Management	Size/Units: 130 - Acres
TA Provider/JAA:	SWCD	Lifespan: 10 Years
Practice Description:	EOT project: low pressure conversion	Install Date: 07/18/2023
		Mapped: Yes

Indicator Name	Units	Value	Calculation Tool	Waterbody
Nutrients (Nitrate)	Lbs/Yr	481	Other	groundwater

Activity Action Name:	2023.4.13-3.8 Oyster	Activity Count: 1
Practice Type:	449 - Irrigation Water Management	Size/Units: 121 - Acres
TA Provider/JAA:	SWCD	Lifespan: 3 Years
Practice Description:	Todd project: IWM, soil moisture sensor	Install Date: 09/01/2023
		Mapped: Yes

Indicator Name	Units	Value	Calculation Tool	Waterbody
Nutrients (Nitrate)	Lbs/Yr	447.7	Other	ground water

Activity Action Name:	CSC-20240313 Johanning	Activity Count: 1
Practice Type:	449 - Irrigation Water Management	Size/Units: 86 - Acres
TA Provider/JAA:	SWCD	Lifespan: 10 Years
Practice Description:	Hubbard project: 442 VRI Sprinkler system, 449 IWM	Install Date: 09/30/2024
		Mapped: Yes

Indicator Name	Units	Value	Calculation Tool	Waterbody
Nutrients (Nitrate)	Lbs/Yr	318.2	Other	ground water

Activity Action Name:	2024-05-01 Marthaler	Activity Count: 2
Practice Type:	449 - Irrigation Water Management	Size/Units: 150.9 - Acres
TA Provider/JAA:	SWCD	Lifespan: 3 Years
Practice Description:	Stearns project: IWM, VRI sprinkler, pumping plant, soil moisture sensors	Install Date: 10/24/2024
		Mapped: Yes

Indicator Name	Units	Value	Calculation Tool	Waterbody
Nutrients (Nitrate)	Lbs/Yr	558.33	Other	ground water

Activity Action Name:	P23-1461-Walsh	Activity Count: 1
Practice Type:	449 - Irrigation Water Management	Size/Units: 104 - Acres
TA Provider/JAA:	SWCD	Lifespan: 10 Years
Practice Description:	Kandiyohi project: IWM, VRI system, pump, moisture sensor	Install Date: 08/07/2024
		Mapped: Yes

Indicator Name	Units	Value	Calculation Tool	Waterbody
Nutrients (Nitrate)	Lbs/Yr	384.8	Other	ground water

Activity Action Name:	20240509-3.2 Krause	Activity Count: 3
Practice Type:	449 - Irrigation Water Management	Size/Units: 111 - Acres
TA Provider/JAA:	SWCD	Lifespan: 10 Years
Practice Description:	Todd project: IWM, pumping plant, moisture sensor	Install Date: 01/28/2025
		Mapped: Yes

Indicator Name	Units	Value	Calculation Tool	Waterbody
Nutrients (Nitrate)	Lbs/Yr	410.7	Other	ground water

Activity Action Name:	2024-05-02 Segaar	Activity Count: 1
Practice Type:	449 - Irrigation Water Management	Size/Units: 99 - Acres
TA Provider/JAA:	SWCD	Lifespan: 3 Years
Practice Description:	Stearns project: IWM, VRI system, pumping plant, soil probe	Install Date: 12/31/2024
		Mapped: Yes

Indicator Name	Units	Value	Calculation Tool	Waterbody
Nutrients (Nitrate)	Lbs/Yr	366.3	Other	ground water

Activity Action Name:	2023-04-02 Peterson	Activity Count: 1
Practice Type:	449 - Irrigation Water Management	Size/Units: 139.6 - Acres
TA Provider/JAA:	SWCD	Lifespan: 10 Years
Practice Description:	Sherburne project: IWM, VRI, pumping plant, soil moisture sensors	Install Date: 12/01/2024
		Mapped: Yes

Indicator Name	Units	Value	Calculation Tool	Waterbody
Nutrients (Nitrate)	Lbs/Yr	516.52	Other	ground water

Activity Action Name:	22IrigRCPP-02 Gades	Activity Count: 1
Practice Type:	449 - Irrigation Water Management	Size/Units: 72.4 - Acres
TA Provider/JAA:	NRCS	Lifespan:
Practice Description:	Swift SWCD vri irrigation project - waiting for further info for project.	Install Date: 03/20/2025
		Mapped: Yes

Indicator Name	Units	Value	Calculation Tool	Waterbody
Nitrogen	Lbs/Yr	267.88	Other	ground water

Activity Action Name:	25-RCPP-01 Meyer	Activity Count: 1
Practice Type:	449 - Irrigation Water Management	Size/Units: 79 - Acres
TA Provider/JAA:	SWCD	Lifespan: 15 Years
Practice Description:	Dakota SWCD low pressure conversion project, waiting for further project info.	Install Date: 11/05/2025
		Mapped: Yes

Indicator Name	Units	Value	Calculation Tool	Waterbody
Nitrogen	Lbs/Yr	292.3	Literature Value	ground water

Activity Action Name:	25-RCPP-02 Meyer	Activity Count: 1
Practice Type:	449 - Irrigation Water Management	Size/Units: 79 - Acres
TA Provider/JAA:	SWCD	Lifespan: 3 Years
Practice Description:	Dakota county irrigation water management	Install Date: 11/05/2025
		Mapped: Yes

Indicator Name	Units	Value	Calculation Tool	Waterbody
Nitrogen	Lbs/Yr	292.3	Literature Value	ground water

Activity Action Name:	2023-05-02 Schulzetenberg	Activity Count: 1
Practice Type:	449 - Irrigation Water Management	Size/Units: 111 - Acres
TA Provider/JAA:	SWCD	Lifespan: 10 Years
Practice Description:	Stearns project: IWM and soil moisture sensor	Install Date: 10/17/2023
		Mapped: Yes

Indicator Name	Units	Value	Calculation Tool	Waterbody
Nutrients (Nitrate)	Lbs/Yr	410.7	Other	ground water

Activity Action Name:	P23-1461-10 Seedorf	Activity Count: 1
Practice Type:	449 - Irrigation Water Management	Size/Units: 36 - Acres
TA Provider/JAA:	SWCD	Lifespan: 1 Year
Practice Description:	irrigation scheduler in the Otter Tail watershed	Install Date: 12/10/2025
		Mapped: Yes

Indicator Name	Units	Value	Calculation Tool	Waterbody
Nutrients (Nitrate)	Lbs/Yr	266.4	PTMApp - Priority Resource	ground water

Activity Action Name:	P23-1461-09 Seedorf	Activity Count: 1
Practice Type:	449 - Irrigation Water Management	Size/Units: 36 - Acres
TA Provider/JAA:	SWCD	Lifespan: 15 Years
Practice Description:	Irrigation water management, irrigation sprinkler system low pressure conversion	Install Date: 08/05/2025
		Mapped: Yes

Indicator Name	Units	Value	Calculation Tool	Waterbody
Nutrients (Nitrate)	Lbs/Yr	133.2	Other	ground water

Activity Action Name:	P23-1461-03 Benke			Activity Count: 3
Practice Type:	449 - Irrigation Water Management			Size/Units: 69.51 - Acres
TA Provider/JAA:	SWCD			Lifespan: 15 Years
Practice Description:	442 irrigation sprinkler system, low pressure conversion covering approximately 70 acres in the Otter Tail river watershed			Install Date: 10/15/2025
				Mapped: Yes

Indicator Name	Units	Value	Calculation Tool	Waterbody
Nitrogen	Lbs/Yr	72.24	PTMApp - Priority Resource	ground water

Activity Action Name:	P23-1461-04 Benke			Activity Count: 1
Practice Type:	449 - Irrigation Water Management			Size/Units: 69.51 - Acres
TA Provider/JAA:	SWCD			Lifespan: 1 Year
Practice Description:	irrigation scheduling on approximately 70 acres			Install Date: 10/15/2025
				Mapped: Yes

Indicator Name	Units	Value	Calculation Tool	Waterbody
Pathogens (E. Coli)	Cfu	514.37	PTMApp - Priority Resource	Ground water

Activity Action Name:	P23-1461-06 Moenkedick			Activity Count: 1
Practice Type:	449 - Irrigation Water Management			Size/Units: 121.9 - Acres
TA Provider/JAA:	SWCD			Lifespan: 1 Year
Practice Description:	irrigation scheduling in the Otter Tail river watershed			Install Date: 11/06/2025
				Mapped: Yes

Indicator Name	Units	Value	Calculation Tool	Waterbody
Nutrients (Nitrate)	Lbs/Yr	902.06	PTMApp - Priority Resource	Ground water

Activity Action Name:	P23-1461-08 Double D Farms	Activity Count: 1
Practice Type:	449 - Irrigation Water Management	Size/Units: 157.95 - Acres
TA Provider/JAA:	SWCD	Lifespan: 1 Year
Practice Description:	irrigation scheduling for 157.95 acres in the Otter Tail river watershed	Install Date: 11/12/2025
		Mapped: Yes

Indicator Name	Units	Value	Calculation Tool	Waterbody
Nutrients (Nitrate)	Lbs/Yr	1168.83	PTMApp - Priority Resource	Ground water

Activity Action Name:	P23-1461-07 Double D Farms	Activity Count: 1
Practice Type:	449 - Irrigation Water Management	Size/Units: 157.95 - Acres
TA Provider/JAA:	SWCD	Lifespan: 15 Years
Practice Description:	Irrigation sprinkler conversion in the Otter Tail River watershed	Install Date: 09/10/2025
		Mapped: Yes

Indicator Name	Units	Value	Calculation Tool	Waterbody
Nitrogen	Lbs/Yr	164.16	PTMApp - Priority Resource	ground water

Activity Name: P23-1461-05 Moenedick

Activity Category: Groundwater

Staff time?: No

Description: This grant funding will provide cost-share for one Sprinkler Systems (442) project with the \$3.5 million USDA Irrigation Resource Conservation Partnership Program (RCPP) allocation received by Minnesota Department of Agriculture. The RCPP is focused on upgrading irrigation technology on existing irrigation systems to help producers better manage their irrigation to help protect our groundwater quality and quantity while maintaining a healthy crop. This will include the adoption of variable rate irrigation and soil moisture sensors.

Eligible projects will follow all limitations of the RCPP project and will be limited to land currently under irrigation and will include but are not limited to NRCS practice codes for Micro-irrigation Irrigation Systems (441), Sprinkler Systems (442), and Irrigation Water Management (449) and other NRCS practice codes components needed to fully adopt the more advanced irrigation practices. Associated practices including Residue and Tillage Management (329, 345), Cover Crops (340), and Nutrient Management (590) may be eligible as associated practices on eligible land as they also provide for groundwater protection.

Projects will be selected for funding by the RCPP committee and MDA using the priority ranking criteria set through the RCPP. Priority ranking will include the following location criteria.

- a. DWSMA >8 ppm
- b. DWSMA 5.4 - 8 ppm
- c. Township MDA >10 ppm
- d. Township MDA 5 - 10 ppm
- e. Township Testing <5 or not final testing
- f. DWSMA - All Other
- g. MDA's vulnerability map
- h. All other Irrigated Land

Cost-share contracts will be held by the SWCD where the practices are installed as outlined in the pooling agreements that will be used as part of this project.

Budget Details

<u>Source Type</u>	<u>Source Description</u>	<u>Budgeted</u>	<u>Spent</u>	<u>Balance Remaining</u>	<u>Last Transaction Date</u>	<u>Match Fund?</u>
Current State Grant	2023 - Irrigation Resource Conservation Partnership (Otter Tail, East SWCD)	\$5,804.20	\$5,804.20	\$0.00	11/19/2025	N
Current State Grant	2025 - Conservation Contracts (Otter Tail, East SWCD)	\$1,303.90	\$1,303.90	\$0.00	11/19/2025	N

Actual Results

<u>Results</u>	<u>Date Added</u>
Funds spent to provide cost share for one irrigation sprinkler system.	1/28/2026 9:55:20 AM

Activity Action Name: P23-1461-05 Moenkedick	Activity Count: 1
Practice Type: 449 - Irrigation Water Management	Size/Units: 121.9 - Acres
TA Provider/JAA: SWCD	Lifespan: 15 Years
Practice Description: low pressure irrigation sprinkler system covering 121.9 acres in the Otter Tail river watershed	Install Date: 11/06/2025
	Mapped: Yes

Activity Name: Technical Support

Activity Category: Technical/Engineering Assistance

Staff time?: No

Description: Technical support provided by Central Lakes College to the Mille Lacs band for irrigation project.

Budget Details

<u>Source Type</u>	<u>Source Description</u>	<u>Budgeted</u>	<u>Spent</u>	<u>Balance Remaining</u>	<u>Last Transaction Date</u>	<u>Match Fund?</u>
Current State Grant	2023 - Irrigation Resource Conservation Partnership (Otter Tail, East SWCD)	\$20,000.00	\$20,000.00	\$0.00	06/30/2025	N

Actual Results

Results Date Added

Funds were spent for Central Lakes College to provide technical support to Mille Lacs band for irrigation project. 1/28/2026 3:41:05 PM