



Grant Progress Report

Water Quality and Storage Pilot Program 2022

Grant Title: Custer 7 & Sodus 32 Storage Projects - Lyon County, MN

Grant ID: C22-7759

Grantee: Lyon SWCD

Fiscal Agent: Lyon County

Grant Day-to-Day Contact: Anita Cauwels

Grant Award (\$): \$340,940.81

Required Match (%): 25

Required Match (\$): \$85,235.20

Grant Execution Date: 08/03/2022

Grant End Date: 12/31/2025

	Total Budgeted	Total Spent	Balance Remaining*
Grant Funds	\$340,940.81	\$297,421.92	\$43,518.89
Match Funds	\$85,245.20	\$18,379.78	\$66,865.42
Other Funds	\$0.00	\$0.00	\$0.00
Total	\$426,186.01	\$315,801.70	\$110,384.31

*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?
Admin	Administration/Coordination	Local Fund	In-kind contribution	\$10,274.01	\$1,136.84	\$9,137.17	Y
Storage Project	Agricultural Practices	Local Fund	Lyon County	\$57,728.25		\$57,728.25	Y
Storage Project	Agricultural Practices	Local Fund	CD 14	\$17,242.94	\$17,242.94	\$0.00	Y
Storage Project	Agricultural Practices	Current State Grant	Custer 7 & Sodus 32 Storage Projects - Lyon County, MN	\$232,195.43	\$228,846.75	\$3,348.68	N

<i>Activity Name</i>	<i>Category</i>	<i>Source Type</i>	<i>Source Description</i>	<i>Budgeted</i>	<i>Spent</i>	<i>Balance Remaining</i>	<i>Match Fund?</i>
Easements	Easements	Current State Grant	Custer 7 & Sodus 32 Storage Projects - Lyon County, MN	\$38,175.38		\$38,175.38	N
Engineering	Technical/Engineering Assistance	Current State Grant	Custer 7 & Sodus 32 Storage Projects - Lyon County, MN	\$70,570.00	\$68,575.17	\$1,994.83	N

Indicator Summary

<i>Indicator Category</i>	<i>Proposed Indicator</i>	<i>Total Value</i>	<i>Unit</i>
Water Pollution (Reduction Estimates)	Phosphorus (Est. Reduction)	172.46	Lbs/Yr
Water Pollution (Reduction Estimates)	Soil (Est. Savings)	492.75	Tons/Yr
Water Pollution (Reduction Estimates)	Sediment (Tss)	172.46	Tons/Yr

<i>Indicator Category</i>	<i>Final Indicator</i>	<i>Total Value</i>	<i>Unit</i>
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Grant Activities

Activity Name: Admin	
Activity Category: Administration/Coordination	Staff time?: No
Description: Administration of the grant by SWCD staff and Highway Department staff to implement storage projects. Staff workload will include permitting, wetland impact review, easement development and review, and landowner coordination efforts.	
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>
Local Fund	In-kind contribution	\$10,274.01	\$1,136.84	\$9,137.17	12/26/2023	Y
Actual Results						

Activity Name: Easements						
Activity Category: Easements					Staff time?: No	
Description: Portion of maximum easement payments based on 2018 RIM rates for crop and non-cropland. 18.17 acres of non-cropland and 5.06 acres of cropland will be eligible for easement payments. Easement will be perpetual and recorded on the property deed. The Sodus 32 flowage easements will be held by Lyon County and the Custer 7 flowage easements will be held by Lyon County Drainage Authority (County Ditch No. 14). Lands donated within the project footprint will be applied as match. Easement drafting, recording and title review expenses incurred by landowners and the SWCD will be expensed to the grant.						
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	Custer 7 & Sodus 32 Storage Projects - Lyon County, MN	\$38,175.38		\$38,175.38		N
Actual Results						

Activity Name: Engineering	
Activity Category: Technical/Engineering Assistance	Staff time?: No
Description: Bolton & Menk Inc. design the storage projects and provide construction oversight, inspection and construction certification of each project. Specifically, Shaun Luker, P.E. License No. 48756 and Duane Hansel, P.E. License No. 14972 will be the project engineers through Bolton & Menk Inc. Lyon County Highway Engineer Aaron VanMoer, P.E. License No. 50428 will provide construction oversight and inspection of the 230th Ave road raise and road embankment protection.	
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	Custer 7 & Sodus 32 Storage Projects - Lyon County, MN	\$70,570.00	\$68,575.17	\$1,994.83	11/15/2024	N
Actual Results						
Expenses associated with Soil Technologies soil boring and reporting: \$10,231.50 for Sodus 32 dam and \$8,872.50 for Custer 7 dam.						

Activity Name: Local Contribution	
Activity Category: Technical/Engineering Assistance	Staff time?: No
Description: Technical/Engineering Assistance, including but not limited too: permitting oversight, staff workload with landowner participation and project implementation, easement development.	
Actual Results	

Activity Name: Storage Project	
Activity Category: Agricultural Practices	Staff time?: No
Description: Storage to be achieved through three grade stabilization structures, including: Sodus 32 embankment, Custer 7 embankment, and 230th Ave road raise and armoring. All structures will meet NRCS standards and specifications for grade stabilization structure. The Lyon County Highway Department will contribute 510 tons of aggregate surfacing for 230th Ave, blading/leveling and traffic control as match for the project. Landowner's and/or land operators will be responsible for all storage component operation and maintenance requirements. The SWCD will conduct site spot checks to ensure storage components are functioning as designed.	
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>
Local Fund	Lyon County	\$57,728.25		\$57,728.25		Y
Current State Grant	Custer 7 & Sodus 32 Storage Projects - Lyon County, MN	\$232,195.43	\$228,846.75	\$3,348.68	11/15/2024	N
Local Fund	CD 14	\$17,242.94	\$17,242.94	\$0.00	12/10/2024	Y
Actual Results						