



LOWER MINNESOTA RIVER WATERSHED DISTRICT

November 2022 Administrator report
From: Linda Loomis, Administrator
To: LMRWD Board of Managers

In addition to items on the meeting agenda, the following District projects and issues were addressed during the month:

Other Work

Hennepin County Open Appointment

Hennepin County has opened applications for appointment to the LMRWD Board of Managers. The notice of the open appointment has been posted to the LMRWD website. Hennepin County will accept application until December 31, 2022. If you know of anyone that you think would be a good addition to the Board of Managers and that lives in the Hennepin County portion of the LMRWD.

Lower Minnesota River East One Watershed One Plan

On Friday, October 14th, the Technical Advisory Committee (TAC) was held in Jordan, at the offices of the Scott SWCD. I was not able to attend the meeting and no virtual options was provided. The steering committee that was scheduled for the same day was cancelled. The Advisory Committee was asked to comment on the "Land and Water Resources" section of the plan. Comments were due November 1st. The November meeting of the TAC was cancelled. However, the Steering Committee is scheduled to meet at 1:00 pm November 16, 2022. The October meeting of the Policy Committee was cancelled; however a meeting is scheduled for November 17, 2022 at 3:00 pm.

A survey was developed for TAC members to complete, to verify priority issues before presenting them to the Policy Committee.

Project website: [website](#).

Metropolitan Area Chloride Trends

The Metropolitan Council recently completed a region-wide Chloride Assessment. The work has been completed and the report and fact sheet can be accessed using the links below:

- [REGIONAL ASSESSMENT OF CHLORIDE IN SELECT TWIN CITIES METRO STREAMS \(1999 - 2019\)](#)
- [RISING CHLORIDE LEVELS IN LOCAL STREAMS](#)

Dakota County Landscaping for Clean Water

The Dakota County Soil & Water Conservation District manages a Landscaping for Clean Water Program. This program consists of an introductory class and then offer the option for participants to go on to design and install a project. The introductory class is offered at no cost and is open to the public whether or not the participant is a resident of Dakota County. The LMRWD requires all cost share applicants to take the introductory class. The Dakota SWCD provided a report on the 2022 program. The report is attached.

LMRWD Floodplain and Drainage Alteration Rule

At the October 2022 meeting, the City of Shakopee sent a letter to the LMRWD Board regarding the Floodplain and Drainage Alteration Rule. The City of Burnsville also addressed the Board asking the Board to consider aligning the LMRWD floodplain and drainage rule with FEMA and MN DNR rules. LMRWD staff has meetings scheduled with both cities in the next month. This is one issue that will be addressed with those cities and other cities as well.

Scott County Soil & Water Conservation District (SWCD) Cost Share Program

On November 2, 2022, Scott SWCD partners met to discuss the 2023 Cost Share Program in Scott County. The SWCD manages the Cost Share Program for the Scott Water Management Organization, the Prior Lake Spring Lake Watershed District and the LMRWD.

Moos Family Lecture Series – What is the Critical Zone?

Freshwater recently held a lecture on the Critical Zone - the zone at Earth's land surface extending from the top of the vegetation canopy to the depths of groundwater. Freshwater's recent focus has been on soil health. This lecture was interesting in that the speakers had research on the ability of soil to recover from intense agriculture. Freshwater does post the lectures on YouTube. It has not yet been made available, but Managers may find this lecture interesting in light of the agricultural drainage impact on the Minnesota River. The next event in the Moos Family Lecture series is scheduled for Spring 2023 and will also address the Critical Zone. This lecture series is free.

Peterson Wetland Bank

An update on this project is on the November meeting agenda. More information about the State's Wetland Bank Credits can be found on the [BWSR website](#).

Watershed Plan Projects

Gully Inventory and condition assessment: This project is complete and can be found on the LMRWD website. Project website: <http://lowermnriverwd.org/projects/mn-river-corridor-management-project>

Eden Prairie Area #3 Stabilization: An update on this project is on the November agenda. Project website: <http://lowermnriverwd.org/projects/mn-river-corridor-management-project>

East Chaska Creek: (Carver County Watershed Based Funding): This project is complete. The LMRWD still holds retainage on the project. Project website: <http://lowermnriverwd.org/projects/east-chaska-creek-bank-stabilization>

Schroeder Acres Park (Scott County Watershed Based Funding): The City of Savage has contacted the LMRWD and said they will have the reporting on this project completed soon. This is the last project under the 2019 Watershed Based Implementation Funding grant to be completed. Project website: <http://lowermnriverwd.org/projects/schroeder-acres-parkeagle-creek-sub-watershed-stormwater-study>

Shakopee Downtown BMP Retrofit (Scott County Watershed Based Funding): This project is complete, and the grant funds have been released. The final report has been posted to the LMRWD website. Project website: <http://lowermnriverwd.org/projects/targeted-bmps-downtown-shakopee>

PLOC (Prior Lake Outlet Channel) Restoration (Scott County Watershed Based Funding): This project is complete, and the grant funding has been released. The only project for which reporting has not been completed is the Schroeder's Acres Park Project done by the City of Savage. Project website: <http://lowermnriverwd.org/projects/prior-lake-outlet-channel-realignmentwetland-restorationhis>

Hennepin County Chloride Project (HHCI) (Hennepin County Watershed Based Funding): This project was submitted to MAWD for an award as Project of the Year. The award will be made at the Annual Conference that is scheduled to be in-person in Alexandria, December 1-3, 2022.

Minnesota River Watershed Chloride Project: An application was received from a private winter maintenance contractor to purchase brine equipment for roughly \$20,000. The project was approved by all the partners. A report on all the applications received under this grant is attached for the Board's information. This group consists of Riley Purgatory Bluff Creek WD, Nine Mile Creek WD, the LMRWD and the Richfield Bloomington WMO.

Vegetation Management Plan: No new information to report since the last update.

Sustainable Lake Management Plan: Trout Lakes: There is no new information to report since the last update.

Spring Creek Cost Share: There is no new information to share since the last report.
Project website: <http://lowermnriverwd.org/projects/spring-creek>

West Chaska Creek Re-meander: No new information to report since the update.
Project website: <https://storymaps.arcgis.com/stories/1695a2cf90b44ddba730aad399196405>

Seminary Fen Ravine Restoration Area C2: There is no new information on this project since the last update. The LMRWD is waiting for the City to take the next step. Here is a link to the [feasibility report](#).

MN River Corridor Plan: Young Environmental is developing a plan based on the input received.

Upcoming meetings/events

Managers are invited to attend any of these meetings. Most are free of charge and if not the LMRWD will reimburse registration fees.

- UMWA monthly meeting – Thursday, November 17, 2022, 12:00 noon Lilydale Pool & Yacht Club
- MAWD Annual Conference – December 1, through December 3, 2022, Alexandria, MN
- LMRWD Citizen Advisory Committee meeting – Tuesday, December 6, 2022, 9:00 am

2022 LANDSCAPING FOR CLEAN WATER PROGRAM SUMMARY

PROVIDING LANDOWNERS WITH THE SKILLS AND RESOURCES NEEDED TO PROTECT LOCAL WATER QUALITY AND PROVIDE HABITAT FOR POLLINATORS THROUGH THE INSTALLATION OF BEAUTIFUL RAINGARDENS, NATIVE GARDENS, AND NATIVE SHORELINE PLANTINGS.



2022 BY THE NUMBERS	
355	INDIVIDUALS PARTICIPATED IN INTRODUCTION CLASSES
176	PROJECTS DESIGNED AS PART OF VIRTUAL DESIGN WORKSHOPS
39	RAINGARDENS & NATIVE GARDENS & SHORELINES INSTALLED
3	GRANT ROUNDS WITH 12 WEEK INSTALLATION TIMELINES
52	PEOPLE RECEIVED ONE-ON-ONE ASSISTANCE VIA ZOOM
93	INDIVIDUALS PARTICIPATED IN MAINTENANCE WORKSHOPS



Rusty-Patched
Bumble Bee
2021 LCW
Native Garden

"I loved having support to make sure I was completing the project correctly."

"It was a wonderful experience all around. Will recommend."

2022 LCW Participants



The Landscaping for Clean Water program - Introduction class, Design course, and Maintenance workshop - is offered remotely again in 2022.

2022 FINANCIAL CONTRIBUTORS



2022

LANDSCAPING FOR CLEAN WATER PROGRAM SUMMARY

Thank you to everyone who joined the cause to reduce pollution, improve water quality, and increase pollinator habitat on your property this year!

Participation at any level - watching the Introduction to Clean Water video, installing a project with the Design Course, or learning some tips and tricks on how to properly maintain your garden with the Maintenance Workshop series - helps to spread interest and know-how to all corners of Dakota County.

Summary of the 2022 participants by City

Apple Valley

Introduction class attendees	67
Projects designed	32
Installed raingardens	4
Installed native gardens	1
Installed Shoreline Planting	1

Burnsville

Introduction class attendees	44
Projects designed	32
Installed raingardens	4
Installed native gardens	3

Eagan

Introduction class attendees	56
Projects designed	24
Installed raingardens	4
Installed native gardens	1

Farmington

Introduction class attendees	12
Projects designed	1

Hastings

Introduction class attendees	12
Projects designed	5

Inver Grove Heights

Introduction class attendees	13
Projects designed	3
Installed raingardens	1
Installed native gardens	1

Lakeville

Introduction class attendees	39
Projects designed	23
Installed raingardens	2
Installed native gardens	3

Mendota Heights

Introduction class attendees	17
Projects designed	8
Installed raingardens	1
Installed native gardens	1

Rosemount

Introduction class attendees	34
Projects designed	18
Installed raingardens	1
Installed native gardens	1

South Saint Paul

Introduction class attendees	24
Projects designed	7
Installed raingardens	2

Sunfish Lake

Introduction class attendees	4
Projects designed	2

West Saint Paul

Introduction class attendees	18
Projects designed	11
Installed raingardens	4
Installed native gardens	1

Installed in partnership with Ramsey County

Raingardens—St. Paul	3
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Non-Dakota County Introduction Participant Cities

Bloomington, Dundas, Maplewood, Minneapolis, Saint Paul, Savage, Stillwater, Waite Park, Woodbury



2022 PARTNERS

Cities

- Apple Valley
- Burnsville
- Eagan
- Lakeville
- Rosemount
- South St Paul

Dakota County

Ramsey County



SIXTEEN YEARS OF CLEAN WATER ACCOMPLISHMENTS

Workshop Participants
2007-2022 **5,491**

Projects Completed
2007-2022 **705**

2022 LCW Numbers

Introduction to Clean Water – Via Zoom & Video

- 355 people attended via Zoom or via class video

City of Residence	Total	Via Zoom	Via Video
Apple Valley	67	36	31
Bloomington	3	1	2
Burnsville	44	32	12
Dundas	1	1	0
Eagan	56	32	24
Farmington	12	9	3
Hastings	12	8	4
Inver Grove Heights	13	7	6
Lakeville	39	28	11
Maplewood	1	1	0
Mendota Heights	17	8	9
Minneapolis	1	1	0
Rosemount	34	26	8
Savage	1	0	1
Saint Paul	5	5	0
South St Paul	24	7	17
Stillwater	1	1	0
Sunfish Lake	4	4	0
Waite Park	1	1	0
West St Paul	18	9	9
Woodbury	1	1	0
TOTAL	355	218	137

Design Course – Online Only in 2022

- 176 Registrations/Projects
- 45 Grant Applications Submitted / 39 Project Installed and Grants Paid

Year DC Registrants Took Intro Class			
2022	136	2018	2
2021	22	2017	2
2020	7	2014	1
2019	5	2009	1

Design Course Participants / Applications by Municipality				
Municipality	Number Registered	Submitted Applications	Withdrawn Applications	Grants Paid
Apple Valley	32	7	1	6
Burnsville	32	7	0	7
Eagan	24	5	0	5
Empire Township	1	0	0	0
Eureka Township	2	0	0	0
Farmington	1	0	0	0
Hastings	5	0	0	0
Inver Grove Heights	3	2	0	2
Lakeville	23	6	1	5
Mendota Heights	8	2	0	2
Randolph	2	1	1	0
Rosemount	18	4	2	2
Scott County	1	Ineligible		
Saint Paul (LMRWMO)	3	3	0	3
South St Paul	7	2	0	2
Sunfish Lake	2	0	0	0
West St Paul	11	6	1	5
Woodbury	1	Ineligible		
TOTALS	176	45	6	39

Design Course Participants / Applications by Watershed				
Watershed	Number Registered	Submitted Applications	Withdrawn Applications	Grants Paid
Black Dog	41	9	0	9
Eagan-Inver Grove Heights	24	5	0	5
Lower Minnesota River	1	1	0	1
Lower Mississippi River - Dakota	31	15	1	14
Lower Mississippi River - Ramsey	3	3	0	3
North Cannon River	2	1	1	0
South Washington	1	Ineligible		
Vermillion River	73	14	4	10
TOTAL	176	45	6	39

Zoom One-on-One Appointments

- 52 people registered for a Zoom One-on-One appointment
- 32 of those who had a zoom appointment submitted a grant application

Municipality	# of Zoom Appointments	Grant App Submitted
Apple Valley	5	5
Burnsville	13	5
Eagan	8	4
Hastings	1	0
Inver Grove Heights	1	1
Lakeville	8	5
Mendota Heights	2	1
Rosemount	6	4
Saint Paul	3	3
West St Paul	5	4
Totals	52	32

Maintenance Workshops

- 2 Maintenance Workshops via Zoom and available via Class Video

Workshop	Attended
Mar 24	38
Apr 25	32
Video	23
Total	93

By Municipality	Attended
Apple Valley	16
Bloomington	2
Burnsville	17
Cannon Falls	1
Eagan	10
Hastings	4
Inver Grove Heights	6
Lakeville	11
Maple Grove	4
Maplewood	1
Mendota Heights	7
Minneapolis	1
Rosemount	5
Saint Paul	2
South St Paul	2
Stillwater	2
Sunfish Lake	1
West St Paul	1
Total	93

2022 Landscaping for Clean Water Project Summary

2022 Landscaping for Clean Water Projects

Project ID	First	Last	City	Practice	Sq ft	Cost Est.
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Black Dog WMO

Total Available WS LCW Partner Funds	\$13,500
Landowner incentives	\$4,500
Technical Assistance	\$9,000

Grants Available	18
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Completed Projects	9
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Round 1

1	22-APV-053	Cindi	Dayus	Apple Valley	Raingarden	250	\$941.00
2	22-BNV-054	Megan	Dillman	Burnsville	Native Garden	150	\$460.00
3	22-BNV-055	LCW	Participant	Burnsville	Raingarden	113	\$920.00
4	22-BNV-056	Windy	Therior	Burnsville	Raingarden	150	\$1,081.00

Round 2

5	22-BNV-077	James	Adams	Burnsville	Native Garden	250	\$974.00
6	22-BNV-078	John & Kristen	Walker & Anderson	Burnsville	Native Garden	250	\$343.00
7	22-LKV-079	LCW	Participant	Lakeville	Native Garden	200	\$276.00

Round 3

8	22-APV-117	LCW	Participant	Apple Valley	Raingarden	160	\$826.00
9	22-BNV-116	Cyndee	Elumba	Burnsville	Raingarden	120	\$366.00

1,643 \$6,187.00

Total Projects
9

Avg. sf of Proj.
183

Average Cost
\$687

Project Type	Number
Raingarden	5
Native Garden	4

City	Raingarden	Native Garden
Apple Valley	2	0
Burnsville	3	3
Lakeville	0	1

2022 Landscaping for Clean Water Project Summary

2022 Landscaping for Clean Water Projects

Eagan - Inver Grove Heights WMO

Total Available WS LCW Partner Funds	\$9,000
Landowner incentives	\$3,000
Technical Assistance	\$6,000

Grants Available	12
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Completed Projects	5
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Project ID	First	Last	City	Practice	Sq ft	Cost Est.
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Round 1						
1	22-EAG-057	Andrew	Kirchman	Eagan	Raingarden	170 \$1,250.00
Round 2						
2	22-EGN-080	LCW	Participant	Eagan	Raingarden	160 \$579.00
3	22-EGN-081	LCW	Participant	Eagan	Raingarden	104 \$501.00
Round 3						
4	22-EGN-124	Kaylin	Wolf	Eagan	Raingarden	140 \$848.00
5	22-EGN-121	Deepa	Mathur	Eagan	Native Garden	120 800.00
					694	\$3,978.00

Total Projects
5

Avg. sf of Proj.
139

Average Cost
\$796

Project Type	Number
Raingarden	4
Native Garden	1

City	Raingarden	Native Garden
Eagan	4	1

2022 Landscaping for Clean Water Project Summary

2022 Landscaping for Clean Water Projects

Project ID	First	Last	City	Practice	Sq ft	Cost Est.
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Lower Mississippi River WMO

Total Available WS LCW Partner Funding	\$15,000
Landowner incentives	\$5,000
Technical Assistance	\$10,000

Grants Available	16
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Completed Projects	14
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Round 1

1	22-SSP-059	Timothy & Carole	Conama	South St Paul	Raingarden	192	1,265.00
2	22-WSP-061	Liz	Deziel	West St Paul	Native Garden	100	354.00
3	22-MDH-062	Emily	Smith	Mendota Heights	Native Garden	100	300.00
4	22-IGH-063	Jessi & Joe	Moryn	Inver Grove Heights	Native Garden	300	528.00
5	22-SSP-064	Nicole	Baudouin	South St Paul	Raingarden	130	250.00
6	22-WSP-065	Randi	Walz	West St Paul	Raingarden	250	590.00
7	22-STP-066	Amy	Bakkum	Saint Paul	Raingarden	175	582.00
8	22-STP-067	Larry	Blurton	Saint Paul	Raingarden	390	464.00
9	22-STP-068	Sarah	Hoffman	Saint Paul	Raingarden	175	539.00

Round 2

10	22-MDH-082	Charlotte	Moris	Mendota Heights	Raingarden	375	1,302.00
11	22-WSP-083	Steve	Gebauer	West St Paul	Raingarden	400	926.00
12	22-IGH-060	Steven & Nicole	Errante	Inver Grove Heights	Raingarden	100	750.00

Round 3

13	22-WSP-122	Janeen	McAllister	West St Paul	Raingarden	128	\$814.00
14	22-WSP-123	Jennifer	Shillcox	West St Paul	Raingarden	225	\$317.00

3,040 \$8,981.00

Total Projects
14

Avg. sf of Proj.
217

Average Cost
\$642

Project Type	Number
Raingarden	11
Native Garden	3

City	Raingarden	Native Garden
Inver Grove Heights	1	1
Mendota Heights	1	1
St Paul *	3	0
South St Paul	2	0
West St Paul	4	1

* Completed in partnership with Ramsey County SWCD

2022 Landscaping for Clean Water Project Summary

2022 Landscaping for Clean Water Projects

Vermillion River JPO

Total Available WS LCW Partner Funds \$18,750
 Landowner incentives \$6,250
 Technical Assistance \$12,500

Grants Available 25

Completed Projects 10

Project ID	First	Last	City	Practice	Sq ft	Cost Est.
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Round 1

1	22-LKV-069	LCW	Participant	Lakeville	Raingarden	100	\$733.00
2	22-LKV-070	Jennifer	Allen	Lakeville	Native Garden	240	\$462.00
3	22-APV-071	Craig	Long	Apple Valley	Raingarden	128	\$887.00

Round 2

4	22-APV-085	Dexter	Ellingson	Apple Valley	Native Garden	1400	\$2,394.00
5	22-ROS-086	Kate	Miller	Rosemount	Native Garden	118	\$323.00
6	22-APV-088	LCW	Participant	Apple Valley	Raingarden	100	\$669.00
7	22-LKV-091	Dana	Hallal	Lakeville	Raingarden	115	\$573.00
8	22-APV-090	Heather G	Handley	Apple Valley	Native Shoreline	320	\$2,800.00

Round 3

9	22-ROS-120	Wendy	Mandigo	Rosemount	Raingarden	280	\$552.00
10	22-LKV-119	Heather	Kurata	Lakeville	Native Garden	1800	\$612.00
						4,601	\$10,005.00

Total Projects	10
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Avg. sf of Proj.	460
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Average Cost	\$1,001
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Project Type	Number
Raingarden	5
Native Garden	4
Shoreline	1

City	Raingarden	Native Garden	Shoreline
Apple Valley	2	1	1
Lakeville	2	2	0
Rosemount	1	1	0

2022 Landscaping for Clean Water Project Summary

2022 Landscaping for Clean Water Projects

Lower Minnesota River WMO

Total Available WS LCW Partner Funds	\$4,500
Landowner incentives	\$1,500
Technical Assistance	\$3,000

Grants Available	6
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Completed Projects	1
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Project ID	First	Last	City	Practice	Sq ft	Cost Est.
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Round 1						
Round 2						
1	22-BNV-084	Britta	Christensen-Finck	Burnsville	Raingarden	130 \$1,053.00
Round 3						
					130	\$1,053.00

Total Projects
1

Project Type	Number
Raingarden	1

Avg. sf of Proj.
130

City	Raingarden
Burnsville	1

Average Cost
\$1,053

**2022
 Landscaping for Clean Water
 Project Summary**

2022 Landscaping for Clean Water Projects

North Cannon River WMO

Total Available WS LCW Partner Fund	\$2,250
Landowner incentives	\$750
Technical Assistance	\$1,500
Grants Available	3

Completed Projects

Project ID	First	Last	City	Practice	Sq ft	Cost Est.
Round 1						
Round 2						
Round 3						
					0	\$0.00

Organization	Contact	Application date	Description	Projected cost	Request	Grant award	Final Cost	Reimbursed	Reimbursed percent	Grant execution date	Reimbursement date
City of Chaska	Brent Alcott	2/4/2021	Segmented blade retrofit	\$ 12,230.00	\$ 9,784.00	\$ 9,784.00	\$ 12,824.42	\$ 9,618.32	75.0%	3/3/2021	9/1/2021
Eden Prairie Schools	Bert Windhorst	1/17/2022	Two granular salt spreaders (equip upgrade)	\$ 48,314.00	\$ 20,000.00	\$ 20,000.00	\$ 47,604.00	\$ 20,000.00	42.0%	2/11/2022	4/6/2022
City of Edina	Jessica Wilson	2/3/2022	Snow removal equipment to prevent icing	\$ 22,279.16	\$ 16,709.37	\$ 16,709.37	\$ -	\$ -		5/19/2022	
Edina Schools	Laurie Wilcox	3/11/2022	Snow removal and treatment	\$ 15,607.76	\$ 11,705.82	\$ 11,705.82	\$ 11,574.70	\$ 8,681.03	75.0%	5/19/2022	9/14/2022
Snow Removal Group LLC	Preston Kroska	9/7/2022	Snow removal and deicing equipment for 28th Ave Park & Ride in Bloomington	\$ 26,226.40	\$ 19,669.53	\$ 19,669.53				9/9/2022	
City of Eden Prairie	Lori Haak	10/11/2022	Weather station	\$ 42,371.00	\$ 20,000.00	\$ 20,000.00				11/2/2022	
SnowPros	Nate Granahan (primary contact)	10/26/2022	Brine applicator	\$ 19,698.00	\$ 15,000.00	PENDING					

Total requested	Total awarded
\$ 112,868.72	\$ 97,868.72

Total reimbursed
\$ 38,299.35

LMC Chloride Cost-Share Program

BUDGET \$ 197,209.00 BWSR funds 10% match

Maximum grant: Up to 75% of cost (\$20,000 max)

Budget remaining

Per awarded
\$ 99,340.28

Per reimbursed
\$ 158,909.65