



## Board of Managers Meeting Agenda

Wednesday - December 8<sup>th</sup>, 2021 - 3:00 p.m.

Held Remotely Online

1. Call Meeting to Order
  - 1.1 Public Comment / Introductions  
Audience members may address the Board regarding items not on the agenda. Please limit to three minutes.
  - 1.2 Approval of Agenda\* (Additions/Corrections/Deletions) Action
2. Approve October 13<sup>th</sup>, 2021 Meeting Minutes - Chair\* Action
3. Approve December 8<sup>th</sup>, 2021 Financial Summary & Invoices - Treasurer\* Action
4. FY 2022-23 Watershed Based Implementation Funding Presentation - SWCD Discussion
5. Review of Existing LMRWMO Goals, Strategies, and Policies - Barr\* Discussion
6. Set 2022 Meeting Schedule and Discuss Remote vs. In Person Meetings - SWCD\* Discussion/Action
7. Review and Provide Feedback on LMRWMO Website - SWCD Discussion
8. Review MN Water Stewards Application - SWCD\* Discussion/Action
9. Updates and Handouts
  - 9.1 Grant Tracking Update - Barr\* Information
  - 9.2 Watershed Plan Update Status - Barr\* Information
  - 9.3 TMDL Training Notes - SWCD Information
  - 9.4 Pine Bend Status Update - SWCD Information
  - 9.5 Other Updates / Member City Updates Information
10. Agenda Items for Next Meeting: January 12<sup>th</sup>, 2021 - Held Remotely
11. Adjourn

\*Materials included in full packet

\*\*Materials available separately on website:

[www.dakotacountyswcd.org/watersheds/lowermisswmo/agendas.html](http://www.dakotacountyswcd.org/watersheds/lowermisswmo/agendas.html)

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Remote Zoom Meeting Information on Following Page.

Please note, the December 8<sup>th</sup>, 2021 LMRWMO Board meeting will take place via teleconference by phone and/or the web-based application, Zoom, at 3:00 pm. Please visit the meeting listing below for instructions on how to participate.

### **LMRWMO December 8 Board Meeting**

**Time:** Dec. 8, 2021 03:00 PM Central Time (US and Canada)

#### **Join Zoom Meeting**

<https://dakotacountymn.zoom.us/j/98433602531?pwd=N0hBeXJNRldSb3ZONG5EUTMyY1JVZz09>

**Meeting ID:** 984 3360 2531

**Passcode:** 861999



## MEETING MINUTES

### Board of Managers Regular Meeting

October 13, 2021 - 3:00 p.m.

Meeting Held Remotely Online

#### **Managers and Alternates in Attendance:**

Sharon Lencowski, Chair - Inver Grove Heights  
Sheila Vanney, West St. Paul  
Michael Randle, South Saint Paul  
Tom Sutton, Lilydale

Karen Reid, Vice Chair - Saint Paul  
Julie Eastman, West St. Paul  
Jill Smith, Mendota Heights  
Dan Halvorsen, Sunfish Lake

#### **Advisors and Others in Attendance:**

Krista Spreiter, Mendota Heights  
Ross Beckwith, West St. Paul  
Tom Kaldunski, Inver Grove Heights  
Joe Barten, Dakota County SWCD

Pat Murphy, Saint Paul  
Sue Polka, South St. Paul  
Greg Williams, Barr Engineering

#### **1. Call Meeting to Order**

The meeting was called to order by Chair Lencowski at 3:00 pm.

##### **1.1 Public Comment / Introductions**

Audience members may address the Board regarding items not on the agenda.

##### **1.2 Approval of Agenda (Additions/Corrections/Deletions)**

**MOTION** by Smith to approve the agenda for the current meeting, second by Randle; Roll call approval by Lencowski, Reid, Randle, Vanney, Smith; motion passed.

#### **2. Approval of the September 8<sup>th</sup>, 2021 Meeting Minutes**

Lencowski asked if there were any changes to the previous meeting minutes.

**MOTION** by Reid to approve the previous meeting minutes, second by Randle; Roll call approval by Lencowski, Reid, Randle, Vanney, Smith; motion passed.

#### **3. Approval of the October 13<sup>th</sup>, 2021 Financial Summary & Invoices**

Spreiter summarized the information in the packet and recommended approval of the financial summary.

**MOTION** by Randle to approve the previous meeting minutes, second by Smith; Roll call approval by Lencowski, Reid, Randle, Vanney, Smith; motion passed.

#### **4. Review and Comment on Draft LMRWMO Website**

Barten provided a draft version of the updated LMRWMO website and asked for any comments to be sent directly to him. The updated and final version of the website will be complete by the end of November.

## **5. Review Draft 2022 SWCD/LMRWMO Work Plan and Budget**

Barten summarized the information in the packet and noted that the SWCD has served as the Administrator for over 20 years through this annual agreement for services. The Board discussed the proposed work plan and budget.

**MOTION** by Reid to approve the proposed 2022 SWCD work plan and budget and authorize the LMRWMO Chair to execute an agreement with the SWCD, second by Smith; Roll call approval by Lencowski, Reid, Randle, Vanney, Smith, Halvorsen, Sutton; motion passed.

## **6. Review of Existing LMRWMO Strategies and Policies**

Williams summarized the information in the packet. He went through the individual items in the policies and strategies document for consideration and asked for feedback. He noted that he will be editing the document further and presenting to the Board at the next meeting.

Spreiter noted that it would be helpful to ensure the LMRWMO requirements are not redundant with City MS4 requirements. She suggested noting how Cities will follow MS4 permit requirements vs. having specific language. There was discussion on thresholds for permits and standards in different Cities, as well as the potential for overlay areas, potentially in direct drainages for high value waterbodies, with a higher standard for stormwater treatment. Williams suggested having a separate document in the plan with performance standards, vs. having that within the plan. The Board discussed having a banking or credit system for stormwater improvements, perhaps this is tied into the overlay zone methodology.

Barten requested having Barr identify areas for potential overlay zones for Board consideration, based primarily on waterbody impairments. This could include both a lower standard for sites greater than 1 acre or having stormwater treatment standards apply for sites less than 1 acre. Spreiter noted she would support this approach. Murphy noted that this can be difficult in implementation and asked for it to be very clearly portrayed up front as to what standards apply in different areas. Murphy noted that the Capital Region WD has a more stringent standard and a pay in lieu of treatment program. He said they can have a difficult time in implementing regional projects with that funding from payment in lieu of treatment program, due to difficulty in long term operations and maintenance. He added that any increase in requirements carries administrative costs for inspections and oversight by the City.

## **7. Review Proposed Scope of Work for Pine Bend SNA**

Joe provided an update on the LMRWMO assisting the City of Inver Grove Heights, Dakota County, and MN DNR to seek resolution to the ravine erosion issues near the Pine Bend Scientific and Natural Area (SNA). Barten noted that Barr Engineering has provided a draft scope of work for engineering services. He will be convening a meeting with the other project stakeholders to see how they would like to proceed. The Board discussed the potential for the LMRWMO to contribute funds towards the proposed Barr work. Vanney suggested including pollutant reduction calculations into the final report and also requesting the Dakota County attorney draft an agreement for the work, if necessary. Williams will modify the proposal to include pollutant load calculations. Board members also suggested starting with the assumption that the other partners bare the majority of the cost. Barten will come back to the Board with more information and to enter into an agreement at a future meeting.

**MOTION** by Vanney to approve up to \$5,000 in LMRWMO funds towards the completion of the Barr study, second by Randle; Roll call approval by Lencowski, Reid, Randle, Vanney, Smith, Sutton; motion passed.

## **8. Updates and Handouts**

### **8.1 Watershed Plan Update Status**

Williams provided a brief update on items not already discussed.

## **8.2 Watershed Plan Extension Approval**

Barten noted that he received official approval of the plan extension from the MN Board of Water and Soil Resources.

## **8.3 FY-19 Watershed Based Implementation Funding Grant Extension**

Barten noted that he has received notification of approval for a one year grant extension to the Fiscal Year 2019 Watershed Based Implementation Funding grant, to now expire on Dec. 31<sup>st</sup> 2022.

## **8.4 Seidls Lake Grant Submittal**

Barten noted that he has not heard yet on the approval of funding for the grant.

## **8.5 MN Water Stewards Outreach**

Barten said that Barr staff were preparing a scope of work for the Board to review at a future meeting.

## **8.6 Final 2022 LMRWMO Budget**

Barten provided the final budget as approved at the previous Board meeting.

## **8.7 Grant Tracking Update**

Williams provided a summary.

## **8.8 Other Updates / Member City Updates**

Member City representatives provided updates on projects in their City.

## **9. Agenda Items for Next Meeting: November 10<sup>th</sup>, 2021 – Held Remotely**

## **10. Adjourn**

Meeting adjourned by Chair Lencowski at 5:00 pm.



**FINANCIAL SUMMARY**  
**October 14, 2021 to December 8, 2021**

Beginning Balance - Key Community Bank				\$230,157.64
Interest	9/30/2021	September Interest	+	\$10.65
	10/29/2021	October Interest	+	\$10.03
			+	
Deposits			+	

To be approved at this meeting:

**Key Community Bank:**

<b>Bank Fee</b>	10/29/2021	September & October 2021 Paper Statement Fee	-	\$4.00
<b>3732</b>	12/8/2021	Ramsey County	-	\$576.00
<b>3733</b>	12/8/2021	Dakota County Soil & Water	-	\$24,096.09
<b>3734</b>	12/8/2021	League of MN Cities Insurance Trust P & C	-	\$2,279.00
<b>3735</b>	12/8/2021	Barr Engineering	-	\$8,594.00
			-	

<b>Available Balance at Key Community Bank</b>	<b>\$194,629.23</b>
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**Gateway Bank Accounts:**

<u>Savings</u>			<i>Balance</i>	\$71,333.34
<b>Deposits</b>	<i>Interest</i>	10/30/2021		\$24.24
	<i>Interest</i>	11/30/2021	-	\$23.46
			<i>Ending Balance</i>	<b>\$71,381.04</b>
<u>Checking</u>			<i>Balance</i>	\$1,000.00
			<i>Ending Balance</i>	<b>\$1,000.00</b>

<b>Available Balance at Gateway Bank</b>	<b>\$72,381.04</b>
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<b>Available Balance - Key Community &amp; Gateway Banks</b>	<b>\$267,010.27</b>
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<b>4th Generation Plan Balance for 2021</b>	<b>\$50,000.00</b>
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\*Balance includes dedicated funds to 4th Generation Watershed Plan



## MEMORANDUM

**To:** Nancy Bauer  
**From:** Joe Barten, LMRWMO Administrator  
**Subject:** Lower Mississippi River - Financial Actions  
**Date:** October 27, 2021

Enclosed please find the following invoices for payment:

- Invoice #PRK-001966 dated 10/26/21 in the amount of \$576.00

This invoice is for design and technical assistance from Ramsey County Environmental Resources staff, for assistance with Landscaping for Clean Water Design Course participants that reside in the portion of LMRWMO within Ramsey County.

Thank you and please contact me with any questions.

Joe Barten  
Administrator  
Lower Mississippi River Watershed Management Organization

**Enclosed:** Ramsey County billing statements

**RAMSEY COUNTY****Parks and Recreation****INVOICE**

**Invoice No:** PRK-001966  
**Invoice Date:** 10/26/21  
**Page:** 1 of 1

**Please Remit To:**

Ramsey County  
90 Plato Blvd W  
PO Box 64097  
St Paul MN 55164-0097  
USA

**Customer Number:** 148510  
**Payment Terms:** Immediate  
**Due Date:** 10/26/21  
  
**AMOUNT DUE:** 576.00 USD

**Bill To:**

LOWER MISSISSIPPI RIVER WMO  
4100 220TH STREET WEST  
FARMINGTON MN 55024  
United States

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**Amount Remitted**

For billing questions, please call 651-748-2500

Original

Line	Identifier	Description	Quantity	UOM	Unit Amt	Net Amount
		Charges for Design and Technical Assistance 7/1/21 - 9/30/21 (detail attached).				
1		<b>Design &amp; Technical Services</b>	1.00	EA	576.00	576.00
		Invoice is due upon receipt. If you have any questions, please contact Ann WhiteEagle at 651-266-7270.				
		<b>Subtotal:</b>				576.00
		<b>Amount Due:</b>				576.00

***Please return the top portion of the invoice with your check payable to Ramsey County***



## Soil &amp; Water Conservation Division

2015 Van Dyke Street  
Maplewood, MN 55109  
Phone: 651-266-7270

DATE	10/12/2021
CUSTOMER	148510

## DETAIL

**BILL TO**

Lower Mississippi River WMO  
c/o Dakota County SWCD  
4100 220th Street West  
Farmington, MN 55024

DESCRIPTION	Hours	Rate	AMOUNT
			-
			-
Charges for Design and Technical Assistance			
7/1/21 - 9/30/21 (detail attached)			-
			-
			-
Brian Olsen, Environmental Resources Specialist			
Clean Water Workshops (12 hours max - balance 12 hours)		72.00	-
Landowner Coordination (6 hours max - balance 3 hours)	1.50	72.00	108.00
			-
Technical Assistance (36 hours max - balance 27.75 hours)	6.50	72.00	468.00
(Landscaping for Clean Water)			-
Technical Assistance (12 hours max - balance 12 hours)		72.00	-
(Drainage Issues or BMP project implementation oversight)			-
	TOTAL	\$	576.00

## OTHER COMMENTS

Make all checks payable to  
**Ramsey County**  
**90 Plato Blvd West**  
**St. Paul, MN 55107**

If you have any questions about this invoice, please contact  
Ann WhiteEagle • 651-266-7270 • [ann.whiteeagle@co.ramsey.mn.us](mailto:ann.whiteeagle@co.ramsey.mn.us)

***Thank You For Your Business!***

Ramsey County Soil Water Conservation Division: Environmental Resource Specialist

LMRWMO: Cost-Share Grant Program							
PIN	Project Name	Last	First	Address	City	Zip	Phone
72822310145	Olsen Residence	Olsen	Benjamin	332 Page Street W.	St. Paul	55107	
	Date	Owner	Description	Type	Hours	Notes	
	09-Aug-21	Resident	Project	Design/Planning	2.00	plant lists, email resident	
	29-Jul-21	Resident	Project	Phone/email	1.00	emails with resident, planting information	
					3.00		

PIN	Project Name	Last	First	Address	City	Zip	Phone
72822310146	Heisel	Heisel	Katie	340 Page Street W	St. Paul	55107	651-324-5840
	Date	Owner	Description	Type	Hours	Notes	
	23-Jul-21	Resident	Project	General/Office	0.50	site visit scheduling, admin	
	26-Jul-21	Resident	Project	Design/Planning	1.50	LCW map creation	
	28-Jul-21	Resident	Project	OnSite	2.00	conduct site visit, to/from site, visit prep	
	09-Aug-21	Resident	Project	Design/Planning	1.00	plant lists, email resident	
					5.00		

<b>Total Cost-Share Grant Program Hours:</b>	<b>8.00</b>
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**Dakota County Soil & Water  
Conservation District**

**4100 220th Street West, Ste 102  
651-480-7777  
Farmington, MN 55024**

# Invoice

DATE	INVOICE #
10/28/2021	3133

BILL TO

Lower Mississippi River WMO  
City of Mendota Heights  
Nancy Bauer  
1101 Victoria Curve  
Mendota Heights, MN 55118

Reference

TERMS

ITEM CODE	DESCRIPTION	HOURS	RATE	AMOUNT
	FY19 Watershed Based Funding Grant June 27 - October 2, 2021			
LMR CWF WBF	Administration Grant Extension Request (0.50 Hours)		37.90	37.90
LMR CWF WBF	Education Programs Consultant Research, Chloride Program Research. (6.50 Hours)		492.64	492.64
LMR CWF WBF	Stenciling Programs		0.00	0.00
LMR CWF WBF	Lake Agusta Study Research for RFP, Coordination with City and Barr. (17.50 Hours)		1,326.33	1,326.33
LMR CWF WBF	Interstate Valley Creek Research for RFP, City Coordination. (3.50 Hours)		265.27	265.27
	28.00 Hours at BWSR Required Billable Rate.			
			<b>Total</b>	<b>\$2,122.14</b>



# Invoice

## Dakota County Soil & Water Conservation District

4100 220th Street West, Ste 102  
651-480-7777  
Farmington, MN 55024

DATE	INVOICE #
10/28/2021	3132

BILL TO

Lower Mississippi River WMO  
City of Mendota Heights  
Nancy Bauer  
1101 Victoria Curve  
Mendota Heights, MN 55118

Reference

TERMS

ITEM CODE	DESCRIPTION	HOURS	RATE	AMOUNT
	July - September 2021			
Lower Mississi...	Administrative Assistance: Board Meeting coordination, packets prepared, financial information prepared, attend meetings, follow-up coordination (July 14, August 11, September 8, October 13/prep.) Pine Bend Bluffs erosion stakeholder meeting and coordination. Plan Update - CAC meeting, Barr meeting and coordination. Seidl's Lake Shoreline CPL application review and coordination. Watershed Based Incentive Funding meeting with BWSR.	138	80.00	11,040.00
Lower Mississi...	Printing, Paper, Postage Expense		50.00	50.00
Lower Mississi...	Pioneer Press-Seeking Proposals of Consultant Svcs		13.95	13.95
	Education and Outreach Assistance:			
Lower Mississi...	Landscaping for Clean Water Maintenance Class		1,600.00	1,600.00
Lower Mississi...	Master Water Stewards Program Coordination	5	80.00	400.00
Lower Mississi...	CAC Coordination/Special Education Request Coordination			0.00
Lower Mississi...	Website Updates	7.5	80.00	600.00
	Technical Assistance and Project Implementation:			
Lower Mississi...	Landscaping for Clean Water Grants Conoma, Bukacek, Edwards, Trudeau, Miller, Sjöholm, Smith, Tobias, Ruvelson.		2,250.00	2,250.00
Lower Mississi...	Landscaping for Clean Water Grants Technical Assistance Conoma, Bukacek, Edwards, Trudeau, Miller, Sjöholm, Smith, Tobias, Ruvelson.		4,500.00	4,500.00

Thank you.

**Total**



# Invoice

## Dakota County Soil & Water Conservation District

4100 220th Street West, Ste 102  
651-480-7777  
Farmington, MN 55024

DATE	INVOICE #
10/28/2021	3132

BILL TO

Lower Mississippi River WMO  
City of Mendota Heights  
Nancy Bauer  
1101 Victoria Curve  
Mendota Heights, MN 55118

Reference

TERMS

ITEM CODE	DESCRIPTION	HOURS	RATE	AMOUNT
Lower Mississi...	Lake Water Monitoring:			0.00
Lower Mississi...	Data Management	12.5	80.00	1,000.00
Lower Mississi...	Volunteer Coordination	6.5	80.00	520.00
	Thompson Lake Chloride Water Monitoring			
Thank you.				<b>Total</b>
				\$21,973.95

# TwinCities.com PIONEER PRESS

PQ Box 8015 Willoughby, OH 44096-8015  
Return Service Requested

## ADVERTISING INVOICE AND STATEMENT BILLING ACCOUNT NAME AND ADDRESS

3632000096 PRESORT PBPS001 <B>



LOWER MISSISSIPPI RIVER WMO  
4100 220TH ST. W  
FARMINGTON MN 55024-7079



BILLING PERIOD		ADVERTISER/CLIENT NAME	
5/1/2021 - 5/31/2021		LOWER MISSISSIPPI RIVER WMO	
TOTAL AMOUNT DUE	CURRENT AMOUNT	TERMS OF PAYMENT	
\$13.95	\$13.95	Net 30	
PAGE	INVOICE NUMBER	BILLED ACCOUNT NUMBER	
Page 1 of 1	0521577257	577257	

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## REMITTANCE ADDRESS

ST PAUL PIONEER PRESS  
PO BOX 8015  
WILLOUGHBY, OH 44096-8015



PLEASE DETACH AND RETURN UPPER PORTION WITH YOUR REMITTANCE

Date	Ad Reference No.	Advertisement Description	Size/Ad	Times Ran	Total Rate	Gross Amount	Net Amount
		Balance Forward					\$0.00
05/03 - 05/09	0071470942	S Legals S Full Run REVIEWOFCONSULTANTSE	1.00 x 31 LI	1.00		\$13.95	\$13.95

Lower Miss River WMO Expense

BLU  
KOD 7 4-21

CURRENT NET AMOUNT DUE	30 DAYS	60 DAYS	Over 90 DAYS	TOTAL AMOUNT DUE
\$13.95	\$0.00	\$0.00	\$0.00	\$13.95

22

TwinCities.com  
PIONEER PRESS

Please call 888-621-6234 for billing inquiries  
PO Box 8015 Willoughby, OH 44096-8015  
FED. ID # 76-0425553

Sales Representative/Phone Number  
Emily Kunz / 651-228-5328

INVOICE NUMBER	BILLING PERIOD	BILLED ACCOUNT NUMBER	ADVERTISER/CLIENT CODE	ADVERTISER/CLIENT NAME
0521577257	5/1/2021 - 5/31/2021	577257	577257	LOWER MISSISSIPPI RIVER WMO

ADVERTISING INVOICE

## Review of Consultant Services

Notice is hereby given that pursuant to Minnesota Statutes §103B.227 Subd. 5, the Board of Managers for the Lower Mississippi River Watershed Management Organization is currently conducting a review of consulting services. Any person or persons interested in serving as auditor, engineer, or legal consultant, may submit a proposal on or before 4:30 p.m., May 15th, 2021 in a sealed envelope, identified on the outside as a Proposal for Consulting Services and sent or delivered to the Lower Mississippi River WMO, c/o Joe Barten, Dakota County Soil and Water Conservation

District, 4100 220th St. West, Suite 102,  
Farmington MN 55024



# CONAMA RESIDENTIAL RAINGARDEN



BEFORE

A raingarden is a shallow depression that captures rainwater, removes pollutants, and soaks the water into the ground.



AFTER

**PROJECT:** Installation of a 134 square foot residential raingarden.

**COST:** Project materials cost estimated at \$1,037

**FUNDING:** Landowners receive a \$250 Landscaping for Clean Water grant as well as technical assistance provided by the Dakota County Soil and Water Conservation District

## PRACTICE:

- Raingarden

## BENEFITS:

- Runoff volume reduction
- Improved water quality
- Improved wildlife habitat
- Opportunity for public education and outreach
- Improved aesthetics

## PARTNERS:

- Lower Mississippi River Watershed Management Organization

## WATERSHED:

- Lower Mississippi River

## INSTALLATION:

- Spring 2021

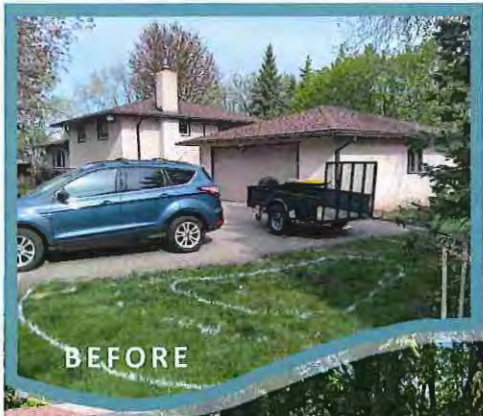
## LOCATION:

16th Ave N  
South St Paul





# BUKACEK RESIDENTIAL RAINGARDEN



A raingarden is a shallow depression that captures rainwater, removes pollutants, and soaks the water into the ground.



**PROJECT:** Installation of a 200 square foot residential raingarden.

**COST:** Project materials cost estimated at \$400

**FUNDING:** Landowners receive a \$250 Landscaping for Clean Water grant as well as technical assistance provided by the Dakota County Soil and Water Conservation District



## PRACTICE:

- Raingarden

## BENEFITS:

- Runoff volume reduction
- Improved water quality
- Improved wildlife habitat
- Opportunity for public education and outreach
- Improved aesthetics

## PARTNERS:

- Lower Mississippi River Watershed Management Organization

## WATERSHED:

- Lower Mississippi River

## INSTALLATION:

- Spring 2021



## PROJECT FACTSHEET

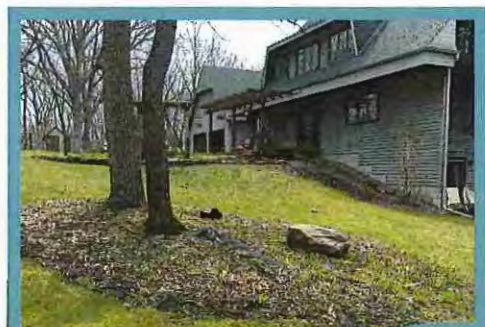
# EDWARDS

# RESIDENTIAL NATIVE GARDEN

## DAKOTA COUNTY



— SOIL & WATER —  
CONSERVATION DISTRICT



BEFORE

A native garden, also called natural landscaping, uses plants, trees and grasses that are suitable for growth in a particular geographical area



AFTER

**PROJECT:** Installation of a 320 sq. ft. residential native garden.

**COST:** Project materials cost estimated at \$985

**FUNDING:** Landowners receive a \$250 Landscaping for Clean Water grant as well as technical assistance provided by the Dakota County Soil and Water Conservation District

### PRACTICE:

- Native Garden

### BENEFITS:

- Runoff volume reduction
- Slope stabilization
- Improved wildlife habitat
- Opportunity for public education and outreach
- Improved aesthetics

### PARTNERS:

- Lower Mississippi River Watershed Management Organization

### WATERSHED:

- Lower Mississippi River

### INSTALLATION:

- Summer 2021

**LMR WMO**  
LOWER MISSISSIPPI RIVER  
WATERSHED MANAGEMENT ORGANIZATION

**LOCATION:**  
Albavar Path  
Inver Grove Heights







# TRUDEAU RESIDENTIAL RAINGARDEN



BEFORE

A raingarden is a shallow depression that captures rainwater, removes pollutants, and soaks the water into the ground.



AFTER

## PRACTICE:

- Raingarden

## BENEFITS:

- Runoff volume reduction
- Improved water quality
- Improved wildlife habitat
- Opportunity for public education and outreach
- Improved aesthetics

## PARTNERS:

- Lower Mississippi River Watershed Management Organization

## WATERSHED:

- Lower Mississippi River

## INSTALLATION:

- Spring 2021

**PROJECT:** Installation of a 270 square foot residential raingarden.

**COST:** Project materials cost estimated at \$1,180

**FUNDING:** Landowners receive a \$250 Landscaping for Clean Water grant as well as technical assistance provided by the Dakota County Soil and Water Conservation District

## LOCATION:

Quail Ridge Circle  
Mendota Heights







# MILLER RESIDENTIAL RAINGARDEN



BEFORE

A raingarden is a shallow depression that captures rainwater, removes pollutants, and soaks the water into the ground.



AFTER

## PRACTICE:

- Raingarden

## BENEFITS:

- Runoff volume reduction
- Improved water quality
- Improved wildlife habitat
- Opportunity for public education and outreach
- Improved aesthetics

## PARTNERS:

- Lower Mississippi River Watershed Management Organization

## WATERSHED:

- Lower Mississippi River

## INSTALLATION:

- Summer 2021

**PROJECT:** Installation of a 250 sq. ft. residential raingarden.

**COST:** Project materials cost estimated at \$925

**FUNDING:** Landowners receive a \$250 Landscaping for Clean Water grant as well as technical assistance provided by the Dakota County Soil and Water Conservation District

## LOCATION:

Carrie Street  
West St Paul







# SOMERSET 19 CONDOS RESIDENTIAL RAINGARDEN



BEFORE

A raingarden is a shallow depression that captures rainwater, removes pollutants, and soaks the water into the ground.



AFTER

**PROJECT:** Installation of a 275 sq. ft. residential raingarden

**COST:** Project materials cost estimated at \$4,300

**FUNDING:** Landowners receive a \$250 Landscaping for Clean Water grant as well as technical assistance provided by the Dakota County Soil and Water Conservation District

## PRACTICE:

- Raingarden

## BENEFITS:

- Runoff volume reduction
- Improved water quality
- Improved wildlife habitat
- Opportunity for public education and outreach
- Improved aesthetics

## PARTNERS:

- Lower Mississippi River Watershed Management Organization

## WATERSHED:

- Lower Mississippi River

## INSTALLATION:

- Summer 2021







## SMITH

# RESIDENTIAL NATIVE GARDEN



BEFORE

A native garden, also called natural landscaping, uses plants, trees and grasses that are suitable for growth in a particular geographical area



AFTER

**PROJECT:** Installation of a 1,113 sq. ft. residential native garden.

**COST:** Project materials cost estimated at \$1,424

**FUNDING:** Landowners receive a \$250 Landscaping for Clean Water grant as well as technical assistance provided by the Dakota County Soil and Water Conservation District

### PRACTICE:

- Native Garden

### BENEFITS:

- Runoff volume reduction
- Slope stabilization
- Improved wildlife habitat
- Opportunity for public education and outreach
- Improved aesthetics

### PARTNERS:

- Lower Mississippi River Watershed Management Organization

### WATERSHED:

- Lower Mississippi River

### INSTALLATION:

- Summer 2021







## TOBIAS

# RESIDENTIAL NATIVE GARDEN



BEFORE

A native garden, also called natural landscaping, uses plants, trees and grasses that are suitable for growth in a particular geographical area



AFTER

### PRACTICE:

- Native Garden

### BENEFITS:

- Runoff volume reduction
- Slope stabilization
- Improved wildlife habitat
- Opportunity for public education and outreach
- Improved aesthetics

### PARTNERS:

- Lower Mississippi River Watershed Management Organization

### WATERSHED:

- Lower Mississippi River

### INSTALLATION:

- Summer 2021

**PROJECT:** Installation of a 220 sq. ft. residential native garden.

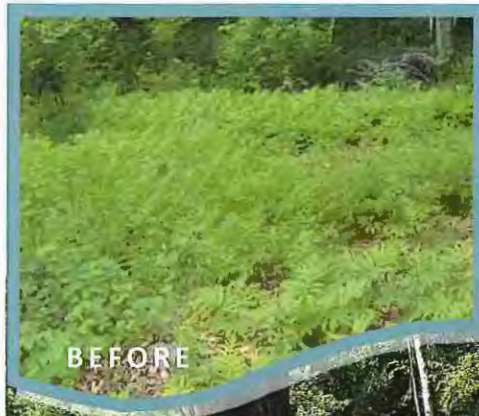
**COST:** Project materials cost estimated at \$348

**FUNDING:** Landowners receive a \$250 Landscaping for Clean Water grant as well as technical assistance provided by the Dakota County Soil and Water Conservation District





# RUVELSON SHORELINE PLANTING



A native shoreline planting is the use of native vegetation to protect a shoreline from existing or potential erosion



**PROJECT:** Installation of a 375 square foot native shoreline planting.

**COST:** Project materials cost estimated at \$600

**FUNDING:** Landowners receive a \$250 Landscaping for Clean Water grant as well as technical assistance provided by the Dakota County Soil and Water Conservation District

**LMR WMO**  
LOWER MISSISSIPPI RIVER  
WATERSHED MANAGEMENT ORGANIZATION

**LOCATION:**  
Kraft Road West  
West St Paul



## PRACTICE:

- Shoreline Planting

## BENEFITS:

- Shoreline stabilization and erosion reduction
- Improved water quality
- Improved wildlife habitat
- Opportunity for public education and outreach
- Improved aesthetics

## PARTNERS:

- Lower Mississippi River Watershed Management Organization

## WATERSHED:

- Lower Mississippi River

## INSTALLATION:

- Summer 2021





## MEMORANDUM

**To:** Nancy Bauer  
**From:** Joe Barten, LMRWMO Administrator  
**Subject:** Lower Mississippi River - Financial Actions  
**Date:** November 24, 2021

Enclosed please find the following invoice for payment:

- \$2,279.00 to "MN Cities Insurance Trust P&C." which is the League of Minnesota Cities Insurance as indicated on the attached billing statement.

Thank you and please contact me with any questions.

Joe Barten  
Administrator  
Lower Mississippi River Watershed Management Organization

**Enclosed:** League of MN Cities Billing Statement



CONNECTING & INNOVATING  
SINCE 1913

## Invoice

Page 1 of 3

**Member Name and Address**  
Lower Mississippi River WMO  
C/O Dakota County Swcd  
4100 220th Street West Suite #102  
Farmington, MN 55024-7080

**Invoice Date**  
10/05/2021

**Agent**  
First National Insurance  
Po Box 130  
Farmington, MN 55024-0130  
(651)460-6014

**Account Number:** 40002486  
**Account Type** Property/Casualty Coverage Premium  
**Current Balance:** \$ 2,279.00  
**Minimum Due:** \$ 2,279.00  
**Due Date:** 11/21/2021

Summary of activity since last Billing Invoice	Date	Activity	Account Balance	Minimum Due
See reverse side and attachments for additional information		Previous Invoice Balance	2,275.00	
		Payments Received	-00	
		Total of Transactions and Fees shown on reverse or attached	2,279.00	
		Current Balance	\$ 2,279.00	\$ 2,279.00

Detach and return this Payment Coupon with your payment

**Account Number**  
40002486

**Invoice Date**  
10/05/2021

**Due Date**  
11/21/2021

**Current Balance**  
\$ 2,279.00

**Minimum Due**  
2,279.00

**Amount Enclosed**  
\$ \_\_\_\_\_

**Member Name** Lower Mississippi River WMO

**BILLING INVOICE - Return stub with payment - make checks payable to:**

Mail payment  
7 days before  
Due Date to  
ensure timely  
receipt

League of MN Cities Insurance Trust P&C  
c/o Berkley Risk Administrators Company  
222 South Ninth Street, Suite 2700  
P.O. Box 581517  
Minneapolis, MN 55458-1517



CONNECTING & INNOVATING  
SINCE 1913

## Invoice

Page 2 of 3

Detail of Package 1003832-5 Agreement Period 08/21/2021 - 08/21/2022  
activity since Agreement Previous Balance  
last Invoice Renewal - PR 10/01/2021  
Agreement Ending Balance

Transaction Amount	Minimum Due
\$ 0.00	
\$ 2,279.00	
\$ 2,279.00	\$ 2,279.00

Defense Cost Reimbursement 1003833-5 Agreement Period 08/21/2021 - 08/21/2022

Agreement Previous Balance	\$ 0.00	
Agreement Ending Balance	\$ 0.00	\$ 0.00

Total Current Balance	\$ 2,279.00	
Total Minimum Due		\$ 2,279.00



CONNECTING & INNOVATING  
SINCE 1913

## Invoice

Page 3 of 3

Thank you for choosing us as your Coverage carrier. The following information is to assist you in reviewing your Billing Invoice.

**Billing Inquiries:** CONTACT YOUR AGENT FOR QUESTIONS ON YOUR AGREEMENT OR CHANGES IN COVERAGE. For billing inquiries, please call 1-612-766-3000

### BILLING PROCEDURES

**New Agreements and renewals:** If your Agreement is issued after the date that coverage began, your first Billing Invoice for the agreement may include more than one installment payment due.

**Application of Payments and Cancellation:** If you pay more than the Minimum Due, the extra payment will be applied to your next installment proportionately to all agreements on your account. For Accounts owned on agreements with the same Due Date, the payment will be applied proportionately to all agreements with the same Due Date.

Minimum Due is the amount to pay to avoid any agreements on your account from going into a late pay status which could cause cancellation of coverage. If you fail to pay the Minimum Due by the Due Date, a Direct Notice of Cancellation for Non Payment may be issued for one or more agreements on your account. If your account has more than one agreement and you pay less than the Minimum Due, your payment will be applied first to amounts owed on agreements with the oldest balance due.

If we receive a payment after the cancellation effective date and we elect not to reinstate your agreement, the payment will be applied toward any unpaid earned premium on your account before any remainder is refunded.

After an agreement is cancelled, we will bill you for any unpaid earned premium. If you do not pay, the matter may be referred to collections.

**Audit Premium:** Any Audit Premium owed will be included in both Current Balance and Minimum Due balance shown on the Billing Invoice. Payment of Audit Premium is due in full by the Due Date. If Audit Premium is owed, your payment may be applied first to Audit Premium owed and then to amounts owed on agreements with the earliest Due Date. If special arrangements are needed for repayment of audit premium you MUST contact the Billing Unit at the number shown above for consideration of any such arrangements.

**Refunds:** Any refund due will be mailed from our office within 15 days after the Invoice date.

**Payment address:** ALL PAYMENTS SHOULD BE SENT TO OUR PAYMENT PROCESSING CENTER ALONG WITH THE PAYMENT COUPON. The address change from below is printed on the back of the payment coupon. If needed it may also be sent along with your payment to the Payment Processing Center at:

222 South Ninth Street, Suite 2700 Minneapolis, MN 55402 . Please do not send any other correspondence to the payment processing center.

CHANGE OF ADDRESS AND/OR NAME  
PLEASE FILL IN THE NAME, AGREEMENT NUMBER AND CHECK APPROPRIATE BOX

- ☐ Name Change Only  
☐ Name and Address Change  
☐ Address Change Only

Name: \_\_\_\_\_

Address: \_\_\_\_\_

Former Name: \_\_\_\_\_

Address: \_\_\_\_\_

Agreement Number: \_\_\_\_\_

City: \_\_\_\_\_ State \_\_\_\_\_ Zip Code: \_\_\_\_\_

PLEASE REFER ALL OTHER CHANGES TO YOUR AGENT. THANK YOU.



# INVOICE

Barr Engineering Co.  
4300 MarketPointe Drive, Suite 200  
Minneapolis, MN 55435  
Phone: 952-832-2600; Fax: 952-832-2601  
FEIN #: 41-0905995 Inc: 1966

Mr. Joe Barten  
Lower Mississippi River Water Mgmt. Org.  
c/o Dakota County SWCD  
Suite 102  
4100 220th Street West  
Farmington, MN 55024

November 1, 2021  
Invoice No: 23191436.00 - 11

<b>Total this Invoice</b>	<b>\$2,935.00</b>
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**Regarding: Fourth generation update to the Lower Mississippi River WMO Watershed Management Plan**

This invoice is for professional services, which include the following:

- Preparing for, attending, and summarizing the Citizen Advisory Committee (CAC) meeting
- Revising draft waterbody prioritization
- Writing memorandum to memorialize priority issues and waterbodies
- Reviewing existing goals and policies to identify items for update
- General communicating with LMRWMO Administrator and project management

Job	Task	Contract Budget	Previously Billed	Invoice Amount	Total Billed	Balance
ENG - Stakeholder Engagement	1A0	\$ 1,210.00	\$ 2,162.00		\$ 2,162.00	\$ (952.00)
	1B0	\$ 2,930.00	\$ 375.00	\$ 575.00	\$ 950.00	\$ 1,980.00
	1C0	\$ 1,550.00	\$ 898.50		\$ 898.50	\$ 651.50
	1D0	\$ -	\$ -		\$ -	\$ -
	1E0	\$ 3,580.00	\$ -		\$ -	\$ 3,580.00
	1F0	\$ 3,520.00	\$ 818.00		\$ 818.00	\$ 2,702.00
	1G0	\$ 4,880.00	\$ 4,676.00		\$ 4,676.00	\$ 204.00
	1H0	\$ 3,170.00	\$ 870.00	\$ 2,045.00	\$ 2,915.00	\$ 255.00
PLAN - Prepare Draft Plan	2A0	\$ 6,890.00	\$ 4,820.00		\$ 4,820.00	\$ 2,070.00
	2B0	\$ 6,730.00	\$ -		\$ -	\$ 6,730.00
	2C0	\$ 6,840.00	\$ -	\$ 315.00	\$ 315.00	\$ 6,525.00
	2D0	\$ 7,540.00	\$ -		\$ -	\$ 7,540.00
	2E0	\$ 7,710.00	\$ -		\$ -	\$ 7,710.00
REV - Review and Adoption	3A0	\$ 4,240.00	\$ -		\$ -	\$ 4,240.00
	3B0	\$ 3,600.00	\$ -		\$ -	\$ 3,600.00
	3C0	\$ -	\$ -		\$ -	\$ -
	3D0	\$ 5,000.00	\$ -		\$ -	\$ 5,000.00
	3E0	\$ 2,260.00	\$ -		\$ -	\$ 2,260.00
<b>Total</b>		\$ 71,650.00	\$ 14,619.50	\$ 2,935.00	\$ 17,554.50	\$ 54,095.50

**Professional Services from August 7, 2021 to October 1, 2021**

Job	ENG	Stakeholder Engagement
Task	1B0	recruit and meet with CAC, TAC

PLEASE REMIT TO ABOVE ADDRESS and INCLUDE INVOICE NUMBER ON CHECK.

Terms: Due upon receipt. 1 1/2% per month after 30 days. Please refer to the contract if other terms apply.

Project	23191436.00	LMRWMO 4th Generation Plan	Invoice	11
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#### Labor Charges

	Hours	Rate	Amount
Engineer / Scientist / Specialist III			
Williams, Sterling	3.50	150.00	525.00
Support Personnel II			
Nypan, Nyssa	.50	100.00	50.00
	4.00		575.00
<b>Subtotal Labor</b>			<b>575.00</b>
		<b>Task Subtotal</b>	<b>\$575.00</b>

Task 1H0 prioritize issues with board

#### Labor Charges

	Hours	Rate	Amount
Engineer / Scientist / Specialist III			
Williams, Sterling	13.50	150.00	2,025.00
Support Personnel II			
Nypan, Nyssa	.20	100.00	20.00
	13.70		2,045.00
<b>Subtotal Labor</b>			<b>2,045.00</b>
		<b>Task Subtotal</b>	<b>\$2,045.00</b>
		<b>Job Subtotal</b>	<b>\$2,620.00</b>

Job PLAN Prepare Draft Plan

Task 2C0 review policies and performance stds

#### Labor Charges

	Hours	Rate	Amount
Engineer / Scientist / Specialist III			
Williams, Sterling	2.10	150.00	315.00
	2.10		315.00
<b>Subtotal Labor</b>			<b>315.00</b>
		<b>Task Subtotal</b>	<b>\$315.00</b>
		<b>Job Subtotal</b>	<b>\$315.00</b>
		<b>Total this Invoice</b>	<b>\$2,935.00</b>

Thank you in advance for your prompt processing of this invoice. If you have any questions, please contact Greg Williams, your Barr project manager at 952.832.2945 or email at [gwilliams@barr.com](mailto:gwilliams@barr.com).

Barr declares under the penalties of law that this account, claim or demand is just and no part of it has been paid.

Authorized By:



Janna Kieffer

PLEASE REMIT TO ABOVE ADDRESS and INCLUDE INVOICE NUMBER ON CHECK.

Terms: Due upon receipt. 1 1/2% per month after 30 days. Please refer to the contract if other terms apply.

# Billing Backup

Monday, November 1, 2021

Barr Engineering Co. Invoice 11 Dated 11/1/2021 11:54:20 AM

Job	ENG	Stakeholder Engagement
Task	1B0	recruit and meet with CAC, TAC

## Labor Charges

			Hours	Rate	Amount	
Engineer / Scientist / Specialist III						
	Engineer / Scientist / Specialist III					
SGW	Williams, Sterling	9/16/2021	2.50	150.00	375.00	
	Prep for and attend CAC meeting					
SGW	Williams, Sterling	9/27/2021	1.00	150.00	150.00	
	Summary of CAC comments					
Support Personnel II						
	Support Personnel II					
NJN	Nypan, Nyssa	9/3/2021	.50	100.00	50.00	
			4.00		575.00	
<b>Subtotal Labor</b>						<b>575.00</b>
					<b>Task Subtotal</b>	<b>\$575.00</b>

Task	1H0	prioritize issues with board
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## Labor Charges

			Hours	Rate	Amount	
Engineer / Scientist / Specialist III						
	Engineer / Scientist / Specialist III					
SGW	Williams, Sterling	8/20/2021	1.50	150.00	225.00	
	Waterbody priority criteria					
SGW	Williams, Sterling	8/27/2021	2.00	150.00	300.00	
	waterbody priority					
SGW	Williams, Sterling	8/30/2021	2.20	150.00	330.00	
	priority lakes and issues memo					
SGW	Williams, Sterling	8/31/2021	4.00	150.00	600.00	
	priority lakes and issues memo					
SGW	Williams, Sterling	9/1/2021	1.50	150.00	225.00	
	priority lakes and issues memo					
SGW	Williams, Sterling	9/3/2021	2.30	150.00	345.00	
	priority lakes and issues memo					
Support Personnel II						
	Support Personnel II					
NJN	Nypan, Nyssa	9/7/2021	.20	100.00	20.00	
			13.70		2,045.00	
<b>Subtotal Labor</b>						<b>2,045.00</b>
					<b>Task Subtotal</b>	<b>\$2,045.00</b>
					<b>Job Subtotal</b>	<b>\$2,620.00</b>

Job	PLAN	Prepare Draft Plan
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PLEASE REMIT TO ABOVE ADDRESS and INCLUDE INVOICE NUMBER ON CHECK.

Terms: Due upon receipt. 1 1/2% per month after 30 days. Please refer to the contract if other terms apply.

Project	23191436.00	LMRWMO 4th Generation Plan	Invoice	11
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Task 2C0 review policies and performance stds

**Labor Charges**

			Hours	Rate	Amount	
Engineer / Scientist / Specialist III						
SGW	Williams, Sterling	10/1/2021	2.10	150.00	315.00	
	Updates to policy		2.10		315.00	
	<b>Subtotal Labor</b>					<b>315.00</b>

**Task Subtotal \$315.00**

**Job Subtotal \$315.00**

**Total this Project \$2,935.00**

**Total this Report \$2,935.00**





# INVOICE

Barr Engineering Co.  
4300 MarketPointe Drive, Suite 200  
Minneapolis, MN 55435  
Phone: 952-832-2600; Fax: 952-832-2601  
FEIN #: 41-0905995 Inc: 1966

Ms. Nancy Bauer  
Lower Mississippi River Water Mgmt. Org.  
City of Mendota Heights  
1101 Victoria Curve  
Mendota Heights, MN 55118

November 1, 2021  
Invoice No: 23190078.00 - 239

<b>Total this Invoice</b>	<b>\$2,406.00</b>
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## Regarding: Watershed Management Organization

The following invoice is for professional services related to the above project, which include:

- Material preparation and review ahead of the August 11, 2021 Board of Managers meeting
- Attending the August 11, 2021 Board of Managers meeting
- Preparing for and attending the September 8, 2021 Board of Managers meeting
- Reviewing technical analyses of drainage area upstream of the Pine Bend Scientific and Natural Area (SNA)
- Additional meeting with LMRWMO Administrator and City of Inver Grove Heights staff to discuss erosion issues in Pine Bend Scientific and Natural Area (SNA)
- Communicating with LMRWMO Administrator and project management

## Professional Services from August 7, 2021 to October 1, 2021

Job	2020	2020 Engineering Services
Task	001	Board Meetings

### Labor Charges

	Hours	Rate	Amount
Engineer / Scientist / Specialist III			
Williams, Sterling	7.50	150.00	1,125.00
	7.50		1,125.00
<b>Subtotal Labor</b>			<b>1,125.00</b>
<b>Task Subtotal</b>			<b>\$1,125.00</b>

Task	002	Technical Assistance
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### Labor Charges

	Hours	Rate	Amount
Principal			
Kieffer, Janna	.20	180.00	36.00
Engineer / Scientist / Specialist III			
Fransen, Greg	5.50	140.00	770.00
Williams, Sterling	2.70	150.00	405.00
Support Personnel II			
Nypan, Nyssa	.70	100.00	70.00
	9.10		1,281.00
<b>Subtotal Labor</b>			<b>1,281.00</b>

PLEASE REMIT TO ABOVE ADDRESS and INCLUDE INVOICE NUMBER ON CHECK.

Terms: Due upon receipt. 1 1/2% per month after 30 days. Please refer to the contract if other terms apply.

Project	23190078.00	Lower Mississippi River	Invoice	239
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**Task Subtotal** **\$1,281.00**

**Job Subtotal** **\$2,406.00**

**Total this Invoice** **\$2,406.00**

Thank you in advance for your prompt processing of this invoice. If you have any questions, please contact your Barr Project Manager, Janna M. Kieffer Phone: 952-832-2785 or E-Mail: [jkieffer@barr.com](mailto:jkieffer@barr.com).

Barr declares under the penalties of law that this account, claim or demand is just and no part of it has been paid.

Authorized By:   
Janna Kieffer

# Billing Backup

Monday, November 1, 2021

Barr Engineering Co. Invoice 239 Dated 11/1/2021 11:47:08 AM

Job	2020	2020 Engineering Services
Task	001	Board Meetings

## Labor Charges

			Hours	Rate	Amount
Engineer / Scientist / Specialist III					
Engineer / Scientist / Specialist III					
SGW	3 - Williams, Sterling	8/10/2021	.50	150.00	75.00
	Prep with Joe				
SGW	3 - Williams, Sterling	8/11/2021	2.50	150.00	375.00
	Prep and attend 8/11 meeting				
SGW	3 - Williams, Sterling	8/24/2021	1.00	150.00	150.00
	meeting preparation				
SGW	3 - Williams, Sterling	9/8/2021	2.50	150.00	375.00
	prep for and attend LMRWMO meeting				
SGW	3 - Williams, Sterling	9/29/2021	1.00	150.00	150.00
	Prep with Administrator				
			7.50		1,125.00
<b>Subtotal Labor</b>					<b>1,125.00</b>
<b>Task Subtotal</b>					<b>\$1,125.00</b>

Task	002	Technical Assistance
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## Labor Charges

			Hours	Rate	Amount
Principal					
Principal					
JMK2	1 - Kieffer, Janna	8/10/2021	.10	180.00	18.00
	review agenda				
JMK2	1 - Kieffer, Janna	9/7/2021	.10	180.00	18.00
	invoice review				
Engineer / Scientist / Specialist III					
Engineer / Scientist / Specialist III					
GDF	3 - Fransen, Greg	8/30/2021	1.20	140.00	168.00
	Pine Bend SNA ravine erosion - stakeholder virtual meeting to discuss scoping.				
GDF	3 - Fransen, Greg	9/3/2021	.90	140.00	126.00
	Meeting iwth SGW - discuss scoping for Pine Bend SNA ravine review/analysis.				
GDF	3 - Fransen, Greg	9/23/2021	1.40	140.00	196.00
	Pine Bend SNA ravine - scope of work.				
GDF	3 - Fransen, Greg	9/24/2021	2.00	140.00	280.00
	Pine Bend SNA scope of work and budget.				
SGW	3 - Williams, Sterling	8/27/2021	.50	150.00	75.00
	SNA discussion				
SGW	3 - Williams, Sterling	8/30/2021	1.20	150.00	180.00
	Pine Bend SNA technical review				
SGW	3 - Williams, Sterling	9/3/2021	.70	150.00	105.00
	Pine bend tech planning with GDF				

PLEASE REMIT TO ABOVE ADDRESS and INCLUDE INVOICE NUMBER ON CHECK.

Terms: Due upon receipt. 1 1/2% per month after 30 days. Please refer to the contract if other terms apply.

Project	23190078.00	Lower Mississippi River			Invoice	239
SGW	3 - Williams, Sterling	9/28/2021	.30	150.00	45.00	
	Pine bend SNA review					
	Support Personnel II					
	Support Personnel II					
NJN	9 - Nypan, Nyssa	9/3/2021	.50	100.00	50.00	
NJN	9 - Nypan, Nyssa	9/7/2021	.20	100.00	20.00	
			9.10		1,281.00	
	<b>Subtotal Labor</b>					<b>1,281.00</b>
				<b>Task Subtotal</b>		<b>\$1,281.00</b>
				<b>Job Subtotal</b>		<b>\$2,406.00</b>
				<b>Total this Project</b>		<b>\$2,406.00</b>
				<b>Total this Report</b>		<b>\$2,406.00</b>



**Barr Engineering Co.**  
**4300 MarketPointe Drive, Suite 200**  
**Minneapolis, MN 55435**  
**Phone: 952-832-2600; Fax: 952-832-2601**  
**FEIN #: 41-0905995 Inc: 1966**


November 23, 2021  
Invoice No: 23190078.00 - 240

Terms: Due upon receipt, 1 1/2% per month after 30 days. Please refer to the contract if other terms apply.

Project	23190078.00	Lower Mississippi River	Invoice	240
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Thank you in advance for your prompt processing of this invoice. If you have any questions, please contact your Barr Project Manager, Janna M. Kieffer Phone: 952-832-2785 or E-Mail: [jkieffer@barr.com](mailto:jkieffer@barr.com).

Barr declares under the penalties of law that this account, claim or demand is just and no part of it has been paid.

Authorized By:   
Janna Kieffer

# Billing Backup

Tuesday, November 23, 2021

Barr Engineering Co.

Invoice 240 Dated 11/23/2021

1:23:16 PM

Job 2020 2020 Engineering Services

Task 001 Board Meetings

## Labor Charges

			Hours	Rate	Amount	
Engineer / Scientist / Specialist III						
Engineer / Scientist / Specialist III						
SGW	3 - Williams, Sterling	10/7/2021	1.50	150.00	225.00	
	memo for Board packet					
SGW	3 - Williams, Sterling	10/13/2021	2.50	150.00	375.00	
	prep for and attend Oct Board meeting					
SGW	3 - Williams, Sterling	10/28/2021	1.00	150.00	150.00	
	Meeting prep with Administrator					
			5.00		750.00	
<b>Subtotal Labor</b>						<b>750.00</b>
					<b>Task Subtotal</b>	<b>\$750.00</b>

Task 002 Technical Assistance

## Labor Charges

			Hours	Rate	Amount	
Engineer / Scientist / Specialist III						
Engineer / Scientist / Specialist III						
GDF	3 - Fransen, Greg	10/4/2021	1.70	140.00	238.00	
	Pine Bend SNA erosion study budget estimate.					
			1.70		238.00	
<b>Subtotal Labor</b>						<b>238.00</b>
					<b>Task Subtotal</b>	<b>\$238.00</b>
					<b>Job Subtotal</b>	<b>\$988.00</b>
					<b>Total this Project</b>	<b>\$988.00</b>
					<b>Total this Report</b>	<b>\$988.00</b>



# INVOICE

Please note our new remittance address

Barr Engineering Co.  
4300 MarketPointe Drive, Suite 200  
Minneapolis, MN 55435  
Phone: 952-832-2600; Fax: 952-832-2601  
FEIN #: 41-0905995 Inc: 1966

Remittance address:  
Lockbox 446104  
PO Box 64825  
St Paul, MN 55164-0825

Mr. Joe Barten  
Lower Mississippi River Water Mgmt. Org.  
c/o Dakota County SWCD  
Suite 102  
4100 220th Street West  
Farmington, MN 55024

November 23, 2021  
Invoice No: 23191436.00 - 12

**Total this Invoice \$2,265.00**

## Regarding: Fourth generation update to the Lower Mississippi River WMO Watershed Management Plan

This invoice is for professional services, which include the following:

- Drafting revisions to Plan goals and policies
- Summarizing member city official controls and drafting revisions to LMRWMO performance standards
- Preparing materials for next Technical Advisory meeting
- General communicating with LMRWMO Administrator and project management

Job	Task	Contract Budget	Previously Billed	Invoice Amount	Total Billed	Balance
ENG - Stakeholder Engagement	1A0	\$ 1,210.00	\$ 2,162.00	\$ -	\$ 2,162.00	\$ (952.00)
	1B0	\$ 2,930.00	\$ 950.00	\$ 75.00	\$ 1,025.00	\$ 1,905.00
	1C0	\$ 1,550.00	\$ 898.50	\$ -	\$ 898.50	\$ 651.50
	1D0	\$ -	\$ -	\$ -	\$ -	\$ -
	1E0	\$ 3,580.00	\$ -	\$ -	\$ -	\$ 3,580.00
	1F0	\$ 3,520.00	\$ 818.00	\$ -	\$ 818.00	\$ 2,702.00
	1G0	\$ 4,880.00	\$ 4,676.00	\$ -	\$ 4,676.00	\$ 204.00
	1H0	\$ 3,170.00	\$ 2,915.00	\$ -	\$ 2,915.00	\$ 255.00
PLAN - Prepare Draft Plan	2A0	\$ 6,890.00	\$ 4,820.00	\$ -	\$ 4,820.00	\$ 2,070.00
	2B0	\$ 6,730.00	\$ -	\$ -	\$ -	\$ 6,730.00
	2C0	\$ 6,840.00	\$ 315.00	\$ 2,190.00	\$ 2,505.00	\$ 4,335.00
	2D0	\$ 7,540.00	\$ -	\$ -	\$ -	\$ 7,540.00
	2E0	\$ 7,710.00	\$ -	\$ -	\$ -	\$ 7,710.00
REV - Review and Adoption	3A0	\$ 4,240.00	\$ -	\$ -	\$ -	\$ 4,240.00
	3B0	\$ 3,600.00	\$ -	\$ -	\$ -	\$ 3,600.00
	3C0	\$ -	\$ -	\$ -	\$ -	\$ -
	3D0	\$ 5,000.00	\$ -	\$ -	\$ -	\$ 5,000.00
	3E0	\$ 2,260.00	\$ -	\$ -	\$ -	\$ 2,260.00
<b>Total</b>		\$ 71,650.00	\$ 17,554.50	\$ 2,265.00	\$ 19,819.50	\$ 51,830.50

## Professional Services from October 2, 2021 to October 29, 2021

Job	ENG	Stakeholder Engagement
Task	1B0	recruit and meet with CAC, TAC

PLEASE REMIT TO ABOVE ADDRESS and INCLUDE INVOICE NUMBER ON CHECK.

Terms: Due upon receipt. 1 1/2% per month after 30 days. Please refer to the contract if other terms apply.



Project	23191436.00	LMRWMO 4th Generation Plan	Invoice	12
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#### Labor Charges

	Hours	Rate	Amount
Engineer / Scientist / Specialist III			
Williams, Sterling	.50	150.00	75.00
	.50		75.00
<b>Subtotal Labor</b>			<b>75.00</b>
		<b>Task Subtotal</b>	<b>\$75.00</b>
		<b>Job Subtotal</b>	<b>\$75.00</b>

Job	PLAN	Prepare Draft Plan
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Task	2C0	review policies and performance stds
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#### Labor Charges

	Hours	Rate	Amount
Engineer / Scientist / Specialist III			
Williams, Sterling	14.60	150.00	2,190.00
	14.60		2,190.00
<b>Subtotal Labor</b>			<b>2,190.00</b>
		<b>Task Subtotal</b>	<b>\$2,190.00</b>
		<b>Job Subtotal</b>	<b>\$2,190.00</b>
		<b>Total this Invoice</b>	<b>\$2,265.00</b>

Thank you in advance for your prompt processing of this invoice. If you have any questions, please contact Greg Williams, your Barr project manager at 952.832.2945 or email at [gwilliams@barr.com](mailto:gwilliams@barr.com).

Barr declares under the penalties of law that this account, claim or demand is just and no part of it has been paid.

Authorized By:



Janna Kieffer

Project	23191436.00	LMRWMO 4th Generation Plan	Invoice	12
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## Billing Backup

Tuesday, November 23, 2021

Barr Engineering Co. Invoice 12 Dated 11/23/2021 1:16:34 PM

Job	ENG	Stakeholder Engagement
Task	1B0	recruit and meet with CAC, TAC

### Labor Charges

			Hours	Rate	Amount
Engineer / Scientist / Specialist III					
	Engineer / Scientist / Specialist III				
SGW	Williams, Sterling	10/4/2021	.50	150.00	75.00
	TAC meeting prep				
			.50		75.00
<b>Subtotal Labor</b>					<b>75.00</b>

**Task Subtotal \$75.00**

**Job Subtotal \$75.00**

Job	PLAN	Prepare Draft Plan
Task	2C0	review policies and performance stds

### Labor Charges

			Hours	Rate	Amount
Engineer / Scientist / Specialist III					
	Engineer / Scientist / Specialist III				
SGW	Williams, Sterling	10/6/2021	.90	150.00	135.00
	Review policy docs				
SGW	Williams, Sterling	10/7/2021	1.00	150.00	150.00
	Review policy docs				
SGW	Williams, Sterling	10/25/2021	2.50	150.00	375.00
	edits to policies				
SGW	Williams, Sterling	10/26/2021	4.00	150.00	600.00
	edits to policies				
SGW	Williams, Sterling	10/27/2021	6.20	150.00	930.00
	edits to policies				
			14.60		2,190.00
<b>Subtotal Labor</b>					<b>2,190.00</b>

**Task Subtotal \$2,190.00**

**Job Subtotal \$2,190.00**

**Total this Project \$2,265.00**

**Total this Report \$2,265.00**

LMRWMO Grants Financial Summary (2016-2021)																
ESTIMATED REVENUES AND ASSETS	Budget	Sum: Dec 13 2018 - Dec 11 2019	Sum: Dec 13 2018 - Dec 11 2019	Dec 10 2020 - Jan 13 2021	Jan 14 - Feb 10 2021	Feb 11 - Mar 10 2021	Mar 12 - April 14 2021	April 15 - May 12 2021	May 13 - June 9 2021	June 10 - July 14 2021	July 15 - Aug 11 2021	Aug 12 - Sept 8 2021	Sept 9 - Oct 13 2021	Oct 14 - Dec 8 2021	Total	Variance
BWSR FY16-18 CWF Grant Payment - Thompson	\$576,000.00					\$230,400.00			\$57,600.00						\$576,000.00	\$0.00
BWSR FY16-18 CWF Grant Payments - Alum	\$196,000.00	\$78,400.00	\$19,600.00												\$196,000.00	\$0.00
BWSR FY18 CWF Grant Payments - Cherokee	\$700,000.00	\$280,000.00							\$70,000.00						\$700,000.00	\$0.00
*Lake Augusta Matching Funds <sup>1</sup>	\$24,500.00														\$37,500.00	\$13,000.00
*Sunfish Lake Matching Funds	\$24,500.00														\$27,000.10	\$2,500.10
Thompson Lake Matching Funds	\$144,000.00														\$0.00	(\$144,000.00)
FY-2019 Watershed Based Funding Grant Payment	\$144,670.00	\$72,335.00													\$72,335.00	(\$72,335.00)
FY-2021 Watershed Based Funding Grant Payment	\$93,042.00							\$46,521.00							\$46,521.00	(\$46,521.00)
TOTAL MATCH FUND RECEIVED	\$193,000.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$64,500.10	(\$128,499.90)
TOTAL GRANT FUNDS RECEIVED	\$1,616,670.00	\$430,735.00	\$19,600.00	\$0.00	\$0.00	\$230,400.00	\$0.00	\$46,521.00	\$127,600.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$1,590,856.00	(\$808,335.00)
ESTIMATED EXPENSES AND LIABILITIES	Budget	Sum: Dec 13 2018 - Dec 11 2019	Sum: Dec 12 2019 - Dec 9 2020	Dec 10 2020 - Jan 13 2021	Jan 14 - Feb 10 2021	Feb 11 - Mar 10 2021	Mar 12 - April 14 2021	April 15 - May 12 2021	May 13 - June 9 2021	June 10 - July 14 2021	July 15 - Aug 11 2021	Aug 12 - Sept 8 2021	Sept 9 - Oct 13 2021	Oct 14 - Dec 8 2021	Total	Balance Remaining
Thompson Lake Stormwater Improvements																
Grant Administration	\$15,000.00	\$3,256.48	\$1,054.02		\$1,169.94										\$9,830.44	\$5,169.56
Project Development	\$15,000.00	\$5,983.64	\$2,490.12		\$415.14										\$23,051.40	(\$8,051.40)
Education and Outreach	\$18,000.00	\$18,072.64	\$730.37												\$21,178.01	(\$3,178.01)
Engineering, Design, Permitting	\$140,000.00	\$56,869.10	\$3,090.26			\$49,918.24									\$156,247.26	(\$16,247.26)
Forebay, Wetland, & Pond Install	\$344,000.00	\$72,719.65	\$71,912.11			\$187,406.13									\$332,037.89	\$11,962.11
Forebay, Wetland, & Pond Install Match	\$144,000.00	\$63,382.60				\$304,001.72									\$378,486.73	(\$234,486.73)
Water Reuse Irrigation System	\$44,000.00					\$33,655.00									\$33,655.00	\$10,345.00
Cherokee Heights Stormwater																
Grant Administration	\$12,000.00	\$5,014.73	\$1,927.77												\$7,462.50	\$4,537.50
Project Development	\$10,000.00	\$5,543.36	\$1,118.01												\$11,901.37	(\$1,901.37)
Rainbarrel Program	\$15,000.00	\$11,163.91													\$12,003.91	\$2,996.09
Ravine Stabilization	\$275,000.00	\$187,519.28			\$155,142.40				\$26,222.14						\$368,883.82	(\$93,883.82)
Ravine Stabilization Match	\$210,000.00	\$57,996.18													\$57,996.18	\$152,003.82
Ravine Stabilization Engineering, Design	\$137,000.00	\$90,323.45			\$46,964.56										\$137,288.01	(\$288.01)
Stormwater BMP Construction	\$211,000.00	\$137,011.46													\$137,011.46	\$73,988.54
Stormwater BMP Construction Match	\$170,000.00	\$117,003.82													\$117,003.82	\$52,996.18
Stormwater BMP Engineering, Design	\$40,000.00	\$25,448.93													\$25,448.93	\$14,551.07
FY 2019 Watershed Based Funding																
Grant Administration	\$8,000.00	\$37.35	\$43.23					\$378.95						\$37.90	\$497.43	\$7,502.57
Education Program Implementation	\$36,000.00	\$914.60						\$985.27							\$1,899.87	\$34,100.13
Education Program Project Dev.	\$4,670.00	\$87.41	\$144.22											\$492.64	\$913.75	\$3,756.25
Education Program Project Dev. Match	\$4,670.00										\$189.48				\$0.00	\$4,670.00
Interstate Valley Creek Project Dev.	\$4,000.00	\$74.69												\$265.27	\$339.96	\$3,660.04
Interstate Valley Creek Study	\$44,000.00														\$0.00	\$44,000.00
Interstate Valley Creek Study Match	\$25,000.00														\$0.00	\$25,000.00
Lake Augusta Project Development	\$4,000.00	\$373.45	\$597.10		\$37.74									\$1,326.33	\$2,334.62	\$1,665.38
Lake Augusta Study	\$44,000.00														\$0.00	\$44,000.00
Lake Augusta Study Match	\$30,000.00														\$0.00	\$30,000.00
TOTAL GRANT EXPENSE	\$1,616,670.00	\$625,334.00	\$83,107.21	\$0.00	\$203,729.78	\$270,979.37	\$0.00	\$1,364.22	\$26,222.14	\$0.00	\$189.48	\$0.00	\$0.00	\$2,122.14	\$1,477,985.62	\$138,684.38
TOTAL MATCH EXPENSE	\$632,670.00	\$238,382.60	\$0.00	\$0.00	\$0.00	\$304,001.72	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$617,980.53	\$14,689.47
LMRWMO GRANT FUND BALANCE		\$276,463.72	\$212,956.51	\$212,956.51	\$9,226.73	-\$31,352.64	-\$31,352.64	\$13,804.14	\$115,182.00	\$115,182.00	\$114,992.52	\$114,992.52	\$114,992.52	\$112,870.38		

1. Includes \$35,000 from City, \$2,500 from Lake Augusta residents.  
Note: Budget reflects most recent BWSR work plan, not original work plan  
Note: Revenue and expenditures from 2016, 2017, 2018, and 2019 are shown but have been aggregated  
Represents an overpayment by BWSR to LMRWMO, immediately reimbursed back to state.

LMRWMO 2021 Financial Summary														Actual Revenues	
ESTIMATED REVENUES AND ASSETS	Budget	Dec 10 2020 - Jan 13 2021	Jan 14 - Feb 10 2021	Feb 11 - Mar 10 2021	Mar 12 - April 14 2021	April 15 - May 12 2021	May 13 - June 9 2021	June 10 - July 14 2021	July 15 - Aug 11 2021	Aug 12 - Sept 8 2021	Sept 9 - Oct 13 2021	Oct 14 - Dec 8 2021		Total	Variance
Use of Fund Balance	\$28,896.00													\$0.00	\$28,896.00
Dues from Members	\$110,224.00			\$48,007.65	\$62,216.70									\$110,224.35	(\$0.35)
Interest	\$600.00	\$43.47	\$43.24	\$56.34	\$46.68	\$29.25	\$35.14	\$47.23	\$24.70	\$35.50	\$34.50	\$68.38		\$464.43	\$135.57
Other/Grant Match	\$0.00	\$300.00	\$300.00											\$600.00	(\$600.00)
LMCIT Rebate	\$500.00	\$360.00												\$360.00	\$140.00
Other Grants	\$0.00													\$0.00	\$0.00
BWSR FY16-18 CWF, FY19 WBF, FY21 WBF Grants <sup>2</sup>	\$405,000.00			\$230,400.00		\$46,521.00	\$127,600.00							\$404,521.00	\$479.00
TOTAL	\$545,220.00	\$703.47	\$343.24	\$278,463.99	\$62,263.38	\$46,550.25	\$127,635.14	\$47.23	\$24.70	\$35.50	\$34.50	\$68.38		\$111,648.78	
														Actual Expenses	
ESTIMATED EXPENSES AND LIABILITIES	Budget	Dec 10 2020 - Jan 13 2021	Jan 14 - Feb 10 2021	Feb 11 - Mar 10 2021	Mar 12 - April 14 2021	April 15 - May 12 2021	May 13 - June 9 2021	June 10 - July 14 2021	July 15 - Aug 11 2021	Aug 12 - Sept 8 2021	Sept 9 - Oct 13 2021	Oct 14 - Dec 8 2021		Total	Balance Remaining
Engineering/Technical Assistance															
Technical Assistance	\$5,500.00	\$17.00		\$426.00	\$280.00	\$930.00		\$134.00	\$320.00		\$398.00	\$2,095.00		\$4,600.00	\$900.00
Meetings	\$6,000.00	\$725.00		\$781.00	\$675.00	\$2,946.00		\$900.00			\$675.00	\$1,875.00		\$8,577.00	(\$2,577.00)
Plan Reviews	\$0.00													\$0.00	\$0.00
Watershed Plan Amendment	\$40,000.00					\$5,076.50		\$1,275.00			\$920.00	\$5,200.00		\$12,471.50	\$27,528.50
Project Planning/Implementation															
Plan Implementation	\$0.00													\$0.00	\$0.00
Landscaping for Clean Water Projects	\$15,000.00		\$3,750.00						\$2,226.00			\$6,750.00		\$12,726.00	\$2,274.00
Water Monitoring	\$6,500.00	\$2,730.00	\$1,200.00			\$4,600.00			\$2,800.00			\$1,520.00		\$12,850.00	(\$6,350.00)
Education															
Landscaping for Clean Water Workshops	\$6,400.00								\$4,800.00			\$1,600.00		\$6,400.00	\$0.00
MN Water Stewards Program	\$10,500.00		\$520.00	\$6,000.00		\$2,240.00			\$1,440.00			\$400.00		\$10,600.00	(\$100.00)
Storm Drain Stenciling Program	\$0.00													\$0.00	\$0.00
Storwater Signage Program	\$2,500.00													\$0.00	\$2,500.00
WMO Tabling/Event Materials	\$600.00													\$0.00	\$600.00
Host Neighborhood or Lake Assn. Mtgs	\$1,200.00													\$0.00	\$1,200.00
General Education Requests <sup>3</sup>	\$8,500.00					\$120.00			\$7,740.00					\$7,860.00	\$640.00
Metro Watershed Partners Membership	\$1,000.00				\$1,000.00									\$1,000.00	\$0.00
Board Tour / Boat Tour	\$4,000.00													\$0.00	\$4,000.00
Website Maint.	\$1,700.00		\$225.00			\$320.00			\$200.00			\$600.00		\$1,345.00	\$355.00
CAC Coordination	\$1,120.00													\$0.00	\$1,120.00
Board Education	\$1,500.00													\$0.00	\$1,500.00
Administration															
General Administration <sup>4</sup>	\$35,000.00	\$2.00	\$4,012.00	\$4.00	\$2.00	\$15,370.00	\$2.00	\$4.00	\$7,150.77	\$2.00	\$2.00	\$11,107.95		\$37,658.72	(\$2,658.72)
Accounting Services	\$1,400.00													\$0.00	\$1,400.00
Insurance	\$2,500.00											\$2,279.00		\$2,279.00	\$221.00
Attorney and Audit	\$4,500.00	\$34.00	\$664.80	\$325.00			\$68.00	\$4,000.00			\$153.00			\$5,244.80	(\$744.80)
BWSR FY16-19 CWF & WBF Grants	\$550,000.00	\$0.00	\$203,729.78	\$270,979.37	\$0.00	\$1,364.22	\$26,222.14	\$0.00	\$189.48	\$0.00	\$0.00	\$2,122.14		\$504,607.13	\$45,392.87
Subtotal Operating Costs Only	\$155,420.00	\$3,508.00	\$10,371.80	\$7,536.00	\$1,957.00	\$31,602.50	\$70.00	\$6,313.00	\$26,676.77	\$2.00	\$2,148.00	\$33,426.95		\$123,612.02	
TOTAL EXPENSES	\$860,840.00	\$3,508.00	\$214,101.58	\$278,515.37	\$1,957.00	\$32,966.72	\$26,292.14	\$6,313.00	\$26,866.25	\$2.00	\$2,148.00	\$35,549.09		\$628,219.15	
Overall Fund Balance		\$376,255.11	\$162,496.77	\$162,445.39	\$222,751.77	\$236,335.30	\$337,678.30	\$331,412.53	\$304,570.98	\$304,604.48	\$302,490.98	\$267,010.27			
Total Clean Water Fund Grant Balance		\$212,956.51	\$9,226.73	-\$31,352.64	-\$31,352.64	\$13,804.14	\$115,182.00	\$115,182.00	\$114,992.52	\$114,992.52	\$114,992.52	\$112,870.38			
LMRWMO Operating Fund Balance		\$163,298.60	\$153,270.04	\$193,798.03	\$254,104.41	\$222,531.16	\$222,496.30	\$216,230.53	\$189,578.46	\$189,611.96	\$187,498.46	\$154,139.89			
Carryover from 2015	\$ 93,807.92														
Unencumbered Operating Fund Balance <sup>1</sup>		\$118,298.60	\$108,270.04	\$148,798.03	\$209,104.41	\$177,531.16	\$177,496.30	\$171,230.53	\$144,578.46	\$144,611.96	\$142,498.46	\$109,139.89			

Carryover Fund Balance from Dec. 10, 2020                   \$   379,059.64

2020 Budget Notes:  
1. \$45,000 total set aside in 2021 for Watershed Management Plan  
2. Budget is an estimate and will vary depending on grant project progress.  
3. Includes \$7,500 for Freshwater Study fundng on 8-11-21  
4. Added \$5,000 to budget for Seidls Lake grant application and coordination by Administrator

resourceful. naturally.  
engineering and environmental consultants



## Memorandum

**To:** Lower Mississippi River Watershed Management Organization Board of Managers  
**From:** Greg Williams and Joe Barten  
**Subject:** LMRWMO Plan Update – Review draft LMRWMO Goals, Strategies and Policies and LMRWMO Performance Standards  
**Date:** November 29, 2021  
**Project:** 23191436.00

The Lower Mississippi River Watershed Management Organization (LMRWMO) Plan identifies goals, strategies, and policies in Section 5 of its 2011 Watershed Management Plan. Goals, strategies, and policies are briefly defined in the Plan as:

**Goals:** Desired outcomes to help achieve the vision of the LMRWMO and the purposes of this plan.

**Strategies:** Activities the LMRWMO will undertake to help achieve their goals.

**Policies:** Standards that have been developed that require specific action of the member cities to help achieve the goals of the LMRWMO.

Among the Plan policies are **performance standards** (i.e., quantitative criteria that member cities must meet and/or require developers to meet when implementing projects). As part of the fourth generation Plan update, the Board of Managers will review and revise (as needed) the goals, strategies, policies, and performance standards. Ahead of the October 13, 2021 Board of Managers meeting, Barr Engineering Co. (Barr) reviewed the existing strategies and policies in the Plan and identified them according to the following system:

**Green highlight:** recommended including in the Plan with minimal update/modification

**Yellow highlight:** recommend including in the Plan with moderate/significant update

**Gray highlight:** recommend omitting from the Plan (or moving to new Plan section)

Following discussion at the October 13, 2021 meeting, Barr revised the existing goals, strategies, and policies with consideration for the gaps analysis completed in Fall 2020, the outcomes of citizen advisory committee (CAC) and technical advisory committee (TAC) meetings, and other engagement activities and Board discussion performed to date. The revised goals, strategies, and actions are provided in the attached document and shown in tracked changes. Red text indicates additional notes for consideration in reviewing the changes.

**To:** Lower Mississippi River Watershed Management Organization Board of Managers  
**From:** Greg Williams and Joe Barten  
**Subject:** LMRWMO Plan Update – Review draft LMRWMO Goals, Strategies and Policies and LMRWMO Performance Standards  
**Date:** November 29, 2021  
**Page:** 2

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The goals, strategies, and policies are currently organized into eight topic areas (see below); discussion of these topics at the December 8, 2021 and January 12, 2021 LMRWMO meetings is planned as follows:

- Water Quantity
- Water Quality
- Recreation, fish and wildlife habitat
- Wetlands

**December 8, 2021 Meeting**

- Groundwater
- Erosion and sediment control
- Public participation and education
- Administration

**January 12, 2022 Meeting**

Barr has also prepared a table summarizing performance standards (see attached). The table compares the existing LMRWMO performance standards to the Minnesota Pollution Control Agency's (MPCA's) Construction Stormwater General Permit and member city performance standards. The table also includes draft proposed LMRWMO performance standards presented with two levels of "intensity." In the current regulatory framework between the LMRWMO and its member cities, performance standards are implemented through Plan policies. Thus, it is appropriate to review performance standards concurrent with policies.

**Requested Manager Action:**

Review the proposed revisions to the goals, strategies, and policies for the topic areas planned for discussion at the December 8, 2021 meeting, as well as the relevant performance standards, and provide feedback/discussion at the December 8, 2021 meeting.

## Section 5 of Existing Plan reviewed for Strategy and Policy updates

**Green** = remain with minimal update

**Gray** = recommend omitting/deleting

**Yellow** = recommend updating

**Red text** = notes regarding revision/omission

### 5.2 Water Quantity (for discussion at December 8, 2021 LMRWMO Meeting)

The WMO recognizes the importance of minimizing effects of development and redevelopment to reduce existing and avoid future water resource problems. The following goals and policies have been developed to address volume control, rate control, flooding, and other water quantity related issues.

#### 5.2.1 WMO Goals

##### **A. Reduce stormwater runoff volumes by increasing infiltration and ground water recharge.**

Promote infiltration and reuse to reduce stormwater runoff volumes through the support of XX partner education workshops (e.g., landscaping for clean water) and support of XX master water stewards.

##### **B. Reduce existing flood occurrences and minimize future flood potential throughout the WMO.**

Reduce the number and/or flood risk of habitable structures within local floodplain areas in cooperation with member cities.

Revised goal attempts to add means of quantification and shift focus from minimize the flooding (largely driven by climate) to minimizing the impact.

#### 5.2.2 WMO Strategies

**A.** The WMO will establish stormwater volume reduction requirements taking into consideration variable development and redevelopment conditions. This may include establishing LID policies to provide increased volume control for development and redevelopment projects. (Goal 5.2.1 A, Goal 5.2.1 B) **Suggest the deletion of this strategy concurrent with the addition of a new policy requiring member cities to implement a volume control standard (currently implemented by all cities by Lilydale). Suggest that the performance standard allow variation between cities, but require volume retention similar to/based on MIDS and NPDES construction stormwater permit.**

**B.** The WMO will continue to use the previously established intercommunity “design flows” (stormwater flow rates that the stormwater management system is expected to convey with fully developed conditions in the watershed) as the design parameters for downstream improvements.

The WMO will continue to use fully developed conditions to establish intercommunity flow rates considered in the design and/or evaluation of stormwater improvements.

The WMO will also continue to use the previously established “allowable flows” (stormwater flow rate that an upstream community can discharge to a downstream community without incurring financial obligation for the stormwater system in the downstream community) as the basis for determining the financial obligation of member cities for intercommunity flooding and erosion control projects. Refer to **Appendix B** for the joint powers agreement and memoranda regarding established intercommunity design flow (allowable flow). (General Water Quantity)

The WMO will also continue the “allowable flow” methodology (i.e., an upstream community may discharge a calculated rate/volume to a downstream community without incurring financial obligation for the downstream stormwater system) as the basis for determining the financial obligation of member



## Section 5 of Existing Plan reviewed for Strategy and Policy updates

**Green** = remain with minimal update

**Gray** = recommend omitting/deleting

**Yellow** = recommend updating

**Red text** = notes regarding revision/omission

cities for intercommunity flooding and erosion control projects (as describe in the Joint Powers Agreement, see Appendix B).

**C. The WMO will coordinate intercommunity stormwater runoff design and planning with the member communities by:**

- **Reviewing the member cities' local watershed management plans for consistency with WMO goals and consistency with intercommunity planning.**
- **Calculating the cost apportionment allocation between cities for water resources projects with intercommunity participation. (General Water Quantity)**
- Reviewing individual projects for consistency with applicable standards at the request of member cities.

**D. The WMO will consider practicable solutions when involved with intercommunity water resources planning activities.**

- **All drainage studies or feasibility studies (whether by the WMO or a city) for projects in a subwatershed with intercommunity drainage, shall consider the impact of the project and the total intercommunity project cost.**
- **Any projects with intercommunity drainage issues shall not be implemented without prior completion of a feasibility study outlining improvement options and adoption of a preferred option by the WMO, except in emergencies. (General Water Quantity)**

Consider omitting as strategy and noting process in the Implementation section, or revising as noted below.

The WMO will continue to perform or require feasibility studies for projects impacting intercommunity drainage. Feasibility studies shall consider hydrologic and hydraulic impacts and intercommunity costs (if applicable). Studies performed by cities shall be provided to the WMO for review and comment prior to project implementation.

E. The WMO will promote the use of infiltration, stormwater reuse, and other low impact development (LID) practices through support of the partner cost share programs (e.g., Dakota SWCD Landscaping for Clean Water), support of Master Water Stewards, and coordination education and outreach activities with member cities.

### 5.2.3 WMO Policies

**A. Member cities are to reduce the amount of impervious surfaces through the use of Low Impact Development (LID) techniques to the greatest extent reasonable for new development and redevelopment projects, taking into consideration land use, zoning, topography, previous site uses, and site constraints. LID techniques may include, but are not limited to, those presented on the MPCA-Low Impact Development website, <http://www.pca.state.mn.us/water/stormwater/stormwaterlid.html>. (Goal 5.2.1 A, Goal 5.2.1 B) Consider revising to describe LMRWMO's role in promoting and encouraging LID (and moving to strategy above since it is focused on WMO role, not City role).**

**B. Member cities will not be allowed to use infiltration as a stormwater BMP in areas where there are known contaminants or in drinking water supply management areas/wellhead protection areas. In**



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addition, infiltration will not be encouraged where the soils are not suitable for infiltration or in areas where there is less than three feet of separation between the bottom of the infiltration system and the groundwater or bedrock. In-situ field tests shall be required to verify the infiltration rates of on-site soils prior to the construction of infiltration BMPs. (Goal 5.2.1 A, Goal 5.6.1 A) **Consider revising to reflect existing infiltration guidance (see below).**

Member cities shall maintain and enforce volume control/abstraction performance standards (where appropriate) based on or similar to the MPCA's Minimal Impact Design Standards (MIDS) or National Pollutant Discharge Elimination System (NDPES) Construction Stormwater General Permit. Member cities shall restrict or prohibit infiltration when site conditions warrant consistent with the guidance provided in the General Construction Stormwater Permit and MPCA's MS4 Stormwater General Permit.

**The "where appropriate" added specifically due to limitations for infiltration in Lilydale.**

Member cities shall require that infiltration/abstraction best management practices be designed consistent with guidance provided in the Minnesota Stormwater Manual and applicable City stormwater design guidance documents.

**C. Member cities are to provide pretreatment of stormwater prior to discharge to any new infiltration system to protect the functionality of the system. Pretreatment shall collect sediment, skim floatables, and be easily accessed for inspection and maintenance. (Goal 5.2.1 A, Goal 5.6.1 A) **Consider omitting as required per design guidance for infiltration systems.****

**D. The level of protection along all trunk conveyors, streams, and channels and around all wetlands, ponds, detention basins, and lakes shall be based on the critical duration 100-year event, which shall be defined as the 100-year, 24-hour rainfall or the 100-year, 10-day runoff event; whichever is greater. (Goal 5.2.1 B) **Consider revising or omitting this as it may not be achievable based on precipitation trends (i.e., systems originally meeting this may no longer meet this standard).****

**E. Design of new trunk stormwater systems should provide discharge capacity for the critical-duration runoff event that is not less than a 10-year frequency event. For open channel conveyance construction, the design criteria shall be for the critical 100-year event. Variances to this standard may apply in areas where in-place storm sewers are designed for a 5-year frequency event. (Goal 5.2.1 B) **Consider omitting storm sewer design criteria as member cities already design around this to the extent possible.****

**F. Design of new non-trunk stormwater systems should provide discharge capacity for the critical-duration runoff event that is not less than a 5-year frequency event, preferably a 10-year frequency event (level of service). Where the planned level of service would cause hardship in operation of a downstream system, the owner may design for a lesser level of service if the following circumstances are present:**

- The proposed new or replacement system will not have a longer life than that of the existing downstream system.**
- It is not practical to incorporate temporary measures into the new system to mitigate the effects of the new system on the downstream system. (Goal 5.2.1 B) **Consider omitting storm sewer design criteria as member cities already design around this to the extent possible.****

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**G.** Member cities are to ensure that proposed development, redevelopment, and/or infrastructure projects will not exceed the capacity of the existing downstream stormwater drainage system. (Goal 5.2.1 B) **Consider revising to reflect LMRWMO's interest in potential scenarios – member cities already require rate control. Is LMRWMO concerned about potential variances?**

Member cities shall inform the WMO of proposed projects that are expected to increase peak intercommunity flow rates or exceed the capacity of downstream drainage systems.

**H.** Member cities are to incorporate emergency overflow structures (e.g., swales, spillways), where feasible, into pond outlet structure designs to prevent undesired flooding resulting from storms larger than the 100-year (one percent) event or plugged outlet conditions. (Goal 5.2.1 B) **City design standards already require this.**

**I.** Member cities are to maintain ordinances or policies that allow the cities to secure easements over floodplains, detention areas, wetlands, ditches, and all other parts of the stormwater system as areas develop or redevelop. (Goal 5.2.1 B)

**J.** Member cities are to incorporate multi-stage outlets into their pond designs to control flows from smaller, less frequent storms and help maintain base flows in downstream open channels, where practicable. (Goal 5.2.1 B)

**K.** Member cities ~~are to maintain ordinances or policies that set~~ **shall require** minimum building elevations ~~(including basement)~~ at least one foot above the critical 100-year flood elevation for structures adjacent to inundation areas. ~~The cities should consider the effects of events larger than the 100-year flood when setting minimum building elevations–~~ Member cities are encouraged to require ~~higher~~ **higher** minimum building elevations ~~should be considered for structures adjacent to ponding areas with large tributary watersheds and~~ for structures adjacent to landlocked basins. (Goal 5.2.1 B) **Consider potential revisions to minimum building elevations.**

**L.** The WMO establishes the following policies regarding landlocked basins:

- The flood levels established in local (city) watershed management plans shall take into consideration the effects of water level fluctuations on trees, vegetation, erosion and property values. Steeply sloped shorelines that are subject to slope failure and shoreline damage should not be in contact with flood water for extended periods of time. (Goal 5.2.1 B)  
Member cities shall consider potential impacts to vegetation, erosion, water quality and public safety when designing, evaluating, and implementing strategies to manage water levels in landlocked basins.
- Only the existing tributary area may discharge to a landlocked basin, unless provision has been made for an outlet from the basin, or hydrologic analysis has been completed showing additional discharge to basin is acceptable. The form of outlet may range from temporary pumps to gravity storm sewers. The outlet is to be in place before increased water levels are likely to affect vegetation, slope stability and adjacent properties. (Goal 5.2.1 B)  
Member cities shall prohibit increases in tributary drainage area to landlocked basins unless improvements (e.g., outlet) are implemented to prevent increased flood risk (or analysis demonstrates no increased flood risk)

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- If outlets from landlocked basins are needed, member cities are encouraged, where practicable, to keep outflow rates low enough to allow for as much infiltration as possible. Drawdown time to within one foot of the normal water level should not exceed 48 hours to reduce damage to upland vegetation. (Goal 5.2.1 B)  
**Suggest omitting this policy due to the unique circumstances of each landlocked basin, adjacent structure elevations, and relationship with local water table. This is generally covered by the first bulleted item above.**
- When member cities establish high water elevations and whether outlets are needed for landlocked basins, member cities are encouraged, where practicable, to account for long duration events, such as multiple-year wet cycles and high runoff volume events (e.g., snowmelt events that last for many weeks). (Goal 5.2.1 B)  
Member cities are encouraged to consider long-duration precipitation and snowmelt events, prolonged periods of wet and dry conditions, and precipitation events larger than the 100-year event in evaluating and managing flood risk.  
**Consider moving this outside of the “landlocked basin” category as it applies more broadly.**
- Member cities need to consider both the water quality and flooding impacts of proposed outlets from landlocked basins on downstream water resources. (Goal 5.2.1 B) **Consider omitting as this is covered by including water quality in the first landlocked basin bullet above.**

**M.** Member cities are to require developers to provide Runoff Control Plans prepared by a licensed professional engineer for projects that disturb one or more acres of land. The Runoff Control Plan shall incorporate best management practices (BMPs) and shall conform to approved local water management plans.

Runoff Control Plans shall include the following:

- a. Property lines and delineation of lands under ownership of the project proposer.
- b. Delineation of the subwatersheds contributing runoff from off-site, and proposed and existing subwatersheds on-site.
- c. Location, alignment and elevation of proposed and existing stormwater facilities.
- d. Delineation of existing on-site wetlands, shoreland and/or floodplain areas. Removal or disturbance of streambank and shoreland vegetation should be avoided. The plan shall address how unavoidable disturbances to this vegetation will be mitigated.
- e. Existing and proposed normal, 5-year (or 10-year) and 100-year water elevations on-site.
- f. Existing and proposed site contour elevations related to the North American Vertical Datum (NAVD) of 1988.
- g. Construction plans and specifications of all proposed stormwater management facilities.
- h. Stormwater runoff volume and rate analyses for existing and proposed conditions.
- i. All hydrologic and hydraulic computations completed to design the proposed stormwater quantity and quality management facilities.
- j. Provision of outlots or easements for maintenance access to detention basins, constructed wetlands and other stormwater management facilities.
- k. Maintenance agreement between developer and city which addresses sweeping, pond inspection, sediment removal and disposal, etc.
- l. Documentation indicating conformance with the city’s existing local water management plan.

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m. Inlets to detention basins, wetlands, etc. shown at or below the normal water level.

n. Identification of receiving water body.

Consider omitting as this is required by each city's MS4 permit and including this level of detail is redundant.

Runoff Control Plans shall meet the following criteria:

- The peak rate of stormwater runoff from the developed subwatershed of the site shall not exceed the existing peak rate of runoff for the 5-year (or 10-year) and the 100-year return frequency critical duration storm events (encouraged to maintain the runoff rate for the 2-year storm event as well). For the purposes of this criteria, "subwatershed" may be the project site, or may be an area of greater size for which an approved local water management plan meets this criteria (e.g., regional detention basins).

Member cities shall require that projects triggering a City stormwater management plan shall not increase peak stormwater runoff rate leaving the site for the 2-year, 10-year, and 100-year storm event.

2-, 10-, and 100- year events are used by all cities except St. Paul, which has a different runoff rate standard (1.64 cfs per acre).

- A hydrograph method based on sound hydrologic theory shall be used to analyze stormwater runoff for the design or analysis of flows in conveyors, streams, and channels and flows to ponds and wetlands. Consider omitting as redundant to city practice
- Reservoir routing procedures and critical duration 100-year runoff events shall be used for design of detention basins and outlets. (Goal 5.2.1 B) Consider omitting as redundant to city practice

### 5.3 Water Quality (for discussion at December 8, 2021 LMRWMO Meeting)

There are many water bodies throughout the WMO that are valuable resources to the people of the area. The following goals and policies have been developed to maintain or improve water quality in surface waters throughout the WMO.

#### 5.3.1 WMO Goals

##### **A. Evaluate and track water quality trends within the WMO.**

Monitor and assess water quality trends in LMRWMO Level 1 and 2 priority waterbodies

Consider moving to strategies?

##### **B. Improve intergovernmental coordination regarding water quality management within the WMO.**

Consider omitting unless there are specific actions/objectives.

##### **C. Improve water quality within the WMO.**

Reduce sediment and phosphorus loading to the Mississippi River through the implementation of XX ravine improvement projects (include mass reduction, if it can be estimated) Consider including here or in a separate erosion/sedimentation section.

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Maintain or improve water quality in non-impaired LMRWMO priority waterbodies (reference a table of existing water quality/target water quality standards if no data)

Improve water quality in nutrient impaired Lake Augusta and Thompson Lake towards achieving applicable state water quality standards.

Reduce bacteria loading to Interstate Valley Creek through landowner education, outreach, and member city support.

Work with member cities to implement practices to reduce chloride use in the watershed.

### 5.3.2 WMO Strategies

**A.** The WMO will assist member cities in creating an equitable and cost-effective method to address the requirements of the South Metro Mississippi TMDL study and implementation plan and other TMDLs as they are completed. (Goal 5.3.1 B) – Suggest revising to assisting member cities, as feasible, in WQ projects that contribute to TMDL load reductions.

Assist member cities in designing and implementing water quality improvement projects to address pollutant load reductions identified in current and future Total Maximum Daily Load (TMDL) studies.

**B.** The WMO will continue to focus on the water quality of intercommunity water bodies. The WMO, at the discretion of the Board, may also work with individual member cities to address water quality issues within individual city boundaries. (Goal 5.3.1 C) – replace with waterbody priority

The WMO will work with member cities to maintain or improve the water quality of LMRWMO priority waterbodies through technical assistance, project cost-share, public/landowner education and outreach, and other means appropriate the waterbody priority and water quality issues.

The WMO will collaborate with member cities and other partners to implement training and outreach designed to reduce chloride use in the watershed, targeting municipal and private users.

**C.** The WMO will investigate the possibility of coordinating joint member contracts for maintenance to achieve economies of scale. Post construction stormwater management and good housekeeping practices for MS4 stormwater facilities shall comply with MPCA/MS4 requirements. (Goal 5.3.1 B) – Implementation activity, if continued.

**D.** The WMO will monitor DNR protected water bodies. Prioritization of water bodies for monitoring will be determined annually and by the WMO budget. Monitoring data from CAMP (Citizen Assisted Monitoring Program), WHEP (Wetland Health Evaluation Program), and CSMP (Citizen Stream Monitoring Program) should be taken into consideration so monitoring information is not being duplicated. (Goal 5.3.1 A) – revise to reflect monitoring of priority waterbodies

The WMO will monitor (or fund member city/partner monitoring) of WMO priority level 1 and 2 lakes and streams through the Citizen Assisted Monitoring Program (CAMP) or similar programs. The WMO will work with member cities to recruit and leverage volunteers, where possible. The WMO will defer monitoring of the Mississippi River to state and regional partners.

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The WMO will use available monitoring data to assess water quality trends in WMO priority waterbodies.

**E.** The WMO will monitor select storm sewers and streams that outlet to the Mississippi River. Prioritization of storm sewers and streams will be determined annually and by the WMO budget. Monitoring parameters should be consistent with downstream impairments and may be modified at the discretion of the Board. Possible parameters include: Total Phosphorus, PCBs (Polychlorinated biphenyls), PFOS (Perfluorooctane sulfonate), Fecal Coliform, Turbidity, and Dissolved Oxygen. (Goal 5.3.1 A) – Consider as implementation? Combine with other monitoring strategy?

**F.** The WMO shall attempt to develop a water quality cost allocation formula for intercommunity projects by the year 2015. In the interim, the WMO will address each project individually. (Goal 5.3.1 B)  
– Done, will use it.

The WMO will use the “allowable load” water quality cost allocation methodology to allocate intercommunity water quality project costs among affected member cities, as needed (add reference to methodology as appendix?)

**G.** The WMO requires MnDOT, Ramsey County, Dakota County, and other governmental agencies to meet the water quality treatment requirements outlined in this plan for runoff leaving their right-of-way, facilities, or easements. Regular maintenance of their stormwater facilities shall also be performed. (Goal 5.3.1 B)

**H.** The WMO will recruit volunteers, through the use of its CAC, and encourage member cities to recruit volunteers to participate in the WMO’s monitoring activities. Where necessary, volunteers would be provided training on MPCA-accepted protocol to ensure that the data is acceptable for the MPCA EQUIS Database. (Goal 5.3.1 A) - combined with general monitoring strategy above.

**I.** The WMO will use a similar water body classification system to that of the MPCA. – address in policy with standards/classifications

The WMO will maintain a list of priority waterbodies classified according to water quality issues, recreational and ecological value, intercommunity location, and other factors. The WMO will consider waterbody priority level when designing and executing the WMO implementation schedule (see Section X) and in annual work planning.

**Table 5-1** will be used to help classify water bodies as deep lakes, shallow lakes, wetlands, and ponds. The pond column has been added to the MPCA’s table by the WMO to provide a classification for water bodies that may be considered ponds. The classification system determines whether a water body should be managed as a deep lake, shallow lake, wetland, or pond. For water bodies classified as wetlands, member cities must use a wetland management classification system that considers the susceptibility of the wetlands to degradation by stormwater. The WMO requires the member cities use a wetland classification system that ranks the wetlands and sets wetland management standards based on the rank and desired level of protection. (Goal 5.3.1 A, Goal 5.3.1 C)

**Table 5-1: Factors Used to Classify Deep Lakes, Shallow Lakes, Wetlands, and Ponds**

Factor	Deep Lakes	Shallow Lakes	Wetlands	Ponds
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Public Waters Inventory Code	Typically coded as "L or LP" in PWI	May be coded as either "L, LP or LW" in PWI	Typically coded as "LW" in PWI	May be coded as either "L, LP or LW" in PWI
Depth, max.	Typically > 15 feet	Typically < 15 feet	Typically <7 feet	Typically <10 feet
Littoral area	Typically < 80%	Typically >80%	Typically 100%	Typically 100%
Area (min.)	> 10 acres (Bulletin 25)	> 10 acres (Bulletin 25)	No minimum	No minimum
Thermal stratification (summer)	Stratification common but dependent upon depth	Typically do not stratify	Typically do not stratify	Typically do not Stratify
Fetch	Significant fetch depending on size & shape	Fetch is variable depending on size & shape	Rarely has a significant fetch	Rarely has a significant fetch
Substrate	Consolidated sand/silt/gravel	Consolidated to mucky	Mucky to unconsolidated	Variable
Shoreline features	Generally wave formed, often sand, gravel or rock	Generally wave formed, often sand, gravel or rock	Generally dominated by emergents	Generally dominated by emergents
Emergent vegetation & relative amount of open water	Shoreline may have ring of emergents; vast majority of basin open water	Emergents common, may cover much of fringe of lake; basin often has high percentage of open water	Emergents often dominate much of basin; often minimal open water	Emergents common, may cover much of fringe of pond; basin often has high percentage of open water
Submergent vegetation	Common in littoral fringe, extent dependent on transparency	Abundant in clear lakes; however may be lacking in algal dominated turbid lakes	Common unless dominated by an emergent like cattail	Common unless dominated by an emergent like cattail
Dissolved Oxygen	Aerobic epilimnion; hypolimnion often anoxic by midsummer	Aerobic epilimnion but wide diurnal flux possible	Diurnal flux & anaerobic conditions common	Variable
Fishery	Typically managed for a sport/game fishery. May be stocked. DNR fishery assessments typically available	May or may not be managed for a sport fishery. If so, fishery assessment should be available. Winter aeration often used to minimize winterkill potential	Typically not managed for a sport fishery. Little or no DNR fishery information. Seldom aerated. May be managed to remove fish & promote waterfowl	Not managed for a sport fishery
Uses	Uses Wide range of uses including boating, swimming, skiing, fishing; boat	Boating, fishing, waterfowl production, hunting, aesthetics;	Waterfowl & wildlife production, hunting, aesthetics. Unimproved boat	Typically manmade basins. Important for flood protection



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	ramps & beaches common	limited swimming; may have boat ramp, beaches uncommon	ramp if any. No beaches	and runoff pollutant removal
Note: This table was developed by the MPCA and is located in the <i>Guidance Manual for Assessing the Quality of Minnesota Surface Waters</i> . The “Ponds” column was added by the WMO for the purposes of this Plan. It is important to note that the MPCA does not have a pond classification.				

**Table 5-2** shows the WMO’s water quality goals based on classification.

**Table 5-2: Water Quality Goals for Classified Water Bodies in the WMO**

Classification	TP (ppb)	Chl-a (ppb)	Secchi (meters)
Deep Lakes	≤ 40	≤ 14	≥ 1.4
Shallow Lakes	≤ 60	≤ 20	≥ 1.0
Wetlands	NA	NA	NA
Ponds	NA	NA	NA
Note: The water quality goals shown in this table are consistent with the goals shown in the MPCA’s <i>Guidance Manual for Assessing the Quality of Minnesota Surface Waters</i> .			

### 5.3.3 WMO Policies

**A.** Member cities shall require a 50% total phosphorus removal from runoff leaving new development and redevelopment projects that exceed one acre of land disturbance (for this policy, mill and overlay and pavement rehabilitation projects are not considered land disturbance). For areas that discharge directly to the Mississippi River or to an impaired water body for which a TMDL has been completed, the findings of the TMDL may replace this requirement (whether more or less stringent).

The required reduction of total phosphorus may be accomplished through the use of regional or on-site stormwater BMPs such as: ponds, NURP (National Urban Runoff Program) basins, infiltration basins, biofiltration, vegetated swales, mechanical devices, porous pavements, or any other techniques effective at phosphorus reduction. (Goal 5.3.1 C) – Not consistent with cities. Consider something more closely aligned with MCPA, MIDS, or City standards.

Member cities shall require non-linear development and redevelopment projects disturbing one acre or more to provide permanent stormwater treatment to achieve:

At least 50% reduction in total phosphorus from runoff

OR

Infiltration/retention of at least 1.0 inches of runoff from new or redeveloped impervious area

The above requirements may be achieved via on-site BMPs and/or regional stormwater treatment, consistent with the local requirements of each member city.



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**B.** Linear construction projects should meet policy 5.3.3A where possible and feasible. Linear projects will be required to meet NPDES Construction Permit requirements. (Goal 5.3.1 C) **Suggest addressing in above policy via a design flow sequence**

Member cities shall require linear projects disturbing more than one acre to provide permanent stormwater treatment for consistent with member city performance standards and NPDES Construction Stormwater Permit requirements, as applicable.

**Consider policy for priority “overlay zones”:**

For projects located in pollutant loading priority areas (TBD), member cities are encouraged to implement more stringent stormwater treatment performance standards and/or engage developers in private/public partnerships to achieve water quality treatment above and beyond minimum required performance standards.

**C.** For stormwater discharge points/outfalls that did not exist prior to the adoption of this plan: member cities are to provide pretreatment of stormwater prior to its discharge to wetlands and other water resources. Pretreatment shall collect sediment, skim floatables, and be easily accessed for inspection and maintenance. (General Water Quality) **believe this is required by MS4**

**D.** For replacement discharge points/outfalls or existing stormwater discharge points/outfalls: the WMO encourages member cities to provide pretreatment of stormwater prior to its discharge to wetlands and water resources. (General Water Quality) **suggest replacing with broader redevelopment policy**

Member cities are encouraged to identify and pursue opportunities for stormwater quantity and stormwater quality improvement retrofits during reconstruction of existing City infrastructure.

## **5.4 Recreation, Fish and Wildlife Habitat (for discussion at December 8, 2021 LMRWMO Meeting)**

The WMO has many natural areas that are popular recreation sites and provide excellent fish and wildlife habitat. The following goals and policies have been developed to enhance water based recreational opportunities and protect and improve fish and wildlife habitat. In addition, many of the other goals, strategies, and policies outlined throughout **Section 5** will result in improved recreational opportunities and fish and wildlife habitat.

### **5.4.1 WMO Goals**

**A.** Protect and enhance fish and wildlife habitat and recreation opportunities and maintain shoreland integrity. **Suggest reorganizing statement to emphasize the actions/strategy of the WMO to benefit wildlife and recreation (i.e., habitat/recreational benefits are likely secondary to primary objectives of WMO actions).**

Maintain and improve water quality and shoreline integrity to promote fish and wildlife habitat and recreational opportunities.

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Promote the incorporation of habitat benefits into stormwater BMPs via support of partner cost-share programs (e.g., Dakota SWCD Landscaping for Clean Water) and technical assistance for/review of partner projects.

Prevent the increase or minimize the occurrence of aquatic invasive species in collaboration with member cities. What strategies or actions to support?

### 5.4.2 WMO Strategies

**A.** The WMO will promote and encourage protection of non-disturbed natural shoreland areas and restoration of disturbed shorelines and streambanks to their natural state through participation in Blue Thumb or other educational programs. (Goal 5.4.1 A) **revise to update programs? Will efforts be limited or prioritized based on waterbody priority?**

The WMO will support partner cost-share programs to implement shoreline protection, shoreline restoration, and upland restoration projects (e.g., Dakota SWCD Landscaping for Clean water or similar programs)

**B.** The WMO supports water quality improvements in order to maintain or improve water quality and the habitat consistent with intended use and classifications of lakes, streams, wetlands, and ponds. (Goal 5.4.1 A, Goal 5.5.1 A) **revise to clarify what type of support, when?**

The WMO will work with member cities and partners to identify and pursue opportunities to incorporate habitat and/or recreations benefits into WMO and member city projects, as requested.

The WMO will support engagement and outreach efforts to promote habitat improvement via support of Master Water Stewards and education and outreach in collaboration with member city and partner environmental services staff.

The WMO will work with member Cities to identify shoreline degradation issues and prioritize opportunities for shoreline restoration and protection actions.

**C.** The WMO will encourage the appropriate development of access to water bodies for recreation and education. (Goal 5.4.1 A) **revise or cut depending on how WMO wants to support access/recreation? Specific roles?**

### 5.4.3 WMO Policies

**A.** The WMO requires member cities to consider landscape designs for projects located in close proximity to natural areas or greenways to:

1) increase beneficial habitat, wildlife and recreational uses; promote infiltration and vegetative water use; and

2) decrease detrimental wildlife uses (such as beaver dams, goose overabundance) that damage water control facilities, shoreline vegetation, water quality or recreational facilities. (Goal 5.4.1 A, Goal 5.5.1 A)

Member cities shall consider and pursue, as feasible, opportunities to incorporate habitat, wildlife, and other ecological benefits during reconstruction of City infrastructure.

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Member cities are encouraged to required proposers of projects disturbing more than one acre of land to meet with City environmental staff to evaluate opportunities to incorporate, maximize, or preserve habitat and ecological benefits as part of project development.

**B. The WMO requires member cities to prioritize shoreland areas for restoration. Shoreland areas include streambanks and lakeshore areas. The cities will be required to address this issue in their local watershed management plans. (Goal 5.4.1 A) – move to strategy to work with cities?**

Member cities shall identify and keep record of priority shoreline degradation issues within their jurisdiction.

**C. Member cities are required to maintain a shoreland ordinance that is, at a minimum, in conformance with the requirements of the Minnesota DNR. (Goal 5.4.1 A)**

Member cities shall maintain and enforce shoreland development standards that are at least as stringent as the requirements of the Minnesota DNR and included in Minnesota Rules 6120.

**D. The WMO requires member cities within the Mississippi River Critical Corridor Area/Mississippi National River Recreation Area (MRCCA/MNRRRA) to conform to the current rules for areas within the MRCCA/MNRRRA. (Goal 5.4.1 A)**

Member cities are required to maintain and enforce local land use controls within the Minnesota River Critical Corridor Area consistent with Minnesota Rules 6106.

## 5.5 Wetlands (for discussion at December 8, 2021 LMRWMO Meeting)

There are many wetlands located throughout the WMO that provide wildlife habitat and offer a natural method of conveying and storing stormwater. The following goals and policies have been developed to manage existing wetlands and restore drained wetlands where possible.

### 5.5.1 WMO Goals

**A. Enhance or protect wetlands from the adverse impacts of development and redevelopment.**

Pursue no net loss of wetlands due to human activity via support of member city roles as local governmental units (LGUs) responsible for wetland management.

### 5.5.2 WMO Strategies

**A. The WMO will continue to support member city management efforts to improve wildlife habitat, aesthetic enjoyment, and other public uses of wetlands adjacent to parks. (Goal 5.5.1 A, Goal 5.4.1 A)**  
**Should clarify what types of support the WMO offers. What will LMRWMO do vs Cities?**

The WMO will support member city roles as LGU for administration of the Wetland Conservation Act (WCA) via technical assistance and participation in technical evaluation panels (TEPs), as requested.

The WMO will collaborate with partner to develop and distribute educational information regarding the protection and preservation of wetlands by property owners.

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B. The WMO will continue in the support of wetlands for inclusion in Wetland Health Evaluation Program (WHEP). (Goal 5.5.1 A) **Suggest omitting unless the WMO is funding this monitoring.**

### 5.5.3 WMO Policies

A. Member cities ~~are to~~ **shall continue to serve as** local governmental units (LGUs) responsible for administering the Wetland Conservation Act (WCA). MnDOT is the LGU for the WCA on its rights-of-way. (Goal 5.5.1 A)

B. **An average 15 foot buffer of natural vegetation above the 100-year High Water Level (if established) or wetted boundary is required by the WMO around lakes, streams, and wetlands, upon new or redevelopment projects that exceed one acre in land disturbance (for this policy, mill and overlay and pavement rehabilitation projects are not considered land disturbance).** (Goal 5.5.1 A, Goal 5.4.1 A) **Many member cities have more stringent buffer standards. Suggest revising to reflect more stringent buffer standards, or at minimum delegate buffer limits to cities based on MnRAM (or similar) classification but no less than XX feet.**

Member cities shall maintain and enforce wetland buffer requirements for development and redevelopment projects disturbing one acre or more. Vegetated wetland buffer distances shall be based on MnRAM wetland classification (or similar methodology) and shall be an average of at least XX feet.

Member cities shall maintain and enforce stream and lake buffer requirements for development and redevelopment projects disturbing one acre or more. Vegetated buffers adjacent to streams and lakes shall be an average of at least XX feet.

C. Member cities ~~are to~~ **shall** inventory, classify and determine the functions and values of wetlands, either through a comprehensive wetland management plan or ~~through the review of~~ **for development or and** redevelopment projects that ~~exceed~~ **disturb** one acre ~~or more~~. ~~For cities facing significant development or redevelopment, the WMO recommends that they complete comprehensive wetland management plans. The cities could complete the plans in phases, focusing on the areas where the information is most needed, such as areas within the 2030 MUSA. They should do this either as part of their local watershed planning process or as an implementation task identified in the local plan.~~ Member cities ~~developing or updating shall submit~~ **their comprehensive wetland management plans shall submit these plans** to the WMO for review and comment. (Goal 5.5.1 A, Goal 5.4.1 A) **This requires member cities to classify wetlands in comprehensive plan or as part of project permitting; this reflects current city practice.**

D. The WMO requires that member cities use a wetland classification system that ranks the wetlands and sets wetland management standards based on the rank and desired level of protection (e.g. highest to lowest protection). The wetland management standards should include buffer strip width, structural setback distance from buffer strip, amount of pretreatment required for phosphorus removal, storm bounce restrictions, and susceptibility of the wetlands to degradation by stormwater inputs. (Goal 5.5.1 A) **Consider omitting as this is covered by buffer policy and city zoning codes. Pretreatment is required for discharges per NPDES permit. Stormwater bounce restrictions are not widely implemented, and the guidance was never formally adopted by the state.**

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### 5.6 Groundwater Protection (for discussion at January 12, 2021 LMRWMO Meeting)

The WMO recognizes the importance of groundwater on its drinking water sources and the overall hydrology of the area. The following goals and policies have been developed to protect groundwater quality and supply throughout the WMO.

#### 5.6.1 WMO Goals

##### A. Protect groundwater resources within the WMO.

Promote the protection of groundwater quality and quantity through annual collaboration with Dakota County, Minnesota Department of Natural Resources, and/or other agencies managing groundwater.

Promote groundwater conservation, infiltration, and water reuse through support of Master Water Stewards and at least XX education and outreach activities per year.

#### 5.6.2 WMO Strategies

A. The WMO will work to improve the quality and availability of groundwater data. In addition, the WMO will coordinate with other agencies to identify sources or potential sources of groundwater pollution. (Goal 5.6.1 A) **Revise to clarify the role of the LMRWMO. What types of actions will the LMRWMO perform?**

The WMO will participate in regional groundwater planning efforts through annual collaboration with Dakota County, Minnesota DNR, Minnesota Department of Health, and other agencies managing groundwater.

The WMO will collaborate with member cities and other partners to promote individual landowner practices that protect groundwater resources through the development and distribution of educational materials, support of partner cost-share, workshops, and other events.

B. The WMO will advocate for larger scale State monitoring and evaluation of LID (Low Impact Development) techniques on groundwater. (Goal 5.6.1 A) **Suggest omitting from policy and including as an activity, if desired, in implementation.**

C. The WMO will support the policies in the Dakota County and Ramsey County groundwater plans. (Goal 5.6.1 A) **Incorporated into revised strategy A (no specific roles for LMRWMO outlined in Dakota County GW Plan)**

#### 5.6.3 WMO Policies

A. Member cities are to encourage groundwater recharge and are required to protect recharge areas from potential sources of contamination. The cities should also provide increased green space, native vegetation, and pond “dead” storage, wherever possible and appropriate, to allow for the infiltration of stormwater runoff and promote groundwater recharge. (Goal 5.6.1 A, Goal 5.2.1 A) **Suggest combining with Policy C and referencing the extensive existing guidance about use and protection if infiltration areas.**

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Member cities shall promote or require infiltration through performance standards based on or similar to the MPCA's Minimal Impact Design Standards (MIDS) or National Pollutant Discharge Elimination System (NDPES) Construction Stormwater General Permit. Member cities shall restrict or prohibit infiltration when site conditions warrant consistent with the guidance provided in the General Construction Stormwater Permit and MPCA's MS4 Stormwater General Permit.

Above language is very similar to policy from "water quantity" section but slightly rephrased to emphasize the infiltration component

Member cities shall require that infiltration/abstraction best management practices be designed consistent with guidance provided in the Minnesota Stormwater Manual and applicable City stormwater design guidance documents.

**B. Member cities ~~responsible for~~ with wellhead protection plans ~~should~~ shall follow the requirements outlined in those plans for managing groundwater within wellhead protection areas. (Goal 5.6.1 A)**

**C. The WMO encourages its member cities to use stormwater BMPs (such as grassed waterways, biofiltration, porous pavements, etc.) to maximize infiltration, where feasible and not detrimental to groundwater supplies. (Goal 5.6.1 A, Goal 5.2.1 A) Addressed via revised Policy A.**

**D. Each WMO member city is to maintain updated records of all known on-site septic systems and prohibit installation of new individual sewer systems or alteration, repair or extension of existing systems when connection can be made to the city sanitary sewer system. The cities are to notify property owners with on-site septic systems that they are required to connect to the cities' sanitary sewer, if available.**

The cities are to also develop management programs and ordinances for subsurface sewage treatment systems (SSTS) that are consistent with MPCA standards and Minnesota Rules 7080 to 7083. (Goal 5.6.1

**A) Suggest omitting based on assumption that LMRWMO will not be assuming a role for SSTS management.**

**E. Member cities should work with their counties in effort to promote awareness of groundwater resource issues through public education and information programs. (Goal 5.6.1 A, Goal 5.8.1 B) Suggest omitting as WMO has strategy to collaborate with Cities and County to promote groundwater issue awareness.**

**F. Member cities are to support the policies in the Dakota County and Ramsey County groundwater plans. Updated to include specific cooperative actions from the Dakota GW Plan.**

Member cities shall coordinate with Dakota County or Ramsey County, as applicable, to receive and share well-testing and SSTS data collected and maintained by the counties.

## 5.7 Erosion and Sedimentation (for discussion at January 12, 2021 LMRWMO Meeting)

Erosion and sedimentation cause surface water quality degradation, habitat damage, and other water resource issues. The following goals and policies have been developed to prevent and minimize sedimentation from areas prone to erosion.

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### 5.7.1 WMO Goals

#### A. Minimize erosion, sedimentation, stream degradation, and related issues within the watershed.

Reduce sediment loading to the Mississippi River through the implementation of XX ravine improvement projects

Prevent or mitigate the impact of local erosion issues through the promotion of partner cost-share programs (e.g., Dakota County Landscaping for Clean Water)

### 5.7.2 WMO Strategies

**A. The WMO shall address intercommunity erosion and sediment control issues. (Goal 5.7.1 A)** **Revise to clarify the role and potential activities LMRWMO will take to address intercommunity erosion issues? Will this be limited to intercommunity, or consider priority waters (e.g., erosion of MS river ravines?)**

The WMO will cooperate with member cities and other partners to address intercommunity erosion issues through technical assistance, programmatic support, and/or support for implementation of capital projects as applicable to specific issues and locations, prioritizing areas that drain to priority waterbodies or directly to the Mississippi River.

**B. The WMO will facilitate joint certification training for member city staff on designing and inspecting erosion control plans and inspecting erosion control measures. (Goal 5.7.1 A, Goal 5.8.1 A)** **Consider omitting if this strategy has not been pursued. MPCA or others may be more suited to this role?**

**C. The WMO will coordinate/conduct non-certification training for “other” city staff (streets, parks, building inspections) to address items in MS4 permit (e.g. mowing and erosion control). (Goal 5.7.1 A, Goal 5.8.1 A)** **Consider omitting if this strategy has not been pursued. MPCA or others may be more suited to this role?**

The WMO will continue to support partner cost-share, grant, and public education programming that seeks to implement small-scale stabilization and restoration projects (e.g., shoreline stabilization) and increase the use of pollution prevention practices within watershed communities.

### 5.7.3 WMO Policies

**A. Member cities must adopt, administer, implement and shall continue to maintain and enforce ordinances-local controls addressing erosion and sediment control, including the permitting and inspection of such controls. The ordinanceLocal controls must be in conformance with the NPDES Construction Stormwater General Permit and City MS4 Stormwater Permitstandards, at a minimum. The WMO suggests that the cities use the MPCA’s model ordinance, which covers overall stormwater management. (Goal 5.7.1 A)**

**B. Member cities are to require erosion control plans for land development and construction work that will disturb one or more acres of land. Local watershed management plans and city ordinances are to include the requirements and procedures for reviewing, approving and enforcing the erosion control**



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plans. Erosion Control Plans shall be prepared by a qualified individual and shall conform to the MPCA's NPDES General Permit to Discharge Stormwater from Construction Sites.

The erosion control plan shall also conform to all future NPDES stormwater regulations that apply to erosion control. (Goal 5.7.1 A). **Consider omitting as redundant to MPCA general construction stormwater permit and MS4 requirements. LMRWMO may consider including something similar encouraging or requiring plans for sites that would not trigger NPDES permit.**

Member cities are encouraged to require erosion and sediment control plans for projects disturbing less than one acre of land to minimize erosion and sedimentation during construction.

C. Acceptable erosion in drainage ways is limited to that which causes no net degradation of the watercourse or destruction of properties adjacent to the watercourse.

- Measures to alter the natural course and meandering of streams will be discouraged, except when foreseeable erosion threatens to damage structures, utilities or natural amenities, or impair the drainage system.
- Land use adjacent to watercourses shall be regulated to allow for the reasonably expected natural behavior of streams. (Goal 5.7.1 A)

**Suggest omitting this policy, as phrased, as it is already covered by public waters law, buffers requirements and city shoreland ordinances consistent with MDNR standards (already covered by proposed policy).**

D. **Member cities shall require that Design-design of stream bank stabilization and streambed control measures should consider unique or special site conditions, energy dissipation potential, adverse effects, preservation of natural processes and habitat, and aesthetics, in addition to standard engineering and economic criteria. (Goal 5.7.1 A)**

**The following sections are planned for  
discussion at the January 12, 2021 LMRWMO Meeting**



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### 5.8 Public Participation and Education (for discussion at January 12, 2021 LMRWMO Meeting)

The WMO desires to foster responsible water quality management practices by educating residents, business owners, member city staff, elected officials, and developers about proper water resource management. It is important for these audiences to recognize their role in responsible water resource management in their homes, businesses, and practices, to help preserve and improve the resources present within the WMO. The following goals and policies have been developed to increased public participation and provide improved awareness on water resource issues throughout the WMO.

#### 5.8.1 WMO Goals

**A. Expand the WMO's education and public involvement efforts to provide more assistance to the member cities.**

Increase community awareness of water and natural resource management issues via outreach activities and cooperation with member city and partner education and outreach programs.

**B. Increase public awareness of human impacts on water quality and habitat and explore ways to increase active citizen involvement.**

Increase community capacity to implement water and natural resource stewardship practices via outreach, support of Master Water Stewards, and support of partner engagement programs.

#### 5.8.2 WMO Strategies

**A. The WMO will develop and use email lists to communicate WMO activities, information, and announcements. (Goal 5.8.1 A, Goal 5.8.1 B) Update to include additional communication media**

The WMO will develop and maintain electronic communication distribution lists as necessary to communicate WMO activities and information.

**B. The WMO will develop appropriate, targeted educational content regarding water resource issues to be used by member cities for distribution to and use by various citizen groups such as: homeowners and renters; youth groups; and community groups such as Rotary, Lions, Kiwanis, ROMA (Responsible Owners and Managers Organization), WSCO (West Side Citizens Organization), All Around the Neighborhood, Chamber of Commerce, etc. The WMO will also utilize water resource materials to educate the public at community events and festivals throughout the WMO. (Goal 5.8.1 A, Goal 5.8.1 B)**

The WMO will engage with Metro Watershed Partners, member cities, and/or other partners to develop and distribute educational materials addressing priority water and natural resource issues within the watershed.

The WMO will work with member cities to increase engagement of diverse communities within the watershed through targeted outreach activities.

**Specific audiences/methods may be noted in the education subsection of the implementation section of the Plan.**

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C. The WMO will maintain the WMO website to communicate watershed news, events, and other applicable water and natural resource information. ~~WMO website address shall be included on all distributed material and will be updated regularly to serve as an additional source for watershed information~~ (Goal 5.8.1 A, Goal 5.8.1 B)

D. The WMO shall seek citizen involvement to assist in the monitoring of water bodies or outlets (storm sewer or streams) to the Mississippi River. CAMP, WHEP, and CSMP are three programs that currently monitor water bodies in the WMO. The WMO shall solicit citizens (starting with the 3rd Generation Plan CAC) to either join these programs or start a new program for monitoring its water bodies. (Goal 5.8.1 B, Goal 5.3.1 A) **Update to reflect current goals for volunteers, leveraging of master water stewards.**

The WMO will continue to promote watershed resident involvement through volunteer opportunities and support of Master Water Stewards.

E. The WMO will continue to participate in the Blue Thumb Program or other similar programs. (Goal 5.8.1 B) **Revise to reference landscaping for clean water.**

The WMO will continue to support Dakota SWCD Landscaping for Clean Water and/or similar programs.

F. The WMO will continue to support Clean Water Minnesota Media Campaign or develop “catchy” educational information, possibly through the use of an ad agency, focusing on water quality within the community. The ad agency may provide varying media techniques depending on the audience being targeted. Educational components shall be updated to avoid redundancy. (Goal 5.8.1 A, Goal 5.8.1 B) **Consider omitting as replaced by support for Metro Watershed Partners**

### 5.8.3 WMO Policies

A. Member cities’ City Engineers and Public Works Officials are encouraged to attend Board Meetings to provide technical advice and information to the Board. (General Public Participation and Education)

B. Member cities are to make information available to active community groups such as Rotary, Lions, Kiwanis, ROMA (Responsible Owners and Managers Organization), WSCO (West Side Citizens Organization), All Around the Neighborhood, and Chamber of Commerce to educate and increase awareness of water resource issues throughout the WMO. (Goal 5.8.1 A, Goal 5.8.1 B) **Suggest eliminating specific references to organizations. Consider requiring link/reference to LMRWMO website/contact info?**

Member cities shall continue to implement education and outreach programs consistent with MS4 permit requirements and engage the WMO in these efforts, as appropriate.

## 5.9 Administration (for discussion at January 12, 2021 LMRWMO Meeting)

The WMO’s administration can have a significant impact on the success of the 3rd Generation Watershed Management Plan. The following goals and policies are aimed at operational activities associated with water resource management within the WMO.

### 5.9.1 WMO Goals

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**A. Meet the requirements set forth in the Metropolitan Surface Water Management Act regarding the management of a watershed management organization.**

Execute the activities included in the LMRWMO implementation program while promoting efficiency, limiting organizational redundancy, and leveraging skills of partner organizations.

**B. Increase efficiency of programs throughout the WMO and provide increased economic opportunities for the WMO and its member cities.**

Maximize the financial capacity of the WMO through the pursuit, acquisition, and responsible use of grant and cost-share funding.

### 5.9.2 WMO Strategies

**A. The WMO will explore opportunities to partner with other WMO/WD programs and County programs. The updates of neighboring WMO/WD plans may be an opportunity to explore these partnerships. (Goal 5.9.1 A, Goal 5.9.1 B) Suggest revising to clarify what partnerships might address (projects, monitoring, outreach, studies).**

The WMO will continue to pursue partnerships with member cities, Dakota SWCD, and other organizations to pursue common objectives. Partnerships may include shared expertise and financial support for planning, programs, and/or projects.

**B. The WMO will continue to publish an annual newsletter summarizing its activities for public distribution. (Goal 5.8.1 A, Goal 5.8.1 B) Revise to address annual reporting and progress assessment**

The WMO will continue to summarize its activities in an annual report made available via the WMO website.

The WMO will assess progress towards goals at least biennially and update the status of items included in its implementation program.

**C. The WMO will assist member cities (including being the applicant) in pursuing/securing grants for projects contained within an individual city and those that cross city boundaries. The WMO will manage grant funding for intercommunity projects, if requested. (Goal 5.9.1 A, Goal 5.9.1 B) Does strategy (or other Plan text) need to clarify LMRWMO roles regarding grant admin? E.g., LMRWMO may administer grants for intercommunity projects?**

**D. The WMO will adhere to BWSR administrative performance standards (e.g. data practices policy, project and program expenditures, Board training, operational guidelines, water quality and watershed yield trends, and public information and education outcomes). (Goal 5.9.1 A) Consider omitting as this is a minimum requirement.**

**E. The WMO will utilize ad hoc subcommittees for special projects. (Goal 5.9.1 A, Goal 5.8.1 B) Consider omitting as strategy and describing in subsection of Implementation section that describes project implementation.**

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F. The WMO will initiate the development of an eight to twelve member permanent CAC to serve as an ongoing advisory group. Citizens will be solicited as needed until the desired number is met. (Goal 5.9.1 A, Goal 5.8.1 B)

The WMO will convene a citizen advisory council (CAC) as needed to provide input on WMO programs and projects.

G. The WMO will continue to transition to an all-citizen Board. (Goal 5.9.1 A, Goal 5.8.1 B) Omit as complete.

H. The WMO will fund updating and maintenance of its web site (for posting data, the watershed management plan, etc.) through the WMO dues. (Goal 5.9.1 A) Detail to be included in implementation table.

I. The WMO will revise its joint powers agreement to reflect the 3rd Generation Watershed Management Plan. (Goal 5.9.1 A, Goal 5.3.1 C) Omit as complete.

J. The WMO's cost allocation for intercommunity flooding and erosion control studies and construction projects will continue to be based on allowable flow. (Goal 5.9.1 A) Update to reflect use of allowable flow and allowable load methodologies.

The WMO will continue to use its allowable flow and allowable load cost allocation methodologies to apportion project costs between participating member cities, as needed.

K. The WMO will provide technical review of projects, if requested by the member cities. Costs to complete these reviews may be charged back to member cities. (Goal 5.9.1 A) Clarify cost element.

L. The WMO will finance the implementation program elements through either the WMO dues (the annual contributions of its member cities) or some form of cost sharing in accordance with the joint powers agreement. ~~The WMO and cities will also seek grants and other funding opportunities to help offset the costs of the WMO implementation tasks/activities.~~ The WMO will assist member cities in pursuing grants, as requested. (Goal 5.9.1 A, Goal 5.9.1 B)

Consider omitting first part as it does not provide additional detail regarding funding methods. Funding sources for individual implementation items will be included in the implementation schedule.

M. The operation and maintenance costs associated with a WMO improvement project will be apportioned according to the WMO joint powers agreement, as revised. (Goal 5.9.1 A) Consider revising to generally include the procedure as described in the JPA.

The WMO will assign operation and maintenance costs of intercommunity improvement projects according to the methods described in the joint powers agreement.

N. Although the WMO will not be administering a permit program, the WMO will:

- Review projects for consistency with the WMO plan, as requested by member cities or other governmental agencies.

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- Review and ~~approve comment on~~ any proposed changes to the intercommunity stormwater system that are inconsistent with an approved local watershed management plan. Consider changing to “review and comment on” as approval is not assumed.
- Review and ~~approve comment~~ any changes to the approved local plan that would cause the local plan to be inconsistent with the WMO plan. Consider changing to “review and comment on” as approval is not assumed.
- Review member city local plan updates for consistency with WMO Plan.
- Review annual progress reports from the member cities and provide areas that need to be addressed to keep in compliance with the WMO plan. The WMO may request specific projects be included in the annual progress report to review for conformance with the approved local plan.
- Reserve its authority under State Statute 103B to intervene in the permit process if a member city is determined to be out of compliance with its approved local watershed management plan and the WMO rules. It is the LMRWMO’s preferred position to work cooperatively with the member cities and avoid unnecessary duplication of permitting. Consider omitting as the LMRWMO maintains this authority regardless of statement.
- Review member city comprehensive plan changes when revisions to their comprehensive plans affect water resource management. Stormwater management elements of the city comprehensive plans are to conform to the WMO plan. (Goal 5.9.1 A) Consider omitting as redundant to the review of local water plans (which are to be included within City Comp Plans).

### 5.9.3 WMO Policies

A. Member cities are to adopt new ordinances or revise existing ordinances that meet the WMO policies listed in this plan. (Goal 5.9.1 A) Expand to include “official controls” as not all guidance is provided in ordinance.

Member cities shall adopt (as needed) and maintain local official controls necessary to comply with the policies presented in this WMO Plan, as amended.

B. Member cities are to report their annual progress to the WMO. This may consist of each member city submitting an implementation plan progress update from their local water management plan. (Goal 5.9.1 A)

Comparison of LMRWMO, State, and City Performance Standards (draft 11/29/2021)

City/Entity	Definition	LMRWMO	LMRWMO Proposed (~status quo)	LMRWMO Stretch Standard (either watershed wide or in overlay zones/watersheds)	State Standard (NPDES construction permit unless noted)	Inver Grove Heights	West St. Paul
<b>Water Quality Trigger</b>	Trigger (typically area of disturbance) at which permanent stormwater treatment is required	1 acre distrurbance	1 acre distrurbance	0.5 acre distrurbance, or 10,000 sf increased impervious, part of common development	Development or redevelopment with 1 or more acres of cumulative impervious surface	1 acre distrurbance	>1 acre disturbance
<b>Exemptions</b>	Types of project exempt from stormwater treatment requirements or allowed to meet a lower standard	Linear projects, single family homes	Linear projects, single family homes	Linear projects, single family homes	None (alternative standard for linear projects with limited right of way)	Single residential lots	None (alternative standard for linear projects with limited right of way)
<b>Water Quality Standard</b>	Performance standard applicable to stormwater treatment (often % phosphorus removal or volume infiltrated)	50% TP reduction for runoff leaving development and redevelopment projects >1 acre	50% TP reduction <b>OR</b> 1 inch of volume retention from impervious surface	50% TP reduction <b>OR</b> 1 inch of volume retention from impervious surface	See volume control	See volume; for redevelopment, net reduction in P; 85% TSS and 55% TP if infiltration not possible	50% TP reduction (LWMP) or TMDL; No net increase TSS/TP/Volume annually (Zoning 153)
<b>Volume Control Standard</b>	Performance standard for volume control (often measured as depth over impervious area)	None	1 inch from new/redeveloped imp. Surface	1 inch from new/redeveloped imp. Surface	1 inch from increased impervious area	1 inch from new/redeveloped imp surface	1 inch from new/redeveloped imp surface is recommended
<b>Rate Control Standard</b>	Performance standard for rate control (often measured relative to current peak rates during design storm events.	No increase from 5-year (or 10-year) and 100-year 24 hour events (encourages 2-year also)	No increase from 2-year, 10-year, and 100-year 24 hour events	No increase from 2-year, 10-year, and 100-year 24 hour events	BMPs must be designed to control peak flow rate to minimize erosion	No increase from 2-, 5-, 10-, 100-year 24 hour events	No increase from 2-, 10-, 100-year 24 hour events
<b>Erosion Control Requirements</b>	Requirements/documentation of activities to control erosion during project construction	Require ESC ordinance consistent with NPDES	Require ESC ordinance consistent with NPDES	Require ESC ordinance consistent with NPDES	Permit required for sites >1 acre; requirements detailed in NPDES Construction Permit	ESC Plan (consistent with NPDES)	ESC Plan (consistent with NPDES)
<b>Wetland buffer standard</b>	Minimum average distance of vegetated area surrounding wetlands required when sites develop/redevelop	15 feet required for redevelopment > 1 acre	TBD, recommend at least 30 feet	Based on classification: 75/40/30/20 ft (Manage I, II, III, IV)	None	100 ft streams; MnRAM 60/30/20/15 ft (Manage I, II, III, IV) in NWA (applied throughout)	15 feet (LWMP); 30 feet Zoning 153
<b>Minimum Building Elevations</b>	Required elevation of lowest floor (including basement) relative to local high water levels (often 100-year level)	Require at minimum building elevation at least 1 foot above 100-year	Require at minimum building elevation at least 1 foot above 100-year	Require at minimum building elevation at least 2 feet above 100-year	basement 1 foot above 100-year flood level (per MNDP standard ordinance)	basement 2 feet above 100-year to lowest floor (more in LLB)	2 feet from 100-year WSEL to exposed ground elevation; basement 4 feet above current water table or 2 feet above historic high water table
<b>BMP Maintenance Agreements</b>	Local entity requirements for maintenance plans associated with permanent stormwater facilities	Runoff control plans must include maintenance agreement addressing stormwater facilities	Runoff control plans must include maintenance agreement addressing stormwater facilities	Runoff control plans must include maintenance agreement addressing stormwater facilities	Permanent BMP maintenance agreement required per most recent MS4 General Permit	Agreement required (SWMAP)	Long-term inspection and maintenance plans required with SWPPP
<b>Stormwater Manual</b>	Design manual containing stormwater design standards, if applicable	NA	NA	NA	MN Stormwater Manual	IGH Stormwater Manual	
<b>Stormwater Manual Link</b>	Link to design manual containing stormwater design standards, if applicable	NA	NA	NA	<a href="https://stormwater.pca.state.mn.us/index.php?title=Main_Page">https://stormwater.pca.state.mn.us/index.php?title=Main_Page</a>	<a href="https://www.ighmn.gov/DocumentCenter/View/280/swmcovertoc?bidId=">https://www.ighmn.gov/DocumentCenter/View/280/swmcovertoc?bidId=</a>	
<b>LWMP</b>	Link to local water management plan	NA	NA	NA	NA	<a href="https://www.ighmn.gov/DocumentCenter/View/921/Inver-Grove-Heights-2nd-Gen-Water-Resources-Management-Plan-pdf">https://www.ighmn.gov/DocumentCenter/View/921/Inver-Grove-Heights-2nd-Gen-Water-Resources-Management-Plan-pdf</a>	<a href="https://wspmn.gov/DocumentCenter/View/335/2018-Local-Surface-Water-Management-Plan-pdf">https://wspmn.gov/DocumentCenter/View/335/2018-Local-Surface-Water-Management-Plan-pdf</a>
<b>City Code</b>	Links to relevant city code	NA	NA	NA	NA	<a href="https://codelibrary.amlegal.com/codes/invergrovehightsmn/latest/invergrovehights_mn/0-0-0-1">https://codelibrary.amlegal.com/codes/invergrovehightsmn/latest/invergrovehights_mn/0-0-0-1</a>	<a href="https://codelibrary.amlegal.com/codes/weststpaul/latest/overview">https://codelibrary.amlegal.com/codes/weststpaul/latest/overview</a>
<b>Code Section(s)</b>	Relevant city code sections	NA	NA	NA	NA	Code 9-5	Zoning 153



Comparison of LMRWMO, State, and City Performance Standards (draft 11/29/2021)

City/Entity	South St. Paul	Mendota Heights	St. Paul	Lilydale	Sunfish Lake
<b>Water Quality Trigger</b>	1 acre of disturbance (per LWMP) for WQ, 1 acre of imperviousness for volume	5,000 square feet disturbance	1 acre ESC/WQ	1 acre disturbance	1 acre disturbance for WQ
<b>Exemptions</b>	None (exemptions to land disturbing activity noted in City Code Section 110; alternative standards for linear projects)	None?	None?	None?	None (alternative standard for linear projects with limited right of way)
<b>Water Quality Standard</b>	50% TP per LWMP; See also volume (or MIDS offramp, 50% TP)	See volume; also 50% TP for sites >1 acre	see volume	50% TP reduction (LWMP) or TMDL; No net increase TSS/TP to DS waterbodies (LWMP)	50% TP reduction from sites 1 acre or more, or TMDL (superseded by volume)
<b>Volume Control Standard</b>	1.1 inch from new/redeveloped imp surface	1.1 inches of runoff off all new impervious surfaces	retain onsite a volume equivalent to 1.1 inches over the impervious surface (LWMP)	None	1 inch from <b>NET</b> new imp surface for sites with >1 acre impervious
<b>Rate Control Standard</b>	No increase from 2-, 10-, 100-year 24 hour events	No increase from 2-, 10-, 100-year 24 hour events	Peak stormwater discharge no greater than Q (cfs)=1.64*A(ac) for all storms up to the 100 year event (Code 5-52)	No increase from 1-, 2-, 10-, 100-year 24 hour events (LWMP)	No increase from 2-, 10-, 100-year 24 hour events
<b>Erosion Control Requirements</b>	ESC Plan (consistent with NPDES)	ESC Plan (consistent with NPDES)	ESC Plan (consistent with NPDES)	ESC Plan (consistent with NPDES)	ESC Plan (consistent with NPDES)
<b>Wetland buffer standard</b>	MnRAM 75/40/30/20 ft (Manage I, II, III, IV)	15 feet (LWMP);	30 feet (LWMP);	15 feet (LWMP);	16.5 feet (LWMP);
<b>Minimum Building Elevations</b>	basement 2 feet above 100-year to lowest floor (more in LLB)	Lowest floor at RFPE (100yr + 1 foot)	Lowest floor at RFPE (100yr + 1 foot) and 4 feet above normal groundwater elevation.	Lowest floor at RFPE (100yr + 1 foot)	Lowest floor at RFPE (100yr + 1 foot); low opening 3 ft above 100-year; basement 4 ft above current GW or 2 feet above historic GW
<b>BMP Maintenance Agreements</b>	Maintenance plans required with stormwater plan	Formal maintenance covenant that must be approved by the city and recorded at the Dakota County recorder's office prior to final plan approval	Maintenance plans required with stormwater plan	Maintenance reports from each development submitted annually (ordinance planned in 2018?)	Maintenance plan required per Eng. Design Standards for Stormwater Mgmt doc
<b>Stormwater Manual</b>	Stormwater Management Design Standards	Land Disturbance Guidance Doc			Engineering Design Standards for Stormwater Mgmt (in LWMP)
<b>Stormwater Manual Link</b>	<a href="https://www.southstpaul.org/DocumentCenter/View/2730/2018-South-St-Paul-Storm-Water-Runoff-Design-Standards-PDF?bidId=">https://www.southstpaul.org/DocumentCenter/View/2730/2018-South-St-Paul-Storm-Water-Runoff-Design-Standards-PDF?bidId=</a>	<a href="https://mendotaheightsmn.gov/vertical/Sites/%7BA0FB05B5-4CF8-4485-84AA-0C48D0BC98D7%7D/uploads/Land_Disturbance_Guidance_Document.pdf">https://mendotaheightsmn.gov/vertical/Sites/%7BA0FB05B5-4CF8-4485-84AA-0C48D0BC98D7%7D/uploads/Land_Disturbance_Guidance_Document.pdf</a>			see LWMP
<b>LWMP</b>	<a href="https://www.southstpaul.org/DocumentCenter/View/650/1261-56-SWMP-FINAL-07-17-19?bidId=">https://www.southstpaul.org/DocumentCenter/View/650/1261-56-SWMP-FINAL-07-17-19?bidId=</a>	<a href="https://mendotaheightsmn.gov/vertical/Sites/%7BA0FB05B5-4CF8-4485-84AA-0C48D0BC98D7%7D/uploads/MendotaHeightsSWMP_Final_Jul2018_with_output_modeling_-_Copy_sd_from_ks.pdf">https://mendotaheightsmn.gov/vertical/Sites/%7BA0FB05B5-4CF8-4485-84AA-0C48D0BC98D7%7D/uploads/MendotaHeightsSWMP_Final_Jul2018_with_output_modeling_-_Copy_sd_from_ks.pdf</a>	<a href="https://www.stpaul.gov/sites/default/files/Media%20Root/Planning%20%26%20Economic%20Development/Saint-Paul-For-All-2040-Comprehensive-Plan-Water-Resources.pdf">https://www.stpaul.gov/sites/default/files/Media%20Root/Planning%20%26%20Economic%20Development/Saint-Paul-For-All-2040-Comprehensive-Plan-Water-Resources.pdf</a>	<a href="https://lilydale.govoffice.com/vertical/sites/%7BB50F2735-61FC-4A0D-BAE7-E8D4776BEE77%7D/uploads/Lilydale_2040_Comp_Plan_Reduced_File_Size.pdf">https://lilydale.govoffice.com/vertical/sites/%7BB50F2735-61FC-4A0D-BAE7-E8D4776BEE77%7D/uploads/Lilydale_2040_Comp_Plan_Reduced_File_Size.pdf</a>	<a href="https://sunfishlake.org/images/Permits/SunfishLakeStormwaterManagementPlan.pdf">https://sunfishlake.org/images/Permits/SunfishLakeStormwaterManagementPlan.pdf</a>
<b>City Code</b>	<a href="https://library.municode.com/mn/south_st_paul/codes/code_of_ordinances">https://library.municode.com/mn/south_st_paul/codes/code_of_ordinances</a>	<a href="https://codelibrary.amlegal.com/codes/mendotahtsmn/latest/mendotaheights_mn/0-0-0-6764">https://codelibrary.amlegal.com/codes/mendotahtsmn/latest/mendotaheights_mn/0-0-0-6764</a>	<a href="https://library.municode.com/mn/st_paul/codes/code_of_ordinances">https://library.municode.com/mn/st_paul/codes/code_of_ordinances</a>	<a href="https://lilydale.govoffice.com/index.aspx?SEC=A126EC13-CC72-4678-87AC-20EDEA71B1B4&amp;Type=B_BASIC">https://lilydale.govoffice.com/index.aspx?SEC=A126EC13-CC72-4678-87AC-20EDEA71B1B4&amp;Type=B_BASIC</a>	<a href="https://www.sunfishlake.org/ordinances">https://www.sunfishlake.org/ordinances</a>
<b>Code Section(s)</b>	Chapter 110 - Environment	Title 14 Chapter 1	Code Title VI Chapter 52	Ord. No 11-01, Code Section 406; Code Section 903.09	



## 2022 Board Meeting Schedule

The regular Lower Mississippi River Watershed Management Organization (LMRWMO) Board of Manager meetings are held the second Wednesday of each month at 3:00 p.m. The Board Chair may cancel meetings if business renders them unnecessary.

Meeting locations typically rotate among select member communities with the following rotating order, Saint Paul, Inver Grove Heights, Lilydale, Sunfish Lake, Mendota Heights, West St. Paul, South St. Paul, with each hosting two consecutive meetings.

Listed below are the host Cities and locations for the scheduled 2022 meetings.

January 12, 2022	Held Remotely Online
February 9, 2022	Held Remotely Online
March 9, 2022	Held Remotely Online
April 13, 2022	Villa Del Sol, Saint Paul
May 11, 2022	Villa Del Sol, Saint Paul
June 8, 2022	Veterans Memorial Comm. Center, Inver Grove Heights
July 13, 2022	Veterans Memorial Comm. Center, Inver Grove Heights
August 10, 2022	Location TBD
September 14, 2022	Location TBD
October 12, 2022	Location TBD
November 9, 2022	Location TBD
December 14, 2022	Location TBD



**From:** [Alex Van Loh](#)  
**To:** [Barten, Joe](#)  
**Subject:** FW: New MWS Application from Stephen Zander  
**Date:** Wednesday, October 27, 2021 2:40:17 PM

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**WARNING: External email. Please verify sender before opening attachments or clicking on links.**

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Hi Joe,

Please see the MWS application below. Your next step is to reach out applicants and have a conversation with them to see if it's a good fit. They listed CRWD as their partner org but it looks like they actually live in your area. Let me know if you have questions.

Thanks,  
Alex

<b>Name</b>
Stephen Zander
<b>I prefer all correspondence sent to:</b>
<ul style="list-style-type: none"><li>• Home</li></ul>
<b>Home Address</b>
211 Winona Street West West Saint Paul, Minnesota 55118 United States <a href="#">Map It</a>
<b>Business Address (if applicable)</b>
211 Winona Street West West Saint Paul, Minnesota 55118 United States <a href="#">Map It</a>
<b>Home Phone Number</b>
(952) 221-5574
<b>Preferred Email</b>
<a href="mailto:nismowsp@gmail.com">nismowsp@gmail.com</a>
<b>Partner organization or area of residence</b>
Capitol Region Watershed District
<b>Tuition and Project Costs</b>

I have attended an information session, or commit to attending one, prior to the start of class.

**Which area interests you and represents your community most?**

Water conservation/groundwater

**How did you hear about the Minnesota Water Stewards Program?**

Dakota County news letter

**Why are you interested in becoming a Minnesota Water Steward?**

I have always had boats and have lived here my whole life. MN waters are very special to me.

**Please list any community organizations in which you participate, positions held and relevant accomplishments. Please list your public speaking and meeting facilitation skills and experience.**

Boy scout.  
ASE mechanic.  
Certified Captain, great lakes. (Expired)  
Ham radio enthusiast  
6sigma trained.

**Indicate your proficiency in E-mail:**

Proficient

**Indicate your proficiency in Microsoft Office (Word, Excel, PPT):**

Proficient

**Indicate your proficiency in Internet/Social Networking**

Proficient

**Please list any other relevant computer or non-computer skills or interests:**

Boating is my blood. Been on one or owned one from childhood. Currently have 5 watercraft and a lake home in Aitkin MN where we are members of the conservatory.

**What do you expect to gain from your participation in the Minnesota Water Stewards Program?**

More knowledge and appreciation of the amazing waters of the state.

**What changes are you hoping to effect in your community?**

I would love to get more members of the community interested and involved with the care and conservation of our waters.

**Do you have any conflicts with the class dates as published?**

No

**E-Signature**

Stephen F Zander

Grant Program	Category	State	Sponsor Agency/ Org	Federal/ Non-Federal	General Info	Eligibility	Level of Assistance	Application Submittal Deadline w/ Comments	Link to Website	Contact Information
Short Term Action Request Grants (STAR)	Natural Resources/ Habitat Protection	MN	MN DNR	Non-Federal	Your project must be conducted in Minnesota's coastal area, be action-oriented, and align with one of the following categories and goals: -Coastal Habitat: Protect the coastal areas' natural resources and habitats including wetlands, forests, beaches and fish -Coastal Hazards: Protect lives and property in the coastal area by minimizing risk to hazards such as storms, flooding and erosion -Water Quality: Safeguard and restore water quality in Lake Superior and area streams -Coastal Community Development: Help communities manage development or preserve the historic, cultural and aesthetic features of Lake Superior and its coast -Coordination and Public Involvement: Collect, analyze, synthesize and share information and research results that will lead to better land and water use decisions in the coastal area or engage the public in critical government decisions	Cities, townships and counties within the coastal area; area-wide agencies; regional planning agencies; state agencies; non-profit organizations; colleges and universities; public school districts in the coastal area; conservation districts; port authorities; tribal governments; joint powers boards; sanitary sewer districts.	The minimum grant is \$2,500 and the maximum is \$10,000.	September 1, 2021 (project start April 1, 2022) December 1, 2021 (project start July 1, 2022) March 1, 2022 (project start October 1, 2022) June 1, 2022 (project start January 1, 2023)	<a href="http://www.dnr.state.mn.us/waters/lakesuperior/grants.html">http://www.dnr.state.mn.us/waters/lakesuperior/grants.html</a>	Cynthia Poyhonen, Grants Specialist (218) 834-1447 or Cynthia.poyhonen@state.mn.us
Brownfields Assessment, Revolving Loan Fund, and Cleanup Competitive Grants	Brownfields	All States	US EPA	Federal	These brownfields grants may be used to address sites contaminated by petroleum and hazardous substances, pollutants, or contaminants (including hazardous substances co-mingled with petroleum).  Note: There are several trainings available that provide additional guidance on how to best submit an application. See their website for more information: <a href="http://www.epa.gov/brownfields/applicat.htm">http://www.epa.gov/brownfields/applicat.htm</a>	Assessment Grant: Local units of government and government entities. Non-profit organizations are not eligible.  Cleanup Grant: Local units of government, government entities, and non-profit organizations.	Opportunities for funding are as follows: Brownfields Assessment Grants up to \$500,000 for community-wide grants and \$350,000 for site-specific grants; and Brownfields Cleanup Grants up to \$500,000. If the applicant was a member of a coalition that was awarded a grant previously, that applicant is also eligible to apply under this assessment competition.	December 1, 2021	<a href="https://www.epa.gov/brownfields/multipurpose-assessment-rif-and-cleanup-marc-grant-application-resources">https://www.epa.gov/brownfields/multipurpose-assessment-rif-and-cleanup-marc-grant-application-resources</a>	If you have any questions on how to apply for a grant or wish to discuss if your project is eligible, please contact Gianna Rosati, EPA Region 3 Brownfields Coordinator, at 215-814-3406, Rosati.Gianna@epa.gov.
Stewardship Fund Grants: Community Grants	Water Quality	MN	MWMO	Non-Federal	Available for short-term or small-scale water quality projects.	Eligible applicants for MWMO Stewardship Fund Grants include: -nonprofit organizations, officially recognized neighborhood groups, business and professional associations, schools; and local units of government. Stewardship Fund grants may not be used to fund projects installed only to meet regulatory requirements; however, stewardship funds may be used to fund portions of the project that create water quality innovations that exceed regulatory requirements. Physical projects must be located within MWMO boundaries or drain to receiving water bodies within the watershed.	The grant amount may not exceed \$5,000. No matching funds are required.	December 3, 2021	<a href="https://www.mwmo.org/grants/stewardship-fund-grants/">https://www.mwmo.org/grants/stewardship-fund-grants/</a>	Adam Flett aflett@mwmo.org 612-746-4988
Environmental Education Grants Program	Environmental & Education	All States	US EPA	Federal	Under the Environmental Education Grants Program, EPA seeks grant proposals from eligible applicants to support environmental education projects that promote environmental awareness and stewardship and help provide people with the skills to take responsible actions to protect the environment. This grant program provides financial support for projects that design, demonstrate, and/or disseminate environmental education practices, methods, or techniques. Since 1992, EPA has distributed between \$2 and \$3.5 million in grant funding per year.	Eligible applicants include local education agencies, colleges or universities, state education or environmental agencies, nonprofit organizations, or noncommercial educational broadcasting entities.	A total of approximately \$3 million is expected to be available. Maximum grant awards of \$100,000. 25% match required and 25% of grant award must be distributed as sub grants of not more than \$5,000.	December 6, 2021	<a href="http://www.epa.gov/education/environmental-education-ee-grants">http://www.epa.gov/education/environmental-education-ee-grants</a>	Megan Gavin, U.S. EPA, Region 5 Grants Management Section (AT-18J) 77 West Jackson Boulevard Chicago, IL 60604-3507 gavin.megan@epa.gov
Conservation Corps Minnesota Clean Water Fund: Crew Labor	Water Quality	MN	BWSR	Non-Federal	Funds are available for Conservation Corps crew labor only for the purpose of protecting, enhancing and restoring water quality in lakes, rivers and streams and to protect groundwater and drinking water sources from degradation. Project proposals should demonstrate measurable outputs to achieve water quality objectives through the implementation of BMPs. Projects that focus on retaining water on the land through native plantings versus habitat restoration are preferred.	Counties, Cities, SWCDs, Watershed Districts and Watershed Management Organizations	\$500,000 available. No minimum match requirement.	Applications due December 15 every year	<a href="http://conservationcorps.org/clean-water-funding">http://conservationcorps.org/clean-water-funding</a>	Brian Miller at (651) 209-9900 ext. 19 brian.miller@conservationcorps.org
Planning grants for stormwater, wastewater, and community resilience	Environmental & Education	MN	MPCA	Non-Federal	This funding provides an opportunity for communities to assess vulnerabilities and begin planning for the effects of Minnesota's changing climate in three areas: 1. How to increase resilience to stormwater and reduce localized flood risk 2. How to improve the resilience of wastewater systems 3. How to reduce human health effects and adapt community services, ordinances and public spaces to a changing climate	Tribal Nations, and Local Governmental Units (LGUs) including only cities, counties, towns (townships), soil and water conservation districts (SWCDs), water management organizations (WMOs), water districts (WDs), regional development commissions (RDCs), and the Metropolitan Council of the Twin Cities region, and that are located within the geographic boundaries of the state of Minnesota are eligible applicants.	Up to \$870,000 is available. There is no minimum or maximum grant award under this RFP. A 10% match is required.	December 21, 2021	<a href="https://www.pca.state.mn.us/air/planning-grants-resilience">https://www.pca.state.mn.us/air/planning-grants-resilience</a>	<a href="mailto:grants.pca@state.mn.us">grants.pca@state.mn.us</a>
Wellhead Protection Partner Grants (Pilot)	Groundwater	MN	BWSR	Non-Federal	Wellhead Protection Partner Grants will provide funding to local government for establishing perpetual or long-term protection of wellhead protection areas where state-held easements are not viable or desirable.	A local government entity within a delineated Wellhead Protection Area (WHPA) mapped in a Minnesota Department of Health (MDH) approved Wellhead Protection Plan	Up to \$1,279,000 is currently available. Individual grant amounts will be determined by the duration of protection and the protection mechanism provided in the grant proposal. A 10% match is required of grant recipients	Last day of each month as funding is available	<a href="http://www.bwsr.state.mn.us/grants/apply/index.html">http://www.bwsr.state.mn.us/grants/apply/index.html</a>	Tabor Hoek tabor.hoek@state.mn.us 507-537-7260
Small Watersheds Focus (Section 319)	Water Quality	MN	MPCA	Non-Federal	The MPCA's Section 319 grant program is seeking applications from prioritized watersheds with approved nine element (NKE) watershed-based plans for projects to implement best management practices (BMPs) that will reduce nonpoint source pollution (NPS) in Minnesota's lakes, rivers, and streams.	Local governmental units such as soil and water conservation districts, watershed districts, watershed management organizations, tribal authorities, cities, counties, and joint-power organizations of local government. Must be within approved nine element (NKE) watersheds.	Contact for information	December 31, 2021	<a href="https://www.pca.state.mn.us/water/section-319-small-watersheds-focus">https://www.pca.state.mn.us/water/section-319-small-watersheds-focus</a>	grants.pca@state.mn.us
Great Lakes Fish and Wildlife Restoration Act	Natural Resources/ Habitat Protection	Great Lakes Basin States	USFWS	Federal	The Service requests interested entities to submit restoration, research and Regional project proposals for the restoration of Great Lakes fish and wildlife resources. The purpose of the Act is to provide assistance to States, Indian Tribes, and other interested entities to encourage cooperative conservation, restoration and management of the fish and wildlife resources and their habitats in the Great Lakes Basin. Project goals include: -restoring and maintaining self-sustaining fish and wildlife resources, -minimizing the impacts of contaminants on fishery and wildlife resources, -protecting, maintaining, and where degraded and destroyed, restoring habitat including the enhancement and creation of wetlands that result in a net gain in the amount of those habitats, -stopping illegal activities adversely impacting fishery and wildlife resources, -restoring threatened and endangered species to viable, self-sustaining levels, -protecting, managing and conserving migratory birds.	Eligible applicants include states, Indian tribes, and other interested entities.	Approximately \$1.8 million in funds will be available. 25% non-federal match required.	January 5, 2022	<a href="http://www.fws.gov/midwest/fisheries/glfwra-grants.html">http://www.fws.gov/midwest/fisheries/glfwra-grants.html</a>	Mr. Rick Westerhof U.S. Fish and Wildlife Service Green Bay Fish and Wildlife Conservation Office 6644 Turner Road Elmira, Michigan 49730 Email: Rick_Westerhof@fws.gov Phone: 231-584-3553
Environmental Assistance - Waste Reduction and Reuse	Environmental & Education	MN	MPCA	Non-Federal	The purpose of the EA Grant Program is to provide financial assistance for researching, developing, and implementing projects or practices related to all aspects of materials management, waste management, and pollution prevention. This RFP specifically focuses on waste reduction and reuse (including repair and rental).	Eligible applicants include Minnesota not-for-profit organizations, institutions, political subdivisions of the state, and tribal governments. Multi-organizational collaboration is encouraged. For-profit individuals and businesses are ineligible to apply for funding.	Approximately \$119,000 is available. 25% match is required.	January 5, 2022	<a href="https://www.pca.state.mn.us/about-mPCA/waste-reduction-and-reuse-grant">https://www.pca.state.mn.us/about-mPCA/waste-reduction-and-reuse-grant</a>	<a href="mailto:grants.pca@state.mn.us">grants.pca@state.mn.us</a>
Community Forest and Open Space Conservation Program	Natural Resources/ Habitat Protection	All States	USDA	Federal	Land acquisition program to establish community forests by protecting forest land from conversion to non-forest uses and provide community benefits such as sustainable forest management, environmental benefits (clean air, water, and wildlife habitat), education, and recreation. Eligible lands should be at least five acres and at least 75% forested.	Local government entities, Indian tribes, or qualified nonprofit organizations are qualified to acquire and manage land.	Approx. \$2 million available. Maximum grant awards of \$600,000. 50% non-federal match required.	January 10, 2022	<a href="https://www.fs.fed.us/managing-land/private-land/community-forest/program">https://www.fs.fed.us/managing-land/private-land/community-forest/program</a>	Neal Bungard neal.bungard@usda.gov 603-868-7719
Great Lakes Habitat Restoration Regional Partnership Grants	Water Quality	Great Lakes Basin States	NOAA	Federal	NOAA is soliciting applications for grants and/or cooperative agreements to be awarded as part of the Great Lakes Restoration Initiative. Great Lakes coastal habitats support valuable fisheries and important coastal resources, improve the quality of our water, provide recreational opportunities for the public's use and enjoyment, and increase the resilience of our coastal communities to the effects of changing climatic conditions. Through this solicitation NOAA will provide federal financial and technical assistance to habitat restoration projects that both meet NOAA's mission to restore coastal habitats and support the Great Lakes Restoration Initiative goal to protect and restore habitats to sustain healthy populations of native fish species in the eight U.S. Great Lakes states.	Eligible applicants are institutions of higher education, non-profit organizations, for profit organizations, foreign public entities and foreign organizations, and state, local and Indian tribal governments. Applications from federal agencies or employees of federal agencies will not be considered. Federal agencies are strongly encouraged to work with states, non-governmental organizations, municipal and county governments, conservation corps organizations and others that are eligible to apply.	This partnership will provide up to \$10 million toward restoration activities in the Great Lakes	January 12, 2022	<a href="https://www.fisheries.noaa.gov/funding-opportunities/open-opportunities">https://www.fisheries.noaa.gov/funding-opportunities/open-opportunities</a>	Lynzi Barnes barnes.edlynzia@epa.gov
Conservation Partners Legacy Grant Program - Expedited Conservation Projects	Natural Resources/ Habitat Protection	MN	MN DNR	Non-Federal	Grant program to restore or enhance prairies, wetlands, forests, or habitat for fish, game, or wildlife in Minnesota. Program provides non-competitive grants from \$5,000 to \$50,000 with a 10% non-state match requirement, and project cost cap of \$575,000. Restoration and enhancement projects will only be funded on lands in public ownership or waters designated as public waters. All project sites must be open to the public for all seasons of hunting and fishing.	Eligible applicants are limited to local, regional, state, and national non-profit organizations, including government entities. Private individuals and for-profit organizations are not eligible to apply for these grants. Continuous grant cycle - grant awards made every other month until all funds are awarded (up to 5 rounds). Projects must be on public lands or waters.	Non-competitive grants from \$5,000-\$50,000 with a 10% non-state match requirement and a total project cost cap of \$575,000.	Round 1: September 13, 2021 Round 2: November 16, 2021 Round 3: January 17, 2022 Round 4: March 14, 2022 Round 5: May 9, 2022	<a href="http://www.dnr.state.mn.us/grants/habitat/cpl/ecp-grant-cycle.html">http://www.dnr.state.mn.us/grants/habitat/cpl/ecp-grant-cycle.html</a>	LSCPLGrants.DNR@state.mn.us Jessica Lee, CPL Grant Program Coordinator 651-259-5233 (St. Paul) Conservation Partners Legacy Grant MN DNR 500 Lafayette Road Box #20 St. Paul, MN 55155



Grant Program	Category	State	Sponsor Agency/ Org	Federal/ Non-Federal	General Info	Eligibility	Level of Assistance	Application Submittal Deadline w/ Comments	Link to Website	Contact Information
Flood Mitigation Assistance	Water Quantity	All States	FEMA	Federal	The Flood Mitigation Assistance (FMA) Program makes available Federal funds to State, Local and Tribal Governments to reduce or eliminate the risk of repetitive flood damage to buildings and structures insured under the National Flood Insurance Program (NFIP). This program addresses one of the five missions of DHS, as specified in the Quadrennial Homeland Security Review: Strengthen National Preparedness and Resilience as well as the national preparedness goal of mitigation, as specified in the Presidential Policy Directive (PPD-8).	Local governments, including cities, townships, counties, special district governments, and Native American tribal organizations are considered Subapplicants and must submit subapplications for mitigation planning and projects to their State/Territory Applicant agency.	<p>The maximum federal share for FMA planning sub-applications is as follows:</p> <ul style="list-style-type: none"><li>• Up to \$600,000 for community flood mitigation project scoping</li><li>• Up to \$30,000,000 for community flood mitigation projects</li><li>• \$50,000 for Technical Assistance for states/territories who were awarded FMA Grant Program funds totaling at least \$1,000,000 in FY 2018.</li><li>• \$100,000 per Applicant for mitigation planning with a maximum of \$50,000 for state plans and \$25,000 for local plans.</li></ul>	January 28, 2022	<a href="https://www.fema.gov/flood-mitigation-assistance-grant-program">https://www.fema.gov/flood-mitigation-assistance-grant-program</a>	Contact information for the State Hazard Mitigation Officers (SHMOs) is provided on the FEMA website: <a href="http://www.fema.gov/state-hazard-mitigation-officers">http://www.fema.gov/state-hazard-mitigation-officers</a> .
Building Resilient Infrastructure and Communities (BRIC)	Water Quantity	All States	FEMA	Federal	The Building Resilient Infrastructure and Communities (BRIC) program makes federal funds available to states, U.S territories, Indian tribal governments, and local communities for pre-disaster mitigation activities. The guiding principles of the program are to: (1) support state and local governments, tribes, and territories through capability- and capacity-building to enable them to identify mitigation actions and implement projects that reduce risks posed by natural hazards; (2) encourage and enable innovation while allowing flexibility, consistency, and effectiveness; (3) promote partnerships and enable high-impact investments to reduce risk from natural hazards with a focus on critical services and facilities, public infrastructure, public safety, public health, and communities; (4) provide a significant opportunity to reduce future losses and minimize impacts on the Disaster Relief Fund (DRF); and (5) support the adoption and enforcement of building codes, standards, and policies that will protect the health, safety, and general welfare of the public, take into account future conditions , and have long-lasting impacts on community risk-reduction, including for critical services and facilities and for future disaster costs.	State governments and Native American tribal governments	<p>Total program funding is \$1,000,000,000. Each state/territory may apply for up to \$1,000,000 in the State/Territory Allocation. The combined cost for any C&amp;CB activities under the Tribal Set-Aside must not exceed \$1,000,000 federal cost share per applicant. Applicants may submit an unlimited number of mitigation project subapplications each valued up to \$50,000,000 federal share to the national competition. 25% non-federal cost share required.</p>	January 28, 2022	<a href="https://www.grants.gov/web/grants/search-grants.html?keywords=bric">https://www.grants.gov/web/grants/search-grants.html?keywords=bric</a>	Contact information for the State Hazard Mitigation Officers (SHMOs) is provided on the FEMA website: <a href="http://www.fema.gov/state-hazard-mitigation-officers">http://www.fema.gov/state-hazard-mitigation-officers</a> .  For assistance with FEMA website, contact <a href="mailto:femago@fema.dhs.gov">femago@fema.dhs.gov</a>
AIS Prevention Grant Program	Water Quality	MN	Hennepin County	Non-Federal	Grant funds are available to help local units of government and organizations implement projects that prevent he spread of aquatic invasive species. Eligible project activities include: assessing the risk of AIS introduction and the resources available to respond; broadening the knowledge and participation in early detection and rapid response; prevent eh spread of AIS; researching and addressing specific pathways of introduction; increasing enforcement resources; increasing public awareness and participation in prevention.	Eligible recipients include local government agencies, nonprofit organizations, public companies and institutions, and private for-profit companies within Hennepin County.	Approximately \$300,000 in funding is available this round. <b>No match required.</b> Projects with match funds, expand on existing programs, or are innovative rank higher. Typical award from \$15,000 - \$25,000, maximum award \$50,000.	Januray 2022	<a href="http://www.hennepin.us/aisprevention">http://www.hennepin.us/aisprevention</a>	Tony Brough <a href="mailto:tony.brough@hennepin.us">tony.brough@hennepin.us</a> 612-348-4378
Fishers and Farmers Partnership for the Upper Mississippi River Basin	Natural Resources/ Habitat Protection	Upper Mississippi River Basin (MN, IA, WI, IL)	National Fish Habitat Partnership	Non-Federal	<ul style="list-style-type: none"><li>• Increase native fish/mussel populations – Focal fish/mussel species: smallmouth bass, Topeka shiner, American brook lamprey, blacknose dace, black rehorse, backside darter, brook/brown trout, channel catfish, hornyhead chub, southern redbelly dace, Higgins' eye mussel, pink mucket, scaleshell, spectaclecase</li><li>• Improve instream habitat</li><li>• Work with farmers/landowners to protect/maintain healthy aquatic systems, or prevent further degradation</li><li>• Increase landowner engagement/farmer-led committees that drive conservation</li><li>• Reduce sedimentation, phosphorus and nitrogen runoff to stream habitats</li><li>• Improve floodplain habitat, enhance flow regimes, improve connectivity</li><li>• Promote best management practices across the landscape</li><li>• Monitor effectiveness of conservation projects, then share our stories through outreach</li></ul>	Applicants can be federal, state, county, and non-government organizations in either natural resources or agriculture with the ultimate goal of adding value to farms while restoring aquatic habitat and native fish populations.	Approximately \$100-\$230K, split among 4-5 successful projects. Funding request minimum of \$15,000. 1:1 match required, but 3:1 preferred. Cost sharing may be in-kind services.	February 1, 2022	<a href="http://www.fishhabitat.org/news/">http://www.fishhabitat.org/news/</a>	Heidi Keuler US Fish and Wildlife Service 555 Lester Avenue Onalaska, WI 54650 608-783-8417
Midwest Glacial Lakes Fish Habitat Partnership	Natural Resources/ Habitat Protection	All States	National Fish Habitat Partnership	Non-Federal	Projects considered for funding must align with the goals and objectives of the MGLP and may include: watershed-level projects; riparian or in-lake habitat restoration and protection; barrier removal or construction; population or watershed assessments needed for project evaluation; prioritization and planning for future habitat projects; evaluating habitat conditions or lake water levels; and community outreach and education on the importance of and how to better protect fish habitat.	Eligible applicants include state and federal management agencies, non-governmental organizations (e.g. conservation groups, community associations, watershed councils, cooperatives, civic groups), municipalities, universities, schools, private landowners, and local and tribal governments.	Most projects have received between \$30,000 and \$100,000 from the MGLP, but larger projects are possible for funding from the approximately \$360,000 expected for distribution. 1:1 match or greater is required.	February 18, 2022	<a href="http://midwestglaciallakes.org/grant/">http://midwestglaciallakes.org/grant/</a>	Joe Nohner <a href="mailto:nohnerj@michigan.gov">nohnerj@michigan.gov</a> 517-284-6236
Conservation Partners Legacy Grant Program - Traditional Projects	Natural Resources/ Habitat Protection	MN	MN DNR	Non-Federal	Grant program to restore or enhance prairies, wetlands, forests, or habitat for fish, game, or wildlife in Minnesota. Program provides competitive grants of \$5,000-\$400,000 with a 10% non-state match requirement and a total project cost cap of \$575,000. Restoration and enhancement projects will only be funded on lands in public ownership or waters designated as public waters. All project sites must be open to the public for all seasons of hunting and fishing.	Eligible applicants are limited to local, regional, state, and national non-profit organizations, including government entities. Private individuals and for-profit organizations are not eligible to apply for these grants.	Competitive grants from \$5,000-\$400,000 with a 10% non-state match requirement and a total project cost cap of \$575,000	Round 1: September 20, 2021 Round 2: February 21, 2022	<a href="https://www.dnr.state.mn.us/grants/habitat/cpl/ou-grant-cycle.html">https://www.dnr.state.mn.us/grants/habitat/cpl/ou-grant-cycle.html</a>	LSCPLGrants.DNR@state.mn.us Jessica Lee, CPL Grant Program Coordinator 651-259-5233 (St. Paul) Conservation Partners Legacy Grant MN DNR 500 Lafayette Road Box #20 St. Paul, MN 55155
Conservation Partners Legacy Grant Program - Metro Projects	Natural Resources/ Habitat Protection	MN	MN DNR	Non-Federal	Grant program to restore or enhance prairies, wetlands, forests, or habitat for fish, game, or wildlife in Minnesota. Program provides competitive grants of \$5,000-\$400,000 with a 10% non-state match requirement and a total project cost cap of \$575,000. Restoration and enhancement projects will only be funded on lands in public ownership or waters designated as public waters. All project sites must be open to the public for all seasons of hunting and fishing.	Eligible applicants are limited to local, regional, state, and national non-profit organizations, including government entities. Projects must be located within the 7 county metro area or within city limits of cities with a population of 50,000 or greater (Duluth, Rochester, St. Cloud). Private individuals and for-profit organizations are not eligible to apply for these grants.	Non-competitive grants from \$5,000-\$400,000 with a 10% non-state match requirement and a total project cost cap of \$575,000.	Round 1: September 20, 2021 Round 2: February 21, 2022	<a href="https://www.dnr.state.mn.us/grants/habitat/cpl/metro-grant-cycle.html">https://www.dnr.state.mn.us/grants/habitat/cpl/metro-grant-cycle.html</a>	LSCPLGrants.DNR@state.mn.us Jessica Lee, CPL Grant Program Coordinator 651-259-5233 (St. Paul) Conservation Partners Legacy Grant MN DNR 500 Lafayette Road Box #20 St. Paul, MN 55155
North American Wetland Conservation Act Standard and Small Grants Program	Natural Resources/ Habitat Protection	All States	U.S. Fish and Wildlife Service (USFWS)	Federal	The Act was passed, in part, to support activities under the North American Waterfowl Management Plan, an international agreement that provides a strategy for the long-term protection of wetlands and associated uplands habitats needed by waterfowl and other migratory birds in North America. In December 2002, Congress reauthorized the Act and expanded its scope to include the conservation of all habitats and birds associated with wetlands ecosystems.	The North American Wetlands Conservation Act (Act, or NAWCA) of 1989 provides matching grants to organizations and individuals who have developed partnerships to carry out wetlands conservation projects in the United States, Canada, and Mexico for the benefit of wetlands-associated migratory birds and other wildlife.	\$40 million (annually) for 24 North American Wetlands Conservation Act (NAWCA) proposals for U.S Standard Grants. Requires minimum 1:1 match	Standard Cycle 1: February 22, 2022 Standard Cycle 2: July 8, 2022 Small: October 14, 2022	<a href="http://www.fws.gov/birds/grants/north-american-wetland-conservation-act.php">http://www.fws.gov/birds/grants/north-american-wetland-conservation-act.php</a>	Contact: Division of Bird Habitat Conservation, (703) 358-1784, <a href="mailto:dbhc@fws.gov">dbhc@fws.gov</a>
Federal Recreational Trail Program	Recreation	MN	MN DNR	Non-Federal	Motorized and non-motorized trail projects; maintenance/restoration of existing recreational trails; development/ rehabilitation of recreational trail linkages, including trail side and trail head facilities; environmental awareness and safety education programs relating to the use of recreational trails; and redesign/relocation of trails to benefit/minimize the impact to the natural environment.	All projects must be sponsored by a unit of government, preferably in cooperation with a local trail organization.	The minimum grant request is \$2,500, and the maximum grant award is \$150,000. Maximum request per piece of equipment is \$75,000. Equipment purchases at or above \$75,000 require a 50% match, and those purchases below \$75,000 require a 25% match.	February 25, 2022	<a href="http://www.dnr.state.mn.us/grants/recreation/trails_federal.html">http://www.dnr.state.mn.us/grants/recreation/trails_federal.html</a>	Dan Golner, Recreation Program Coordinator <a href="mailto:Daniel.Golner@state.mn.us">Daniel.Golner@state.mn.us</a> 651-259-5599
Clean Water State Revolving Fund - Wastewater & Stormwater	Water Quality	MN	MN Public Facilities Authority (MPFA)	Non-Federal	The Clean Water State Revolving Fund, is established under the Federal Clean Water Act and state law to make loans for point source (wastewater and stormwater) and nonpoint source water pollution control projects. The Public Facilities Authority (PFA) prepares an annual Intended Use Plan (IUP) based on a Project Priority List (PPL) developed by the MPCA. The IUP describes the projects and activities eligible for funding during the state fiscal year.	Proposals are being accepted to place wastewater or stormwater collection and treatment system projects on the Clean Water Revolving Fund (CWRF) Project Priority List (PPL). Projects must be on the PPL to be eligible to apply for below market rate CWRF loans and other Clean Water Legacy grants and loans from the Minnesota Public Facilities Authority (PFA). PFA financing is for investments in municipal infrastructure which result in improvements in water quality. Funding is not available for privately owned infrastructure.	Below market-rate, low-interest loans, principal-forgiveness or grants to local governments.	Wastewater Facilities Plans or Stormwater Project Plans are due to the MPCA March 4, 2022. Request for Placement on PPL due to the MPCA March 4, 2022. Request for Placement on the IUP due to the MPCA June 3, 2021.	<a href="http://www.pca.state.mn.us/ppl">www.pca.state.mn.us/ppl</a>	Bill Dunn, Clean Water Revolving Fund Coordinator Minnesota Pollution Control Agency 520 Lafayette Road North Saint Paul, MN 55155-4194 651-757-2324 or <a href="mailto:bill.dunn@state.mn.us">bill.dunn@state.mn.us</a>

Grant Program	Category	State	Sponsor Agency/ Org	Federal/ Non-Federal	General Info	Eligibility	Level of Assistance	Application Submittal Deadline w/ Comments	Link to Website	Contact Information
Point Source Implementation Grant Program	Water Quality	MN	Minnesota Public Facilities Authority (PFA) & MPCA (State funds)	Non-Federal	The Point Source Implementation grant program provides grants to units of local government to assist with the cost of water infrastructure projects necessary to: •Meet wasteload reductions prescribed under a total maximum daily load (TMDL) plan required by Section 303(d) of the federal Clean Water Act •Reduce the discharge of total phosphorus to one milligram per liter or less •Meet any other water quality-based effluent limit established under section Minnesota Statute Section 115.03, subd 1, (e)(8), that is incorporated into a permit issued by MPCA that exceeds secondary treatment limits •Meet a total nitrogen concentration or mass limit that requires discharging ten milligrams per liter or less at a permitted design flow	The PSIG program provides grants for 80% of eligible costs up to a maximum of \$7,000,000. Projects must be listed on the MPCA's Project Priority List (PPL).  A project must receive MPCA certification and submit as-bid project costs to receive a PSIG grant.	\$5,307,000 million has been appropriated for this program for FY 2018	PPL Application Request: March 4, 2022 IUP Application Request: June 3, 2022	<a href="https://www.pca.state.mn.us/water/wastewater-and-stormwater-financial-assistance">https://www.pca.state.mn.us/water/wastewater-and-stormwater-financial-assistance</a>	Bill Dunn, Clean Water Revolving Fund Coordinator Minnesota Pollution Control Agency 520 Lafayette Road North Saint Paul, MN 55155-4194 651-757-2324 or bill.dunn@state.mn.us
Stewardship Fund Grants: Planning Grants	Water Quality	MN	MWMO	Non-Federal	Available to plan for a project, significant in scope and cost. The outcome of these grants may be used to complete either a Stewardship Fund Action Grant with the MWMO (application required) or for a project with another funder.	Eligible applicants for MWMO Stewardship Fund Grants include: -nonprofit organizations, officially recognized neighborhood groups, business and professional associations, schools; and local units of government. Stewardship Fund grants may not be used to fund projects installed only to meet regulatory requirements; however, stewardship funds may be used to fund portions of the project that create water quality innovations that exceed regulatory requirements. Physical projects must be located within MWMO boundaries or drain to receiving water bodies within the watershed.	Grant up to \$20,000; 25% match required	March 11, 2022	<a href="https://www.mwmo.org/grants/stewardship-fund-grants/">https://www.mwmo.org/grants/stewardship-fund-grants/</a>	Alicia Beattie Capital Projects and Stewardship Specialist 612-746-4989 abeattie@mwmo.org
Build Back Better Regional Challenge	Public Works	All States	US Economic Development Administration	Federal	The Build Back Better Regional Challenge is designed to assist communities nationwide in their efforts to build back better by accelerating the economic recovery from the coronavirus pandemic and building local economies that will be resilient to future economic shocks.  The \$1 billion Build Back Better Regional Challenge will provide a transformational investment to 20-30 regions across the country that want to revitalize their economies. These regions will have the opportunity to grow new regional industry clusters or scale existing ones through planning, infrastructure, innovation and entrepreneurship, workforce development, access to capital, and more.	EDA invites eligible applicants to form regional coalitions to apply for funding to implement a collection of three to eight distinct but related projects in their region, in coordination with industry and community partners, and aligned around a holistic vision to build and scale a strategic industry cluster. Applicants should identify one key coordinating lead institution per regional cluster to lead the concept and projects into the implementation phase, while fostering collaboration and coordinating resources to ensure these investments have the greatest economic impact on our communities, regions, and the nation. Coalition members eligible to apply for investment assistance for their region include a(n): -District Organization of an EDA-designated Economic Development District -Indian Tribe or a consortium of Indian Tribes -State, county, city, or other political subdivision of a State, including a special purpose unit of a State or local government engaged in economic or infrastructure development activities, or a consortium of political subdivisions -Institution of higher education or a consortium of institutions of higher education -Public or private non-profit organization or association acting in cooperation with officials of a political subdivision of a State	Phase 1: 50-60 regional coalitions of partnering entities will be awarded ~\$500,000 in technical assistance funds to develop and support three to eight projects to grow a regional growth cluster. Phase 2: EDA will award 20-30 regional coalitions \$25 million to \$75 mill	Phase 1: October 19, 2021 Phase 2: March 15, 2022	<a href="https://www.fema.gov/95261-hazard-mitigation-funding-under-section-406-stafford-act">https://www.fema.gov/95261-hazard-mitigation-funding-under-section-406-stafford-act</a>	BuildBackBetter@eda.gov
Community Conservation Partnership	Water Quality	MN	Dakota County Soil & Water Conservation District	Non-Federal	Program to support public landowners in implementing TMDL and local water management plans by providing technical and cost share assistance to install bioretention and other stormwater Best Management Practices at public facilities in Dakota County to improve water quality above the minimum measures required by the regulating agencies.	Public landowners within Dakota County	Up to \$50,000 of cost share funding available per project for up to 75% of the actual project cost.	March, May or July 15 each year	<a href="https://dakotaswcd.org/services/incentives/">https://dakotaswcd.org/services/incentives/</a>	Contact Dakota County SWCD (651) 480-7777
Environmental Initiative Program	Natural Resources/Habitat Protection	CO, HI, MN, TX, WY	Laura Jane Musser Fund	Non-Federal	The Fund's goal is to promote public use of open space that improves a community's quality of life and public health, while also ensuring the protection of healthy, viable and sustainable ecosystems by protecting or restoring habitat for a diversity of plant and animal species.	Who can apply: Nonprofit 501(c)(3) organizations, local units of government within the following states: CO, HI, MN, TX, WY.	Planning: Up to \$8,000 Implementation: Up to \$35,000	March 16, 2022	<a href="https://musserfund.org/environmental-initiative-program/#:~:text=environmental%20initiative%20THE%20LAURA%20JANE%20MUSSE%20FUND%20assists.owned%20open%20spaces%2C%20while%20encouraging%20compatibl%20human%20activities,">https://musserfund.org/environmental-initiative-program/#:~:text=environmental%20initiative%20THE%20LAURA%20JANE%20MUSSE%20FUND%20assists.owned%20open%20spaces%2C%20while%20encouraging%20compatibl%20human%20activities,</a>	Mary Karen Lynn-Klimenko Grants Program Manager THE LAURA JANE MUSSER FUND admin@musserfund.org 612-825-2024
Water Quality Improvement / Stewardship Grant Program	Water Quality	MN	Nine Mile Creek Watershed District	Non-Federal	Many types of projects are eligible for grant money. A few examples include: raingardens, shoreline restoration, permeable pavers, buckthorn removal with native restoration, and more!  Grant funds are available to residents, associations, nonprofits, schools, businesses, and cities for projects located within District boundaries	In order to be eligible for grant funds, projects must support one or more of the following goals: -Improve water quality or increase the capacity of the watershed to store water -Preserve, protect, and restore native plant and wildlife habitats with emphasis on projects adjacent to or near lakes, rivers, and wetlands -Protect and preserve groundwater quality and quantity  Grant funds are available to residents, associations, nonprofits, schools, businesses, and cities for projects located within District boundaries	Grants will be awarded for up to 75% of a project's cost, on a reimbursement basis, for materials, labor, engineering, and consulting fees. The minimum grant award is \$500. Maximum grant award: -\$5,000 for residential projects -\$20,000 for townhome, condominium, or lake associations -\$50,000 for commercial, government, or nonprofit projects	March 18, 2022	<a href="https://www.ninemilecreek.org/get-involved/grants/">https://www.ninemilecreek.org/get-involved/grants/</a>	Erica Sniegowski Program & Project Manager esniegowski@ninemilecreek.org 952-358-2276
Regional Trail Grants	Recreation	MN	MN DNR	Non-Federal	Program to promote development of regionally significant trails. Eligible projects include acquisition and development of trail facilities outside the seven-county metropolitan area that are considered of regional or statewide significance.	Cities, counties, and townships.	Grants are reimbursement based up to 75 percent of eligible project costs, and recipients must provide a non-state cash match of at least 25 percent. The minimum grant request is \$5,000, and the maximum grant award is \$250,000.	March 31, 2022	<a href="http://www.dnr.state.mn.us/grants/recreation/trails_regional.html">http://www.dnr.state.mn.us/grants/recreation/trails_regional.html</a>	Dan Golner, Recreation Program Coordinator Daniel.Golner@state.mn.us 651-259-5599
Local Trail Connections	Recreation	MN	MN DNR	Non-Federal	Land acquisition and trail development program to promote relatively short trail connections between where people live and desirable locations, not to develop significant new trails. Priority will be given to projects that provide significant connectivity. Considerations also include trail length, expected amount and type of use, and quality and attractiveness of natural and cultural resources.	Cities, counties, and townships. Projects inside state park boundaries and state trail corridors and elements of the Regional Open Space System in the Twin Cities Metro System are NOT eligible.	Grants are reimbursement based up to 75 percent of the total eligible project costs, and recipients must provide a non-state cash match of at least 25 percent. The minimum grant request is \$5,000, and the maximum grant award is \$150,000.	March 31, 2022	<a href="http://www.dnr.state.mn.us/grants/recreation/trails_local.html">http://www.dnr.state.mn.us/grants/recreation/trails_local.html</a>	Dan Golner, Recreation Program Coordinator daniel.golner@state.mn.us 651-259-5599
Outdoor Recreation	Recreation	MN	MN DNR	Non-Federal	Program to increase and enhance outdoor recreation facilities. Eligible projects include park acquisition and/or development/redevelopment including, internal park trails, picnic shelters, playgrounds, athletic facilities, boat accesses, fishing piers, swimming beaches and campgrounds.	Cities, counties, townships and recognized tribal governments. Project proposals must include at least one of the eligible primary outdoor recreation facilities in the Program Manual and have a total project cost of at least \$10,000.	Approximately \$850,000 in funding is available. Grants are reimbursed based up to 50 percent of the total eligible costs. The maximum grant award is \$250,000.	March 31, 2022	<a href="http://www.dnr.state.mn.us/grants/recreation/outdoor_rec.html">http://www.dnr.state.mn.us/grants/recreation/outdoor_rec.html</a>	Audrey Mularie, Southern Minnesota, North Metro audrey.mularie@state.mn.us or (651) 259-5549 Joe Hiller, Northern Minnesota, South Metro joe.hiller@state.mn.us or (651) 259-5538
Rural Energy for America Program - Renewable Energy and Energy Efficiency - Grants	Environmental & Education	All States	USDA	Federal	USDA is offering grants for up to 25 percent of total project costs for renewable energy systems and energy efficiency improvements. Eligible renewable energy projects must incorporate commercially available technology. This includes renewable energy from wind, solar, ocean, small hydropower, hydrogen, geothermal and renewable biomass (including anaerobic digesters). Energy efficiency improvement projects eligible for REAP funding include lighting, heating, cooling, ventilation, fans, automated controls and insulation upgrades that reduce energy consumption.	Agricultural producers with at least 50% of gross income coming from agricultural operations, and small businesses in eligible rural areas.	The maximum grant amount for renewable energy projects is \$500,000. The maximum grant amount for energy efficiency projects is \$250,000. Grants for up to 25% of total project cost.	Less than \$20,000: Nov 1 or March 31 Unrestricted Grant: March 31	<a href="http://www.rd.usda.gov/programs-services/rural-energy-america-program-renewable-energy-systems-energy-efficiency">http://www.rd.usda.gov/programs-services/rural-energy-america-program-renewable-energy-systems-energy-efficiency</a>	Ron Omann, USDA Rural Development 375 Jackson St., Suite 410 St. Paul, MN 55101 (651)-602-7796 Ron.Omann@mn.usda.gov http://www.rd.usda.gov/mn



Grant Program	Category	State	Sponsor Agency/ Org	Federal/ Non-Federal	General Info	Eligibility	Level of Assistance	Application Submittal Deadline w/ Comments	Link to Website	Contact Information
Rural Energy for America Program - Renewable Energy and Energy Efficiency - Loans	Environmental & Education	All States	USDA	Federal	USDA is offering loan guarantees for up to 75 percent of total project costs for renewable energy systems and energy efficiency improvements. Eligible renewable energy projects must incorporate commercially available technology. This includes renewable energy from wind, solar, ocean, small hydropower, hydrogen, geothermal and renewable biomass (including anaerobic digesters). Energy efficiency improvement projects eligible for REAP funding include lighting, heating, cooling, ventilation, fans, automated controls and insulation upgrades that reduce energy consumption.	Agricultural producers with at least 50% of gross income coming from agricultural operations, and small businesses in eligible rural areas.	The maximum loan amount is \$25 million, up to 75% of total project cost. Renewable Energy System Grants : \$2,500 to \$500,000 Energy Efficiency Grants: \$1,500 to \$250,000	Less than \$20,000: Nov 1 or March 31 Unrestricted Loan: March 31	<a href="http://www.rd.usda.gov/programs-services/rural-energy-america-program-renewable-energy-systems-energy-efficiency">http://www.rd.usda.gov/programs-services/rural-energy-america-program-renewable-energy-systems-energy-efficiency</a>	Ron Omann, USDA Rural Development 375 Jackson St., Suite 410 St. Paul, MN 55101 (651)-602-7796 Ron.Omann@mn.usda.gov http://www.rd.usda.gov/mn
Source Water Protection: Competitive Grant Program	Groundwater	MN	MN Dept of Health	Non-Federal	Program to support source water protection for community and no transient noncommunity public water suppliers. Source water protection activities that are funded under this grant program must focus on managing or eliminating one or more potential sources of contamination that the Minnesota Department of Health has determined presents a risk to the public water supplier.	A public water supplier must meet the following conditions in order to qualify for a grant: 1) Be a community or a non-transient non-community public water supplier, and 2) the public water supplier is not currently subject to administrative penalty action by the MN Dept. of Health for violation of state or federal public water supply regulations. Although only qualifying public water suppliers may apply for a source water protection competitive grant, they may use this funding to support the work of other parties.	The total amount of funding that is available under this notice is \$75,000. An equal cost share for each work item is required for receiving a grant. Minimum grant amount of \$500. Maximum grant amount is \$10,000.	April and October of each year	<a href="https://www.health.state.mn.us/communities/environment/water/swp/grants.html">https://www.health.state.mn.us/communities/environment/water/swp/grants.html</a>	Drinking Water Protection Program Email: Health.DrinkingWater@state.mn.us (651-201-4700)
Contamination Investigation and RAP Development Grant	Brownfields	MN	MN Department of Employment and Economic Development	Non-Federal	Administered by DEED, this program is designed to assist communities in contamination investigation and RAP development. Similar to the Contamination Cleanup Grant, the applicant must be able to demonstrate the existence of a community supported redevelopment plan with an appropriate completion timeline. Funded activities include: site investigation (Phase I and Phase II), RAP development.	Eligible applicants include cities, counties, port authorities, housing and redevelopment authorities and economic development authorities are eligible applicants. Both publicly and privately owned sites with known or suspected soil or groundwater contamination qualify.	Grants can pay for up to 75% of the costs of Phase I, Phase II investigation and/or RAP preparation. Awards cannot exceed \$50,000, and require a 25% local match. A maximum of \$500,000 per year is available for grants, 35% of funds are dedicated to projects outside the seven-county metropolitan area.	May 1 and November 1 of each year	<a href="http://mn.gov/deed/government/financial-assistance/cleanup/contamination.jsp">http://mn.gov/deed/government/financial-assistance/cleanup/contamination.jsp</a>	Kristin Lukes Director, Office of Brownfields and Redevelopment 651-259-7451 or 800-657-3858
Contamination Cleanup Grant	Brownfields	MN	MN Department of Employment and Economic Development	Non-Federal	This program, administered by DEED, is designed to help communities pay for assessing and remediating contaminated sites for private or public redevelopment. Essential to this grant is the existence of a redevelopment plan supported by the community and an appropriate completion timeline. Funded activities include: Site investigation and cleanup costs necessary to implement the RAP, RAP implementation.	Eligible applicants include cities, counties, port authorities, housing and redevelopment authorities and economic development authorities. Both publicly and privately owned sites with known soil or groundwater contamination qualify. Cleanup grant applicants must have an MPCA-approved RAP.	Approximately \$4 million is available. Grants can pay for up to 75% of the costs of investigation, cleanup, and other costs necessary to implement the RAP. Awards require a 25% local match. 35% of funds are dedicated to projects outside the seven-county metropolitan area. Awards not to exceed \$50,000. Applications accepted May 1 and November 1 of each year	May 1 and November 1 of each year	<a href="http://mn.gov/deed/government/financial-assistance/cleanup/contamination.jsp">http://mn.gov/deed/government/financial-assistance/cleanup/contamination.jsp</a>	Kristin Lukes Director, Office of Brownfields and Redevelopment 651-259-7451 or 800-657-3858
Flood Hazard Mitigation Grants	Water Quantity	MN	MN DNR	Non-Federal	Program to provide technical and financial assistance to local governmental units for conducting flood damage reduction studies and for planning and implementing flood damage reduction measures. Studies and planning projects must be done with general funds. Design and construction projects are able to be funded through state bonding.	Cities, counties, townships, watershed districts, watershed management organizations and lake improvement districts.	A maximum of 50% of total eligible project costs up to \$150,000 using general funds. Grant requests for more than \$150,000 must be approved by the Legislature.	Recommended that the completed application form be submitted to your DNR Division of Waters Area Hydrologist by June 1 of the year in which you wish to apply. Early coordination is recommended.	<a href="http://www.dnr.state.mn.us/grants/water/flood_hazard.html">http://www.dnr.state.mn.us/grants/water/flood_hazard.html</a>	Pat Lynch, Flood Damage Reduction Program Manager DNR Division of Waters (651) 259-5691 E-Mail: pat.lynch@dnr.state.mn.us
Hazard Mitigation Grant Program (HMGP)	Water Quantity	All States	FEMA	Federal	The HMGP is a cost-share grant (75% federal/25% local) made available statewide post- disaster. Funds are made available on a state-to-state basis depending on declared disasters. Eligible applicants will be invited to develop full HMGP applications. Potential projects include: •Acquisition of repetitively damaged structures from flood-prone areas •Tornado safe rooms •Retrofit of overhead power lines •Warning Sirens - Beyond the Tornado and into the 21st Century	Currently, the Hazard Mitigation Grant Program (HMGP) has funding available to qualified communities interested in mitigating future damage from natural hazards and helping residents stay safe during severe weather. Eligible applicants include: •State and local governments •Certain private non-profit organizations and institutions •Native American tribes and authorized tribal organizations	The HMGP is a cost-share grant (75% federal/25% local) made available statewide post- disaster.  \$14.6 million made available for MN in 2021	NOI due October 1, 2021 Full proposal due July 1, 2022	<a href="https://www.fema.gov/hazard-mitigation-grant-program">https://www.fema.gov/hazard-mitigation-grant-program</a>	Contact Senior Mitigation Planner in the Mitigation Division, Risk Analysis Branch of the appropriate FEMA Regional Office. <a href="https://www.fema.gov/fema-regional-contacts">https://www.fema.gov/fema-regional-contacts</a>
Clean Water State Revolving Fund - Drinking Water	Water Quality	MN	MN Public Facilities Authority (MPFA)	Non-Federal	The Clean Water State Revolving Fund, is established under the Federal Clean Water Act and state law to make loans to for point source (wastewater and stormwater) and nonpoint source water pollution control projects. The Public Facilities Authority (PFA) prepares an annual Intended Use Plan (IUP) based on a Project Priority List (PPL) developed by the MPCA. The IUP describes the projects and activities eligible for funding during the state fiscal year.	The Minnesota Department of Health is soliciting requests to place new projects on the Drinking Water Revolving Fund (DWRF) Project Priority List (PPL). Projects must be on the list to be eligible for below market rate DWRF loans to improve public drinking water systems. Typical projects include watermain, wells, water treatment plants and water towers. Funding is not for expansion of water systems to serve future growth or for fire suppression infrastructure.	Below market-rate, low-interest loans, principal-forgiveness or grants to local governments.	6 months after Intended Use Plan is approved	<a href="https://mn.gov/deed/pfa/funds-programs/cleanwaterrevolvingfund.jsp">https://mn.gov/deed/pfa/funds-programs/cleanwaterrevolvingfund.jsp</a>	Contact Chad Kolstad at 651-201-3972 or chad.kolstad@state.mn.us
Regional Sustainable Development Partnerships	Natural Resources/ Habitat Protection	MN	University of MN Extension	Non-Federal	The Regional Sustainable Development Partnerships (RSDP) connect greater Minnesota communities to the University of Minnesota in order to help solve problems and take advantage of new opportunities. As a part of University of Minnesota Extension, RSDP brings together local talent and resources with University of Minnesota knowledge and seed funding to drive sustainability in four areas: agriculture and food systems, tourism and resilient communities, natural resources, and clean energy.	Any individual or organization.	No funding guidelines given.	Applications can be submitted at any time and are reviewed within specific application periods	<a href="http://www.extension.umn.edu/rsdp/">http://www.extension.umn.edu/rsdp/</a>	Kathryn Draeger Statewide Director, Regional Sustainable Development Partnerships draeg001@umn.edu 612-625-3148 (Regional Executive Director information on website)
Conference and Training Support	Natural Resources/ Habitat Protection	MN	MN DNR	Non-Federal	The MN DNR is offering grants to eligible partners for hosting conferences, meetings, retreats, seminars, symposiums, workshops, training or other events. The primary purpose of these events must be providing technical information; participants will enhance their skills and knowledge for managing coastal resources and development through the course of the conference. Partners can use grant funding to send staff, community leaders and resource managers to conferences. Events must be related to coastal management including protecting/restoring coastal habitats, increasing resilience to coastal hazards, managing public access to coasts, etc.	Cities, townships and counties within the coastal area; area-wide agencies; regional planning agencies; state agencies; non-profit organizations; colleges and universities; public school districts in the coastal area; conservation districts; port authorities; tribal governments; joint powers boards; sanitary sewer districts.	Maximum award of \$4,500, 10% match required	Applications are due at least 30 days in advance of the event.	<a href="https://www.dnr.state.mn.us/waters/lakesuperior/grants.html?utm_medium=email&amp;utm_source=govdelivery">https://www.dnr.state.mn.us/waters/lakesuperior/grants.html?utm_medium=email&amp;utm_source=govdelivery</a>	Cynthia Poyhonen, Grants Specialist (218) 834-1447 or Cynthia.poyhonen@state.mn.us
Carver County Cost-Share Program	Water Quality	MN	Carver County	Non-Federal	Carver County Water Management Organization funds a cost share program to promote citizens to use innovative Best Management Practices (BMPs) to protect and restore the quality of water within the county. The goal of the program is to increase the awareness of water quality issues affecting the county and at the same time have citizens take an active role in the protection and/or restoration of the environment. In cooperation with both County Staff and Private Citizens, this program will continue the strong tradition of protecting the natural resources of this great county.	This program is available to anyone that is a citizen of Carver County, municipalities, and private businesses located within the Carver County Water Resource Management Area. Some areas of the County are located outside the CCWMO boundaries are on instead in Riley Purgatory Bluff Creek Watershed District or Lower MN River Watershed District.	The program will cover 75% of eligible costs up to a maximum reimbursement of \$5000. This is a competitive grant program, with the possibility of grant requests not obtaining funding. If the annual funding for a fiscal year is depleted, project applications for the year will be held over to the following year. These projects will be prioritized by the date in which the application was turned in.	Applications accepted all year.	<a href="https://www.co.carver.mn.us/departments/independent-agencies/soil-water-conservation-district-swcd/programs-services/cost-share-program#:~:text=Any%20land%20occupier%20including%20owner,eligible%20costs%20of%20a%20project">https://www.co.carver.mn.us/departments/independent-agencies/soil-water-conservation-district-swcd/programs-services/cost-share-program#:~:text=Any%20land%20occupier%20including%20owner,eligible%20costs%20of%20a%20project</a>	Terry Meiller Resource Conservationist 952-466-5230 tmeiller@co.carver.mn.us
Reimagining Great Lakes Water Systems	Water Quality	MN	Great Lakes Protection Fund	Non-Federal	The GLPF is looking for new ideas, new projects and new cohorts of people to catalyze a transition to a new era of water systems. Water systems are the built infrastructure, the natural landscapes, and the operating rules that govern how water moves, what moves in water and what moves on water. Improved water systems will better solve a range of problems that vex our current systems, including: reducing nutrient-driven harmful algae blooms, better handling of large rainstorms, being adaptable to changing economic and demographic conditions, and providing better value for the money GLPF will invest in them.	Eligible applicants include: non-profit organizations, universities, governmental agencies, individuals, for-profit businesses within the Great Lakes watershed area.	The average level of Fund support is \$460,000, but past awards have ranged from \$20,000 to \$1.6 million	Applications accepted all year.	<a href="http://glpf.org/get-funding/projects-wanted/">http://glpf.org/get-funding/projects-wanted/</a>	David Rankin, Program Director 847-425-8150
Brownfield Gap Financing Program	Brownfields	MN	Hennepin County	Non-Federal	Managed by Minnesota Brownfields and funded through Hennepin County's Environmental Response Fund (ERF), the Brownfield Gap Financing Program provides small grants to nonprofit developers to close gaps in project costs for environmental assessment and cleanup of property in Hennepin County. Funded activities include: Identification and, in some cases, remediation of unexpected environmental issues (such as unanticipated Phase I and II investigations or small-scale cleanup), Preparation for a larger funding request from the County's ERF	Eligible applicants for this program must be registered as a non-profit within the State of Minnesota, a community group, a government supported organization, or a government entity located within Hennepin County. Applicants must own the property, have a purchase or lease agreement in place, or have a letter of intent to purchase by the applicant from the property owner.	Typical Brownfield Gap Financing Program grants are less than \$10,000, but may be up to \$15,000.	Applications accepted all year.	<a href="http://mnbrownfields.org/our-work/brownfield-gap-financing/">http://mnbrownfields.org/our-work/brownfield-gap-financing/</a>	Hava Blair, Minnesota Brownfields, Program Coordinator PO Box 16244 St. Paul, MN 55116 612-513-4301 hblair@mnbrownfields.org



Grant Program	Category	State	Sponsor Agency/ Org	Federal/ Non-Federal	General Info	Eligibility	Level of Assistance	Application Submittal Deadline w/ Comments	Link to Website	Contact Information
Capitol Region Watershed District (CRWD) Stewardship Grants	Water Quality	MN	Capitol Region Watershed District (CRWD)	Non-Federal	Stewardship Grants help businesses or homeowners build projects on their property that prevent stormwater pollution. Public and private landowners are eligible for technical and financial assistance to install water quality improvement best management practices (BMPs). Specifically, the program funds BMPs that reduce stormwater runoff, prevent erosion and filter pollutants. Typical BMP projects include but are not limited to: 1) rain gardens, 2) shoreline restoration, 3) water reuse systems, 4) permeable hardscapes (pavers, asphalt etc.). Stewardship Grant awards are allocated based on the water quality benefits provided by each Stormwater Best Management Practice (BMPs). Projects that capture runoff from streets (curb cut rain gardens), parking lots, or other larger impervious surfaces receive higher awards due to their higher water quality benefits.	Property owners within Capitol Region Watershed District (CRWD) are eligible for grants.	Total available grant amount is unknown. High impact projects may receive up to 95% grant in addition to free design services.	Applications accepted all year.	<a href="http://www.capitolregionwd.org/our-work/grants/stewardship-grants/">http://www.capitolregionwd.org/our-work/grants/stewardship-grants/</a>	For questions or to submit an application, please contact Joe Lochner at Ramsey County Soil & Water Conservation Division at 651-266-7273 or joseph.lochner@co.ramsey.mn.us
Conservation Initiative Funding Program	Water Quality	MN	Dakota County Soil & Water Conservation District	Non-Federal	The Dakota SWCD offers funding and/or technical assistance for projects that demonstrate innovative stormwater management, low impact development and/or conservation design principles.	Dakota County land owners, developers, and local units of government	\$25,000 maximum cost share to reimburse applicant for up to 75% estimated project cost	Applications accepted all year.	<a href="http://www.dakotacountyswcd.org/cif.html">http://www.dakotacountyswcd.org/cif.html</a>	Contact Dakota County SWCD (651) 480-7777
Clean Water Partnership Loan Program	Water Quality	MN	MPCA	Non-Federal	The MPCA is accepting applications for water resource projects to be funded through the CWP Loan Program (approximately \$11 mill available). Application will be accepted from local governmental units (LGUs) interested in leading a project for protection or improvement of groundwater or surface water bodies from nonpoint sources. Applicants awarded loan funds may begin project work after the loan agreement is executed and project workplan is approved. No reimbursable costs may be incurred prior to execution of the loan agreement.	Only LGUs that meet the following criteria are eligible to apply for loans. • LGU has the ability to pledge its full faith and credit to ensure repayment of a project implementation loan • LGU has the authority to generate cash revenues for the repayment of a loan • LGU has the authority to enter into a loan agreement with the MPCA LGUs that meet these requirements include counties, cities, townships, tribes, watershed districts, and watershed management organizations. Joint powers organizations composed of previously mentioned entities are also eligible, but must submit a resolution from at least one LGU that meets the eligible criteria stating that they will participate in the project as a loan sponsor. Local soil and water conservation districts and other LGUs that are not eligible to serve as a loan sponsor may partner as a project sponsor with another government entity, such as a county or watershed district, which will serve as the loan sponsor.	About \$15 million in loans will be available. The maximum loan award is \$2 million.  No matching funds are required.	Applications accepted all year.	<a href="https://www.pca.state.mn.us/water/financial-assistance-nonpoint-source-water-pollution-projects-clean-water-partnership-and">https://www.pca.state.mn.us/water/financial-assistance-nonpoint-source-water-pollution-projects-clean-water-partnership-and</a>	Cindy Penny: cynthia.penny@state.mn.us or 651-757-2099
Environmental Quality Incentives Program	Water Quality	All States	USDA NRCS	Federal	The Environmental Quality Incentives Program (EQIP) is a voluntary conservation program that helps agricultural producers in a manner that promotes agricultural production and environmental quality as compatible goals. Through EQIP, agricultural producers receive financial and technical assistance to implement structural and management conservation practices that optimize environmental benefits on working agricultural land.	Agricultural producers and owners of non-industrial private forestland and Tribes are eligible to apply for EQIP. Eligible land includes cropland, rangeland, pastureland, non-industrial private forestland and other farm or ranch lands.	Submitted applications may be considered or evaluated in multiple funding pool opportunities.	EQIP applications are accepted on a continuous basis, however, NRCS establishes application "cut-off" or submission deadline dates for evaluation	<a href="https://www.nrcs.usda.gov/wps/portal/nrcs/main/national/programs/financial/eqip/">https://www.nrcs.usda.gov/wps/portal/nrcs/main/national/programs/financial/eqip/</a>	Brenda Tonn, Program Specialist Phone: 651-602-7883 Email: brenda.tonn@mn.usda.gov
Special Opportunity Grant Program	Water Quality	All States	Freshwater Future	Non-Federal	The Special Opportunity Grants Program (Emergency Grants) is for the aquatic habitat protection efforts that may not coincide with the application timeline or grant period for the Projects Grants Program. Freshwater Future realizes that many grassroots projects can be completed for under \$500 USD, therefore we maintain a reserve to support urgent projects or those that present a special, time-limited opportunity. Although the eligibility, overarching goal, priority program areas, and evaluation criteria are the same as the regular grants programs, Special Opportunity Grant (SOG) requests are processed differently to ensure quick turnaround.	Must be a registered non-profit organization or charity or have a sponsoring non-profit organization or charity.	Typically \$500 or less	Applications accepted all year as long as funding is available	<a href="http://freshwaterfuture.org/grants/special-opportunity-grant-program/">http://freshwaterfuture.org/grants/special-opportunity-grant-program/</a>	Melanie Napoleon Welch melanie@freshwaterfuture.org
Water & Waste Disposal Loan and Grant Program	Water/Wastewater	All States	USDA	Federal	This program provides funding for clean and reliable drinking water systems, sanitary sewage disposal, sanitary solid waste disposal, and storm water drainage to households and businesses in eligible rural areas. The project funds may be used to finance the acquisition, construction, or improvement of drinking water sourcing, treatment, storage and distribution, sewer collection, transmission, treatment, and disposal, solid waste collection, disposal and closure, stormwater collection, transmission, and disposal.	This program assists qualified applicants who are not otherwise able to obtain commercial credit on reasonable terms. Eligible applicants include: -Most state and local governmental entities -Private nonprofits -Federally-recognized tribes	Long-term, low-interest loans If funds are available, a grant may be combined with a loan if necessary to keep user costs reasonable.	Applications accepted all year.	<a href="https://www.rd.usda.gov/programs-services/water-waste-disposal-loan-grant-program">https://www.rd.usda.gov/programs-services/water-waste-disposal-loan-grant-program</a>	Contact Local RD State Offices: <a href="https://www.rd.usda.gov/contact-us/state-offices">https://www.rd.usda.gov/contact-us/state-offices</a>
RPBCWD Grants	Water Quality	MN	Riley-Purgatory-Bluff Creek Watershed District	Non-Federal	Grants are available for projects that: improve watershed resources, foster water resources stewardship, increase awareness of the vulnerability of watershed resources, increase familiarity with and acceptance of solutions to improve waters. Project examples: raingardens, pervious asphalt and pavers, shoreland and streambank restoration, volume reduction and runoff treatment practices, wetland restoration.  Grant Programs: -Watershed Stewardship Grants -Action Grants -Educator Grants	Residential property owners, non-profit organizations, commercial property owners, and governments are eligible. Must be located in the Riley-Purgatory-Bluff Creek Watershed District.	Maximum Stewardship Grant Awards: Residential: \$5,000 (up to 75% of project cost) Non-profits: \$20,000 (up to 75% of project cost) Commercial and government: \$50,000 (up to 50% of project cost)  Action Grant: Up to \$250 Educator Grant: \$50 to \$250	Applications accepted all year.	<a href="http://www.rpbcwd.org/grants">http://www.rpbcwd.org/grants</a>	Maya Swope 952-687-1348 mswope@rpbcwd.org
Great Lakes Protection Fund- A Call for People, Ideas, and Projects	Natural Resources/ Habitat Protection	Great Lakes Basin States	Great Lakes Protection Fund	Non-Federal	The Great Lakes Protection Fund seeks to support a suite of action-oriented projects to design, deploy, and evaluate new prototype solutions to important challenges facing our ecosystem: -Increasingly large rain events, -Under-investment in water infrastructure -Nutrient pollution and harmful algae blooms, -Threats posed by potential and existing invasive species, and -Adapting to the demographic and economic changes in our region These challenges are at the root of impairments to water quality, altered flow regimes and detrimental shifts in the ecology of the basin. The Fund believes that advances in real-time management of water, in integrating natural and built water management systems, in designing pay-for-performance financing, and in machine learning and autonomous control can be combined to create new solutions to these big challenges.	The Great Lakes Protection Fund can support a wide variety of applicants. Non-profit organizations (including environmental organizations, trade associations, and universities), governmental agencies, individuals, and for-profit businesses are eligible for Fund support. Successful applicants must maintain open access to certain project data, records and information. All applicants must show that the proposed work has clear public benefit and that any related financial benefits will accrue to the public good within the Great Lakes Basin. Government agencies must show that Fund support is not being used to replace or duplicate funds. The Fund will not support advocacy campaigns, litigation or compliance obligations.	Budget requests should reflect the full amount of funds necessary to complete the proposed work. Past awards have ranged from \$20,000 to \$1.5 million. Matching funds are not necessary. The fund will support overhead costs at a maximum of 15% of project costs.	Applications accepted all year.	<a href="http://glpf.org/get-funding/projects-wanted/">http://glpf.org/get-funding/projects-wanted/</a>	Simon Belisle Project Development Manager 847-425-8193 startaconversation@glpf.org
Citizen Conservation Stewards	Water Quality	MN	Dakota County Soil & Water Conservation District	Non-Federal	Program supports smaller conservation practices on individual properties by providing technical and cost share assistance.	Dakota County property owners	Up to \$5,000 available to fund each project, up to 75% of total cost.	Applications accepted all year.	<a href="http://www.dakotacountyswcd.org/ccs.html">http://www.dakotacountyswcd.org/ccs.html</a>	Contact Dakota County SWCD (651) 480-7777
Metro Conservation Corridor Partnership Habitat Restoration Program	Natural Resources/ Habitat Protection	MN	MN DNR	Non-Federal	Great River Greening is seeking partners to implement habitat restoration on protected lands and waters, with priority given to projects that 1) protect and restore water quality (projects must include monitoring), 2) protect, restore, and enhance land and habitat, and 3) reduce the spread of invasive species along streams, rivers, and land transportation routes.	Partners can be counties, watershed districts, cities, non-profits and others within the 12-county metropolitan area. Projects must be within a mapped Metro Conservation Corridor	1:1 match is suggested. \$13,800,000 approved by LCCMR	Applications accepted all year.	<a href="http://www.dnr.state.mn.us/metroconservationcorridors/index.html">http://www.dnr.state.mn.us/metroconservationcorridors/index.html</a>	For more information, please contact: Kristina Geiger, 651-917-6295 Minnesota Land Trust, kgeiger@mnlnd.org Bart Richardson, 651-259-5796 MnDNR, bart.richardson@state.mn.us
Capitol Region Watershed District (CRWD) Water Quality Planning Grants	Water Quality	MN	Capitol Region Watershed District (CRWD)	Non-Federal	Capitol Region Watershed District (CRWD) Water Quality Capital Improvement Grants provide financial assistance for feasibility and design of projects that protect and improve the water quality of waterbodies within CRWD. Typical projects funded through this program include feasibility studies and engineering services to identify, prioritize, and design capital improvement projects that include benefits to natural resources. The goals of this grant are to: -Identify innovate, cost-effective solutions for protecting and improving water quality of CRWD lakes, streams, and wetlands and the Mississippi River -Develop designs including preliminary and final plans, for water quality improvement projects -Improve our understanding of best practices to protect and improve local water resources -Build capacity for partners to accelerate on-the-ground projects that protect and improve water quality	Government agencies, public and private schools, non-profit, faith-based or religious organizations, businesses or other private property owners who are located within CRWD	The professional design is anticipated to exceed \$40,000. Projects must include identification of public educational opportunities. Projects required to meet regulations are not eligible.  Typical annual funding available: \$100,000 Average grant award: \$20,000	Applications accepted all year.	<a href="http://www.capitolregionwd.org/our-work/grants/special-grants/">http://www.capitolregionwd.org/our-work/grants/special-grants/</a>	Carol Lundgren clundgren@capitolregionwd.org 651-644-8888 ext.111



Grant Program	Category	State	Sponsor Agency/ Org	Federal/ Non-Federal	General Info	Eligibility	Level of Assistance	Application Submittal Deadline w/ Comments	Link to Website	Contact Information
Forest Stewardship Program	Natural Resources/ Habitat Protection	MN	MN DNR	Non-Federal	Cost share program to provide technical advice and long range planning to interested land owners. Forest stewardship plans are the outcome of the program- plans are designed to meet landowner goals while maintaining the sustainability of the land.	Financial assistance to woodland owners for completing projects to practice good forest stewardship on their land. A typical project is between 3 and 20 acres but could be smaller or larger depending on land goals.	Fund availability dependent on time of application. Contact for more info.	Contact	<a href="https://www.dnr.state.mn.us/woodlands/cost-share.html">https://www.dnr.state.mn.us/woodlands/cost-share.html</a>	Private Forest Program Coordinator DNR Forestry 500 Lafayette Road, Box 44 St. Paul, MN 55155 (651) 259-5261
State Cost Share Program	Water Quality	MN	Minnesota Soil & Water Conservation Districts	Non-Federal	Program assists landowners financially with the installation of soil and water conservation practices.	Contact SWCD within the Twin Cities metro area.	Cost share ranges from 50% to 75% based on water quality impacts.	Contact local SWCD.	<a href="http://www.maswcd.org/SWCDs_On_The_Web/swcds_on_the_web.htm">http://www.maswcd.org/SWCDs_On_The_Web/swcds_on_the_web.htm</a>	Contact local SWCD.
Watershed Pollutant Load Monitoring Network	Water Quality	MN	MPCA	Non-Federal	MPCA provides grants to collect water quality data during events when runoff is high to gauge contaminant concentrations and loads from the watershed.	Soil and water conservation districts, watershed districts, regional planning organizations, watershed management organizations, local units of government, regional government groups, joint powers boards, Minnesota colleges and universities, nonprofit organizations and American Indian Tribal governments.	Contact MPCA for funding information	Contact MPCA for partnership information	<a href="https://www.pca.state.mn.us/water/watershed-pollutant-load-monitoring">https://www.pca.state.mn.us/water/watershed-pollutant-load-monitoring</a>	Lee Ganske, 507-344-5248 (Mankato) Patrick Baskfield, 507-344-5240 (Mankato)
Washington Conservation District Water Quality Cost-Share	Water Quality	MN	Washington Conservation District	Non-Federal	WCD provides small grants to land owners wishing to improve surface water quality in Washington County. Eligible practices include rainwater gardens, infiltration systems, and other innovative approaches to treat stormwater runoff at the source.	Landowners in Washington County.	Contact the WCD staff to learn what funds are available.	Contact WCD	<a href="http://www.mnwcd.org/financial-assistance/">http://www.mnwcd.org/financial-assistance/</a>	Contact SWCD.
Dam Safety Grants	Water Quantity	MN	MN DNR	Non-Federal	Intent is to improve the safety and condition of publicly owned dams and water level control structures. Eligible projects include dam reconstruction, repair, and removal.	Cities, counties, townships, watershed districts	Reimbursement of costs, up to 50% for repairs, up to 100% for removals. Grants have ranged from \$25,000 to \$1,000,000	Before filling out the application, contact your area hydrologist or Jason Boyle, State Dam Safety Engineer	<a href="https://www.dnr.state.mn.us/waters/surfacewater_section/damsafety/grants.html">https://www.dnr.state.mn.us/waters/surfacewater_section/damsafety/grants.html</a>	Jason Boyle, State Dam Safety Engineer DNR Division of Waters (651) 259-5715 E-mail: jason.boyle@dnr.state.mn.us
Advanced Assistance for HMGP Grant Program	Water Quantity	All States	FEMA	Federal	Advance Assistance (AA) is authorized by the Sandy Recovery Improvement Act, which allows advancing up to 25 percent of the HMGP ceiling or \$10 million to applicants and subapplicants, whichever is less. The purpose of AA is to provide states, Federally-recognized tribes, and territories with resources to develop mitigation strategies and obtain data to prioritize, select, and develop complete HMGP applications in a timely manner. FEMA expects applicants and subapplicants that receive AA to submit complete project applications up to or over the HMGP ceiling by the application deadline.	Currently, the Hazard Mitigation Grant Program (HMGP) has funding available to qualified communities interested in mitigating future damage from natural hazards and helping residents stay safe during severe weather. Eligible applicants include: •State and local governments •Certain private non-profit organizations and institutions •Native American tribes and authorized tribal organizations	Provides up to 25% of the HMGP ceiling or \$10 million to applicants/subapplicants (whichever is less).	Contact	<a href="https://www.fema.gov/hazard-mitigation-grant-program-resources">https://www.fema.gov/hazard-mitigation-grant-program-resources</a>	Contact Senior Mitigation Planner in the Mitigation Division, Risk Analysis Branch of the appropriate FEMA Regional Office. <a href="https://www.fema.gov/fema-regional-contacts">https://www.fema.gov/fema-regional-contacts</a>
Hazard Mitigation Funding (Section 406)	Water Quantity	All States	FEMA	Federal	Section 406 funding Is a cost share program through the Federal Emergency Management Agency to provide funding for hazard mitigation assistance. 406 mitigation is hazard specific and only applies to disaster applicants for PA. However, there is a separate state administered program, Hazard Mitigation Grant Program - Section 404, that applies to structural and non-structural measures and is not disaster specific. Examples of 406 mitigation include relocation, slope stabilization, protection from high winds, flood proofing of buildings, flood protection of bridges and culverts, protection of utilities.	Eligible applicants include: •State and local governments •Certain private non-profit organizations and institutions •Native American tribes and authorized tribal organizations	Mitigation measures may amount to up to 15% of the total eligible cost of the eligible repair work on a particular project. Funding is non-competitive	Contact	<a href="https://www.fema.gov/hazard-mitigation-grant-program-resources">https://www.fema.gov/hazard-mitigation-grant-program-resources</a>	Contact Senior Mitigation Planner in the Mitigation Division, Risk Analysis Branch of the appropriate FEMA Regional Office. <a href="https://www.fema.gov/fema-regional-contacts">https://www.fema.gov/fema-regional-contacts</a>



# LMRWMO Plan Update – December 2021

## 9.2 Watershed Plan Update Status

Proposed Schedule for Stakeholder Engagement during LMRWMO Plan Development																																																				
Phase	Memo Section	Task description	stakeholder engagement					2020												2021												2022																				
			managers	TAC	CAC	cities	agencies	public	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D								
Phase 1	2.5, 2.6	recruit and meet with TAC and CAC	X	X	X																																															
	2.2	implement stakeholder survey	X		X		X																																													
	2.1	distribute plan update notification and summarize responses	X			X	X																																													
	2.7	engage community through events and interviews	X		X	X		X																																												
	NA	Board visioning workshop	X																																																	
	2.4	city officials event (boat tour)-	X			X																																														
	2.4 (revised)	city officials event (watershed tour) - designed to obtain feedback	X			X																																														
	2.3	host initial planning meeting	X	X	X	X	X	X																																												
	2.8 (new)	Topic presentations to Board of Managers	X			X																																														
	2.9 (new)	Develop LMRWMO outreach template and communication pieces						X																																												
prepare draft plan	NA	aggregate data and update inventory	X			X	X																																													
	NA	Board prioritization of issues and resources	X																																																	
	NA	establish measurable goals	X	X																																																
	NA	review policies and performance standards	X	X		X																																														
	NA	update targeted implementation program	X	X	X	X																																														
	NA	compile draft plan and graphic executive summary	X																																																	

### Current Tasks:

- Review and revise goals, strategies, and policies
  - December meeting
  - January meeting

### Upcoming Tasks:

- TAC review of goals, strategies, and policies
  - January 3-7
  - January 20-28
- CAC of relevant goals, strategies, policies
  - January 30-February 4