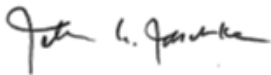


DATE: December 11, 2018

TO: Board of Water and Soil Resources' Members, Advisors, and Staff

FROM: John Jaschke, Executive Director 

SUBJECT: BWSR Board Meeting Notice – December 19, 2018

The Board of Water and Soil Resources (BWSR) will meet on Wednesday, December 19, 2018, beginning at 9:00 a.m. The board meeting will be held at the Eagan Community Center – South Oaks Room, located at 1501 Central Parkway, Eagan, MN 55121.

The following information pertains to agenda items:

### **COMMITTEE RECOMMENDATIONS**

#### ***Grants Program and Policy Committee***

1. **Performance Review and Assistance Program (PRAP) Assistance Grants** – The purpose of this agenda item is to revise the authorization of the Performance Review and Assistance Program (PRAP) approved in June 2018 through order #18-41. The previous board order restricted the source of funds that could be used for the grants to returned state cost share funds. This has limited the ability to issue grants because the amount of returned state cost share funds has decreased significantly in the past several years. **DECISION.**
2. **FY2019 Clean Water Fund Implementation Program Policy and the FY2019 Clean Water Fund Competitive Grants Program Authorization** – The purpose of this agenda items is to allocate FY19 Clean Water Competitive grants. On June 19, 2018 the Board adopted Board Order #18-33 which authorized staff to conduct a request for proposals from eligible local governments for Clean Water Fund projects in three program categories: Accelerated Implementation, Projects and Practices, and Multipurpose Drainage. Applications were accepted from July 9 through August 31, 2018. Local governments submitted 136 applications requesting \$29,832,685 in Clean Water Funds. BWSR Clean Water staff conducted multiple processes to review and score applications and involved staff of other agencies to develop the proposed recommendations for grant awards per the attached spreadsheets. The BWSR Senior Management Team reviewed the recommendations on November 13th and made the recommendation to the Grants Program and Policy Committee. The BWSR Grants Program and Policy Committee reviewed the recommendations on November 26th, and made a recommendation to the full Board. A draft Order is attached based on the recommendation of the Grants Program and Policy Committee. **DECISION**

### **NEW BUSINESS**

1. **Metropolitan Council Presentation – Met Council's History and Role in Water Resources Management and Planning** – BWSR works with the Metropolitan Council to coordinate metro local water management plan review and local watershed management planning as guided by MN Statute 103B and MN Rule 8410. Because of this relationship, Metropolitan Council staff have been invited to give a presentation to the BWSR Board on the history and role of the Metropolitan Council in water resource management and

planning in the Twin Cities Metropolitan Area. Kevin Bigalke, BWSR Central Region Manager, will also provide background on the history of water planning in the Twin Cities Metropolitan Area. **INFORMATION.**

2. **Red River Watershed Management Board (RRWMB) Update** – Rob Sip, Executive Director, will give an update on the RRWMB. The RRWMB’s jurisdiction and authority encompasses the area managed by the individual watershed districts that have membership on the Board. Seven watershed districts within the Red River Valley form the RRWMB including the Joe River, Two Rivers, Roseau River, Middle-Snake-Tamarac Rivers, Red Lake, Wild Rice, and Bois de Sioux.

The RRWMB was created by an act of the Minnesota legislature in 1976 to provide an organization with a basin-wide perspective concerning flooding. Historically, the activities of the RRWMB have centered on flood control. Previous efforts in dealing with the flooding problem within the Red River Basin consisted of single projects within a localized area, planned with primary regard to local benefits. The RRWMB actively promotes a basin-wide perspective for water management. **INFORMATION.**

If you have any questions regarding the agenda, please feel free to call me at 651-296-0878. We look forward to seeing you on December 19.

**BOARD OF WATER AND SOIL RESOURCES  
EAGAN COMMUNITY CENTER - SOUTH OAKS ROOM  
1501 CENTRAL PARKWAY  
EAGAN, MN 55121  
WEDNESDAY, DECEMBER 19, 2018**

**PRELIMINARY AGENDA**

**9:00 AM CALL MEETING TO ORDER**

**PLEDGE OF ALLEGIANCE**

**ADOPTION OF AGENDA**

**MINUTES OF OCTOBER 24, 2018 BOARD MEETING**

**PUBLIC ACCESS FORUM** (10-minute agenda time, two-minute limit/person)

**CONFLICT OF INTEREST DECLARATION**

*A conflict of interest, whether actual, potential, or perceived, occurs when someone in a position of trust has competing professional or personal interests, and these competing interests make it difficult to fulfill professional duties impartially. At this time, members are requested to declare conflicts of interest they may have regarding today's business. Any member who declares an actual conflict of interest must not vote on that agenda item. All actual, potential, and perceived conflicts of interest will be announced to the board by staff before any vote.*

**REPORTS**

- Chair & Administrative Advisory Committee - Gerald Van Amburg
- Audit & Oversight Committee - Gerald Van Amburg
- Executive Director - John Jaschke
- Dispute Resolution Committee - Gerald Van Amburg
- Grants Program & Policy Committee - Steve Sunderland
- RIM Reserve Committee – Tom Loveall
- Water Management & Strategic Planning Committee - Jack Ditmore
- Wetland Conservation Committee - Tom Schulz
- Buffers, Soils & Drainage Committee - Kathryn Kelly
- Drainage Work Group - Tom Loveall/Al Kean

## **COMMITTEE RECOMMENDATIONS**

### ***Grants Program and Policy Committee***

1. Performance Review and Assistance Program (PRAP) Assistance Grants – Dale Krystosek – ***DECISION ITEM***
2. FY2019 Clean Water Fund Implementation Program Policy and the FY2019 Clean Water Fund Competitive Grants Program Authorization – Marcey Westrick – ***DECISION ITEM***

## **NEW BUSINESS**

1. Metropolitan Council Presentation – Met Council’s History and Role in Water Resources Management and Planning – Kevin Bigalke, Doug Thomas, Sam Paske (Met Council), Judy Sventek (Met Council) – ***INFORMATION ITEM***
2. Red River Watershed Management Board (RRWMB) Update – Rob Sip (RRWMB) – ***INFORMATION ITEM***

## **AGENCY REPORTS**

- Minnesota Department of Agriculture – Susan Stokes
- Minnesota Department of Health – Chris Elvrum
- Minnesota Department of Natural Resources – Tom Landwehr
- Minnesota Extension Service – Joel Larson
- Minnesota Pollution Control Agency – Glenn Skuta

## **ADVISORY COMMENTS**

- Association of Minnesota Counties – Jennifer Berquam
- Minnesota Association of Conservation District Employees – Chessa Frahm
- Minnesota Association of Soil & Water Conservation Districts – LeAnn Buck
- Minnesota Association of Townships – Nathan Redalen
- Minnesota Association of Watershed Districts – Emily Javens
- Natural Resources Conservation Service – Troy Daniell

## **UPCOMING MEETINGS**

- The BWSR RIM Committee meeting is scheduled to meet in the Eagan Community Center, South Oaks Room, immediately following the adjournment of the December 19 board meeting.
- Next BWSR Meeting is scheduled for Wednesday, January 23, 2019, at 9:00AM. The meeting will tentatively be held in Room 1 in the MNDOT Training and Conference Center, located at 1900 County Rd I, Shoreview, MN 55126. Confirmation of location information will be shared with board members and posted on the BWSR website in advance of the January meeting.

## **ADJOURN**

**BOARD OF WATER AND SOIL RESOURCES  
520 LAFAYETTE ROAD N.  
LOWER LEVEL BOARD ROOM  
ST. PAUL, MINNESOTA 55155  
WEDNESDAY, OCTOBER 24, 2018**

**BOARD MEMBERS PRESENT:**

Jill Crafton, Jack Ditmore, Kathryn Kelly, Tom Landwehr, DNR; Tom Loveall, Nathan Redalen, Tom Schulz, Jeff Berg, MDA; Steve Sunderland, Rich Sve, Gerald Van Amburg, Shannon Lotthammer, MPCA; Joe Collins, Chris Elvrum, MDH; Duane Willenbring, Patty Acomb, Harvey Kruger

**BOARD MEMBERS ABSENT:**

Neil Peterson, Paige Winebarger, Joel Larson, University of Minnesota Extension;

**STAFF PRESENT:**

John Jaschke, Angie Becker Kudelka, Hannah Pallmeyer, Al Kean, Melissa Lewis, Kevin Bigalke, Cari Pagel, Melissa King, Bethany Espeseth, Dave Weirens, Marcey Westrick, Hannah Hoeger, Doug Thomas, Suzanne Rhees

**OTHERS PRESENT:**

Emily Javens, Minnesota Association of Watershed Districts (MAWD)  
Jason Garms, Minnesota Department of Natural Resources (DNR)  
Brian Martinson, Southern Minnesota Beet Sugar Cooperative  
Amanda Bilek, MN Corn Growers Association  
LeAnn Buck, Minnesota Association of Soil and Water Conservation Districts (MASWCD)  
Josie Lonetti, MN Farm Bureau

**Chair Gerald Van Amburg called the meeting to order at 9:05 AM**

## **PLEDGE OF ALLEGIANCE**

**\*\* 18-58 ADOPTION OF AGENDA** - Moved by Tom Schulz, seconded by Kathryn Kelly, to adopt the agenda with a minor modification. ***Motion passed on a voice vote.***

**\*\* 18-59 MINUTES OF SEPTEMBER 26, 2018 BOARD MEETING** – Moved by Nathan Redalen, seconded by Jill Crafton, to approve the minutes of September 26, 2018 meeting, as circulated. ***Motion passed on a voice vote.***

## **PUBLIC ACCESS FORUM**

### **INTRODUCTION OF NEW STAFF**

- Melissa King, Board Conservationist
- Cari Pagel, Office and Administrative Specialist
- Bethany Espeseth, Accounting Technician

Chair Van Amburg and the board welcomed the new staff to BWSR!

## **CONFLICT OF INTEREST DECLARATION**

**Chair Van Amburg read the statement:**

*“A conflict of interest, whether actual, potential, or perceived, occurs when someone in a position of trust has competing professional or personal interests and these competing interests make it difficult to fulfill professional duties impartially. At this time, members are requested to declare conflicts of interest they may have regarding today’s business.”*

## **REPORTS**

**Chair & Administrative Advisory Committee** – Chair Gerald Van Amburg reported that the Environmental Quality Board (EQB) met last week. One of the items on the agenda was Emerald Ash Borer, which is affecting many communities in Minnesota. Taking care of the infected trees will likely be expensive for some communities. Additionally, trees provide economic benefits for communities and that will also be a loss. It is important to have diversity in tree planting to prevent something like this for happening in the future. Another issue discussed by the EQB was Environmental Review and proposed changes. Additional discussions are underway before this issue returns to the EQB.

The EQB also met with representatives of youth environmental groups. Youth speakers shared their experiences working on water, air, and climate protection. The EQB decided to reserve one annual board meeting for meetings with youth.

Commissioner Tom Landwehr acknowledged that there are strong opinions about environmental review. Chair Van Amburg mentioned the climate report that was released earlier this month from the Intergovernmental Panel on Climate Change (IPCC) and how this is connected to environmental review.

The Administrative Advisory Committee met prior to the board meeting. The agenda included riparian aid pass-through grants, which will be discussed later in today’s meeting. The committee also discussed the bylaws update, the conflict of interest procedures, and the per diem policy update (all of which were

also reviewed by the Audit and Oversight Committee). These agenda items are on the board's agenda for discussion today.

**Audit and Oversight Committee** – Chair Gerald Van Amburg reported that the committee met on October 23, 2018, to discuss the bylaws update, the conflict of interest procedures, and the per diem policy update. The Audit and Oversight Committee also received information about the LCCMR Direct and Necessary Cost Policy. This policy provides for small amount of appropriations from the Environment and Natural Resources Trust Fund to direct and necessary costs. The committee discussed that there is no specific amount that LCCMR defines as direct and necessary costs.

**Executive Director's Report** - John Jaschke has been working to schedule some listening sessions with various groups and organizations to hear how their input could shape what BWSR does and how it does it.

An update was provided on CREP. The board approved modifications to the rates and criteria in June. About 13,000 acres are enrolled. CREP is currently on hiatus due to Congress not passing a Farm Bill or extension of the current Farm Bill, which means no contracts can be signed at this time.

Regarding buffers, the next deadline for public ditches is November 1, 2018. Due to large rain events, there have been some challenges in getting buffers seeded. Some flexibility may be needed due to heavy precipitation and the lack of ability for people to sign up for CRP due to the lack of a Farm Bill. BWSR will send out some guidance to Soil and Water Conservation Districts about this.

The Minnesota Office of Soil Health has hired Anna Cates to direct this work.

BWSR and MPCA have been discussing One Watershed, One Plan and the data that is collected under this project. The Clean Water Council is putting together their budget recommendations, which are due by December 1, 2018.

Various state agencies, including BWSR, have been asked to look into 404 assumption. The Army Corps of Engineers has changed their policy about what waters may be assumable, but staff have not yet analyzed what percentage of waters would be assumable under the new policy.

BWSR Academy begins on October 29, 2018 at Breezy Point for local government staff.

John Jaschke also reviewed the Snapshots stories provided to the board.

Board members appreciated that John Jaschke had recently attended the Metro MAWD meeting. Board members discussed what information goes into GRAPS. Chris Elvrum discussed the maps, information, and strategies that might be included in this and offered to have a staff person from the Department of Health to do a presentation to the board about this. At this point, Health is prioritizing areas that are receiving grants.

**Dispute Resolution Committee** – John Jaschke provided an update to the board. The appeal included in the packet has been dismissed, so there are no pending appeals before the board.

**Grants Program & Policy Committee** - Steve Sunderland reported that the committee met jointly with the Water Management and Strategic Planning Committee. There is one item on the agenda that will be discussed at today's board meeting.

**RIM Reserve Committee** – Tom Loveall reported that the committee has not met since the previous board meeting.

**Water Management & Strategic Planning Committee** - Jack Ditmore reported that the committee met jointly with the Grants Program & Policy committee. There is one item on the agenda that will be discussed at today's board meeting. The committee is scheduled to meet on December 18 around 5:30pm.

**Wetland Conservation Committee** - Tom Schulz reported that the committee has not met since the previous board meeting.

**Buffers, Soils & Drainage Committee** - Kathryn Kelly reported that the committee met and that an agenda item will be discussed later in the meeting.

**Drainage Work Group (DWG)** - Tom Loveall and Al Kean reported that the work group met on October 11, 2018. There is a pending court case about the DNR's role in reestablishment of records that the DWG discussed. The DWG communications committee met on October 3 to discuss plain language issues. The DWG process was also discussed and a process document was adopted at the October 11 meeting. The next meeting of the DWG is November 8. The board discussed that the DWG has been meeting since 2006, largely monthly except during the legislative session. Sometimes a subgroup will meet instead of or in addition to the full work group. The board requested that the DWG fact sheet be shared with the board in December.

#### **COMMITTEE RECOMMENDATIONS**

##### **Grants Program and Policy Committee/Water Management and Strategic Planning Committee**

**Watershed-based Funding Program Development** – Melissa Lewis presented the agenda item. The purpose of the Watershed-based Funding Program Development Resolution is to initiate a stakeholder input process in the development of the Watershed-based Funding (WBF) program. The Watershed-based Funding Pilot Program was initiated by the Board (Resolution #17-96) and is being implemented within the Seven-county Metropolitan Area and with the five watersheds in the state that participated in the One Watershed, One Plan pilot. Future Clean Water Fund appropriations are anticipated to provide ongoing funding for this program. The future Program to implement these funds is best developed with input from key stakeholders including members of the Minnesota Association of Watershed Districts, the Minnesota Association of Soil and Water Conservation Districts, the Association of Minnesota Counties, League of Minnesota Cities, the Local Government Water Roundtable, agency partners, and others. This resolution would signal the Board's intent to gather and consider this input.

Note that one additional "Whereas" was added after the Committees met (WHEREAS, the Board's vision for comprehensive local watershed management plans is to align water planning on major watershed boundaries with existing state principles and strategies towards the goal of prioritized, targeted, and measurable implementation plans). This addition was based on the Committees' direction.

Board members appreciated the proposed process.



\*\*  
18-60 Moved by Steve Sunderland, seconded by Tom Schulz, to approve the Watershed-based Funding Program Development. ***Motion passed on a voice vote.***

**Central Region Committee**

**Benton County Comprehensive Local Water Management Plan** – Kevin Bigalke presented the plan. The current Benton County Local Comprehensive Water Management Plan ran from August 2008 to December 2018. The County Commissioners began updating the plan on November 15, 2016 and the BWSR affirmed the county’s priority concerns on October 25, 2017. The Benton County Water Planner submitted the plan update for review on September 29, 2018. The state review agencies who provided comments recommended approval of the plan as submitted. The Central Region Committee met on October 11, 2018 and provided a recommendation to the full Board for approval of the Benton County Comprehensive Local Water Management Plan as submitted.

Board members appreciated the presentations by the local staff at the committee meeting and the challenges addressed in the plan. The plan also addressed pharmaceutical drug disposal to attempt to prevent additional chemicals from entering into the environment. Board members also appreciated the role of Jason Weinerman, the Board Conservationist for this region. Commissioner Landwehr mentioned that DNR is working on ground water management to try to ensure that no one has water quantity issues, and appreciated that the county is considering this in their plan.

\*\*  
18-61 Moved by Joe Collins, seconded by Jill Crafton, to approve the Benton County Comprehensive Local Water Management Plan with a clerical change to the order. ***Motion passed on a voice vote.***

**Mille Lacs County Comprehensive Local Water Management Plan** – Kevin Bigalke presented the plan. The Mille Lacs County Local Water Management Plan was approved on January 24, 2007 and was amended to expire on December 31, 2018. The Board affirmed the county’s priority concerns on March 28, 2018. BWSR received the plan on September 4, 2018. The central region committee meet on October 11, 2018 to review the plan and recommended the full board approve the Mille Lacs County comprehensive Local Water Management as presented.

The board discussed the change in land use in the county and the survey about what clean water means to the average citizen. The board discussed the role of the EQB in providing comments for local water plans. The EQB has agency members but also provides the opportunity for citizens to participate in this role.

\*\*  
18-62 Moved by Kathryn Kelly, seconded by Joe Collins, to approve the Mille Lacs County Comprehensive Local Water Management Plan. ***Motion passed on a voice vote.***

Chair Van Amburg called a recess at 10:48am. The meeting was called back to order at 11:04am.

**Buffers, Soils and Drainage Committee**

**Outreach for Development of Options to Address Excessive Soil Loss and Rescinding Board Resolution #16-32** – Dave Weirens presented the agenda item. The current statute structure of the Excessive Soil Loss Law has led to diverse interpretation of its effects on implementation and how that may impact the prospect of a rule revision. As a result of this significant variation in interpretation the proposal is to formally halt the rulemaking process and further engage with stakeholders to build agreement on

potential options for implementation and if warranted to address the scope and scale of any potential rule revisions prior to any additional formal actions related to the rule under the current statutory structure.

The board discussed how urban areas can address soil loss. One option is that the PCA has storm water regulations that can cover some soil loss issues for urban areas in the state. Another options would be to work with the watershed districts to address this. The soil loss ordinance was mostly designed to address soil loss issues in agricultural areas due to wind, rain, etc. The board discussed what groups might participate in the stakeholder process. The board also discussed a timeline for this agenda item and how issues are currently being addressed around the state.

An amendment was proposed to have a yearly report to the Buffers, Soils, and Drainage committee that would review the status of outreach and next steps and that would be shared full board.

\*\*  
18-63 Moved by Kathryn Kelly, seconded by Tom Loveall, to approve the Outreach for Development of Options to Address Excessive Soil Loss and to Rescind Board Resolution #16-32, as amended. **Motion passed on a voice vote.**

Steve Sunderland and Kathryn Kelly left the meeting.

#### **Administrative Advisory Committee**

**Riparian Aid Pass-through Grants** – Dave Weirens presented the pass-through grant. Dodge, Carlton, and Wright counties elected jurisdiction prior to July 1, 2018. However the Riparian Aid distribution statute would not allow direct payment from the MN Department of Revenue to the Counties until Calendar year 2019 Aid is paid. As such, BWSR proposes to pass through the 2018 Riparian Aid Payments to these counties in the amounts identified on the 2018 Riparian Aid Distribution for the respective counties.

\*\*  
18-64 Moved by Tom Loveall, seconded by Tom Schulz, to approve the Riparian Aid Pass-through grants. **Motion passed on a voice vote.**

**Bylaws Update** – Angie Becker Kudelka presented the bylaws update. Proposed bylaws updates were reviewed by the Administrative Advisory committee and the full board as an information item on August 23, 2018. A few additional updates are proposed to incorporate suggestions from board members.

The Audit and Oversight Committee reviewed the updated bylaws at their meeting yesterday. The Administrative Advisory Committee reviewed the updated bylaws prior to the full board meeting this morning.

\*\*  
18-65 Moved by Rich Sve, seconded by Shannon Lotthammer, to approve the Bylaws Update. **Motion passed on a voice vote.**

**Conflict of Interest Procedure** – Angie Becker Kudelka presented the procedure. BWSR board members regularly review and vote on grants as part of the official business of the board. The Office of the Legislative Auditor (OLA) released a report in June 2018 that recommended that the Board of Water and Soil Resources actively manage potential conflicts of interest, as required by state law and policy. After further consultations with the OLA and the Department of Administration - Office of Grants Management (OGM), staff modified the conflict of interest form. One of the changes is to create a

procedure that provides information to board members about what constitutes a potential, perceived, or actual conflict of interest. The updated procedures describe how the BWSR Board will address conflicts of interests during the grant review process, and the related form provides the format to gather conflict of interest disclosures.

The Audit and Oversight Committee reviewed the conflict of interest procedure at their meeting yesterday. The Administrative Advisory Committee reviewed the conflict of interest procedure prior to the full board meeting this morning.

The board discussed that it would be helpful for staff to identify which grants are formula-based grants or grants that were independently scored and ranked. It would still be possible for a board member to have an actual conflict with these type of grants and properly disclose this. Board members commended staff for putting together this procedure. Staff can be available for questions from board members about how the procedure works but cannot tell a board member whether or how to vote. Board members discussed how they can amend their form before a vote.

\*\*  
18-66 Moved by Jack Ditmore, seconded by Tom Landwehr, to approve the Conflict of Interest procedure. ***Motion passed on a voice vote.***

**Per Diem Policy Update** – John Jaschke and Hannah Pallmeyer presented the per diem policy update. The current per diem policy was implemented in January 2008. A few changes to the policy have been proposed to ensure judicious use of state resources and provide clarity to board members about when claiming per diems.

Minnesota Statute 15.0575 Subd 3(a) states that “Members of the boards may be compensated at the rate of \$55 a day spent on board activities, when authorized by the board...” and Minnesota Statute 15.0575 Subd 3(c) adds, “Each board must adopt internal standards prescribing what constitutes a day spent on board activities for purposes of making daily payments under this subdivision.”

The Audit and Oversight Committee reviewed the per diem policy update at their meeting yesterday. The Administrative Advisory Committee reviewed the per diem policy update prior to the full board meeting this morning.

The board discussed various per diem scenarios. Commissioner Landwehr encouraged staff to advocate for a higher per diem rate for board members.

\*\*  
18-67 Moved by Tom Landwehr, seconded by Rich Sve, to approve the Per Diem Policy Update. ***Motion passed on a voice vote.***

Patty Acomb left the meeting.

## **NEW BUSINESS**

**2019 BWSR Board Meeting Schedule** – Hannah Pallmeyer presented the agenda item. Meeting dates are being proposed for board meetings in 2019. Most meetings are the fourth Wednesday of the month, unless otherwise noted. The proposed calendar has meetings held in the same months as the 2018 calendar.

\*\*  
18-68 Moved by Tom Loveall, seconded by Jill Crafton, to approve the 2019 BWSR Board meeting schedule.  
***Motion passed on a voice vote.***

#### **AGENCY REPORTS**

**Minnesota Department of Agriculture** – Jeff Berg discussed the Administrative Law Judge comments on the groundwater protection rule. Some new language will be proposed that the Administrative Law Judge and chief judge will review.

**Minnesota Department of Health** – Chris Elvrum mentioned that various agencies have formed an ad hoc work group to discuss how groundwater and drinking water are incorporated in a watershed framework. The agency has worked with the Clean Water Council to identify recommendations for how to spend Clean Water Fund dollars. These were adopted by the Clean Water Council and will be included in recommendations to legislature.

**Minnesota Department of Natural Resources** – Commissioner Landwehr announced that the Governor's Pheasant opener was recently held in Luverne. The Governor was unfortunately unable to attend due to back surgery. This event highlighted southwestern Minnesota for hunting and the economic opportunity of hunting. The Governor's deer hunting opener is in Hinckley next Thursday. Chronic Wasting Disease (CWD) has been found in 2 deer during archery season (none have ever been found in archery season). The DNR can take action on public lands but not on private lands. The board discussed the infectiousness of CWD. The federal government is the entity that would need to delist wolves before a hunt could be authorized.

**Minnesota Pollution Control Agency** – Shannon Lotthammer announced that the quarterly meeting of the Upper Mississippi River Basin Association is in Minnesota next week. There is a public part of that meeting. Agriculture Commissioner Dave Frederickson is the chair of the association. The We Are Water exhibit has been continued on a state level and is on display at the Institute on the Environment at the University of Minnesota until next month, and then it will travel to other locations in the state.

#### **ADVISORY COMMENTS**

**Minnesota Association of Soil & Water Conservation Districts** – LeAnn Buck reported that the MASWCD Annual meeting is December 9-11. The Resolutions Committee will meet at an upcoming meeting and resolutions will be forwarded to the appropriate agency, including BWSR. SWCDs are celebrating 80 years after Franklin D. Roosevelt sent a standard soil conservation district law to states for consideration.

**Minnesota Association of Watershed Districts** – Emily Javens reported that GRAPS will be discussed at the MAWD annual meeting, which will be held November 29-December 1. The BWSR bylaws and per diem policy will be shared with watersheds as examples. MAWD is also working on putting together resolutions for consideration by the membership.

**Minnesota Association of Townships** – Nathan Redalen reported that the MAT conference is November 15-17 in Duluth. Dave Weirens from BWSR will be invited.

#### **UPCOMING MEETINGS**

- Next BWSR Meeting is scheduled for 9:00am, December 19, 2018. Location information will be shared with the board and the public closer to the date of the meeting.

Chair Van Amburg adjourned the meeting at 12:37 PM.

DRAFT

**BOARD MEETING AGENDA ITEM**

**AGENDA ITEM TITLE:** Dispute Resolution Committee Report  
**Meeting Date:** December 19, 2018  
**Agenda Category:**  Committee Recommendation  New Business  Old Business  
**Item Type:**  Decision  Discussion  Information  
**Section/Region:** Central Office  
**Contact:** Travis Germundson  
**Prepared by:** Travis Germundson  
**Reviewed by:** \_\_\_\_\_ Committee(s)  
Travis Germundson/Gerald  
**Presented by:** VanAmburg

**Audio/Visual Equipment Needed for Agenda Item Presentation**

**Attachments:**  Resolution  Order  Map  Other Supporting Information

**Fiscal/Policy Impact**

- None  General Fund Budget
- Amended Policy Requested  Capital Budget
- New Policy Requested  Outdoor Heritage Fund Budget
- Other:  Clean Water Fund Budget

**ACTION REQUESTED**

None

**LINKS TO ADDITIONAL INFORMATION**

See attached Report

**SUMMARY** (*Consider: history, reason for consideration now, alternatives evaluated, basis for recommendation*)

The report provides a monthly update on the number of appeals filed with BWSR.

Dispute Resolution Report  
 December 5, 2018  
 By: Travis Germundson

There is presently **one** appeal pending. There has been one new appeal filed since the last Board Meeting (October 24, 2018).

Format note: New appeals that have been filed since last report to the Board.  
~~Appeals that have been decided since last report to the Board.~~

File 18-3 (10-31-18) This is an appeal of a restoration order in Hennepin County. The regards the filling and draining of over 11 acres of wetland. Applications for exemption and no-loss determinations were submitted concurrently with the appeal. The appeal has been placed in abeyance and the restoration stayed for the LGU to make a final decision on the applications.

~~File 18-2 (8-20-18) This is an appeal of a restoration order in Beltrami County. The appeal regards the filling of approximately 8,000 sq. ft. of wetland located within a shoreland overlay district. The appeal was denied and the restoration order affirmed.~~

### Summary Table

Type of Decision	Total for Calendar Year 2017	Total for Calendar Year 2018
Order in favor of appellant		
Order not in favor of appellant	3	2
Order Modified		
Order Remanded	1	
Order Place Appeal in Abeyance	2	
Negotiated Settlement		
Withdrawn/Dismissed	5	

**COMMITTEE RECOMMENDATIONS**

***Grants Program and Policy Committee***

1. Performance Review and Assistance Program (PRAP) Assistance Grants – Dale Krystosek – ***DECISION ITEM***
2. FY2019 Clean Water Fund Implementation Program Policy and the FY2019 Clean Water Fund Competitive Grants Program Authorization – Marcey Westrick – ***DECISION ITEM***



## BWSR Board Member Conflict of Interest in Grant Review – Disclosure Form

**Meeting:** Board Meeting

**Date:** December 19, 2018

I certify that I have read and understand the descriptions of conflict of interest provided, reviewed my participation for conflict of interest, and disclosed any perceived, potential, or actual conflicts. As a BWSR Board member, appointed according to Minnesota Statute Section 103B.101, I am responsible for evaluating my participation or abstention from the review process as indicated below. If I have indicated an actual conflict, I will abstain from the discussion and decision for that agenda item.

*Please complete the form below for all agenda items. If you indicate that you do not have a conflict for an agenda item, you do not need to fill out additional information regarding that agenda item.*

Agenda Item	No conflict (mark here and stop for this row)	Grant applicant(s) associated with conflict (required if conflict identified)	Conflict Type (required if conflict identified)	Will you participate? (required if conflict identified)	Description of conflict (optional)
Clean Water Fund Competitive Grants (independently scored and ranked)			Perceived Potential Actual	Yes / No	

Printed name: \_\_\_\_\_

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

# Board Member Conflict of Interest in Grant Review; Disclosure Procedures

## Purpose

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This document defines the procedure by which the BWSR Board will address conflicts of interests during the grant review process.

## Definitions

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**Conflict of Interest:** A conflict of interest, whether actual, potential, or perceived occurs “when a person has actual or apparent duty or loyalty to more than one organization and the competing duties or loyalties may result in actions which are adverse to one or both parties. A conflict of interest exists even if no unethical, improper or illegal act results from it.” (Office of Grants Management, Policy 08-01).

BWSR Board members are appointed to the BWSR Board according to Minnesota Statute Section 103B.101 for the express purpose of representing their respective units of government as a duly elected or appointed representative of those organizations across the state and/or citizens at large. Fulfilling this duty does not constitute a conflict of interest.

**Actual Conflict of Interest:** An actual conflict of interest occurs when a decision or action would compromise a duty to a party without taking immediate appropriate action to eliminate the conflict. For example:

- A member uses his or her Board position to obtain personal advantage to benefit from the other party’s time, services, or influence.
- A member receives a direct benefit (financial or anything else of value) from the other party receiving grant funding. This does not include per diems received or expenses reimbursed as a duly elected or appointed board member of an organization and/or local government.
- A member was personally involved in preparing and/or submitting the grant application or letter of support.

**Potential Conflict of Interest:** A potential conflict of interest may exist when a decision or action could create an inappropriate influence or could result in future personal gain. For example:

- A member is an employee or family member of the other party.
- A member has potential to receive money (or anything else of value) as a future result of the decision.

**Perceived Conflict of Interest:** A perceived conflict of interest is any situation in which a reasonable third party would conclude that conflicting duties or loyalties exist.

Decisions or actions on grants that are formula-based or are slates of multiple grants that are independently scored or ranked are not considered a potential or perceived conflict of interest.

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**General Exclusions:** Generally, a conflict of interest does not exist on a grant application when a board member or his/her family:

- Has collaborators in the organization, but they are not a part of the application.
- Lives in the community/county/district where the proposed project would take place, and there is public benefit for all that live there.

## Procedure

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### Responsibilities:

It is the obligation of Board Members as grant reviewers to be familiar with the *Office of Grants Management (OGM) Policy 08-01: Conflict of Interest Policy for State Grant-Making* and to disclose any actual, potential or perceived conflicts of interest that may exist during a grant review process where grant applications are evaluated and/or grants are awarded. Board members are also obligated to be familiar with *Ethics in Government; Gubernatorial Appointees* found in Chapter VII, Section E of the Attorney General Board Member Handbook of Legal Issues.

BWSR Board adoption of the Board Member Conflict of Interest in Grant Review; Disclosure Procedures constitutes the required discussion and resolution components of OGM Policy 08-01.

### Process:

1. Chair's Statement. Before any review of grant distributions/grant applications, the chair of the meeting will make this statement about conflict of interest:

*"A conflict of interest, whether actual, potential, or perceived, occurs when someone in a position of trust has competing professional or personal interests, and these competing interests make it difficult to fulfill professional duties impartially. At this time, members are requested to declare conflicts of interest they may have regarding today's business. Any member who declares an actual conflict of interest must not vote on that agenda item. All actual, potential, and perceived conflicts of interest will be announced to the board by staff before any vote."*

2. Each BWSR Board and Committee Member must review and evaluate if he or she has a conflict that will impact or compromise the grant review process. A member must disclose conflicts but are not required to describe the reason for disclosed conflict. All disclosed conflicts will be noted in the meeting minutes and conflict of interest disclosure forms are considered public data under Minn. Stat. §13.599.

When an actual, potential or perceived conflict has been evaluated and disclosed by any individual member, all other grant reviewers at the meeting must be made aware. At Board or Committee meetings, the chair or lead staff will review members' forms before a decision and announce: 1) members who disclose a conflict, 2) the type of conflict, 3) and the member's evaluation of whether to vote or abstain. If an actual conflict of interest is disclosed, the individual board or committee member must abstain from discussion or decision on the grant application(s) presented.

## BWSR Board Member Conflict of Interest in Grant Review – Sample Disclosure Form

**Meeting:** BWSR Board Meeting

**Date:** MONTH DATE, YEAR

I certify that I have read and understand the descriptions of conflict of interest provided, reviewed my participation for conflict of interest, and disclosed any perceived, potential, or actual conflicts. As a BWSR Board member, appointed according to Minnesota Statute Section 103B.101, I am responsible for evaluating my participation or abstention from the review process as indicated below. If I have indicated an actual conflict, I will abstain from the discussion and decision for that agenda item.

*Please complete the form below for all agenda items. If you indicate that you do not have a conflict for an agenda item, you do not need to fill out additional information regarding that agenda item.*

Agenda Item	No conflict (mark here and stop for this row)	Grant applicant(s) associated with conflict (required if conflict identified)	Conflict Type (required if conflict identified)	Will you participate? (required if conflict identified)	Description of conflict (optional)
Natural Resource Block Grants (NRBG) to various counties (formula)	X		Perceived Potential Actual	Yes / No	
SWCD Capacity Grants (formula)	X		Perceived Potential Actual	Yes / No	
CWF Competitive Grants (independently scored and ranked)	X		Perceived Potential Actual	Yes / No	
1W1P Implementation Grant(s)		<i>Alphabet Watershed District</i> [fiscal agent]	Perceived Potential <span style="border: 1px solid black; border-radius: 50%; padding: 2px;">Actual</span>	Yes / <span style="border: 1px solid black; border-radius: 50%; padding: 2px;">No</span>	<i>I have been informed that I own property that the county will need to acquire to complete the highest priority project in the plan</i>
PRAP Grant to Zeta SWCD		<i>Zeta SWCD</i>	Perceived <span style="border: 1px solid black; border-radius: 50%; padding: 2px;">Potential</span> Actual	<span style="border: 1px solid black; border-radius: 50%; padding: 2px;">Yes</span> / No	

Printed name: *Sally Board Member*

Signature: *Sally Board Member*

Date: MONTH DATE, YEAR

## BOARD MEETING AGENDA ITEM

**AGENDA ITEM TITLE:** Performance Review and Assistance Program (PRAP) Assistance Grants

**Meeting Date:** December 19, 2018

**Agenda Category:**  Committee Recommendation     New Business     Old Business

**Item Type:**  Decision     Discussion     Information

**Section/Region:** Organizational Effectiveness

**Contact:** Dale Krystosek

**Prepared by:** Dale Krystosek/Jenny Gieseke

**Reviewed by:** Grants Program and Policy Committee    Committee(s)

**Presented by:** Dale Krystosek

**Time requested:** 10 minutes

**Audio/Visual Equipment Needed for Agenda Item Presentation**

**Attachments:**     Resolution     Order     Map     Other Supporting Information

**Fiscal/Policy Impact**

- |   |   |
|---|---|
| <input checked="" type="checkbox"/> None          | <input type="checkbox"/> General Fund Budget          |
| <input type="checkbox"/> Amended Policy Requested | <input type="checkbox"/> Capital Budget               |
| <input type="checkbox"/> New Policy Requested     | <input type="checkbox"/> Outdoor Heritage Fund Budget |
| <input type="checkbox"/> Other:                   | <input type="checkbox"/> Clean Water Fund Budget      |

**ACTION REQUESTED**  
Approval

**LINKS TO ADDITIONAL INFORMATION**

N/A

**SUMMARY** *(Consider: history, reason for consideration now, alternatives evaluated, basis for recommendation)*

The purpose of this agenda items is to revise the authorization of the Performance Review and Assistance Program (PRAP) approved in June 2018 through order #18-41. This program provides for the Executive Director to expend up to \$10,000 per grant or contract for specialized assistance to local government water management entities to address operational or service delivery needs identified through a PRAP assessment or specialized assistance request. Order #18-41 limited grant or contracts to only returned cost share funds,

which has severely limited the program's ability to achieve its purpose (amount of returned cost share funds has decreased significantly since the PRAP services was originally established).



## BOARD ORDER

### Performance Review and Assistance Program (PRAP) Assistance Service

#### PURPOSE

Authorize PRAP Assistance services and delegate approval of payment to the Executive Director.

#### FINDINGS OF FACT / RECITALS

1. The Board of Water and Soil Resources (Board) regularly monitors and evaluates the performance and activities of local water management entities and provides assistance in improving performance under the authorities and requirements of Minnesota Statutes §103B.102.
2. In June 2018, the Board through Resolution #18-41 “reconfirmed the delegation of authority to the Executive Director to approve individual PRAP Assistance grants up to \$10,000 requires that program awards are reported to the Board at least once per year.”
3. The Board continues to receive requests for PRAP assistance services to address operational or service delivery needs identified through a PRAP assessment or specialized assistance request.
4. The Board has authorities under Minnesota Statutes §103B.3369 and 103B.101 to award grants and contracts to accomplish water and related land resources management.
5. The Grants Program and Policy Committee, at their November 26, 2018 meeting, reviewed this request and recommended the Board approve this order.

#### ORDER

The Board hereby:

1. Approves the allocation of designated or available funds, consistent with the appropriation of the designated or available funds, to eligible local government water management entities for fulfilling the provisions of Minnesota Statutes §103B.102.
2. Reconfirms the delegation of authority to the Executive Director to approve PRAP Assistance grants or contracts up to \$10,000 per contract with a maximum of \$50,000 per year and requires that program awards are reported to the Board at least once per year.
3. Establishes that all PRAP Assistance awards be cost shared by the grantee at a percentage determined by the Executive Director.
4. Authorizes staff to enter into grant agreements or contracts for these purposes.
5. Establishes that this order replaces previous Board resolution #18-41.

Dated at St. Paul, Minnesota, this December 19, 2018.

**MINNESOTA BOARD OF WATER AND SOIL RESOURCES**

\_\_\_\_\_

Date: \_\_\_\_\_

Gerald Van Amburg, Chair  
Board of Water and Soil Resources





## BOARD ORDER

### Performance Review and Assistance Program (PRAP) Assistance Grants

#### PURPOSE

Authorize PRAP Assistance Grants and delegate approval of these grants to the Executive Director.

#### FINDINGS OF FACT / RECITALS

1. The Board of Water and Soil Resources (Board) regularly monitors and evaluates the performance and activities of local water management entities and provides assistance in improving performance under the authorities and requirements of Minnesota Statutes §103B.102.
2. In 2015, the Board through resolution #15-37, authorized "the Executive Director to expend up to \$10,000 per grant or contract for specialized assistance to local government water management entities to address operational or service delivery needs identified through a PRAP assessment or specialized assistance request."
3. The Board continues to receive requests for PRAP Assistance Grants to address operational or service delivery needs identified through a PRAP assessment or specialized assistance request.
4. The Board has authorities under Minnesota Statutes §103B.3369 to award grants to local units of government with jurisdiction in water and related land resources management.
5. The Laws of Minnesota 2017, Chapter 93, Sect 4(n), appropriated funds eligible for this purpose.
6. The Audit and Oversight Committee, at their June 26, 2018 meeting, reviewed this request and recommended the Board approve this order.

#### ORDER

The Board hereby:

1. Approves the allocation of returned state cost-share funds to eligible local government water management entities.
2. Reconfirms the delegation of authority to the Executive Director to approve individual PRAP Assistance grants up to \$10,000 per contract and requires that program awards are reported to the Board at least once per year.
3. Establishes that all PRAP Assistance Grants awarded be cost shared by the grantee at a percentage determined by the Executive Director.
4. Authorizes staff to enter into grant agreements for these purposes.
5. Establishes that this order replaces previous Board resolution #15-37.

Dated at St. Paul, Minnesota, this June 27, 2018.

**MINNESOTA BOARD OF WATER AND SOIL RESOURCES**

Gerald Van Amburg

Gerald Van Amburg, Chair  
Board of Water and Soil Resources

Date: 6-27-2018

## BOARD MEETING AGENDA ITEM

**AGENDA ITEM TITLE:** FY 2019 Clean Water Fund Implementation Program Policy and the FY2019 Clean Water Fund Competitive Grants Program authorization

**Meeting Date:** December 19, 2018

**Agenda Category:**  Committee Recommendation     New Business     Old Business

**Item Type:**  Decision     Discussion     Information

**Section/Region:** Central Region

**Contact:** Marcey Westrick

**Prepared by:** Marcey Westrick

**Reviewed by:** Grants Program & Policy    Committee(s)

**Presented by:** Marcey Westrick

**Time requested:** 20 mins

**Audio/Visual Equipment Needed for Agenda Item Presentation**

**Attachments:**     Resolution     Order     Map     Other Supporting Information

**Fiscal/Policy Impact**

- |   |   |
|---|---|
| <input type="checkbox"/> None                     | <input type="checkbox"/> General Fund Budget                |
| <input type="checkbox"/> Amended Policy Requested | <input type="checkbox"/> Capital Budget                     |
| <input type="checkbox"/> New Policy Requested     | <input type="checkbox"/> Outdoor Heritage Fund Budget       |
| <input type="checkbox"/> Other:                   | <input checked="" type="checkbox"/> Clean Water Fund Budget |

**ACTION REQUESTED**

Approval of the FY 2019 Clean Water Fund Competitive Program Awards

**LINKS TO ADDITIONAL INFORMATION**

**SUMMARY** *(Consider: history, reason for consideration now, alternatives evaluated, basis for recommendation)*

The purpose of this agenda items is to allocate FY19 Clean Water Competitive grants. On June 19, 2018 the Board adopted Board Order #18-33 which authorized staff to conduct a request for proposals from eligible local governments for Clean Water Fund projects in three program categories: Accelerated Implementation, Projects and Practices, and Multipurpose Drainage. Applications were accepted from July 9 through August 31, 2018. Local governments submitted 136 applications requesting \$29,832,685 in Clean Water Funds. BWSR Clean Water staff conducted multiple processes to review and score applications and involved staff of

other agencies to develop the proposed recommendations for grant awards per the attached spreadsheets. The BWSR Senior Management Team reviewed the recommendations on November 13<sup>th</sup> and made the recommendation to the Grants Program and Policy Committee. The BWSR Grants Program and Policy Committee reviewed the recommendations on November 26<sup>th</sup>, and made a recommendation to the full Board. A draft Order is attached based on the recommendation of the Grants Program and Policy Committee.



## BOARD ORDER

### Fiscal Year 2019 Clean Water Fund Competitive Grants

#### PURPOSE

Authorize the fiscal year 2019 Clean Water Fund Competitive Grants to successful Accelerated Implementation, Projects and Practices, and Multipurpose Drainage Management applicants.

#### FINDINGS OF FACT / RECITALS

1. The Laws of Minnesota 2017, Regular Session, H. F. 707 91st Engrossment, Article 2, Sec. 7 appropriated funds to the Board for the fiscal year 2019 Clean Water Fund Competitive Grants Program.
2. The Laws of Minnesota 2017, Chapter 91, Article 2, Section 8, Item (c) appropriated funds to the Minnesota Department of Health (MDH) for sealing private wells.
3. The proposed allocations in this order were developed consistent with these appropriations.
4. On June 27, 2018, the Board authorized staff to distribute and promote a request for proposals (RFP) for Clean Water Fund Competitive Grants, including Accelerated Implementation, Projects and Practices, and Multipurpose Drainage Management (Board order #18-33).
5. A formal request for proposal was noticed on July 9, 2018 with a submittal deadline of August 31, 2018.
6. Projects were scored and ranked by an interagency committee on October 23 and 24, 2018.
7. The Grants Program and Policy Committee, at their November 26, 2018 Meeting, reviewed the proposed allocations and recommended approval to the Board.

#### ORDER

The Board hereby:

1. Approves the allocation of funds to each eligible applicant in the amounts listed in the attached allocation tables, totaling \$1,382,915 for Accelerated Implementation, \$11,685,070 for Projects and Practices, \$610,000 for Multipurpose Drainage Management, and \$83,700 for MDH.
2. Authorizes staff to approve work plans and enter into grant agreements for these funds.
3. Establishes that the grants awarded pursuant to this order will conform to FY19 Clean Water Fund Implementation Program Policy.
4. Authorizes staff to reallocate funds included in (1) that become available if funded projects are withdrawn, do not receive work plan approval by March 12, 2019 unless extended for cause, or are modified to reduce the state funding needed to accomplish the project to fully or partially fund additional applications, in rank order, unless superseded by a future Board action.
5. Authorizes staff to reallocate funds returned from previous years' Clean Water Competitive grant programs to fully or partially fund additional applications, in rank order, until April 9, 2018 unless superseded by a future Board action.

Dated at St. Paul, Minnesota, this December 19, 2018.

**MINNESOTA BOARD OF WATER AND SOIL RESOURCES**

\_\_\_\_\_

Gerald Van Amburg, Chair  
Board of Water and Soil Resources

Date: \_\_\_\_\_

**FY2019 Clean Water Fund Accelerated Implementation Grant Allocation Table**

<b>Grant Number</b>	<b>Grant Title</b>	<b>Grantee</b>	<b>Total</b>
C19-2553	2019 - Cook County Culvert Inventory	Cook Soil and Water Conservation District	\$133,000
C19-2703	City of Wahkon Stormwater Management Plan	Mille Lacs Soil and Water Conservation District	\$53,333
C19-2818	TSA8 Conservation Targeted to Parcel = Move the Protection Needle	TSA Area 8 - North Central MN Soil and Water Conservation Districts	\$150,000
C19-2861	Long Lake Creek Subwatershed Assessment	Minnehaha Creek Watershed District	\$112,000
C19-2896	Six Lakes Subwatershed Analysis	Carnelian-Marine-St. Croix Watershed District	\$127,832
C19-2869	Nest and Diamond Lake Subwatershed Assessment and Internal Load Control	Middle Fork Crow River Watershed District	\$65,000
C19-2806	Metro Sub-Watershed Analysis (SWA) 2019	Area 4 - Metropolitan Soil and Water Conservation Districts Technical Service Area	\$200,000
C19-2903	Lake Riley and Rice Marsh Lake Subwatershed Assessment	Riley-Purgatory-Bluff Creek Watershed District	\$55,000
C19-2753	BMP Feasibility Study of Boot Creek Headwaters	Waseca County	\$57,000
C19-2904	Mitchell Lake Subwatershed Assessment	Riley-Purgatory-Bluff Creek Watershed District	\$70,000
C19-2757	WCTSA Nutrient Management Planning Shared Services	Area 2 - West Central Technical Service Area	\$285,000
C19-2044	Septic Risk Assessment Model and Program Enhancement	City of Dayton	\$74,750

### FY2019 Clean Water Fund Project and Practices Allocation Table

Grant Number	Grant Title	Grantee	Total
C19-2516	Middle Sand Creek Corridor Restoration	Coon Creek Watershed District	\$ 382,772
C19-2653	Whiskey Creek Gully Stabilization Project	Wilkin Soil and Water Conservation District	\$ 320,000
C19-1980	Bald Eagle Lake Iron-Enhanced Sand Filter	Rice Creek Watershed District	\$ 392,000
C19-2908	2019 Well Sealing Cost-Share	Ramsey Conservation District	\$100,000
C19-2910	Lake St. Croix Small Communities Urban Phosphorus Reductions	Middle St. Croix River Watershed Management Organization	\$ 200,000
C19-1780	Lebanon Hills Regional Park Chain of Lakes Improvement Project	Dakota County	\$ 267,000
C19-2888	Woodcrest Pond biochar- and iron-enhanced sand filter	Coon Creek Watershed District	\$ 376,093
C19-2811	Drinking Water Protection in SE MN	SE Minnesota Water Resources Board	\$ 269,356
C19-1484	Lower Rice Creek Stabilization Project	Rice Creek Watershed District	\$ 568,104
C19-2734	Bone Lake SWA Implementation	Comfort Lake-Forest Lake Watershed District	\$ 144,000
C19-2556	Johnny Cake Ridge Road Phosphorus Reduction BMP Retrofit	City of Apple Valley	\$ 300,000
C19-1660	Fairmont Drinking Water and Watershed Restoration Phase 1	Martin Soil and Water Conservation District	\$ 220,000
C19-2882	Valley Creek Ravine 2E Stabilization Project	Valley Branch Watershed District	\$ 405,000
C19-2633	Judicial Ditch No. 2 Outlet Gully Stabilization Project	Otter Tail County	\$ 298,000
C19-2518	Targeted Stormwater Retrofit Project for Highly Sensitive Island-Loon Lake	Crow Wing Soil and Water Conservation District	\$ 475,000
C19-2638	2019 Parmly Gully Stabilization Project on Green Lake	Chisago Soil and Water Conservation District	\$ 100,000
C19-2637	2019 St. Croix River Escarpment Gully Stabilization	Chisago Soil and Water Conservation District	\$ 90,000
C19-2907	Water Harvest and Reuse at Oak Glen Golf Course	Browns Creek Watershed District	\$ 360,100



C19-2901	Rush Creek SWA Implementation	Hennepin County	\$ 142,110
C19-1820	Lake George Water Quality Improvement Project	Stearns Soil and Water Conservation District	\$ 697,000
C19-2593	2019 NE St. Cloud Sediment Reduction Project	Benton Soil and Water Conservation District	\$ 456,500
C19-2635	Keller Lake Alum Treatment	Black Dog Watershed Management Organization	\$ 230,000
C19-2042	Protecting Del Clark Lake and Restoring Canby Creek	Lac qui Parle-Yellow Bank Watershed District	\$ 300,000
C19-2871	Sherburne County Targeted Nitrate Reduction BMP Implementation	Sherburne Soil and Water Conservation District	\$ 105,806
C19-2822	Top - Down: Buffalo Watershed Accelerated Improvement Project	Becker Soil and Water Conservation District	\$ 796,061
C19-1641	Stormwater Implementation Importance for Progressive "City on the Pond"	Middle Fork Crow River Watershed District	\$ 160,250
C19-1701	Lake City Stormwater Improvement Project	Goodhue Soil and Water Conservation District	\$ 181,900
C19-1441	Northern Columbia Golf Course Regional BMPs	Mississippi Watershed Management Organization	\$ 800,000
C19-2080	Cool it! Continued Efforts to Solve the Temperature Impairment	St Louis, South Soil and Water Conservation District	\$ 426,641
C19-2759	Upper Chippewa River Watershed Groundwater Protection	Douglas Soil and Water Conservation District	\$ 356,960
C19-1500	Thief River Falls Streambank Stabilization Projects	Pennington Soil and Water Conservation District	\$ 542,642
C19-2803	Lauderdale Stormwater Improvements	Capitol Region Watershed District	\$ 150,000
C19-2853	Targeted Implementation in the Pomme de Terre Watershed	Pomme de Terre River Association JPB	\$ 541,776
C19-1742	2019 - Little Rock Lake Watershed Phosphorous Reduction Initiative	Benton Soil and Water Conservation District	\$ 175,000
C19-2674	2019 Chisago Lakes Chain of Lakes Watershed BMP Implementation	Chisago Soil and Water Conservation District	\$ 250,000
C19-1781	2019 Mallery Jerseys Comprehensive Nutrient Management Plan Implementation	Chisago Soil and Water Conservation District	\$ 105,000

**FY2019 Clean Water Fund Multipurpose Drainage Management Grant Allocation Table**

<b>Grant Number</b>	<b>Grant Title</b>	<b>Grantee</b>	<b>Total</b>
C19-1880	McLeod County Drainage Ditch 11 Conservation Implementation	McLeod Soil and Water Conservation District	\$111,000
C19-2122	South Heron Lake TMDL Implementation: Phase 2	Heron Lake Watershed District	\$61,500
C19-1900	2019 – CWF MDM County Ditch 68	Freeborn Soil and Water Conservation District	\$370,312
C19-2515	Wilkin County Ditch 9 & 10 Multipurpose Drainage Management	Wilkin Soil and Water Conservation District	\$67,188

ID #	Grant Title	LGU	County	Abstract	State Request	Recommended Funding (\$1,382,915)	Score
C19-2553	2019 - Cook County Culvert Inventory	Cook SWCD	Cook	This project will create a culvert inventory for Cook County, Minnesota. The inventory will include the minimum data required in the Minnesota Department of Natural Resources "Stream Crossing Basic Assessment Form" to be consistent with inventory work being done statewide and in other CWF grant projects such as the Lake County culvert inventory. While the watersheds in northeast Minnesota contain some of the least-polluted waters in the state, development and climate change pose an increased threat to aquatic resources if culverts are not installed, retrofitted, or replaced properly.	\$133,000	\$133,000	88.9
C19-2703	City of Wahkon Stormwater Management Plan	Mille Lacs SWCD	Mille Lacs	This project proposes to reduce pollutant loading to Mille Lacs Lake by working with the City of Wahkon to develop a comprehensive stormwater management plan for the City of Wahkon, located on the south side of the lake. Wahkon has no stormwater facilities and pollutant laden runoff flows into Mille Lacs Lake, untreated. This project will delineate and model stormwater flow in the City of Wahkon watershed, prioritize and target BMPs in the city watershed and conduct outreach to keep all stakeholders informed and build buy-in for future project implementation	\$53,333	\$53,333	88.6
C19-2818	TSA8 Conservation Targeted to Parcel = Move the Protection Needle	Area 8 - North Central MN SWCDs JPB	Multiple Counties	This project will build off the success of the additional geographic information system (GIS) and water planning expertise the TSA8 added in 2016 to provide consistent mapping, water planning assistance and training to partners. This project will help soil and water conservation districts prepare for the 1W1P process before the planning starts. A unified protection methodology is essential for the 1W1P process to be successful. This project will include: unified GIS mapping and protection model for all nine counties respectively. The scores, maps, and parcel lists will accelerate on-the-ground projects and practices.	\$150,000	\$150,000	88.2
C19-2861	Long Lake Creek Subwatershed Assessment	Minnehaha Creek WD	Hennepin	The goal of this project is to identify watershed and in-lake best management practices (BMPs) to improve water quality for impaired water bodies within the Upper Long Lake Creek subwatershed. The existing P8 watershed model and BATHTUB lake response models will be updated and refined to identify BMPs, develop project costs, and estimate nutrient load reductions. A feasibility report will be developed that outlines prioritized projects, estimated load reductions, and project costs to accelerate implementation.	\$112,000	\$112,000	88.0
C19-2896	Six Lakes Subwatershed Analysis	Carnelian-Marine-St. Croix WD	Washington	The Six Lakes subwatershed Analysis will utilize previously completed watershed modeling to conduct subwatershed analyses for six high priority lakes that are closest to meeting state water quality standards or require protection due to high public use and declining water quality trends. This project will develop a long list of cost benefit ranked water quality best management practices based on concept design.	\$127,832	\$127,832	86.4
C19-2869	Nest and Diamond Lake Subwatershed Assessment and Internal Load Control	Middle Fork Crow River WD	Kandiyohi	The Nest and Diamond Lake Subwatershed Assessment and Internal Load Control project proposes to identify detailed approaches to address internal loading in both Nest and Diamond lakes and to identify field-level BMPs upstream of Nest Lake. These activities will be conducted as a part of efforts to get both lakes to meet water quality standards.	\$65,000	\$65,000	86.3
C19-2806	Metro Sub-Watershed Analysis (SWA) 2019	Area 4 - Metropolitan SWCDs Technical Service Area	Multiple Counties	It is critical to train new staff, create modeling protocols for new BMPs, refine and calibrate models, and test ever-advancing modeling applications. The Metro Conservation District's (MCD) Sub-Watershed Analysis (SWA) program provides these capacity-building services and unites efforts across 11 SWCDs. MCD proposes to analyze an additional 15 subwatersheds. The analyses will identify the location and estimated cost/benefit relationship for BMPs, evolve with new technology, and share discoveries metro-wide.	\$200,000	\$200,000	85.4
C19-2903	Lake Riley and Rice Marsh Lake Subwatershed Assessment	Riley-Purgatory-Bluff Creek WD	Carver; Hennepin	The Riley-Purgatory-Bluff-Creek Watershed District and the City of Eden Prairie (City) are working together to implement projects to remove Lake Riley and Rice Marsh Lake from the impaired waters list. One key emerging issue is to evaluate potential internal phosphorous loading within stormwater ponds in the lakes' subwatersheds. This project will also use updated pond data from the City's intensive pond inspection program to identify other phosphorus reduction opportunities. The proposed assessment will quantify formerly undocumented P loading to Rice Marsh Lake and Lake Riley.	\$55,000	\$55,000	85.2
C19-2753	BMP Feasibility Study of Boot Creek Headwaters	Waseca County	Waseca	The purpose of this project is to complete a feasibility study to determine the best sites for projects in the Boot Creek headwaters, in the Le Sueur River watershed, to reduce erosion and pollutant loading. The study will identify critical source areas and provide additional watershed information to assist in prioritizing locations to address local resource management and water quality goals.	\$57,000	\$57,000	84.7
C19-2904	Mitchell Lake Subwatershed Assessment	Riley-Purgatory-Bluff Creek WD	Hennepin	The Riley-Purgatory-Bluff-Creek Watershed District and the City of Eden Prairie (City) are working together to implement projects to remove Mitchell Lake from the impaired waters list. One key emerging issue is to evaluate potential internal phosphorous loading within stormwater ponds in the lakes' subwatersheds. This project will also use updated pond data from the City's intensive pond inspection program to identify other phosphorus reduction opportunities. The proposed assessment will quantify formerly undocumented P loading to Mitchell Lake.	\$70,000	\$70,000	84.5

ID #	Grant Title	LGU	County	Abstract	State Request	Recommended Funding (\$1,382,915)	Score
C19-2757	WCTSA Nutrient Management Planning Shared Services	Area 2 - West Central Technical Service Area	Multiple Counties	This proposal will fund technical assistance for nutrient management planning to accelerate water quality improvements with the 12-county West Central Technical Service Area (WCTSA). A needs assessment identified an estimated 156 certified nutrient management plans that will be needed over a 3 year period. Of the 71 SWCD employees in the WCTSA, only 1 SWCD staff member is dedicated to nutrient management planning. To accelerate technical assistances, this grant will fund a Regional Planning Specialist (RPS) to address local resource concerns.	\$285,000	\$285,000	83.7
C19-2044	Septic Risk Assessment Model and Program Enhancement	Dayton, City of	Hennepin	The Septic Risk Assessment Model and Program Enhancement (SRAMPE) will result in a systematically review and catalog of all septic related materials by licensed SSTS professionals pertaining to the 890 properties in which we believe are served by SSTS. The enhanced program will improve efficiency, customer service, and administrative procedure. Above all, it will lead to upgrading of failing SSTS or conversion to City sewer	\$74,750	\$74,750	83.4
C19-1422	Volney and Gorman Lakes and Village of Cordova Septic Inventory	Le Sueur County	LeSueur	Le Sueur County has successfully completed septic inventory on several lakes; therefore, the process is already well in place to conduct another septic inventory. The Volney, Gorman, and Village of Cordova project is located in the Cannon River Watershed. Le Sueur County will complete up to 100 shoreland septic compliance inspections, create an ArcMap GIS layer, create feasibility assessment reports, and provide education and outreach to the public through informational meetings and website development.	\$160,000		82.3
C19-2573	Acceleration of Regional Stormwater Practice Retrofits	Stearns SWCD	Stearns	This accelerated implementation project will result in a priority list of stormwater treatment enhancement projects in Waite Park and St. Joseph. It will result in on-the-ground projects, with the first projects being implemented as soon as 2020. The assessment will measure pollutant loads to each of the 38 existing treatment facilities, identify and measure improvements from possible retrofits, provide estimated costs for each project in addition to a cost-benefit priority list.	\$53,200		82.2
C19-2870	Targeting restoration in the Rum River Watershed	Isanti SWCD	Multiple Counties	This grant will identify site and type specific restoration projects for Rum River WRAPS identified issues, including near impairment for P, suspended solids, riparian ecology and E. coli. We will identify eligible sites and rank them based on their benefit, cost, feasibility and capacity to provide multiple benefits. We will also score projects based on other criteria including landowner readiness, possibility of combining a project with an easement and priority of the subwatershed. The result of this project will consist of maps that identify project locations and a table ranking each project by type and cost effectiveness.	\$66,374		81.5
C19-2881	Comfort and Little Comfort Lake BMP Scenario Modeling	Comfort Lake-Forest Lake WD	Chisago; Washington	This project will update the District's original H&H model with PC SWMM, which simulates surface and subsurface flow pathways and pollutant sources and has BMP targeting tool capabilities, in the Comfort Lake and Little Comfort Lake Management Districts. The completed SWMM model and identified BMPs will greatly accelerate immediate implementation of projects that are best suited at addressing watershed flows and pollutant loads to Comfort and Little Comfort Lakes, and will be used to guide the District's development of cost-benefit criteria for ranking projects for implementation as future opportunities arise.	\$124,000		81.5
C19-2520	Pennington County Culvert Inventory	Pennington SWCD	Pennington	The Pennington SWCD is pursuing a culvert inventory for the Watershed of Pennington County Ditch 96 to accurately determine water flow for created watersheds in GIS assisting in culvert sizing and conservation practice designs such as Side Water Inlets. The inventory will allow us to correctly size culverts to reduce flow velocities which will reduce bank erosion. Information gathered for the culvert inventory will be used to determine the correct sizing of the culverts and increase fish passage through the culverts.	\$30,000		81.5
C19-1743	Internal Load Assessment for 7 Priority Impaired Lakes in Wright County	Wright SWCD	Wright	Studies indicate that, of the 33 impaired lakes in Wright County, 29 will need load reductions from both external and internal sources. While these studies quantified watershed sources of nutrients, they failed to collect the information and data needed to accurately assess internal sources. The purpose of this study is to evaluate internal sources and develop an internal load management plan for 7 priority impaired lakes in Wright County. The outcome of these plans will be identification of the most appropriate and cost-effective strategies to reduce internal load so that proactive implementation can begin immediately.	\$95,200		81.4
C19-2061	Watowwan Watershed Resource Specialist - Greater Blue Earth River Basin Alliance	Greater Blue Earth River Basin Alliance	Multiple Counties	This funding will continue the Watowwan Watershed Resource Specialist Position, a crucial connector between landowners and natural resource professionals in the Watowwan Watershed. The Greater Blue Earth River Basin Alliance expect the position and landowners to initiate cover crops, alternative intakes, ravine/gully stabilization projects, conservation drainage/side inlet projects, grassed waterways, water and sediment control basins and assist with Minnesota Agricultural Water Quality Certification Assessments.	\$99,000		81.3

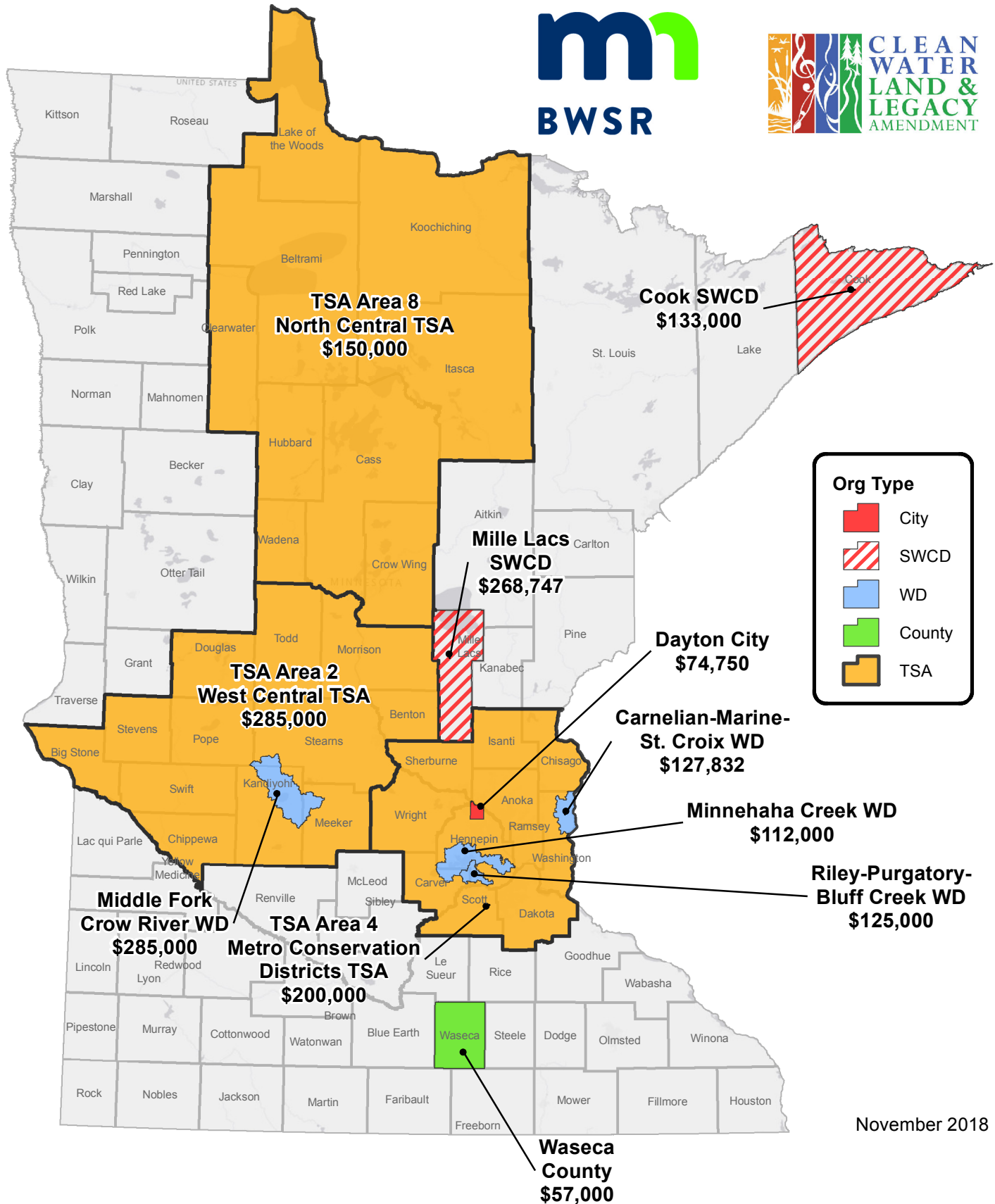
ID #	Grant Title	LGU	County	Abstract	State Request	Recommended Funding (\$1,382,915)	Score
C19-2883	Accelerating BMPs and Identifying Barriers in the Whitewater River Watershed	Whitewater River Watershed Project	Olmsted; Winona	The purpose of this project is twofold - to identify barriers preventing producers from adopting BMPs and to identify localized nitrate reduction strategies that work for farmers within the Whitewater Watershed. The goal is to reduce nitrate loss through leaching and increase nitrate BMP adoption rates where groundwater and streams are susceptible to contamination. The project will engage the Whitewater Farmer-Led Council members by developing relationships necessary to implement nitrate reduction practices. The Council will address nitrate issues by evaluating nutrient management practices and sharing results in farmer learning groups.	\$40,200		80.6
C19-2733	Identifying Barriers to Soil Health to Protect Surface Water	Otter Tail, East SWCD	Ottertail	East and West Ottertail Soil and Water Conservation Districts are partnering to host 6 meetings regionally to determine the interest and knowledge of local producers. The goal is to increase adoption of soil health practices for long-term surface water quality benefits. During this process producers will be able to explore the beneficial reasons to adopt soil health practices, including cost savings and surface water quality benefits. The information will be compiled into a final report that can be used to identify future action items.	\$56,000		80.3
C19-2050	Campus Groundwater Conservation Planning Phase 2	Area 4 - Metropolitan SWCDs Technical Service Area	Multiple Counties	State agency aquifer models show Twin Cities area aquifer extraction rates exceed recharge. To transition widespread concern about groundwater sustainability into action, the Metro Conservation Districts (MCD) focused on public campuses to reduce groundwater waste and increase infiltration. Guided by a multi-agency taskforce, MCD partners developed and implemented the Campus Groundwater Conservation Planning (CGCP) protocol to systematically review water-using systems campus-wide and identify water-saving and stormwater infiltration opportunities. This proposal will expand this effort to also include private campuses and complete an additional 11-22 CGCPs.	\$200,000		79.9
C19-2331	2019 - Vermillion River Direct Drainage Assessment	Vermillion River Watershed JPO	Dakota	Along the Vermillion River, the downtown cores of the cities of Lakeville, Farmington, and Hastings were developed by the 1960s with much of the eventual storm sewer network discharging directly to the river or tributaries with little or no treatment. This assessment will involve analyzing the existing storm sewer networks for each of the communities to identify locations, primarily on public land, where stormwater can be diverted for treatment and/or storage within the larger system. The estimated expectation for the assessment would be to produce about 3-4 projects for each of the three communities along with water quality benefits, including the total volume and amount of sediment captured, and preliminary cost estimates.	\$72,000		79.6
C19-2878	St. Cloud Metro Urban Lawn Turf-To-Natives Pilot Project	Sherburne SWCD	Sherburne; Stearns	Using a process called Community Based Social Marketing (CBSM), we plan to change the way local government units and resource professionals approach how they engage the public in changing behaviors towards water quality. We would be able to identify the barriers and benefits to the behavior change we are after towards a specific water quality practice. This proposal would use CBSM to scientifically determine the best way to motivate the practice of converting turf grass to a native turf alternative.	\$93,220		79.6
C19-2123	Subwatershed Assessment for CD32, CD7, CD21, JD2, CD4	North Fork Crow River WD	Multiple Counties	The District is seeking to further its goals of meeting multipurpose drainage management requirements under its obligations as a 103E drainage authority. In order to meet the requirements, the District needs to plan ahead to identify locations that could provide environmental and water quality benefits ahead of proceedings for drainage projects. Five public drainage ditch systems located within the district contribute a large amount of sediment and nutrients to Rice Lake and the downstream reaches of the North Fork Crow River. The goal of this project is to target opportunities for projects and practices in the these drainage ditches.	\$40,000		78.8
C19-2639	Beltrami County Minor Watershed Protection and Restoration	Beltrami SWCD	Beltrami	We are proposing using Forest Stewardship Plans to continue to protect and increase the acreages of protected lands in targeted minor watersheds. The SWCD will be a resource to the landowner in being able to provide a management plan. As a part of this project, we will conduct landowner outreach to over 300 landowners, develop new Forest Stewardship Plans, consisting of a sum of at least 2,500 acres and renew over 500 acres covered in expiring plans	\$75,400		78.0
C19-1640	Herlein- Boote Targeted Upland Storage AIG	Kanaranzi-Little Rock WD	Nobles	The goal of this feasibility study is to target opportunities for projects and practices within the drainage area to the Little Rock River that provide measurable improvements to local and downstream waterbodies by mitigating impacts of altered hydrology, thereby reducing bank instability, and sediment loading. This will start by refining potential storage practice locations using existing PTMApp results. A hydrologic model will be completed to develop an existing conditions assessment, develop practice conceptual designs, and analyze the impacts of viable storage practices. Lastly, this project will develop preliminary cost estimates, and an evaluation of the preliminary engineering feasibility of storage opportunities, allowing anticipated flow reductions to be measured.	\$57,500		77.6

ID #	Grant Title	LGU	County	Abstract	State Request	Recommended Funding (\$1,382,915)	Score
C19-1903	Conclusion of Southeast Minnesota Wastewater Initiative	SE Minnesota Water Resources Board	Multiple Counties	Non-compliant sewage treatment in small communities in Southeast Minnesota is causing surface water and groundwater pollution. Fourteen of these small communities will receive technical assistance provided by this project to assist them through the process of creating a community wastewater treatment solution. Some of these communities have individual straight pipes which are discharging raw sewage directly to the environment or have issues related to surfacing sewage or sewage contaminating groundwater, all which could be addressed by a community wastewater solution.	\$192,735		77.3
C19-2813	West Polk SWCD Targeted Resource Initiative	Polk, West SWCD	Polk	West Polk SWCD in collaboration with Polk County is seeking to integrate an innovative imagery package to assist with the identification of priority areas for the implementation of conservation practices to improve water quality and soil health, including practices mandated by statute 103F.48, or alternative practices that satisfy the law as well as voluntary practices identified in the Polk County comprehensive local water management plan and the Red Lake River comprehensive watershed management plan developed through the BWSR One Watershed One Plan program. T	\$250,000		74.3
C19-2108	Kanabec Forestry Services	Kanabec SWCD	Kanabec	This grant will fund the creation of a new District Forester to provide much needed forestry services to the forested areas in the northern half of Kanabec County. Kanabec County has the third largest (by percent) of non-industrial private forest land in the state, with 37.5% county-wide. Focused priority areas have been identified with the intent to work toward 60% protection within these areas for continued good water quality in the Snake & Kettle River Watersheds Areas.	\$120,400		68.3
C19-2673	Developing Public/Private Partnerships	Yellow Medicine SWCD	Multiple Counties	The purpose of this project is to expand the network of professionals involved in the marketing and delivery of public conservation projects to include private sector partners. The goals of the project are to (1) demonstrate how existing data/information from studies such as One Watershed, One Plan can be used to market shovel ready conservation programs; (2) engage private sector partners, such as crop consultants, in marketing and delivering conservation practices to accelerate the delivery; (3) document a framework for developing private/public partnerships that can be reproduced across Minnesota; and (4) deliver existing conservation programs at a much more rapid rate.	\$173,505		67.6

# FY 2017 Clean Water Fund

## Accelerated Implementation Grant Recommended Funding

### Total Recommended Funding: \$1,382,915



#	Grant ID	Name	LGU	County	Abstract	State Request	Recommended (\$11,685,070)	Score	Restoration or Protection	Drinking Water Benefits*
1	C19-2516	Middle Sand Creek Corridor Restoration	Coon Creek WD	Anoka	This project will reduce sediment and nutrient loading by 141 tons of sediment and 120 pounds of phosphorus annually while improving in-stream and riparian habitat by restoring a 2/3-mile corridor of Middle Sand Creek. This project expands upon the Lower Sand Creek Corridor Restoration project funded in part by a FY18 CWF grant and results in the restoration of over a mile of contiguous stream corridor.	\$ 382,772	\$ 382,772	89.4	Restoration	
2	C19-2653	Whiskey Creek Gully Stabilization Project	Wilkin SWCD	Wilkin	The Wilkin Soil and Water Conservation District will partner with the Buffalo Red River Watershed District, the Natural Resources Conservation Service, and landowners to install 59 side inlets to stabilize high priority gullies that are contributing sediment to Whiskey Creek. When these 59 gullies are stabilized, sediment loading to Whiskey Creek will be reduced by an estimated 1,006 tons per year and total phosphorus reduced by 794 pounds per year. The total sediment reduction associated with this project is 19% of the 5,175 tons per year goal set by the Total Maximum Daily Load for Whiskey Creek during high flows.	\$ 320,000	\$ 320,000	88.3	Restoration	X
3	C19-1980	Bald Eagle Lake Iron-Enhanced Sand Filter	Rice Creek WD	Ramsey	The Rice Creek Watershed District is proposing to improve the water quality of stormwater runoff to Bald Eagle Lake through installation of a new wet pond and iron-enhanced sand filter (IESF) on Ramsey County Ditch #11. In partnership with White Bear Township, this project will remove approximately 43 pounds of phosphorus from runoff annually and builds upon the extensive work undertaken by the RCWD to improve water quality in Bald Eagle Lake.	\$ 392,000	\$ 392,000	88.1	Protection	
4	C19-2908	2019 Well Sealing Cost-Share, Ramsey County SWCD	Ramsey Conservation District	Ramsey	Ramsey County SWCD is applying to continue the implementation of its popular and successful well sealing cost-share program to help protect the groundwater, especially in highly vulnerable drinking water supply management areas, by permanently and professionally sealing between 115 and 140 abandoned wells in our county.	\$ 100,000	\$ 100,000	87.6	Protection	X
5	C19-2910	Lake St. Croix Small Communities Urban Phosphorus Reductions	Middle St. Croix River WMO	Washington	This project proposes to address the largest phosphorus loads discharging from 885 acres to Lake St. Croix through the installation of targeted stormwater treatment best management practices ranked in the top 10 of those prioritized in the 2018 Lake St. Croix Direct Discharge South Stormwater Retrofit Analysis. The goal of this project is to reduce pollutant loading from four small communities to Lake St. Croix by at least ten pounds phosphorus.	\$ 200,000	\$ 200,000	87.1	Restoration	
6	C19-1780	Lebanon Hills Regional Park Chain of Lakes Improvement Project	Dakota County	Dakota	Dakota County is partnering with the Dakota Soil and Water Conservation District to preserve and enhance the chain of shallow lakes in Lebanon Hills Regional Park which is owned and operated by Dakota County and located within the City of Eagan. Dakota County proposes to construct two regional iron-enhanced sand filtration practices to achieve the load reduction goals set forth in the LHRP Subwatershed Assessment Report to protect Jensen and Schulze lakes and prevent them from being listed on the 303(d) Impaired Waters List. The project will reduce 26 pound of phosphorus annually.	\$ 267,000	\$ 267,000	87.0	Protection	
7	C19-2888	Woodcrest Pond biochar- and iron-enhanced sand filter	Coon Creek WD	Anoka	In partnership with the City of Coon Rapids, the Coon Creek Watershed District will address Coon Creek's aquatic life and recreation impairments by reducing nutrient and bacteria loading attributable to stormwater runoff from an 822-acre urban catchment. We will retrofit an existing in-line rate control pond with a large iron-enhanced sand filter bench to target dissolved phosphorus, reducing TP loading to Coon Creek by 69 pounds per year. We will also incorporate bio-char into the filter media mixture to reduce E. coli loading as recent laboratory studies have shown that biochar can remove over 90% of E. coli from synthetic stormwater.	\$ 376,093	\$ 376,093	86.1	Restoration	



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8	C19-2811	Drinking Water Protection in SE MN	SE Minnesota Water Resources Board	Multiple Counties	This project will provide cost-share funds to landowners in vulnerable groundwater areas for the incorporation of cover crops in their crop rotation and to provide education related to nitrogen BMPs through field trials and Nutrient Management Plans. An anticipated 100 producers in highly vulnerable areas, will plant 3,000 acres of cover crops resulting in preventing potentially 19,800 pounds of nitrate from leaching into groundwater.	\$ 269,356	\$ 269,356	85.8	Protection	X
9	C19-1484	Lower Rice Creek Stabilization Project	Rice Creek WD	Anoka; Ramsey	The Rice Creek Watershed District is proposing to improve water quality and habitat in Locke Lake and Lower Rice Creek by stabilizing stream banks and bluffs on Lower Rice Creek, reducing in-stream erosion and sediment delivery to Locke Lake, and improving in-stream habitat complexity for fish and invertebrates. Eleven bank stabilization practices would be installed over a continuous 5,400-foot reach in Lower Rice Creek. The anticipated outcome of this project is the prevention of 2,874 tons per year of sediment, which is 58% of the sediment reduction goals for Lower Rice Creek.	\$ 568,104	\$ 568,104	85.8	Protection	
10	C19-2734	Bone Lake SWA Implementation	Comfort Lake-Forest Lake WD	Chisago; Washington	This project proposes the implementation of 10 best management practices identified as having the lowest cost-benefit ratio as it relates to phosphorus reduction to downstream Moody and Bone Lakes with an estimated reduction to watershed phosphorus loads to Bone Lake by 90 pounds per year and to Moody Lake by 24 pounds per year. The Bone Lake watershed is at the "top" of the larger watershed, making it an ideal location to begin work that will have direct improvements downstream. The 2010 6- Lakes Total Maximum Daily Load report indicates that improvements in the water quality of Moody Lake and Bone Lake will contribute to improved water quality in School Lake, Little Comfort Lake, and Comfort Lake.	\$ 144,000	\$ 144,000	85.6	Restoration	
11	C19-2556	Johnny Cake Ridge Road Phosphorus Reduction BMP Retrofit	City of Apple Valley	Dakota	The project involves installation of a number of stormwater best management practices in the road right-of-way and on adjacent public property during reconstruction of Johnny Cake Ridge Road and installation of the Dakota County North Creek Greenway. Practices implemented will include boulevard raingardens, tree trenches, and underground sediment collection practices. The project is anticipated to reduce phosphorus to Long Lake by 9 pounds per year, about 17% of the remaining watershed phosphorus load reduction needed to meet water quality goals of the Long and Farquar Lakes Nutrient Total Maximum Daily Load.	\$ 300,000	\$ 300,000	85.5	Restoration	
12	C19-1660	Fairmont Drinking Water and Watershed Restoration Phase 1	Martin SWCD	Martin	This project will improve water quality in the nutrient impaired Fairmont Chain of Lakes. These 5 lakes are a surface water drinking water source for a City of over 10,000 people. Phase one of this multi-phase water quality restoration project focuses on installing 12 targeted agricultural best management practices such as bioreactors, saturated buffers and grassed waterways and will reduce nitrogen by over 1,000 pounds per year, sediment by over 130 tons per year, and phosphorus by over 200 pounds per year.	\$ 220,000	\$ 220,000	85.2	Restoration	X

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13	C19-2882	Valley Creek Ravine 2E Stabilization Project	Valley Branch WD	Washington	This project will continue to protect and improve Valley Creek, a world-class trout stream located in the Valley Branch Watershed District. Stabilizing Ravine 2E, which conveys runoff from a 150-acre watershed directly into the main stem of Valley Creek, will prevent 7 tons of sediment from depositing in the creek and silting over trout spawning sites on an annual basis. It will also reduce the annual total phosphorus load to Valley Creek and the nutrient-impaired Lake St. Croix by 51 pounds per year.	\$ 405,000	\$ 405,000	84.9	Protection	
14	C19-2633	Judicial Ditch No. 2 Outlet Gully Stabilization Project	Otter Tail County	Otter Tail;Wilkin	Otter Tail County will partner with the Buffalo-Red River Watershed District and the West Otter Tail and Wilkin SWCDs to stabilize the outlet of Judicial Ditch No. 2 which has become the most critically eroding gully contributing sediment to the Otter Tail River. When stabilized, sediment to the river will be reduced by 988 tons per year, and total phosphorus will be reduced by 840 pounds per year. The sediment reduction associated with this project is 7 percent of the 6,868 tons per year goal set by the Lower Otter Tail River Total Maximum Daily Load.	\$ 298,000	\$ 298,000	84.8	Restoration	
15	C19-2518	Targeted Stormwater Retrofit Project for Highly Sensitive Island-Loon Lake	Crow Wing SWCD	Crow Wing	The Crow Wing County (CWC) Water Plan identifies Island-Loon Lake as a priority lake to enhance due to its significant decline in water clarity and high ratio of impervious surface surrounding the lake. To mitigate the runoff, the Crow Wing Soil and Water Conservation District will partner with the CWC HWY Department, City of Crosslake, Crosslakers, and Whitefish Area Property Owners Association to install three mechanical separators and 13,500 square feet bioretention area that will reduce six pounds of phosphorus and 1 ton of sediment per year from entering the lake.	\$ 475,000	\$ 475,000	84.5	Protection	
16	C19-2638	2019 Parmly Gully Stabilization Project on Green Lake	Chisago SWCD	Chisago	A large, actively eroding gully has existed on the campus of Parmly, a senior living complex in Chisago City, for at least 50 years. The gully is on the banks of Green Lake, which is at high risk for becoming impaired in the near future. The Parmly gully project is identified as a source of untreated stormwater and phosphorus loading in the Chisago City urban subwatershed retrofit analysis report. Stabilization of the gully will provide a 20% reduction in phosphorus loading to Green Lake. The staff of Parmly is in full support of the project and a design is complete.	\$ 100,000	\$ 100,000	84.5	Protection	
17	C19-2637	2019 St. Croix River Escarpment Gully Stabilization	Chisago SWCD	Chisago	The St. Croix River escarpment has been a focal point for the Chisago Soil and Water Conservation District over the past 8 years, and continues to be one of the leading areas of Chisago County in terms of phosphorus reduction projects to Lake St. Croix. Of the original inventory, 16 of the 36 gullies have been stabilized. This application includes the stabilization of 5 gullies. These projects will reduce the phosphorus loading to the St. Croix River by at least 50 pounds per year and sediment loading by at least 50 tons per year.	\$ 90,000	\$ 90,000	84.4	Restoration	
18	C19-2907	Water Harvest and Reuse at Oak Glen Golf Course	Browns Creek WD	Washington	Brown's Creek Watershed District, City of Stillwater and Oak Glen Golf Course will work together to harvest and reuse stormwater for golf course irrigation, reducing thermal loading to Brown's Creek, a designated trout stream listed as impaired due to high thermal and total suspended solids loading, and reduce phosphorous loading to Lake St. Croix, impaired for excess nutrients. The primary goals are to reduce phosphorous loading to Brown's Creek and the St. Croix River/Lake St Croix by 67-124 pounds per year and thermal loading to Brown's Creek by 0.4 degrees Celsius.	\$ 360,100	\$ 360,100	84.3	Restoration	

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19	C19-2901	Rush Creek SWA Implementation	Hennepin County	Hennepin	Hennepin County will implement prioritized projects from the Rush Creek Subwatershed Assessment, including closing about 200 open tile intakes on the farms of 11 landowners, establishing 6 grassed waterways, two exclusion fence systems, and two contour farming conversions. These projects will significantly reduce bacteria loads upstream of Elm Creek Park Reserve where the creek serves as a learning laboratory for more the 2,500 students each year. In addition, these projects will reduce sediment by 616 tons per year and phosphorus by 478 pounds per year.	\$ 142,110	\$ 142,110	83.9	Restoration	
20	C19-1820	Lake George Water Quality Improvement Project	Stearns SWCD	Stearns	A watershed assessment and water quality treatment plan was completed for the impaired Lake George . This project will address the watershed practices portion of the water quality treatment plan. One regional underground stormwater detention/filtration treatment facility treating a 47-acre drainage area will be installed in partnership with the Tech High School Redevelopment Project. The underground facility will target phosphorus reduction reducing an estimated 27 pounds of phosphorus and 7 tons of sediment annually.	\$ 697,000	\$ 697,000	83.6	Restoration	
21	C19-2593	2019 NE St. Cloud Sediment Reduction Project	Benton SWCD	Benton	We intend to achieve a 10% reduction in overall sediment discharge to the Mississippi River from the Northeast St. Cloud Drainage Area by installing one regional underground stormwater detention and treatment facility in partnership with a Neighborhood Redevelopment Project. The project will have over 16,000 cubic feet of water storage capacity treating 35 acres of stormwater runoff and is modeled to reduce sediment by 4.5 tons, which is 10% of the sediment reduction goal for this drainage area.	\$ 456,500	\$ 456,500	83.3	Protection	X
22	C19-2635	Keller Lake Alum Treatment	Black Dog WMO	Dakota	alum application was identified as the primary phosphorus load reduction option for controlling internal phosphorus load in Keller Lake. A recently completed in-lake management feasibility study report indicates that the in-lake alum application is the most cost-effective implementation project that remains for Keller Lake. This grant project is estimated to remove 186 pounds of phosphorus annual and will achieve most of the remaining phosphorus load reduction goal for Keller Lake.	\$ 230,000	\$ 230,000	83.3	Restoration	
23	C19-2042	Protecting Del Clark Lake and Restoring Canby Creek	Lac qui Parle-Yellow Bank WD	Lincoln;Yellow Medicine	Del Clark Lake is a regionally unique resource in the Lac qui Parle Watershed. This grant contains both restoration and protection strategies aiming to maintain the quality of this rare and valuable resource in addition to restoring the recently impaired Canby Creek, which feeds into Del Clark Lake. Three grade control structures will be implemented just upstream of Del Clark to protect against sediment and aid in regulating flows. An estimate 240 pounds of phosphorous and 2,700 tons of sediment will be reduced annually.	\$ 300,000	\$ 300,000	83.1	Protection and Restoration	
24	C19-2871	Sherburne County Targeted Nitrate Reduction BMP Implementation	Sherburne SWCD	Sherburne	The goal of the project is the reduction of nitrates in the groundwater by promoting and implementing best management practices and alternative management tools in the priority areas of Sherburne County. Practices included in the application are: Cover crops, irrigation water management , and nutrient management. Additional incentives included are for the Conservation Reserve Program. District Staff will also plant at least one acre of demonstration plots which will be highlighted with an annual field day.	\$ 105,806	\$ 105,806	82.8	Protection	X

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25	C19-2822	Top - Down: Buffalo Watershed Accelerated Improvement Project	Becker SWCD	Becker	This project strives to continue progress towards the sediment and nutrient reduction goals for the Buffalo River . Specific targeted practices and quantities include Water and Sediment Control Basins (110), Grade Stabilizations (7), Grassed Waterways (10), Critical Area Plantings (12), Filter Strips (45 ac.), Cover Crops (2,500 ac/year), Rotational Grazing/Use Exclusion (320 ac), Wetland Restoration (86 ac). In total the project is anticipated to reduce sediment loading to the Buffalo River by an estimated 32,712 tons per year, phosphorus loading by 21,083 pounds per year, and nitrogen loading by 24,322 pounds per /year.	\$ 796,061	\$ 796,061	82.5	Restoration	
26	C19-1641	Implementation Importance for Progressive "City on the Pond"	Middle Fork Crow River WD	Kandiyohi	This grant seeks to build the top 5 prioritized projects (2 iron-enhanced sand filters, 1 rain garden, 1 infiltration trench, and 1 tree trench) within the City of New London. Installation of these project will result in a cost-effective pollutant reduction from city runoff to various nearby water resources. The project is estimated to reduce sediment by 2 tons and phosphorus by 8 pounds annually.	\$ 160,250	\$ 160,250	82.2	Restoration	
27	C19-1701	Lake City Stormwater Improvement Project	Goodhue SWCD	Goodhue	The goal of this project is to reduce peak stormwater flow discharge, sediment and phosphorus from directly entering Lake Pepin by installing two stormwater infiltration basins treating a total of 15.8 acres of developed residential and commercial area in Lake City in conjunction with the Highway 61 road reconstruction project scheduled for 2020 reducing total phosphorus by 13 pounds per year and sediment by 2 tons per year.	\$ 181,900	\$ 181,900	82.2	Restoration	
28	C19-1441	Northern Columbia Golf Course Regional BMPs	Mississippi WMO	Hennepin	The MWMO, City of Minneapolis and Minneapolis Park & Recreation Board are partnering to implement stormwater projects that reduce pollutant loading to the Mississippi River, reduce flooding and improve ecological function. Three regional Best Management Practices are being proposed in the northern portion of Columbia Golf Course, in Northeast Minneapolis, capturing and treating stormwater from 600-acres of mixed urban landuse. Based on preliminary designs, the BMPs will remove 20 tons of sediment, 100 pounds of total phosphorus, and infiltrate 6.7 million cubic feet of water each year.	\$ 800,000	\$ 800,000	82.1	Restoration	
29	C19-2080	Cool it! Continued Efforts to Solve the Temperature Impairment	St Louis, South SWCD	St. Louis	The South St. Louis SWCD will collaborate with the City of Duluth to implement 13 stormwater BMPs in two high priority parks in the Miller Creek Watershed. The proposed BMP locations were prioritized by the City & SWCD based on the desire to coordinate with upcoming construction planned for Lincoln Park & on the sediment impacts resulting from worsening erosion problems in Piedmont Park. The proposed BMPs include a combination of bio-infiltration, native plantings & structural components estimated to reduce volume by 2 acre-feet, phosphorus by 1 pound per year and sediment by one ton per year.	\$ 426,641	\$ 426,641	82.1	Restoration	
30	C19-2759	Upper Chippewa River Watershed Groundwater Protection	Douglas SWCD	Douglas	This project will improve water quality in the heart of Douglas County's livestock country. The goal of the project is to improve drinking water quality by upgrading, replacing or closing existing damaged or unpermitted manure storage areas, in addition to addressing open lot runoff. Five project locations have been identified and up to 4 more are anticipated to be identified in the next two years, for a total of up to 10 projects. Estimated pollution reduction is 421 pounds of nitrogen and 122 pounds of phosphorus.	\$ 356,960	\$ 356,960	82.0	Protection	X

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31	C19-1500	Thief River Falls Streambank Stabilization Projects	Pennington SWCD	Pennington	Three streambank stabilization projects have been identified as high priority projects in the Thief River Falls Water Quality Study completed in 2017. The proposal will use a combination of bendway weirs, toe protection by building a floodplain bench and live stake plantings. It has been estimated that a total of 385 tons per year of sediment from these three locations is entering the river contributing to the impairment downstream.	\$ 542,642	\$ 542,642	81.9	Restoration	X
32	C19-2803	Lauderdale Stormwater Improvements	Capitol Region WD	Ramsey	Capitol Region Watershed District and the City of Lauderdale seek to improve water quality and flood control functions of Seminary Pond in Lauderdale. The project partners propose improvements to the pond including: 1) expansion of the pond's storage area and 2) construction of an iron-enhanced sand filter. These improvements were identified as being the most cost-effective and will remove an estimated additional 2 tons of sediment and 9 pounds of phosphorus annually.	\$ 150,000	\$ 150,000	81.9	Restoration	X
33	C19-2853	Targeted Implementation in the Pomme de Terre Watershed	Pomme de Terre River Association JPB	Multiple Counties	With the proposed project, the Pomme de Terre River Association will target catchments delivering the highest 25% of sediment from agricultural land and identified priority management zones for storm water runoff (identified in the Watershed Restoration and Protection Strategy). Implementation is estimate to reduce sediment runoff to prioritized water bodies by 14,690 tons per year and phosphorous by 12,270 pounds per year.	\$ 541,776	\$ 541,776	81.8	Restoration	
34	C19-1742	2019 - Little Rock Lake Watershed Phosphorous Reduction Initiative	Benton SWCD	Multiple Counties	These funds will be utilized in cost-share for landowners to install Agricultural Best Management Practices following Little Rock Lake TMDL Implementation Plan. Example of projects include Feedlot Improvements, Waste Storage Facilities, Erosion Control BMPs, Filter Strips and Streambank Stabilizations. An estimated 830 pounds per year of phosphorus and 800 tons of sediment will be reduced annually.	\$ 175,000	\$ 175,000	81.8	Restoration	
35	C19-2674	2019 Chisago Lakes Chain of Lakes Watershed BMP Implementation	Chisago SWCD	Chisago	The Chisago Lakes Chain of Lakes watershed in southern Chisago County is made up of 18 lakes and outlets to the St. Croix River through the Sunrise River. The top 20 urban and rural projects around North and South Center Lakes that are identified in the Rural Subwatershed Assessment and Urban Stormwater Retrofit Analysis reports will be the top priority of this application. The goal is a phosphorus reduction of 100 pounds (4%) to North and South Center Lakes.	\$ 250,000	\$ 250,000	81.5	Restoration	
36	C19-1781	2019 Mallery Jerseys Comprehensive Nutrient Management Plan Implementation	Chisago SWCD	Chisago	The Mallery Jerseys dairy farm is critically located along the bluff of the St. Croix River escarpment and drains directly to the St. Croix River. In 2018, a Comprehensive Nutrient Management Plan was completed and identified a number of additional practices that should be implemented to improve the water quality of the St. Croix River. The proposed practices will reduce the phosphorus and nitrogen by 76 pounds (83%) and 265 pounds (85%) respectively.	\$ 105,000	\$ 105,000	81.0	Restoration	

#	Grant ID	Name	LGU	County	Abstract	State Request	Recommended (\$11,685,070)	Score	Restoration or Protection	Drinking Water Benefits*
37	C19-2865	Elk River Watershed Urban and Residential BMP Implementation	Sherburne SWCD	Sherburne	The primary focus of this project would be to improve the water quality of the Elk River and impaired or protection lakes in its watershed. These waterbodies include the Briggs Chain of Lakes (Briggs, Julia, Rush, Elk) along with Birch Lake, Lake Orono, Big and Mitchell Lakes. Projects would be limited to the targeted sub-watersheds identified in the Mississippi River St Cloud WRAPS report for restoration or protection. The estimated outcomes are the removal of 55 pounds of phosphorus and 150 tons of sediment per year.	\$ 106,490		80.9	Restoration	
38	C19-2702	Lake Mille Lacs, Green and George Shoreline Restorations with benefits to the Rum River	Mille Lacs SWCD	Multiple Counties	This project will stabilize lakeshore and install stormwater management practices on three lakes that have a direct connection to the Rum River. These lakes are Lake Mille Lacs, Green Lake and Lake George. This application is a collaboration between Mille Lacs, Aitkin, Isanti and Anoka SWCDs, which cover >70% of the watershed, and The Nature Conservancy. 22 lakeshore restoration projects totaling 1,540 linear feet will be installed. Anticipated pollutant reductions for all projects are 11 pounds per year of phosphorus and 6 tons per year of sediment.	\$ 137,868	\$ -	80.5	Restoration (Green Lake) Protection (Mille Lacs and Lake George)	
39	C19-2880	Richmond Redevelopment Retrofit Project	Stearns SWCD	Stearns	In 2019, the City of Richmond, which discharges to the Sauk River just upstream of the Chain of Lakes, will begin redeveloping their downtown area . While the area is being redeveloped, the City has an opportunity to retrofit in up to 30 permanent stormwater treatment practices. The proposed practices will reduce the total phosphorous load by 40 pounds and sediment by 7 tons annually. This is a reduction of 90% for each pollutant across the project drainage area which makes up 10% of the city.	\$ 239,001	\$ -	80.3	Restoration	
40	C19-1462	2019 Clearwater River Subwatersheds Improvement Projects	Red Lake SWCD	Red Lake	The Clearwater River is impaired for turbidity. Red Lake County SWCD targeted twelve sites i for water quality improvement. Through the implementation of these Best Management Practices, the large amount of sediment that is being contributed to the river will be reduced, soil loss from cropland will be reduced, by 793 tons of sediment and 569 pounds of phosphorus annually.	\$ 219,200	\$ -	80.0	Restoration	X
41	C19-2636	Big Swan Lake Protection	Todd SWCD	Todd	The Minnesota Department of Natural Resources Phosphorus Sensitivity Analysis for Big Swan Lake indicates a needed reduction of 647 pounds of phosphorus per year to meet a target load limit in the lake. The Big Swan Lake Protection Project will reduce agricultural contributions of phosphorus loading by 69 pounds or 10.7% from four key farms located within the watershed. Reductions will be achieved through implementation of practices on two dairy and two beef facilities.	\$ 250,160	\$ -	80.0	Protection	
42	C19-1340	2019 Big Elk and Mayhew Lake Priority Area Implementation	Benton SWCD	Benton	Big Elk Lake and Mayhew Lake are both impaired for excess phosphorus. Funds will be used to assist farmers in implementing BMPs including riparian pasture management, nutrient management, feedlot pollution control systems and cropland erosion control projects. There are 29 different projects at various stages. Combined they are estimated to reduce phosphorus by approximately 1,819 pounds per year, nitrogen by 1,856 pounds per year, and sediment by 690 tons per year.	\$ 275,000	\$ -	79.6	Restoration	

#	Grant ID	Name	LGU	County	Abstract	State Request	Recommended (\$11,685,070)	Score	Restoration or Protection	Drinking Water Benefits*
43	C19-2836	MFC River Targeted Channel Restoration Practices in the CD47 Drainageshed	Middle Fork Crow River WD	Meeker	This application targets 12.2 miles of the Middle Fork Crow River between Lake Calhoun and Manannah. Projects funded through this application will reduce sediment and nutrients from a 93-acre watershed by implementing eight prioritized project locations including one toe protection, twenty-six stream barbs, three vegetated riprap projects, canopy thinning, four tree removal, three resloping with vegetative riprap, and one animal exclusion. It is estimated that the projects will reduce 797 tons of sediment and 160 pounds of phosphorous per year.	\$ 732,980	\$ -	79.6	Restoration	
44	C19-2121	Long Lake Restoration	Otter Tail, East SWCD	Otter Tail	Long Lake near Otter Tail Lake is on MPCA's preliminary impaired water list for the Otter Tail River Watershed. SWCD staff wish to implement at least 10 shoreline restorations and rain gardens, 4 sediment basins, 1 nutrient management plan, and 3 enhanced buffers where these practices can provide the greatest benefit. These projects are estimated to prevent 8 pounds of phosphorus from entering the lake.	\$ 75,000	\$ -	79.5	Restoration	
45	C19-2913	Itasca County Upper Mississippi Headwaters Watershed Phosphorus Reduction	Itasca SWCD	Itasca	The purpose of the project is to lower the amount of phosphorus entering Deer Lake, Pokegama Lake, and other high priority lakes in the Upper Mississippi Headwaters Watershed in Itasca County. Prioritized projects such as managing storm-water runoff with check dams and basins, shoreline vegetation restorations, along with community collaboration, will help reduce phosphorus loading on these water bodies by 5,100 pounds of phosphorus annually.	\$ 212,000	\$ -	79.2	Protection	
46	C19-2808	Crow River Gully Stabilization to Reduce Turbidity Phase Four	Wright SWCD	Wright	The Wright Soil and Water Conservation District has partnered with the Crow River Organization of Water and the Natural Resources Conservation Service on four targeted subwatershed in the North Fork Crow River. This project will reduce the amount of sediment and phosphorus being exported from the targeted stretch of the Crow River by 210 tons per year and phosphorus by 280 pounds per year. Practices will include grade stabilization structures and water and sediment control basins.	\$ 175,000	\$ -	79.0	Restoration	
47	C19-2000	Phase 1 of Five Mile Creek Improvement Strategy	Big Stone SWCD	Big Stone	The purpose of this project is to install 30 to 40 water and sediment control basins and other best management practices such as grade stabilization control structures in Five Mils Creek to reduce nutrient and sediment delivery. We currently have 19 shovel ready and plan to inquire with neighboring landowners for additional projects to further correct erosion issues in the area. Reduction of sediment is estimated to be 1,400 tons per year.	\$ 234,000	\$ -	78.4	Restoration	
48	C19-2879	Long Lake Protection and Enhancement Project	Hubbard SWCD	Hubbard	Protecting and enhancing lakes in Hubbard county is imperative to our economy and the inherent value of this area. One of our most popular cisco lakes, Long Lake, is threatened due to high disturbance rates throughout the entire shoreland area. This project will protect Long Lake by improving three public water access spots by providing storm water runoff treatment. This project will reduce phosphorus deposition in Long Lake by 2.8 pounds per year.	\$ 341,200	\$ -	78.3	Protection	

#	Grant ID	Name	LGU	County	Abstract	State Request	Recommended (\$11,685,070)	Score	Restoration or Protection	Drinking Water Benefits*
49	C19-1960	Pennington County Ditch 1 Sediment Reduction Project	Red Lake WD	Pennington	The Red Lake Watershed District will coordinate with the Red Lake River 1W1P Policy Committee to repair and stabilize approximately 1,500 feet of eroding natural channel. This channel flows directly into the Red Lake River and serves as the outlet of Pennington County Ditch 1. Stabilization of this outlet channel will reduce pollution in the Red Lake River by an estimated 227.5 tons per year of sediment and 262 pounds per year of phosphorus.	\$ 190,000	\$ -	78.2	Restoration	X
50	C19-2854	Forest Lake Area Schools Stormwater Reuse Program - Forest Lake Area Middle School	Forest Lake, City of	Washington	The project proposed is Phase 2 of the long term plan to incorporate stormwater reuse practices at specific school sites (Forest Lake Area Middle School) and a structured approach to introducing students to stormwater management and reuse at younger ages. Groundwater usage will be reduced by over 1.8 million gallons per year. The project will also reduce 1 ton of sediment and 8 pounds of phosphorus annually into Clear Lake.	\$ 429,000	\$ -	78.1	Protection	
51	C19-2105	Otter Tail's Lakes of Greatest Concern	Otter Tail, East SWCD	Otter Tail	EOTSWCD and WOTSWCD are targeting phosphorus levels on the lakes of greatest concern in Otter Tail County. SWCD staff wish to implement 20 shoreline restorations and rain gardens, 8 sediment basins, 5 nutrient management plans, and 10 enhanced buffers where these practices can provide the greatest benefit. These activities are expected to reduce phosphorus contributions to Big Pine, Little Pine, Walker, Wall, and South LIDAR Lakes by at least 16 pounds per year.	\$ 245,000	\$ -	77.9	Protection	
52	C19-2714	Lake St. Croix Sediment Source Reduction - Trout Brook Ravines	South Washington WD	Washington	The South Washington Watershed District and partners will reduce sediment and phosphorus discharge to Lake St. Croix through targeted stabilization of ravines in the Trout Brook watershed. These efforts will not only benefit Lake St. Croix, but Trout Brook itself which is one of the few cold water trout streams within the Twin Cities metro area. The project is estimated to reduce 80 pounds of phosphorus annually.	\$ 214,400	\$ -	77.0	Restoration	
53	C19-2695	West Branch & Upper Rum River Agriculture BMP Implementation	Mille Lacs SWCD	Mille Lacs	The project will begin to restore surface water impairments in the southern third of Mille Lacs County. To address both E. coli and nutrient reduction priorities identified in the 2017 Rum River Watershed Restoration and Protection Strategy report, the types of ag BMPs will be installed: manure management, managed grazing, and runoff/erosion control. We anticipate installing approximately six BMPS with anticipated pollutant reductions of 73 pounds of phosphorus and 166 pounds of nitrogen annually.	\$ 136,948	\$ -	77.0	Restoration	
54	C19-2897	Kittson County Erosion Protection Project	Kittson SWCD	Kittson	The water quality data from the Two Rivers Watershed and the Lower Red River of the North Watershed Restoration and Protection Strategy Reports indicated that there are 2 stream reaches at risk for impairment and 3 that are impaired within Kittson County. The goal of project is to reduce sediment loads by 12,500 tones per year by implementing 1,000 acres of cover crops and 5 miles of field windbreaks within the 5 sub-watersheds that have impairment risk streams.	\$ 200,000	\$ -	76.4	Restoration and Protection	



#	Grant ID	Name	LGU	County	Abstract	State Request	Recommended (\$11,685,070)	Score	Restoration or Protection	Drinking Water Benefits*
55	C19-2867	Groundwater Protection to Reduce Nitrate Levels in Agram and Buh Townships	Morrison SWCD	Morrison	The targeted work area for this proposal is the groundwater aquifers beneath the four minor watersheds of Platte River, Skunk River, Big Mink Creek and Little Mink Creek. The measurable outcomes for this grant application would be to prevent 5,400 tons or 116,715 pounds of nitrogen on 744 acres of poultry manure from leaching nitrogen while it is being temporarily stored in these areas. This reduction would meet a quarter of the reduction goal set for the area.	\$ 550,000	\$ -	76.1	Protection	X
56	C19-2834	CD 10 MDM Implementation	Wright SWCD	Wright	CD 10 is one of Wright County's largest public drainage systems and benefits approximately 93 landowners. There has been a lack of maintenance on CD 10 since its establishment in 1906. The goal of this project is to implement two storage/treatment ponds . It is anticipated that approximately 5,314 tons of sediment and 2,004 pounds of phosphorus will be removed from the sediment and phosphorus loads entering Ann Lake annually.	\$ 563,172	\$ -	76.1	Restoration	
57	C19-2821	Sugar Lake Watershed External Load Reductions based on PTMAApp	Wright SWCD	Wright	The goal of this application is to improve the quality of water entering Sugar Lake by reducing total suspended solids and total phosphorous through construction of best management practices identified in the Sugar Lake watershed. Of the 13 practices, 4 are grassed waterways, 1 is a buffer strip, 3 are wetland restorations, and 5 are water/sediment control basins. Targeting the 6 of the most cost-effective practices, there would be an estimated reduction in total sediment by 155 tons per year and a reduction in total phosphorus by 13 pounds per year.	\$ 128,000	\$ -	75.9	Protection	
58	C19-2911	Louisa and Marie Alum Dosing	Clearwater River WD	Wright	The proposed project restores 2 water bodies on the impaired waters list that are each very close to meeting state water standards: Lake Louisa and Lake Marie through direct alum treatment. The proposed measurable outcome for this project is to reduce internal loading to these lakes by 90+%	\$ 295,275	\$ -	75.5	Restoration	
59	C19-2858	Priority Bacteria Reduction in Mississippi River-Sartell	Stearns SWCD	Stearns	This project will reduce bacteria loading into priority streams within the Mississippi-Sartell watershed that are impaired for E. coli. The project will address high priority bacteria sources by constructing 5 manure handling and storage facilities, reducing runoff from 5 feedlots, implementing 5 livestock exclusions and associated pasture improvements, and other infiltration and reduction practices.	\$ 328,650	\$ -	75.4	Restoration	
60	C19-1720	West Indian Creek Watershed Protection and Restoration	Wabasha SWCD	Wabasha	West Indian Creek is one of 18 designated trout streams in the County, and it is a tributary of the Zumbro River. Focus of the grant fund will be installation of multiple best management practices (BMP's) in targeted priority areas to provide measurable reductions in sediment and phosphorous loading. Estimated reductions from the project are 1,611 pounds of phosphorus and 1,409 tons of sediment annually.	\$ 417,000	\$ -	75.3	Restoration	
61	C19-2804	Shoreland Restoration and Green Infrastructure for Resilient Rural Communities	Lake SWCD	Lake	The purpose of this project is to establish a shoreland program providing opportunities for area landowners to implement approximately 4,200 square feet (5-10 sites) of shoreline restoration and green infrastructure projects. Implementing shoreline restoration practices on inland water bodies will benefit the public by keeping lakes and streams in the Rainy River Watershed pristine. Annual pollutions reductions of 3 ton per year of sediment and 3 pounds of phosphorous per year.	\$ 136,050	\$ -	75.0	Protection	

#	Grant ID	Name	LGU	County	Abstract	State Request	Recommended (\$11,685,070)	Score	Restoration or Protection	Drinking Water Benefits*
62	C19-2021	Lake Traverse Water Quality Project #1	Bois de Sioux WD	Traverse	The Bois de Sioux Watershed District is proposing a project to directly reduce non-point pollutant loadings discharged from a tributary of Lake Traverse known as Traverse County Ditch 52 (TCD 52). The scope of this effort includes a full scale stabilization project on the 3,500' long reach of TCD 52 from State Trunk Highway 27 to Lake Traverse (Project Area). By stabilizing the channel, sediment will be reduced by 760 tons per year.	\$ 365,000	\$ -	74.8	Restoration	
63	C19-2560	Installing BMPs on Lands Owned by Nonprofits	Nine Mile Creek WD	Hennepin	The Nine Mile Creek Watershed District will install six stormwater best management practices on prioritized sites owned by nonprofits. Working in partnership with the nonprofits, five raingardens, one swale, and one infiltration basin are planned for installation. The cumulative pollutant removal are annually projected to be 3.5 pounds of total phosphorus, 712 pounds of sediment, and an average of 64% annual runoff volume reduction.	\$ 199,132	\$ -	74.5	Restoration	
64	C19-2890	Rice Creek Commons Green Infrastructure Phase 1	Ramsey County	Ramsey	Ramsey County, Rice Creek WD and the City of Arden Hills have been working in partnership on the 427-acre Rice Creek Commons redevelopment area . This grant request is for tree trenches, a green filter public plaza area and educational features including a colored concrete section in the 4-lane roadway that illustrates the watershed divide and signage within the Natural Resources Corridor. Anticipated outcomes is a reduction of 10 pounds of phosphorus per year.	\$ 400,000	\$ -	74.5	Restoration	
65	C19-2754	Beaver Creek Restoration Project	Ramsey Conservation District	Ramsey	The water resource targeted in this application for restoration is Beaver Creek – located entirely within the City of Maplewood. The lake has been assigned a water quality classification of “At Risk” due to water quality data trends caused by excess nutrient loads. This project would include removal of invasive species, surface slope protection, bank stabilization, and establishment of 0.88 acres of native vegetation buffer along both sides of a 200-LF section of the creek. These solutions reduce phosphorus by 6 pounds per year and sediment by 7 tons per year.	\$ 80,000	\$ -	74.1	Protection	
66	C19-2654	Marshall County Judicial Ditch 23/Thief River Sediment Control Projects	Marshall SWCD	Marshall	The Marshall Soil and Water Conservation District will work with Marshall County, Excel Township, the Red Lake Watershed District to install Grade Stabilization Structures, reshaping/planting of Critical Area Sites and Streambank Stabilization Structures along Judicial Ditch 23 and the Thief River. The estimated outcomes of this project is a reduction of 240 pounds of phosphorus, 1,050 pounds of nitrogen and 200 tons of sediment per year,	\$ 234,000	\$ -	72.9	Restoration	
67	C19-2517	Holistic Soil Health Practices	Wadena SWCD	Wadena	Wadena SWCD will work with one to three farmers that are interested in creating holistic soil health improvements on their land. Soil health practices will focus on impairments in the Redeye River Watershed. E. coli and biotic impairments will be the focus and sediment is a big contributor. Participants will implement a variety of soil health practices on the same fields over a minimum 5-year period. Bacteria is estimated to be reduced by 75% and sediment by 138 tons per year as a result of the project.	\$ 100,000	\$ -	72.9	Restoration	
68	C19-2141	Wild Rice Watershed Sediment Basins 2019	Norman SWCD	Norman	Due to erosion issues in the Wild Rice River Watershed , the Norman County SWCD will design and install 12 sediment basins to curb infield sediment movement. This project will include working with approximately 8 landowners in a high priority area. The anticipated outcome will be a reduction in soil loss of approximately 156 tons per year.	\$ 126,000	\$ -	72.8	Restoration	

#	Grant ID	Name	LGU	County	Abstract	State Request	Recommended (\$11,685,070)	Score	Restoration or Protection	Drinking Water Benefits*
69	C19-2812	Clearwater River Watershed Erosion BMP's	Polk, East SWCD	Polk	The East Polk Soil and Water Conservation District (SWCD) and the Red Lake Watershed District will work together to expand the SWCD's recent success with Water and Sediment Control Basins to improve water quality in the lakes and rivers of the Clearwater River Watershed. This project could install up to 40 water and sediment control basins and will cumulatively result in a reduction of 632 tons of sediment and a 700 pounds of phosphorus annually.	\$ 280,000	\$ -	72.4	Restoration	
70	C19-2893	Shamineau Lake Water Protection	Morrison SWCD	Morrison	The prioritized and targeted work area for this proposal is the surface water quality of Shamineau Lake in northwestern Morrison County. This proposal seeks to restore and stabilize 20 of the most severely eroded sites on the lake. The goal for the phosphorus load reduction has been set by the Lakes of Phosphorus Sensitivity as needing 16% or 216 pounds of phosphorus. Work proposed in this application would surpass this goal by reducing the phosphorus load by 256 pounds.	\$ 114,500	\$ -	72.0	Protection	
71	C19-2819	Granite Lake Watershed External Load Reductions based on PTMApp	Wright SWCD	Wright	The goal of this application is to improve the quality of water entering Granite Lake. Based on PTMApp output data and staff assessments, 13 structural practices were chosen to further investigate and prioritize for possible installation. The goal of this project is to build six of the projects. Targeting the 6 of the most cost-effective practices, there would be an estimated reduction in total sediment by 87 tons per year and a reduction in total phosphorus by 6 pounds per year.	\$ 125,000	\$ -	71.8	Protection	
72	C19-2906	Merritt Creek Watershed Stormwater BMPs-Duluth	St Louis, South SWCD	St. Louis	Merritt Creek is a designated trout stream that runs through a densely developed part of Duluth. Merritt Creek is not meeting its aquatic recreation designated uses, due to excess E. coli levels. Outcomes: 15% annual runoff volume removed, 33% annual total phosphorus removed and 59% in sediment as well as improvements to habitat.	\$ 119,200	\$ -	71.2	Restoration	
73	C19-2713	Newport - South Metro Mississippi River Water Quality Improvement	South Washington WD	Washington	The South Washington Watershed District will leverage existing efforts to install a secondary water quality treatment best management practice at one of several direct stormwater discharges from the City of Newport to the Mississippi River. The BMP will target total phosphorus discharge to the River, reducing annual loading by 78% (28 pounds per year ).	\$ 91,200	\$ -	71.1	Protection	
74	C19-2106	Beltrami County Stormwater Restoration and Nearshore Protection Projects	Beltrami SWCD	Beltrami	The project will focus on 23 lakes and 4 streams that have been determined to be the highest value or the most at risk, determined by rankings developed in the Beltrami County Local Water Management Plan (BCLWMP) and the phosphorus sensitivity index developed by the MN DNR. Prescribed BMPs will cumulatively reduce 99 pounds of phosphorus and 38 tons of sediment from reaching targeted waterbodies each year.	\$ 210,000	\$ -	70.5	Protection	
75	C19-1901	City of East Grand Forks Windbreak Project	Polk, West SWCD	Polk	The City of East Grand Forks and West Polk SWCD are seeking funding for the installation of a 3,120 linear feet, multi-row field windbreak along the north side of a drainage ditch. This drainage ditch is adjacent to 160 acres of agricultural land exposed to north prevailing winds producing wind erosion year around. This project will stabilize the ditch banks, reduce sediment and phosphorus accumulation in the surface water by reducing phosphorus by 58 pounds per year.	\$ 91,600	\$ -	68.2	Restoration	X

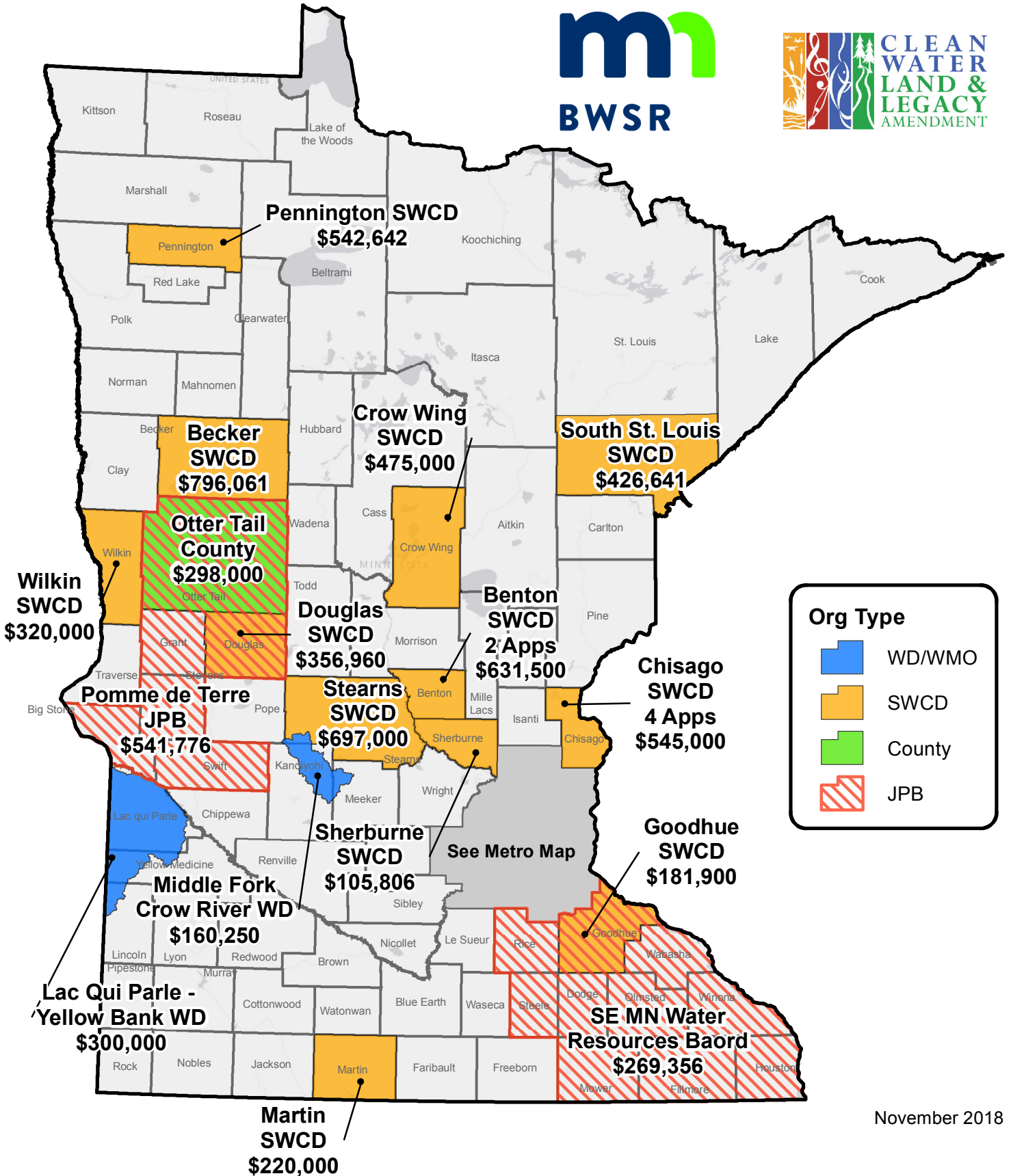
#	Grant ID	Name	LGU	County	Abstract	State Request	Recommended (\$11,685,070)	Score	Restoration or Protection	Drinking Water Benefits*
76	C19-2064	Judicial Ditch #3 Sediment Control	Two Rivers WD	Kittson; Marshall	Judicial Ditch 3 is a 5 mile long ditch system within the "Lower Red River" HUC. The Two Rivers Watershed District identified an erosion problem coming from adjacent fields and depositing large amounts of sediment into JD 3. This project would install approximately 20 side water inlets that would reduce sediment by 1,247 tons per year and phosphorus by 1,434 pounds per year.	\$ 93,290	\$ -	67.9	Restoration	

*Note: A total of 84 applications for Projects and Practices were received. 76 applications were scored. Seven applications were assessed as low (7 applications) and one was deemed ineligible by BWSR staff.*

\*Projects are located within a Well-head Protection Area or Drinking Water Supply Management Area

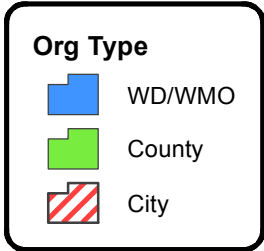
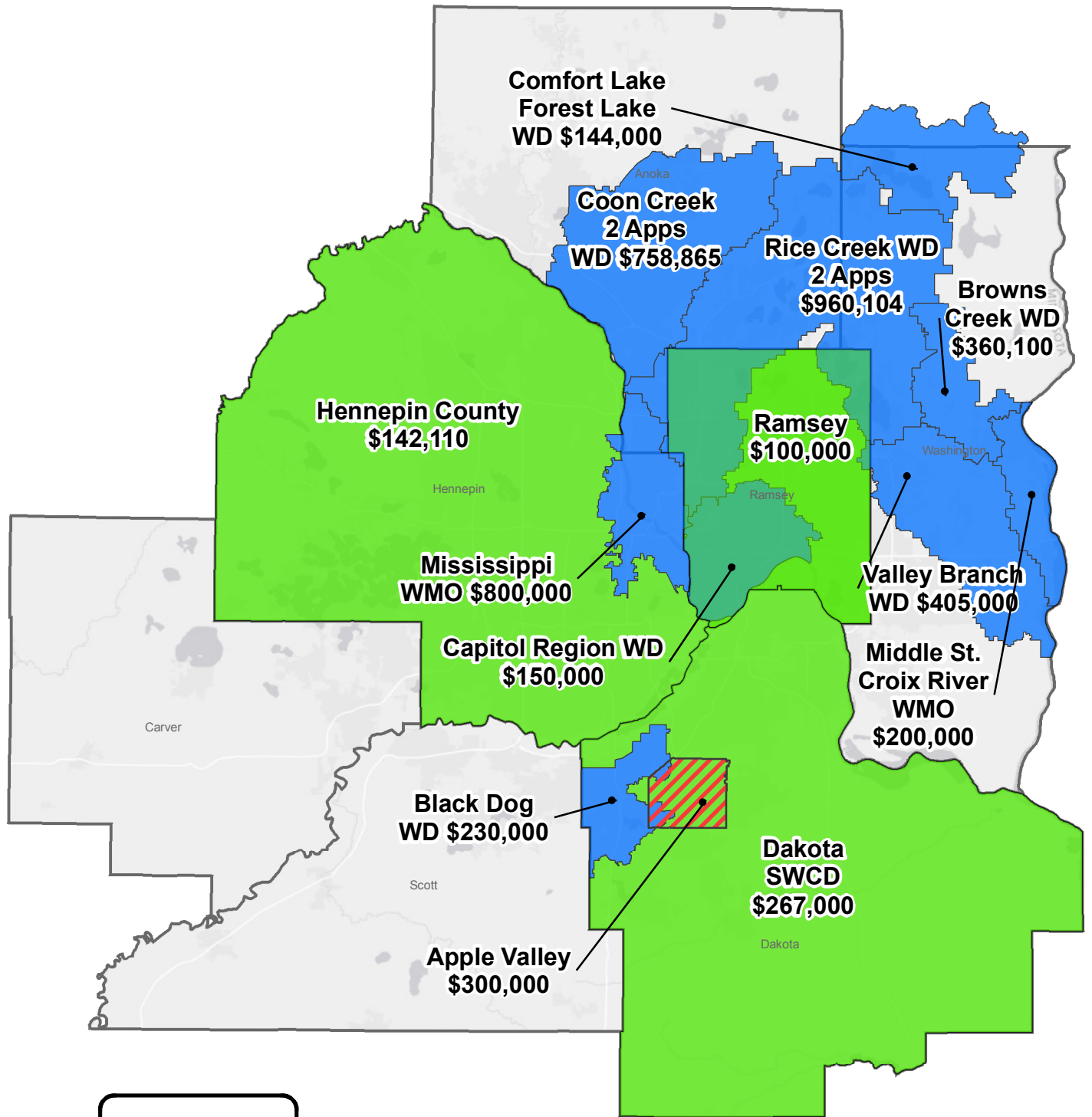
# FY 2019 Clean Water Fund

*Projects and Practices Recommended Funding*  
**Total Outstate Recommended Funding: \$6,867,892**  
**Total Metro Recommended Funding: \$4,817,179**



# FY 2019 Clean Water Fund

*Projects and Practices Recommended Funding*  
**Total Outstate Recommended Funding: \$6,867,892**  
**Total Metro Recommended Funding: \$4,817,179**

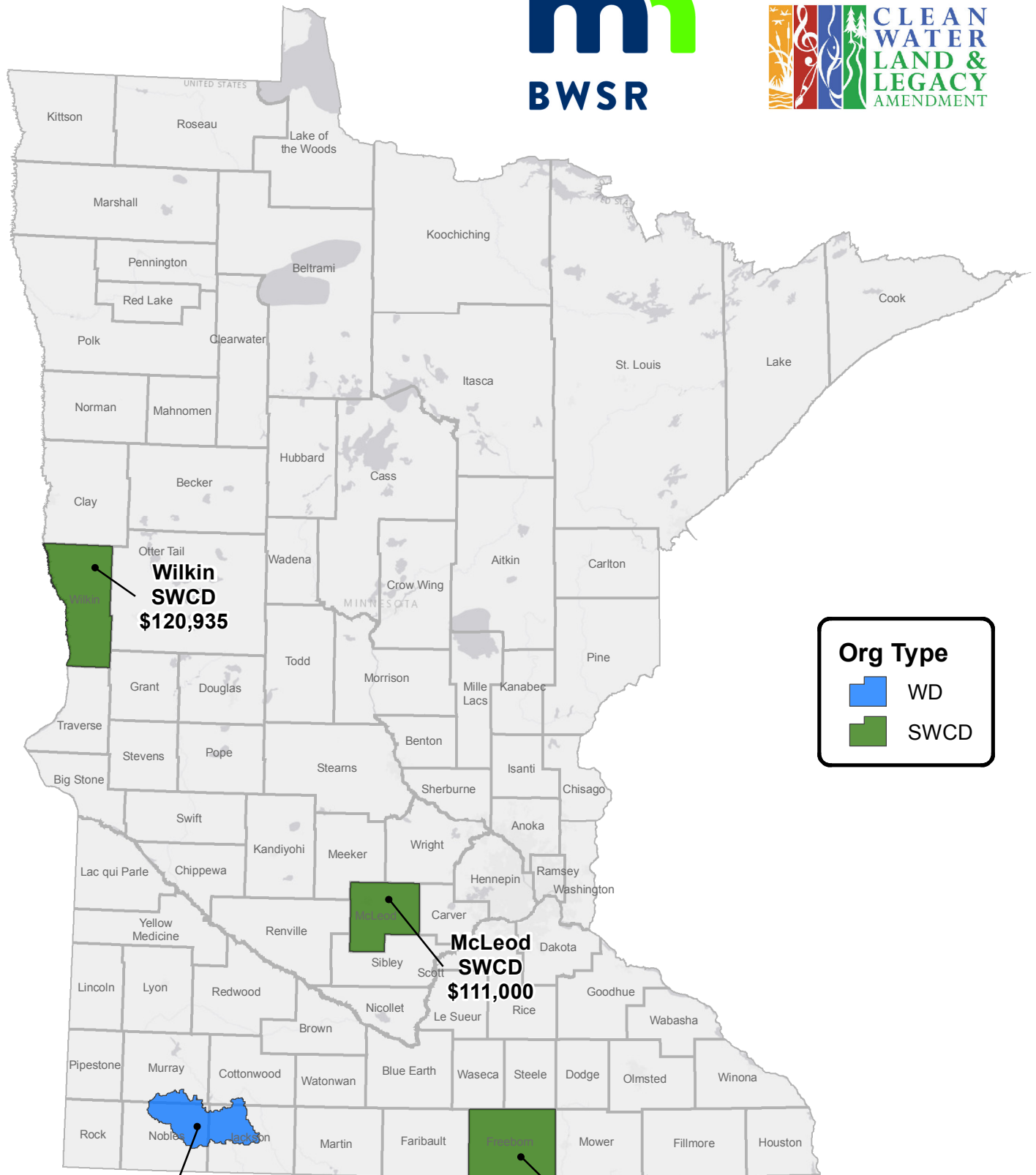


ID #	Name	LGU	County	Abstract	State Request	Recommended (\$610,000)	Score
C19-1880	McLeod County Drainage Ditch 11 Conservation Implementation	McLeod SWCD	McLeod	Through this project, the function and water quality of County Ditch Number 11 (CD #11) will be improved thus also contributing toward water quality improvements in Winsted Lake. This will be done by implementing 10 grade stabilization structures, 4 water and sediment control basins, and 1 grassed waterway throughout the drainage systems watershed. By completing this project a sediment will be reduced by 108 tons per year, and total phosphorus will be reduced by 124 pounds per year.	\$111,000.00	\$111,000.00	86.5
C19-2122	South Heron Lake TMDL Implementation: Phase 2	Heron Lake WD	Jackson	The purpose of this project is to reduce phosphorus entering South Heron Lake (SHL), which currently does not meet state standards for this water pollutant. Efforts will be focused on Jackson County Judicial Ditch 3 (JD3), which has been petitioned to the HLWD for improvement. JD3 drains 52 percent of the SHL watershed, highlighting its importance in making meaningful progress towards water pollution reduction. The practices include eleven water and sediment control basins and a 10-acre storage and treatment wetland restoration. The practices provide a total phosphorus load reduction of 2,372 pounds annually.	\$61,500.00	\$61,500.00	85.75
C19-1900	2019 – CWF MDM County Ditch 68	Freeborn SWCD	Freeborn	This project will decrease peak flows and associated water quality issues such as sediment and phosphorus on County Ditch 68, Mud Lake, and Fountain Lake. Practices include a 40 acre storage and treatment wetland, two cropped and altered wetland restorations of an acre each, converting 32 acres of cropland to perennial cover, and two grade stabilization structures. Anticipated annual outcomes include approximately 160 acre feet of combined temporary and permanent water storage, 88 pounds reduction of phosphorus transport to surface waters, 45 Tons of reduction of sediment, and 2,044 pounds of reduction of Nitrogen.	\$370,312.00	\$370,312.00	81.75
C19-2515	Wilkin County Ditch 9 & 10 Multipurpose Drainage Management	Wilkin SWCD	Wilkin	A total of 62 Grade Stabilization Structures and 13.5 miles of continuous berms will be constructed and become a permanent part of County Ditches 9 and 10. An additional 100 acres of buffers will be seeded beyond those required by law. Together these practices will reduce peak flows into the county ditches, provide better erosion control, reduce sediment, improve water quality and reduce future drainage system maintenance costs. The project will reduce 595 tons of sediment per year from the CD 9 & 10 watersheds to the Rabbit River. This is 18 percent of the Rabbit River TMDL goal.	\$331,064.00	\$67,188.00	80.75
C19-1580	Greater Blue Earth Basin Alliance Drainage Partnership	Greater Blue Earth River Basin Alliance	Multiple Counties	With these funds, 54 targeted drainage best management practices in the Greater Blue Earth watershed will be installed. This is estimated to prevent 69 Tons of sediment, 84 pounds of Phosphorus and 1820 pounds of Nitrogen from entering surface waters. Using a treatment train approach, practices will slow water flow providing much needed water storage within the drainage systems. These funds will also continue building an extremely successful drainage partnership effort.	\$304,950.00	\$ -	70.5
C19-2024	2019 NRCRWD Agricultural BMP Implementation	North Fork Crow River WD	Multiple Counties	This project will result in pollution reductions in both North Fork Crow River and Rice Lake by implementing agricultural BMPs including 75 alternative inlets, and 15 water quality side inlets, to reduce the nutrients, sediment and volume of water being transported off agricultural fields into surface waters. 1,971 tons of sediment and 319 phosphorus will be reduced.	\$96,718.75	\$ -	70

# FY 2017 Clean Water Fund

## *Multipurpose Drainage Management Grant Recommended Funding*

### *Total Recommended Funding: \$610,000*



**Org Type**

- WD
- SWCD

**Heron Lake WD**  
\$61,500

**Freeborn SWCD**  
\$370,312



**NEW BUSINESS**

1. Metropolitan Council Presentation – Met Council’s History and Role in Water Resources Management and Planning – Kevin Bigalke, Doug Thomas, Sam Paske (Met Council), Judy Sventek (Met Council) – ***INFORMATION ITEM***
2. Red River Watershed Management Board (RRWMB) Update – Rob Sip (RRWMB) – ***INFORMATION ITEM***

**BOARD MEETING AGENDA ITEM**

**AGENDA ITEM TITLE:** Metropolitan Council Presentation – Met. Council’s History and Role in Water Resources Management and Planning  
**Meeting Date:** December 19, 2018  
**Agenda Category:**  Committee Recommendation  New Business  Old Business  
**Item Type:**  Decision  Discussion  Information  
**Section/Region:** Central Region  
**Contact:** Kevin Bigalke  
**Prepared by:** Kevin Bigalke  
**Reviewed by:** \_\_\_\_\_ Committee(s)  
Kevin Bigalke, Doug Thomas, Sam Paske – Met Council, Judy Sventek – Met Council,  
**Presented by:** \_\_\_\_\_  
**Time requested:** 45 minutes

**Audio/Visual Equipment Needed for Agenda Item Presentation**

**Attachments:**  Resolution  Order  Map  Other Supporting Information

**Fiscal/Policy Impact**

- None
- Amended Policy Requested
- New Policy Requested
- Other:
- General Fund Budget
- Capital Budget
- Outdoor Heritage Fund Budget
- Clean Water Fund Budget

**ACTION REQUESTED**

No Action Requested

**LINKS TO ADDITIONAL INFORMATION**

**SUMMARY** (Consider: history, reason for consideration now, alternatives evaluated, basis for recommendation)

BWSR works with the Metropolitan Council to coordinate metro local water management plan review and local watershed management planning as guided by MN Statute Section 103B and MN Rule Chapter 8410. Because of this relationship, Metropolitan Council staff have been invited to give a presentation to the BWSR Board on the history and role of the Metropolitan Council in water resource management and planning in the Twin Cities Metropolitan Area. Kevin Bigalke, BWSR Central Region Manager, will also provide background on the history of water planning in the Twin Cities Metropolitan Area.

# A HISTORY OF WATER FOR A THRIVING REGION

## SIGNIFICANT EVENTS

## BIG SHIFTS

## RESPONSES

1838

- PIGS EYE PARRANT
- POPULATION BOOM
- FIRST HOUSE MINNEAPOLIS



IF YOU ARE ANXIOUS TO COMMIT SUICIDE DRINK PLENTIFULLY OF SWAMP WATER.

CONCERNS ABOUT PUBLIC SANITATION DEVELOP

MN BRO HEALTH: "MISSISSIPPI RIVER A PUBLIC NUISANCE"

1950

HIGHWAYS AND SUBURBS ARE BUILT- RAPID POPULATION GROWTH



DUST BOWL

1960

REGIONAL SPRAWL



SUBURBAN WASTE WATER PLANTS FAILING

1970

RIVERS ON FIRE BEST PRACTICES FAIL NATIONALLY



CHEMICAL HEALTH RISKS IN DRINKING WATER

1980

NEWS SIGNIFICANT RISKS FROM CONTAMINATED GROUNDWATER

NEWS DROUGHT!

NEWS MAYFLY HATCH

NEWS ALGAE BLOOM LAKE PEPIN

FEDERAL FUNDING FOR SEWER SEPARATION AVAILABLE

1990

MINNESOTA WETLANDS DISAPPEARING



MN LEGISLATURE DIRECTS RESPONSE TO 1988 DROUGHT

2000

SAVAGE FEN STATE NATURAL AREA

SAVAGE FEN IMPACTED BY GROUNDWATER WITHDRAWALS

2010

LARGE REGIONAL GROWTH PROJECTIONS

SAC CHALLENGED BY SMALL BUSINESS INTERESTS

WHITE BEAR LITIGATION



WASTEWATER SERVICE EXPANSION

FINALIST FOR 2015 NATURAL RESOURCES AWARD

2016



LAND FOR GRIST MILLS BECOMES MINNEAPOLIS

MINNEAPOLIS BUILDS FIRST COMBINED SEWER DISTRICT FORMED

3M BUILT

MINNEAPOLIS AND ST PAUL WATER WORKS

LOCK AND DAM #1

METRO PLANT OPERATING

FIRST SOIL + WATER CONSERVATION DISTRICT

CONSTRUCTION METRO WASTE WATER PLANT

SUBURBS FIND AFFORDABLE WELL WATER

WASTEWATER TREATMENT DEGRADES

METROPOLITAN COUNCIL FORMED

MN PCA FORMED

METRO SEWER BOARD

EPA FORMS

FEDERAL CLEAN WATER ACT

SEWER AVAILABILITY CHARGE (SAC) CREATED

METRO CITIES FORMS

US SAFE DRINKING WATER ACT

MET COUNCIL WATER QUALITY MANAGEMENT PLAN

MINNESOTA + ST CROIX RIVERS ADDED TO WATER QUALITY MONITORING

MN LAND PLANNING ACT

MET COUNCIL WATER QUALITY MANAGEMENT DEVELOPMENT GUIDE

NURP CREATED BY EPM

LAKE MONITORING BEGINS

INDUSTRIAL PRE-TREATMENT PROGRAM CREATED

METRO SURFACE WATER MNGT. ACT

METRO SURFACE WATER MGMT ACT

METRO ENERGY RECOVERY SYSTEM BUILT

COMBINED SEWER OVERFLOW TASK FORCE

WATER RESOURCES MANAGEMENT DEVELOPMENT

METRO ENERGY RECOVERY SYSTEM

COMBINED SEWER OVERFLOW TASK FORCE

ACCELERATED MSP & S. ST. PAUL COMBINED SEWER

US SAFE DRINKING WATER ACT AMENDED

MN GROUNDWATER PROTECTION ACT

MET COUNCIL STREAM MONITORING BEGINS

METRO AREA SHORT TERM WATER SUPPLY PLAN

NATL POLLUTANT DISCHARGE ELM. SYSTEM (NPDES)

MN WETLAND CONSERVATION ACT

PHASE I STORMWATER 1/1 - 87 FORM

METRO LAND PLANNING ACT REQUIRES COMP PLANS TO INCLUDE WATER PLANNING

SAC TASK FORCE

TWIN CITIES METRO AREA WATER SUPPLY: A PLAN FOR ACTION

METRO PLANT BIO PHOSPHORUS REMOVAL STRIPS

NPDES EXPANDED

GRANT FUNDING FOR NONPOINT SOURCE RUNOFF

SOUTHWEST WATER SUPPLY WORK GROUP

2030 REGIONAL DEV. FRAMEWORK

MCEC SETS WORLD-WIDE STANDARD FOR SUSTAINABLE SOLIDS MANAGEMENT

MET COUNCIL WATER SUPPLY PLANNING

MN VOTERS PASS THE CLEAN WATER LAND AND LEGACY AMENDMENT

BURNSVILLE - SAVAGE QUARRY WATER SOURCE SAVES SAVAGE FEN

FIRST REGIONAL MASTER WATER SUPPLY PLAN

SMALL BUSINESSES ALLOWED TO DEFER SAC PAYMENTS

COMMUNITY TECHNICAL WORK GROUP ADVISES ON MASTER PLAN UPDATE

ONE WATERSHED, ONE PLAN.

EMPIRE PLANT RECOGNIZED AS A ROLE MODEL

SAINTS STADIUM/ TRANSIT RECOGNIZED FOR STORM WATER REUSE

6 ACTIVE SUBREGIONAL WATER SUPPLY GROUPS

THRIVE MSP 2040 ADOPTED BY METROPOLITAN COUNCIL

COMMUNITY TECHNICAL WORK GROUP ADVISES ON MASTER PLAN UPDATE

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## BOARD MEETING AGENDA ITEM

**AGENDA ITEM TITLE:** Red River Watershed Management Board (RRWMB) Update

**Meeting Date:** December 19, 2018

**Agenda Category:**  Committee Recommendation     New Business     Old Business

**Item Type:**  Decision     Discussion     Information

**Section/Region:** \_\_\_\_\_

**Contact:** Hannah Pallmeyer

**Prepared by:** Hannah Pallmeyer

**Reviewed by:** John Jaschke

**Presented by:** Rob Sip, RRWMB Executive Director

**Time requested:** 20 minutes

**Audio/Visual Equipment Needed for Agenda Item Presentation**

**Attachments:**     Resolution     Order     Map     Other Supporting Information

**Fiscal/Policy Impact**

- |   |   |
|---|---|
| <input checked="" type="checkbox"/> None          | <input type="checkbox"/> General Fund Budget          |
| <input type="checkbox"/> Amended Policy Requested | <input type="checkbox"/> Capital Budget               |
| <input type="checkbox"/> New Policy Requested     | <input type="checkbox"/> Outdoor Heritage Fund Budget |
| <input type="checkbox"/> Other:                   | <input type="checkbox"/> Clean Water Fund Budget      |

**ACTION REQUESTED**

None

**LINKS TO ADDITIONAL INFORMATION**

Additional information about the RRWMB can be found on their website: <http://rrwmb.org/>

**SUMMARY** *(Consider: history, reason for consideration now, alternatives evaluated, basis for recommendation)*

Rob Sip, Executive Director, will give an update on the RRWMB. The RRWMB’s jurisdiction and authority encompasses the area managed by the individual watershed districts that have membership on the Board. Seven watershed districts within the Red River Valley form the RRWMB including the Joe River, Two Rivers, Roseau River, Middle-Snake-Tamarac Rivers, Red Lake, Wild Rice, and Bois de Sioux.

The RRWMB was created by an act of the Minnesota legislature in 1976 to provide an organization with a basin-wide perspective concerning flooding. Historically, the activities of the RRWMB have centered on flood control. Previous efforts in dealing with the flooding problem within the Red River Basin consisted of single projects within a localized area, planned with primary regard to local benefits. The RRWMB actively promotes a basin-wide perspective for water management.