



## **Drinking Water Revolving Fund 2017 Intended Use Plan**

### **I. Introduction**

The federal Safe Drinking Water Act Amendments of 1996 authorized the Drinking Water State Revolving Fund program to provide funds to states to finance drinking water projects and activities to protect public health and achieve or maintain compliance with the Safe Drinking Water Act. The Act authorizes the U.S. Environmental Protection Agency to award annual capitalization grants to each state to capitalize a state revolving fund, which the state can use to provide loans and other assistance to public water systems. Each state must provide a state match of at least 20% to receive the federal funds. As part of its capitalization grant application, each state must annually prepare an Intended Use Plan (IUP), which describes the intended uses of available funds.

The Minnesota Legislature established the Drinking Water Revolving Fund (DWRF) under Minnesota Statutes Section 446A.081 to receive federal capitalization grants and state matching funds. The Minnesota Public Facilities Authority (PFA) is responsible for managing the Fund and its assets. The PFA is authorized to prepare the annual IUP based on the Project Priority List prepared by the Minnesota Department of Health (MDH). The PFA is also responsible for the financial administration of the DWRF program, through which the PFA purchases the general obligation bonds of local governments to finance eligible projects, transactions which are commonly referred to as loans. The PFA's responsibilities include reviewing financing applications, setting the financing rates, terms and conditions, and selling revenue bonds to leverage additional funds. In addition to preparing the Project Priority List, the MDH is responsible for reviewing projects to ensure they meet technical and environmental requirements and administering various set-aside activities authorized under the Act.

The 2017 IUP identifies projects and activities the PFA intends to fund from the DWRF in state fiscal year (FY) 2017 (July 1, 2016 to June 30, 2017). To fund these projects and activities, the PFA will use a combination of funds from the 2016 federal capitalization grant, loan repayments and PFA revenue bond proceeds.

At this time the Minnesota Legislature has not appropriated the required state matching funds for the 2017 federal capitalization grant. The 2017 IUP is based on the assumption that the PFA will not receive state matching funds or a federal capitalization grant in FY 2017.

## **II. Project Funding**

### *A. Project Priority List*

The Project Priority List (PPL) prepared by the MDH identifies drinking water projects potentially eligible to receive a DWRf loan over the next five years. Projects are listed in priority order based on a point system established by the MDH in Minnesota Rules parts 4720.9010 to 4720.9040. The 2017 PPL contains 330 projects with a total estimated cost of \$558 million and is attached as an appendix to this IUP.

### *B. Placement on the IUP*

The Intended Use Plan (IUP) identifies projects on the PPL that are eligible to apply for and receive DWRf loans in FY 2017. The IUP is prepared by the PFA in accordance with Minnesota Statutes Section 446A.081, Subdivision 5 and Minnesota Rules Part 7380.0255. For a project to be placed on the IUP, the PFA must receive a written request signed by an official of the municipality (city, township, county, or water district) or other public water system entity that will be the borrower for the loan. The request must include a schedule indicating that the applicant expects the project to receive all necessary approvals and proceed to the point of receiving a DWRf loan within approximately one year from the approval of the 2017 IUP.

Eligibility for placement on the IUP does not guarantee a project will receive a DWRf loan. Minnesota has significant drinking water infrastructure needs and the PFA must balance loan demand and lending capacity by setting a fundable range for projects on the current IUP in order to also preserve lending capacity for future needs. A municipality with a project in the IUP fundable range must complete the loan application process with the PFA and receive project certification from the MDH under the provisions of Minnesota Rules Part 4720.9060 before a DWRf loan can be approved.

An approved IUP remains effective until the following year's IUP is approved. A project listed in the IUP fundable range that does not receive a loan but submits a loan application to the PFA and is certified by the MDH by June 30, 2017 will be carried over in the fundable range on the next IUP.

### *C. Draft IUP and Public Comment*

In January 2016, a notice was sent to all public water systems in the State with information about the DWRf program, including instructions on how to request placement on the PPL and IUP. Based on the requests received, a draft 2017 IUP was presented to the PFA Board on August 26, 2016. The PFA Board approved the fundable range for the 2017 IUP (see paragraph D below) and authorized the draft IUP to be made available for public comment. On August 30, the draft 2017 IUP and public notice was posted on the PFA website and sent to other interested parties that the public comments on the draft 2017 IUP would be accepted through September 23, 2016. The PFA received four comments from local governments requesting that projects be added, or information be updated or corrected on the 2017 IUP. Projects added to the 2017 IUP as a result of comments received are listed below in section D.

*D. IUP Project List*

The 2017 IUP project list is shown as Table 1 on pages 10-14 and is divided into two parts.

Part A lists 36 carryover projects totaling \$85 million in requested DWRF financing. The Part A projects were previously listed in fundable range on the 2016 IUP and qualify as carryover projects on the 2017 IUP because they submitted loan applications to the PFA and were certified for funding by the MDH by June 30, 2016. These projects are eligible to receive DWRF loans in FY 2017 and the PFA will award funding when each project completes the application and bidding process.

Part B lists 109 new 2017 IUP project requests totaling \$204 million in requested financing. Due to the lack of a state appropriation for state matching funds and the resulting uncertainty regarding future state and federal support for the DWRF, the PFA is not able to establish a fundable range for new project requests at this time. If the required state matching funds are appropriated in the future, the 2017 IUP may be amended as described below.

The IUP numbers described above for parts A and B include the following projects that were added, removed or changed as a result of comments received during the IUP comment period.

**Changes To 2017 IUP Based On Comments Received**

Project Name	PPL Rank	PPL Points	Project Description	Requested Amount (\$)	Comment/Action Taken
<i>PART A: 2017 IUP - Fundable Range</i>					
Randall	1	40	Treatment - Remove Nitrate	1,595,200	Project scope & costs clarified during comment period
<i>PART B: 2017 IUP - New Project Requests (not fundable at this time)</i>					
Lowry	246	10	Storage - Demolish Tower	45,000	IUP request rec'd during comment period-added project
Coon Rapids	258	10	Storage - Repl East Tower w/1.5 MG Tower	4,075,000	IUP request rec'd during comment period-added project
Big Lake	262	10	Source - Additional Well #8	1,350,000	IUP request rec'd during comment period-added project
Coon Rapids	263	10	Storage - Baffle Wall in West Reservoir	<u>275,000</u>	IUP request rec'd during comment period-added project
Total Part B				5,745,000	

*E. Possible IUP Amendment*

If the PFA receives an appropriation for state matching funds in FY 2017, the PFA may amend the 2017 IUP to establish a fundable range for new projects based on the IUP requests identified in Table 1, Part B and potential additional projects on the 2017 PPL that meet the requirements below. An IUP amendment will not necessarily include all projects listed in Part B. To be considered for an IUP amendment, a project must have secured all other necessary funding and show that it will be ready to proceed with construction before the 2018 IUP is expected to be approved. Applicants that would like their projects to be considered for an IUP amendment are advised to keep their PFA loan officer informed of the status of their project.

#### *F. Loan Application Requirements and Deadlines*

All carryover projects in Part A have met the loan application submittal deadlines and have submitted plans and specifications to the MDH. If an IUP amendment is approved in the future, new projects in the fundable range will have six months from the amendment approval date to submit a loan application to the PFA and plans and specifications to the MDH.

#### *G. Loan Terms and Conditions*

Terms and conditions for DWRP loans are determined pursuant to Minnesota Statutes Section 446A.081 and Minnesota Rules Part 7380.0265. Construction loans are not awarded until as-bid construction costs are submitted to the PFA. Interest rates are set at the time a loan is made according to Minnesota Rules Part 7380.0272. Interest rates are based on the greater of the current bond market rates for tax-exempt municipal bonds as determined by a daily index, or the bond yield scale of the PFA's bonds, if PFA bond proceeds are available. For loan awards made after the 2017 IUP is approved, the PFA has set a base discount of 1.5% that will be applied to the appropriate bond yield scale for loans up to \$20 million. The base discount for loans over \$20 million will be reduced by 1.25 basis points (.0125%) for each \$1 million over \$20 million. Additional discounts up to 2.5% may be applied to borrowers under 2,500 population as described in Minnesota Rules Part 7380.0272, Subpart 3B. The minimum interest rate under PFA rules is 1 percent. The interest on each loan includes a service fee collected by the PFA under Minnesota Statutes Section 446A.04, Subdivision 5.

#### *H. Principal Forgiveness*

The PFA received the 2016 federal drinking water capitalization grant in June 2016. The 2016 federal grant is \$14,875,000 and requires that a portion of the funds, up to 20% (\$2,975,000), be used to provide additional subsidization to eligible projects. The PFA will provide additional subsidization to eligible projects in the form of principal forgiveness grants, meaning a specific dollar reduction in the amount of loan principal that must be repaid, which is granted at the time a DWRP financing agreement is awarded. Minnesota Statutes, Section 446A.081, Subdivision 9 authorizes the PFA to provide principal forgiveness to the extent permitted under federal law.

Principal forgiveness funds will be used to address affordability needs based on criteria specified in Minnesota Statutes, Section 446A.081, Subdivision 9 (b), which states that principal forgiveness may be provided for projects to address financial needs when the average annual residential drinking water system cost would otherwise exceed 1.2 percent of the median household income (MHI) of the project service area. The amount of principal forgiveness is limited to 80 percent of the system costs over 1.2% of MHI, to a maximum of 4,000,000 or \$15,000 per connection, whichever is less, and not to exceed 80 percent of the total project cost.

The PFA intends to use the \$2.9 million available from the 2016 federal grant along with remaining funds available from the 2015 federal grant (\$1,866,389) to provide principal forgiveness grants to address affordability needs for eligible carryover projects from the 2016 IUP as show below.

**Principal Forgiveness Grants for Projects on the 2017 IUP**

2017 PPL			Total DWRP	DWRP	
Rank	Borrower	Project	Project	Principal Forgiveness	DWRP Loan
6	Lowry	Treatment - New Plant - Remove As	\$ 1,802,799	\$ 563,760	\$ 1,239,039
56	Breckenridge	Treatment - New Lime Softening Plant	\$ 13,584,000	\$ 4,000,000	\$ 9,584,000
91	Blackduck	Watermain - Rep1 Summit Ave & Main St. N	\$ 746,463	\$ 277,629	\$ 468,834
Total			\$ 16,133,262	\$ 4,841,389	\$ 11,291,873
Available Balance				\$	-

**III. Summary of FY 2016 Project Activity**

A total of 27 municipal drinking water projects on the 2016 PPL totaling \$49.6 million were funded in FY 2016 through the coordinated efforts of the PFA, USDA Rural Development, Iron Range Resources Rehabilitation Board, MN Business Development Public Infrastructure Program, MDH Clean Water Legacy and the Small Cities Development Program.

**Drinking Water Projects Funded In FY 2016**

Project Name	PPL Points	Project Description	Project Cost (\$)	DWSRF Loan (\$)	DWSRF PF (\$)	Other Funding (\$)	Other Source
Annandale	12	Watermain - Looping	60,674	60,674	-	-	
Annandale	10	Watermain - Replace	868,431	868,431	-	-	
Atwater	5	Watermain - Replace South	1,007,005	1,007,005	-	-	
Carlos	8	Source - Two New Wells	123,165	123,165	-	-	
Carlos	7	Treatment - New Fe/Mn Plant	1,406,514	1,406,514	-	-	
Carlos	5	Watermain - Rep1 Victoria/Main/5th St.	773,907	773,907	-	-	
Crosby	10	Watermain - Replace Various Blocks	1,178,952	1,053,952	-	125,000	IRRRB
Eagle Bend	10	Watermain - Phase 1 Replacement	429,970	429,970	-	-	
Freeborn	43	Watermain - Connection to Hartland	885,689	161,700	646,800	77,189	RD
Harmony	12	Source - New Well #3	1,220,800	857,100	-	363,700	BDPI, City
Hitterdal	12	Treatment - Plant Rehab	394,370	170,762	223,608	-	
Lanesboro	33	Treatment - Ph 2 - Well 4, TP for Radium	828,875	165,775	663,100	-	
Lewiston	25	Source - New Blending Well for Radium	948,259	936,331	-	11,928	MDH CWL
Littlefork	10	Watermain - Replace on 6th Ave	286,600	60,600	-	226,000	RD
Littlefork	10	Treatment - Water Plant Improvements	270,150	270,150	-	-	
Mankato	10	Conservation - Water Sustainability Imp.	1,458,265	1,458,265	-	-	
Menahga	12	Treatment - Plant Rehab	1,654,100	330,820	1,323,280	-	
Minnetrista	7	Treatment - Two Plants	9,074,697	9,074,697	-	-	
Moorhead	10	Watermain - 2015 Downtown CIMS Rep1	2,640,893	2,640,893	-	-	
New York Mills	10	Watermain - 2015 Improvements	1,373,065	1,373,065	-	-	
Pelican Rapids	12	Treatment - Rep1. Filter, Plant Rehab	896,136	642,071	-	254,065	BDPI
Perham	10	Watermain - 2nd Ave SW Replacement	1,082,233	1,082,233	-	-	
Saint Cloud	10	Treatment - Flow Train III	11,732,105	11,732,105	-	-	
Two Harbors	10	Treatment - Plant Rehab	4,741,091	4,741,091	-	-	
Vernon Center	10	Watermain - Rep1 Main & Hilltop Streets	536,325	536,325	-	-	
Vernon Center	10	Conservation - Replace Meters	74,996	74,996	-	-	
Wadena	10	Watermain - Replace SE Portion of City	3,718,290	3,718,290	-	-	
27		Projects	49,665,557	45,750,887	2,856,788	1,057,882	

BDPI = MN Business Development Public Infrastructure (DEED)

DWSRF = Drinking Water Revolving Fund loan (PFA)

DWSRF PF = Drinking Water Revolving Fund Principal Forgiveness (PFA)

IRRRB = Iron Range Resources Rehabilitation Board

MDH CWL = MN Dept of Health Clean Water Legacy Well Sealing Grant

RD = USDA Rural Development

#### **IV. Financial Status of the DWRF**

Table 2 (page 15) shows the sources and uses of funds in the DWRF for FY 2016, the total amounts from FY 1998 through FY 2016, and the estimated amounts for FY 2017.

The PFA has developed a financial model to estimate the average annual lending capacity of the DWRF based on the current assets in the Fund and reasonably expected future federal and state funds. Based on that model, the PFA currently estimates the average DWRF lending capacity to be approximately \$39 million per year in perpetuity, assuming no new state or federal funds are received. In most years, the PFA has used its reserves and bonding authority to make loans at higher levels based on strong demand.

Given the uncertainty of future state and federal support, at this time the 2017 IUP fundable range only includes the 36 carryover projects totaling \$85 million in Part A of Table 1. The PFA will fund these carryover projects when they are ready to proceed. While the amount is higher than the sustainable lending capacity of the Fund, it is within a manageable level that the Fund can support in the short term. In the long term however, without continued federal and state support for the program, funding projects beyond the Fund's average lending capacity will decrease its future lending capacity.

#### **V. Set-Asides**

In addition to financing drinking water projects, the federal Safe Drinking Water Act permits states to set-aside a percentage of capitalization grant funds for certain non-project activities, up to a maximum of 31%. States that take less than the maximum allowed amounts may choose to "bank" some set-asides to potentially take later from future capitalization grants, thereby maximizing the federal funds used for project loans in the short-term while preserving the ability to take a higher level of set-asides from future grants for needed set-aside activities.

The MDH has requested that the PFA reserve 22% of the 2017 capitalization grant for set-aside activities. MDH has also requested \$2,000,000 of banked set-aside funds to increase funding available for Public Water Supply Supervision (PWSS) for community field staff. The table below shows the set-aside percentages to be reserved from the 2017 federal grant and the amounts previously banked.

Congress has not yet appropriated funds for 2017 capitalization grants and the Minnesota Legislature has not appropriated the required state match. The percentages noted below identify what will be taken from the 2017 capitalization grant when available.

<b>DWRF Set-Asides</b>				
Set-Aside	Amounts Previously Banked From Prior Cap Grants	Planned 2017 Set- Aside From Banked Funds	Planned Set-Aside Percentage From 2017 Cap Grant	Maximum Percentage Allowed From Each Grant
DWRF Program Administration	\$ 1,049,260	-	0%	4%
Technical Assistance to Small Systems	\$ 424,630	-	2%	2%
Public Water Supply Supervision (PWSS)	\$ 2,959,005	2,000,000	10%	<i>up to</i>
Capacity Development	\$ -	-	0%	<i>10%</i>
Water Operator Certification	\$ 287,515	-	0%	<i>for these categories</i>
Wellhead Protection	\$ -	-	10%	15%
	\$ 4,720,410	2,000,000	22%	31%

**VI. Environmental and Public Health Benefits**

At a minimum, the PFA expects to achieve the following outputs and outcomes through the projects described in the 2017 Intended Use Plan.

1. **Output:** The PFA expects to fund approximately 7 projects to construct or rehabilitate drinking water treatment facilities. The total amount of the DWRF financing is expected to be approximately \$44.6 million.  
**Outcome:** These projects will result in better drinking water for the residents of these communities and, upon completion of the projects, facilities that meet all applicable permits and SDWA requirements.
  
2. **Output:** The PFA expects to fund approximately 4 projects to construct new or replace drinking water wells. The total amount of the DWRF financing is expected to be approximately \$1.6 million.  
**Outcome:** These projects will result in better and more reliable drinking water for the residents of these communities and, upon completion of the projects, facilities that meet all applicable permits and SDWA requirements.
  
3. **Output:** The PFA expects to fund approximately 17 projects to construct or rehabilitate drinking water transmission and distribution systems. The total amount of the DWRF financing is expected to be approximately \$14.3 million.  
**Outcome:** These projects will result in better and more reliable drinking water for the residents of these communities.
  
4. **Output:** The PFA expects to fund approximately 5 projects to construct or rehabilitate drinking water storage facilities. The total amount of the DWRF financing is expected to be approximately \$6.6 million.  
**Outcome:** These projects will result in more reliable drinking water for the residents of these communities.
  
5. **Output:** The PFA expects to fund approximately 3 project to install water meters or other water sustainability improvements. The total amount of these DWRF financing is expected

to be approximately \$16.54 million.

**Outcome:** These projects will help limit water loss and improve water conservation in these communities.

## **VII. Drinking Water Revolving Fund Goals**

The primary objective of the DWRF is to provide loans to public water suppliers. The descending order of loan priority is to: 1) resolve infrastructure problems that pose the most serious risk to public health, 2) bring systems into compliance with drinking water requirements, and 3) assist systems in most financial need. A lower program priority is to provide suppliers with proactive assistance and support so they can operate their systems more effectively and appropriately. This assistance is accomplished through the set-aside activities of operator certification, technical assistance to small systems, capacity development, and wellhead protection. The lowest program priority is to provide loan assistance to maintain systems in a sound condition and in compliance with public water supply standards.

### *Program Goals:*

A. Provide financial and other assistance (including the set-aside activities) to public water supply systems in order to protect the public health and achieve and maintain compliance with the Safe Drinking Water Act, while following sound lending practices.

B. Leverage funds as appropriate by selling PFA revenue bonds in order to finance as many projects as possible while maintaining sufficient cash flows to meet future project financing needs at a consistent level.

C. Manage the assets of the Fund in perpetuity so that it is a permanent resource to assist public water systems in the State.

### *Set-Aside Goals:*

D. Public Water System Program Administration. Maintain an up-to-date, statewide public water system program that consists of providing technical expertise, establishing standards, monitoring, education, enforcement, and public information.

E. Technical Assistance to Small Systems. Provide personal, non-regulatory technical assistance to water supply operators so they can effectively manage the complexities of the systems they operate, and for operators whose systems utilize groundwater, to also identify and manage potential sources of contamination.

F. Wellhead Protection. To implement Minnesota's EPA approved wellhead protection program in order to effectively manage potential contaminant sources in the areas that contribute water to wells.

## **VIII. Cross-Collateralization**

As permitted by Congress in legislation approved in 1997, the PFA has cross-collateralized the bonds sold for the DWRF and the Clean Water Revolving Fund. The purpose is to enhance the security of bonds sold for both programs, thereby improving the credit rating and reducing the interest rate on the bonds. This will allow the PFA to pass on the best possible interest rates to its borrowers. The revenues from loan repayments in each program are pledged to the bonds for that program and remain in each respective bond fund to the extent required in the bond indenture.



After the revenues in each program have been used to make the PFA's debt service payments on the bonds and meet all other payment and coverage requirements under the bond indenture, funds in excess of these requirements may be held as surplus funds. These surplus funds from one program can then be used to cover a default in the other program.

Given the coverage requirements the PFA must meet for its bonds, the general obligation pledges provided by the borrowers, and the financial management practices of the PFA (as reflected by the AAA rating of its bonds), it is very unlikely that a default would occur. The cross-collateralization of the two programs will, however, provide even more assurance to the bondholders and enhance the financial strength of the programs.

## **IX. Tables and Appendix**

Table 1: 2017 Intended Use Plan Project List (pages 10-14)

Table 2: Sources and Uses of Funds (page 15)

Appendix: Minnesota Department of Health 2017 Project Priority List

## **X. Websites for Further Information**

Minnesota Public Facilities Authority:

[www.mn.gov/deed/pfa](http://www.mn.gov/deed/pfa)

Minnesota Department of Health:

[www.health.state.mn.us/divs/eh/water/dwrf/index.html](http://www.health.state.mn.us/divs/eh/water/dwrf/index.html)

## **XI. Questions and Comments**

Questions or comments regarding the 2017 IUP should be directed to:

Becky Sabie, Program Coordinator  
Minnesota Public Facilities Authority  
1<sup>st</sup> National Bank Building, Suite W820  
332 Minnesota Street  
Saint Paul, Minnesota 55101-1378  
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DWRF 2017 Intended Use Plan  
Table 1. Project List

APPROVED 09/30/16

System Name	MDH 2017 PPL Rank	MDH 2017 PPL Points	Project Description	Project Number	Population	Est. Const Start	Estimated Project Cost (\$)	Requested / Estimated DWRF Financing (\$)
<b>PART A: Carryover Projects From 2016 IUP</b>								
Randall	1	40	Treatment - Remove Nitrate	1490005-1	650	Aug-16	1,595,200	1,595,200
Lowry	6	30	Treatment - New Plant - Remove As	1610007-3	257	May-16	1,802,799	1,802,799
Stockton	8	25	Source - New Low Radium Well	1850020-5	365	Aug-16	673,835	673,835
Nicollet	18	15	Source - Replace Well No. 1	1520004-8	1,111	Jun-16	127,885	127,885
Comfrey	21	13	Storage - Tower Rehab/Seal Well	1080001-8	382	Jul-16	241,701	241,701
Morris	39	12	Treatment - New Softening Plant	1750005-2	5,205	May-16	19,526,530	16,526,530
Breckenridge	56	12	Treatment - Lime Softening Plant	1840002-1	3,559	Apr-17	13,584,000	13,584,000
Comfrey	58	12	Treatment - Repl Media + Improvements	1080001-3	382	Jul-16	620,149	620,149
Nicollet	61	12	Treatment - Replace Fe/Mn Plant	1520004-7	1,111	Jun-16	1,865,565	1,865,565
Stewart	62	12	Watermain - Looping	1430009-6	564	Jun-16	311,021	311,021
Saint Cloud	68	11	Storage - New 1.5MG South Elevated Tank	1730027-6	66,169	May-16	4,643,022	4,698,363
Blackduck	91	10	Watermain - Repl Summit Ave & Main St. N	1040014-1	785	May-16	746,463	338,335
Frazer	144	10	Watermain - Replace Cast Iron Mains	1030014-1	1,374	May-16	676,710	676,710
Walker	151	10	Watermain - Repl for Michigan Ave	1110013-5	1,186	May-16	574,031	574,031
Walker	152	10	Watermain - Replace on South Side	1110013-6	1,186	May-16	1,339,405	1,339,405
Eveleth	168	10	Storage - Recondition West Water Tower	1690018-6	3,865	Jun-15	673,149	473,149
Elbow Lake	172	10	Watermain - Replace for Division St.	1260003-2	1,275	Jun-17	665,000	665,000
Pipestone	175	10	Watermain - Replace TH30	1590005-4	4,317	Oct-15	574,493	574,493
Saint James	178	10	Watermain - Repl TH 4	1830006-6	4,611	May-16	2,900,000	2,900,000
Heron Lake	179	10	Other - Connect to Red Rock Rural Water	1320002-2	698	Apr-16	1,580,769	1,580,769
Greenbush	194	10	Watermain - Repl Along Hwy 7	1680002-5	719	Jun-16	590,904	590,904
Greenbush	195	10	Watermain - Relocation Along Hwy 32	1680002-6	719	Jun-17	155,000	155,000
New London	204	10	Watermain - Repl Various Blocks	1340005-2	1,251	Jun-16	590,000	575,900
Sherburn	205	10	Treatment - Replace Fe/Mn Plant	1460007-1	1,115	May-16	3,599,140	3,599,140
Sherburn	206	10	Storage - Tower Rehab	1460007-2	1,115	May-16	422,133	422,133
Warren	222	10	Watermain - Northwest Area Repl	1450012-4	1,567	May-16	743,477	743,477
Saint Paul RWS	239	10	Other - Repl McCarrons Elec. Equipment	1620026-18	422,660	Jul-16	7,564,417	7,536,000
Lowry	245	10	Storage - New 50,000 Gallon Tower	1610007-4	257	May-16	675,583	675,583
Stewart	249	10	Watermain - Replacement	1430009-5	564	Jun-16	1,123,799	1,123,799
Burnsville	260	10	Conservation - Replace Meters	1190002-1	61,262	Jun-16	7,388,970	7,400,000

DWRF 2017 Intended Use Plan  
Table 1. Project List

APPROVED 09/30/16

System Name	MDH 2017 PPL Rank	MDH 2017 PPL Points	Project Description	Project Number	Population	Est. Const Start	Estimated Project Cost (\$)	Requested / Estimated DWRF Financing (\$)
Bird Island	271	7	Watermain - SE Loop to Plant	1650001-3	1,042	May-15	444,000	444,000
Madison Lake	278	7	Watermain - Repl 4th & 5th, Loop 227th	1070007-6	935	Apr-16	831,416	831,417
Glyndon	281	7	Watermain - Looping Two Areas	1140005-5	1,393	Jun-16	535,000	535,000
Rice Lake	285	7	Watermain - East Calvary Road Loop	1690049-1	650	Nov-16	2,908,538	1,740,538
Cologne	290	7	Treatment - New Plant, Remove Fe/Mn	1100004-4	1,519	Jun-16	7,378,500	7,378,500
Cologne	291	7	Source - New Well	1100004-5	1,519	Jun-16	337,123	337,123
<b>PART B: New Project Requests (not fundable at this time)</b>								
Tower	2	30	Treatment - Plant Improvements	1690051-2	500	May-17	2,460,000	2,460,000
Winger	3	30	Treatment - Remove Fe/As and Wells	1600013-2	220	Jun-17	1,231,000	1,231,000
Pipestone	4	30	Treatment - New Plant - Gross Alpha/Rad	1590005-3	4,317	May-17	15,373,350	15,373,350
Houston	5	30	Treatment - Radium Removal	1280005-2	980	Jun-17	2,600,000	2,600,000
Carlton	11	17.5	Watermain - Extension to High As Wells	1090003-5	987	Jul-17	7,336,821	7,336,821
Oronoco	12	15.5	New System - Phase 2	1550036-3	600	Dec-16	300,000	300,000
Albert Lea	13	15	Watermain - Consolidate Stables Area	1240001-1	18,356	Jul-17	1,254,000	1,254,000
Alden	17	15	Treatment - Repl Fe/Mn Plant & Well	1240004-2	661	May-17	1,935,000	1,935,000
Easton	20	13	Watermain - Connect to Wells	1220005-5	199	Jun-17	1,690,000	1,690,000
Minnesota Lake	22	13	Watermain - Connect to Wells	1220013-1	683	Jun-17	1,560,000	1,560,000
Montrose	23	13	Source - New Well & Wellhouse	1860016-4	2,498	May-17	956,250	956,250
Onamia	24	12	Treatment - New Plant	1480003-4	875	Jun-17	2,954,000	2,954,000
Onamia	25	12	Watermain - Looping	1480003-5	875	Jun-17	396,966	396,966
Deer River	26	12	Treatment - Wellhouse Rehab	1310007-4	903	May-17	476,000	476,000
Twin Valley	27	12	Treatment - Plant Rehab	1540008-2	900	Jun-17	690,000	690,000
Kerkhoven	28	12	Treatment - Remove Fe/Mn	1760006-1	759	May-17	1,950,000	1,950,000
Bigfork	31	12	Source - New Well & Plant Rehab	1310001-6	443	Nov-16	129,489	129,489
Pelican Rapids	33	12	Watermain - Replace & Loop - Phase 2	1560019-4	2,374	Jun-17	1,904,263	1,904,263
Winthrop	37	12	Watermain - Replace 8th Street & Loop	1720008-2	1,399	Apr-17	524,704	524,704
Wells	38	12	Treatment - Lime Softening Plant	1220010-2	2,307	Jun-17	12,000,000	12,000,000
Perham	40	12	Watermain - Repl & Loop 3rd St NE	1560023-7	3,000	Jun-17	2,302,000	2,302,000
Greenbush	45	12	Watermain - Repl Area 3 - Old Ridge Rd.	1680002-9	719	Jun-17	456,306	456,306
Gary	46	12	Source - Two New Wells	1540010-1	204	May-17	290,400	290,400
Gary	47	12	Treatment - Remove Fe/Mn	1540010-2	204	May-17	886,380	886,380

DWRF 2017 Intended Use Plan  
Table 1. Project List

APPROVED 09/30/16

System Name	MDH 2017 PPL Rank	MDH 2017 PPL Points	Project Description	Project Number	Population	Est. Const Start	Estimated Project Cost (\$)	Requested / Estimated DWRF Financing (\$)
Gary	48	12	Watermain - Looping	1540010-4	204	May-17	146,916	146,916
Wheaton	49	12	Treatment - Plant Rehab	1780004-3	1,424	Jun-17	1,212,000	1,212,000
Morgan	50	12	Treatment - Remove Fe/Mn & New Wells	1640006-3	896	Jun-17	2,125,000	1,900,000
Kandiyohi	51	12	Treatment - New Fe/Mn Plant & Wells	1340003-3	491	Jun-17	2,084,000	2,084,000
Kandiyohi	52	12	Watermain - Looping	1340003-5	491	Jun-17	201,600	201,600
LeRoy	53	12	Source - Backup Well	1500009-1	900	Mar-17	752,482	752,482
Mountain Iron	54	12	Source - New Well	1690035-3	2,869	Jul-17	539,000	314,000
Evansville	66	11	Storage - Replace Storage Tank	1210013-9	612	Jun-17	887,513	887,513
Gary	71	11	Storage - New 50,000 Gal Tower	1540010-3	204	May-17	831,600	831,600
Kandiyohi	72	11	Storage - Repl Tower w/75,000 Gal Tower	1340003-4	491	Jun-17	638,000	638,000
Onamia	74	10	Storage - Tower Rehab	1480003-6	875	Jun-17	315,000	315,000
Eagle Bend	81	10	Watermain - Phase 2 Replacement	1770004-4	613	Jun-17	865,000	865,000
Eagle Bend	82	10	Watermain - Phase 3 Replacement	1770004-5	613	Jun-17	485,000	485,000
Evansville	84	10	Treatment - Plant Rehab	1210013-8	612	Jun-17	1,476,773	1,476,773
Canby	87	10	Watermain - Replacement, Phase 2	1870001-4	1,903	Jun-17	2,099,389	2,099,389
Canby	88	10	Watermain - Replacement, Phase 3	1870001-5	1,903	Jun-17	2,782,911	2,782,911
Crosby	89	10	Watermain - Phase 2 Improvements	1180008-7	2,312	May-17	750,000	750,000
Pine River	98	10	Source - Replace Wellhouses 1 & 2	1110019-4	944	May-17	860,000	860,000
Pine River	99	10	Storage - Rehab Towers 1 & 2	1110019-5	944	May-17	785,000	785,000
Aitkin	111	10	Watermain - Loop & Replace	1010001-7	1,984	Jun-16	413,600	413,600
Mahnomen	119	10	Other - Backup Generators	1440002-10	1,222	Jun-17	220,500	220,500
Mahnomen	120	10	Watermain - Replace Various Areas	1440002-8	1,222	Jun-17	3,518,545	3,518,545
Mahnomen	121	10	Source - Upgrade Well #4	1440002-9	1,222	Jun-17	208,000	208,000
Winger	122	10	Storage - Replace 50,000 Gal Tower	1600013-3	220	Jun-17	831,000	831,000
Pelican Rapids	124	10	Storage - Recoat Water Tower	1560019-3	2,374	May-17	500,000	500,000
Pelican Rapids	125	10	Watermain - Repl Various Street	1560019-6	2,476	Jun-17	667,600	667,600
Badger	133	10	Watermain - Repl Area 1	1680001-4	369	Jun-17	836,000	836,000
Badger	134	10	Watermain - Repl Area 2	1680001-5	369	Jun-17	667,000	667,000
Little Falls	147	10	Treatment - Phase 1- Filter Rehab	1490002-5	8,797	Nov-16	1,400,000	1,400,000
Little Falls	148	10	Treatment - Phase 2 - Reclaim Tank Rehab	1490002-6	8,797	May-17	1,300,000	1,300,000
Little Falls	149	10	Treatment - Phase 3 - Plant Rehab	1490002-7	8,797	May-17	280,500	280,500

**DWRF 2017 Intended Use Plan**  
**Table 1. Project List**

APPROVED 09/30/16

System Name	MDH 2017 PPL Rank	MDH 2017 PPL Points	Project Description	Project Number	Population	Est. Const Start	Estimated Project Cost (\$)	Requested / Estimated DWRF Financing (\$)
Welcome	160	10	Storage - Repl w/150,000 Gal Tower	1460011-2	673	Jun-17	1,157,700	1,157,700
Starbuck	162	10	Watermain - Repl Cast Iron Mains	1610008-2	1,274	May-17	235,400	235,400
Easton	164	10	Conservation - Replace Meters	1220005-6	199	Jun-17	45,100	45,100
Eveleth	170	10	Storage - 750,000 Gal Tower Rehab	1690018-8	3,770	Jun-17	1,312,172	1,312,172
Winnebago	171	10	Watermain - Repl Cast Iron Mains	1220011-2	1,437	May-17	2,087,000	2,087,000
Elbow Lake	173	10	Treatment - Rehabilitate Plant	1260003-5	1,275	Jun-17	1,000,000	1,000,000
Chisholm	176	10	Watermain - Repl for Lakeview Additions	1690007-2	4,960	Jun-17	1,477,086	1,477,086
Northrop	185	10	Storage - Tower Rehab	1460006-2	227	Jul-17	277,830	277,830
Red Lake Falls	187	10	Watermain - Repl Various Areas	1630003-2	1,429	May-17	1,487,079	1,487,080
Osakis	189	10	Watermain - Replace Various Blocks	1210020-6	1,740	May-17	735,200	735,200
Carlton	191	10	Treatment - Plant Rehab	1090003-4	987	Jul-17	2,000,000	2,000,000
Moose Lake	193	10	Source - Well #1 Rehab, New Well House	1090009-3	1,259	May-17	1,100,000	1,100,000
Greenbush	196	10	Watermain - Repl Area 1 - Main Street	1680002-7	719	Jun-17	889,206	889,206
Greenbush	197	10	Watermain - Repl Area 2 - 5th Street	1680002-8	719	Jun-17	424,033	424,033
Houston	199	10	Watermain - Jackson, Lincoln, Spruce Sts	1280005-4	980	Jun-17	652,500	652,500
Wheaton	200	10	Storage - Recoat Tower, Add Safety Items	1780004-1	1,508	Jun-17	450,000	450,000
Wheaton	201	10	Conservation - Replace Meters	1780004-4	1,424	Jun-17	420,000	420,000
Lakefield	207	10	Treatment - Add RO/Plant Rehab	1320004-3	1,694	May-17	5,126,600	5,126,600
Morgan	208	10	Storage - Tower Rehab	1640006-5	896	Jun-17	407,000	407,000
LeRoy	210	10	Storage - Repl with 120,000 Gallon Tower	1500009-2	900	Mar-17	787,950	787,950
LeRoy	212	10	Treatment - Rehab Filter	1500009-4	900	Mar-17	362,137	362,137
Hitterdal	216	10	Storage - New 50,000 Gallon Tower	1140007-3	201	Jul-17	625,000	625,000
Hitterdal	217	10	Conservation - Install Meters	1140007-4	201	Jul-17	75,000	75,000
Morristown	220	10	Treatment - New Plant, Remove Radium	1660007-1	1,042	May-17	1,254,000	1,254,000
Wykoff	224	10	Watermain - County Road 5	1230013-4	444	Jun-17	297,000	297,000
Alden	234	10	Conservation - Replace Meters	1240004-4	661	May-17	105,000	105,000
Saint Paul RWS	240	10	Treatment - Repl High Service Pump	1620026-20	422,660	Sep-17	700,000	700,000
Waseca	241	10	Watermain - Replace Elm Ave	1810004-2	9,427	Apr-17	2,917,000	2,917,000
Minneapolis	242	10	Treatment - Fridley Plant Rehab	1270024-11	411,273	Jul-16	51,000,000	20,000,000
Minneapolis	243	10	Treatment - Recarb Improvements	1270024-12	411,273	Dec-16	7,030,000	7,030,000
Lowry	246	10	Storage - Demolish Tower	1610007-5	257	Sep-17	45,000	45,000

**DWRF 2017 Intended Use Plan**  
**Table 1. Project List**

APPROVED 09/30/16

System Name	MDH 2017 PPL Rank	MDH 2017 PPL Points	Project Description	Project Number	Population	Est. Const Start	Estimated Project Cost (\$)	Requested / Estimated DWRF Financing (\$)
Winsted	247	10	Storage - Tower Rehab	1430010-4	2,355	May-17	800,000	800,000
Montrose	253	10	Treatment - Remove Fe/Mn	1860016-5	2,498	May-17	7,000,000	7,000,000
Montrose	254	10	Storage - Repl Tower w/100,000 Gal Tower	1860016-6	2,498	May-17	598,500	598,500
Coon Rapids	258	10	Storage - Repl East Tower w/1.5 MG Tower	1020017-1	61,476	May-17	4,075,000	4,075,000
Burnsville	261	10	Treatment - Groundwater Plant Rehab	1190002-2	61,262	Jul-17	5,507,400	5,507,400
Big Lake	262	10	Source - Additional Well #8	1710002-5	9,000	Jun-17	1,350,000	1,350,000
Coon Rapids	263	10	Storage - Baffle Wall in West Reservoir	1020017-2	61,476	May-17	275,000	275,000
Cold Spring	266	8	Source - Replace Wells 4, 5, & 6	1730006-3	4,053	Aug-16	841,000	841,000
Maple Plain	267	8	Source - New Well #4 & Test Well	1270021-4	1,768	Oct-16	585,000	585,000
Hanska	269	7	Watermain - One Loop	1080002-5	419	May-17	405,000	405,000
South Bend Township	270	7	Source - New Well & Transite Main	1070026-5	325	Jun-17	920,300	920,300
Courtland	283	7	Treatment - Rehab Plant & New Well #5	1520001-4	611	May-17	1,660,000	1,660,000
Cold Spring	284	7	Treatment - Nitrate, Fe & Mn Removal	1730006-2	4,053	Aug-16	5,705,000	5,705,000
Waverly	287	7	Treatment - Wellhouse Rehab	1860019-6	997	May-17	340,000	340,000
Randolph	288	7	Source New Well, Rehab Wellhouse	1190025-1	355	May-17	888,000	888,000
Ghent	294	6	Storage - New 50,000 Gal Tower	1420004-1	364	Jun-17	660,000	660,000
Ghent	313	5	Conservation - Replace Meters	1420004-2	364	Jun-17	98,000	98,000
Courtland	315	5	Storage - Replace w/100,000 Gal Tower	1520001-1	579	Mar-17	1,085,000	1,085,000
Cold Spring	316	5	Distribution - Raw Water Line from Wells	1730006-4	4,053	Aug-16	1,771,000	1,771,000
Waverly	318	5	Watermain - Interconnect	1860019-4	997	May-17	1,485,400	1,485,400
Randolph	320	5	Storage - Tower Rehab	1190025-2	355	May-17	375,000	375,000
Carver	327	5	Treatment - New Skid Plant & New Well #5	1100017-6	4,000	Oct-16	2,840,000	2,840,000
Chanhausen	328	5	Treatment - West Fe/Mn Plant	1100001-1	23,179	Nov-16	18,360,000	18,360,000
<b>2017 IUP Summary</b>						<b>Number of Projects</b>	<b>Estimated Project Cost (\$)</b>	<b>Requested Project Financing (\$)</b>
PART A: Carryover Projects From 2016 IUP						36	90,009,727	85,257,454
PART B: New Project Requests (not fundable at this time)						109	236,443,451	204,993,452
Total IUP Requests						145	326,453,178	290,250,906

**DWRF 2017 Intended Use Plan**  
**Table 2. Sources and Uses of Funds**

**APPROVED 09/30/2016**

<u>Sources</u>	<u>FY 2016</u>	<u>Totals, FY 1998-2016</u>	<u>Estimated FY 2017</u>
Capitalization:			
Federal Capitalization Grants <sup>(1)</sup>	14,875,000	354,668,500	-
State Match <sup>(2)</sup>	-	68,908,058	-
capitalization sub-total	14,875,000	423,576,558	-
Revenue Bond Proceeds (net) <sup>(3)</sup>	127,682,394	411,283,595	-
Net Fund Revenues:			
Loan Repayments	39,099,535	368,717,801	41,838,714
Investment Interest	745,805	19,904,298	1,071,531
Federal BABS subsidy	615,902	3,473,465	615,154
Bond Debt Service <sup>(3)</sup>	(19,375,075)	(204,425,698)	(23,201,495)
net revenues sub-total	21,086,167	187,669,866	20,323,903
Total Sources	163,643,561	1,022,530,019	20,323,903
<u>Uses</u>	<u>FY 2016</u>	<u>Totals, FY 1998-2016</u>	<u>Estimated FY 2017</u>
Project Binding Commitments: <sup>(4)</sup>			
Loans	43,275,937	769,348,311	79,228,097
Principal Forgiveness <sup>(5)</sup>	2,850,511	62,493,917	4,883,760
Project binding commitments total	46,126,448	831,842,228	84,111,857
Reserved for Set-Asides: <sup>(6)</sup>			
DWRF Administration	(124,136)	10,803,064	-
Administer PWSS Program	1,487,500	16,006,384	-
Capacity Development	-	3,152	-
Operator Certification Program	-	460,417	-
Tech. Assistance to Small Systems	297,500	5,000,199	-
Source Water Protection	-	2,104,290	-
Wellhead Protection	1,487,500	24,815,067	-
Set-asides total	3,148,364	59,192,574	-
Account balances:			
Debt Service Reserve Requirement per Bond Resolution	(8,631,500)	721,500	8,631,500
Revenue Account and lendable reserves	123,000,248	130,773,717	(72,419,454)
account balances sub-total	114,368,748	131,495,217	(63,787,954)
Total Uses	163,643,561	1,022,530,019	20,323,903

Notes:

- (1) The federal capitalization grant shown in FY 2016 includes the 2016 grant which was received in June 2016. Congress has not yet appropriated funds for 2017.
- (2) State funds in excess of the required match to the cumulative federal grants have already been deposited to the DWRF and expended, or encumbered for eligible projects. The 2016 federal grant funds will be obligated for multiple projects and the State will draw 100% of those funds as eligible costs are incurred for those projects.
- (3) Revenue Bond Proceeds (net), and Bond Debt Service are net of potential refunding activity and debt service reflects a September 2015 CWRP advance to the DWRF for bond calls.
- (4) Binding commitments are recorded when both the PFA and the recipient have signed a project assistance agreement, which is processed after a project has been certified by the MDH and as-bid costs are submitted to the PFA. Actual FY 2016 binding commitments were \$44,803,687. The amount shown is the net amount which includes decreases to prior years' binding commitments and increases to two projects funded prior to
- (5) Additional subsidization provided in the form of principal forgiveness to eligible projects as authorized under federal law and MN Statutes 446A.081, Subdivision 9.
- (6) The FY16 set-aside amounts are based on the following percentages taken from the 2016 federal grant: PWSS - 10%, TA - 2%, Wellhead - 10%. If federal capitalization grants are appropriated in 2017, set-aside funds will be taken at the same percentages along with \$2,000,000 from the PWSS banked set-aside. In addition to the SDRF Administration set-aside, admin expenses are funded from loan service fees collected from the interest portion of loan repayments under Minn. Stat. Sec 446A.04 Subd.5. Service fees are used to pay the administrative costs of the DWSRF. For FY 2017 a total of \$1,081,000 is budgeted for DWRF program administration by the PFA and MDH.

**Minnesota Department of Health  
2017 Project Priority List**

Priority Order: pages 1-6  
Alphabetical Order: pages 7-17





# Minnesota Department of Health

PRIORITY ORDER

## Minnesota Drinking Water Revolving Loan Fund

### 2017 Project Priority List

Rank	System	Project	Project #	Priority Points	PHI	Pop.	Estimated Project Cost
1	Randall	Treatment - Remove Nitrate	1490005-1	40.0	Yes	650	\$1,595,200
2	Tower	Treatment - Plant Improvements	1690051-2	30.0	Yes	500	\$2,460,000
3	Winger	Treatment - Remove Fe/As and Wells	1600013-2	30.0	Yes	220	\$1,231,000
4	Pipestone	Treatment - New Plant - Gross Alpha/Rad	1590005-3	30.0	Yes	4,317	\$15,373,350
5	Houston	Treatment - Radium Removal	1280005-2	30.0	Yes	980	\$2,600,000
6	Lowry	Treatment - New Plant - Remove As	1610007-3	30.0	Yes	257	\$1,802,799
7	Stacy	Treatment - Remove Radium	1130016-3	30.0	Yes	1,357	\$2,200,000
8	Stockton	Source - New Low Radium Well	1850020-5	25.0	Yes	365	\$515,715
9	Lewiston	Source - New Blending Well for Radium	1850006-6	25.0	Yes	1,400	\$948,259
10	Aurora	Consolidation - E Mesabi Joint Water Sys	1690002-6	20.0	No	2,225	\$28,000,000
11	Carlton	Watermain - Extension to High As Wells	1090003-5	17.5	Yes	987	\$7,336,821
12	Oronoco	New System - Phase 2	1550036-3	15.5	Yes	600	\$300,000
13	Albert Lea	Watermain - Consolidate Stables Area	1240001-1	15.0	No	18,356	\$1,254,000
14	Brooten	Source - Replace Wells #1 & #2	1730005-5	15.0	No	647	\$146,500
15	Ostrander	Source - New Well #3, Rehab Well #2	1230008-3	15.0	No	256	\$1,236,900
16	Cuyuna	Source - Repl with Wells #2 & #3/Treat	1180011-4	15.0	No	231	\$459,300
17	Alden	Treatment - Repl Fe/Mn Plant & Well	1240004-2	15.0	No	661	\$1,935,000
18	Nicollet	Source - Replace Well No. 1	1520004-8	15.0	No	1,111	\$127,885
19	Lewisville	Source - Connection to RRRWS	1830003-3	13.0	No	250	\$1,036,550
20	Easton	Watermain - Connect to Wells	1220005-5	13.0	No	199	\$1,690,000
21	Comfrey	Storage - Tower Rehab/Seal Well	1080001-8	13.0	No	382	\$241,701
22	Minnesota Lake	Watermain - Connect to Wells	1220013-1	13.0	No	683	\$1,560,000
23	Montrose	Source - New Well & Wellhouse	1860016-4	13.0	No	2,498	\$956,250
24	Onamia	Treatment - New Plant	1480003-4	12.0	No	875	\$2,954,000
25	Onamia	Watermain - Looping	1480003-5	12.0	No	875	\$396,966
26	Deer River	Treatment - Wellhouse Rehab	1310007-4	12.0	No	903	\$476,000
27	Twin Valley	Treatment - Plant Rehab	1540008-2	12.0	No	900	\$690,000
28	Kerkhoven	Treatment - Remove Fe/Mn	1760006-1	12.0	No	759	\$1,950,000
29	Hanley Falls	Watermain - Replace & Loop Main	1870005-4	12.0	No	304	\$2,699,000
30	Lewisville	Watermain - Looping & Hydrants	1830003-2	12.0	No	250	\$542,040
31	Bigfork	Source - New Well & Plant Rehab	1310001-6	12.0	No	443	\$129,489
32	Round Lake	Treatment - Plant Rehab	1530008-1	12.0	No	411	\$1,024,200
33	Pelican Rapids	Watermain - Replace & Loop - Phase 2	1560019-4	12.0	No	2,374	\$1,904,263
34	Marble	Watermain - Replace and Loop Main	1310023-2	12.0	No	626	\$397,206
35	Cyrus	Treatment - New Plant, Remove Fe/Mn	1610001-1	12.0	No	303	\$750,000
36	Cyrus	Watermain - Replace 1930's Main & Loop	1610001-2	12.0	No	303	\$750,000
37	Winthrop	Watermain - Replace 8th Street & Loop	1720008-2	12.0	No	1,399	\$524,704
38	Wells	Treatment - Lime Softening Plant	1220010-2	12.0	No	2,307	\$12,000,000
39	Morris	Treatment - New Softening Plant	1750005-2	12.0	No	5,205	\$19,526,530
40	Perham	Watermain - Repl & Loop 3rd St NE	1560023-7	12.0	No	3,000	\$2,302,000
41	Jackson	Watermain - New River Crossing	1320003-4	12.0	No	3,354	\$420,000
42	Madison	Treatment - Plant Rehab	1370004-4	12.0	No	1,656	\$1,005,000
43	Garfield	Treatment - New Plant, Remove Fe/Mn	1210021-1	12.0	No	308	\$987,527
44	Garfield	Source - New Well	1210021-2	12.0	No	308	\$121,234
45	Greenbush	Watermain - Repl Area 3 - Old Ridge Rd.	1680002-9	12.0	No	719	\$456,306
46	Gary	Source - Two New Wells	1540010-1	12.0	No	204	\$290,400
47	Gary	Treatment - Remove Fe/Mn	1540010-2	12.0	No	204	\$886,380
48	Gary	Watermain - Looping	1540010-4	12.0	No	204	\$146,916
49	Wheaton	Treatment - Plant Rehab	1780004-3	12.0	No	1,424	\$1,212,000
50	Morgan	Treatment - Remove Fe/Mn & New Wells	1640006-3	12.0	No	896	\$2,125,000
51	Kandiyohi	Treatment - New Fe/Mn Plant & Wells	1340003-3	12.0	No	491	\$2,084,000
52	Kandiyohi	Watermain - Looping	1340003-5	12.0	No	491	\$201,600
53	LeRoy	Source - Backup Well	1500009-1	12.0	No	900	\$752,482
54	Mountain Iron	Source - New Well	1690035-3	12.0	No	2,869	\$539,000
55	Littlefork	Watermain - Replace & Loop Various Areas	1360004-6	12.0	No	645	\$4,014,930
56	Breckenridge	Treatment - Lime Softening Plant	1840002-1	12.0	No	3,559	\$13,584,000
57	Murdock	Treatment - Repl Plant, Remove Fe/Mn	1760007-1	12.0	No	282	\$1,900,000



# Minnesota Department of Health

PRIORITY ORDER

## Minnesota Drinking Water Revolving Loan Fund 2017 Project Priority List

Rank	System	Project	Project #	Priority Points	PHI	Pop.	Estimated Project Cost
58	Comfrey	Treatment - Repl Media + Improvements	1080001-3	12.0	No	382	\$620,149
59	Comfrey	Watermain - Looping	1080001-6	12.0	No	360	\$349,000
60	Bowlus	Source - Backup Well #3	1490009-1	12.0	No	276	\$40,880
61	Nicollet	Treatment - Replace Fe/Mn Plant	1520004-7	12.0	No	1,111	\$1,865,565
62	Stewart	Watermain - Looping	1430009-6	12.0	No	564	\$311,021
63	Harris	Watermain - Looping	1130005-5	12.0	No	378	\$364,320
64	Buffalo	Treatment - Repl 1981 Plant add 3 Wells	1860005-4	12.0	No	12,120	\$11,200,000
65	Myrtle	Storage - New Hydropneumatic Tank	1240015-2	11.0	No	48	\$9,800
66	Evansville	Storage - Replace Storage Tank	1210013-9	11.0	No	612	\$887,513
67	Deerwood	Storage - Replace w/100,000 Gal Tower	1180012-6	11.0	No	532	\$923,000
68	Saint Cloud	Storage - New 1.5MG South Elevated Tank	1730027-6	11.0	No	66,169	\$4,643,022
69	Gaylord	Storage - Repl w/200,000 Gal Tower	1720002-3	11.0	No	2,305	\$1,675,765
70	Pennock	Storage - Repl with 50,000 Gal Tower	1340006-1	11.0	No	508	\$768,400
71	Gary	Storage - New 50,000 Gal Tower	1540010-3	11.0	No	204	\$831,600
72	Kandiyohi	Storage - Repl Tower w/75,000 Gal Tower	1340003-4	11.0	No	491	\$638,000
73	Saint Paul Regional Water Services	Other - Generator W. St. Paul Booster	1620026-19	11.0	No	422,660	\$515,000
74	Onamia	Storage - Tower Rehab	1480003-6	10.0	No	875	\$315,000
75	Kelliher	Storage - Replace 50,000 Gal Tower	1040017-1	10.0	No	310	\$750,000
76	Kelliher	Watermain - Replace Old Main	1040017-2	10.0	No	310	\$1,757,000
77	Myrtle	Source - New Pump & Generator	1240015-1	10.0	No	48	\$58,500
78	Myrtle	Watermain - Replace Mains	1240015-3	10.0	No	48	\$224,640
79	Hoffman	Watermain - Replace & Loop	1260006-5	10.0	No	682	\$770,000
80	Hoffman	Conservation - Meters	1260006-6	10.0	No	682	\$171,000
81	Eagle Bend	Watermain - Phase 2 Replacement	1770004-4	10.0	No	613	\$865,000
82	Eagle Bend	Watermain - Phase 3 Replacement	1770004-5	10.0	No	613	\$485,000
83	Eagle Bend	Watermain - Phase 4 Replacement	1770004-6	10.0	No	613	\$215,925
84	Evansville	Treatment - Plant Rehab	1210013-8	10.0	No	612	\$1,476,773
85	Echo	Storage - Replace 50,000 Gal Tower	1870003-3	10.0	No	271	\$774,300
86	Echo	Watermain - Repl CSAH 20, 3rd & East Sts	1870003-4	10.0	No	271	\$1,371,700
87	Canby	Watermain - Replacement, Phase 2	1870001-4	10.0	No	1,903	\$2,099,389
88	Canby	Watermain - Replacement, Phase 3	1870001-5	10.0	No	1,903	\$2,782,911
89	Crosby	Watermain - Phase 2 Improvements	1180008-7	10.0	No	2,312	\$750,000
90	Crosby	Watermain - Phase 3 Improvements	1180008-8	10.0	No	2,312	\$3,670,000
91	Blackduck	Watermain - Repl Summit Ave & Main St. N	1040014-1	10.0	No	785	\$746,463
92	Wadena	Watermain - Replace SW Portion of City	1800004-4	10.0	No	4,293	\$4,925,000
93	Lewisville	Storage - Elevated Tank Rehab	1830003-4	10.0	No	250	\$328,800
94	Lewisville	Conservation - Replace Meters	1830003-5	10.0	No	250	\$95,570
95	Ironton	Source - Rehabilitate Well #2	1180017-5	10.0	No	498	\$38,900
96	Ironton	Treatment - Replace Plant	1180017-6	10.0	No	498	\$1,235,600
97	Ironton	Conservation - Replace Meters	1180017-7	10.0	No	498	\$114,000
98	Pine River	Source - Replace Wellhouses 1 & 2	1110019-4	10.0	No	944	\$860,000
99	Pine River	Storage - Rehab Towers 1 & 2	1110019-5	10.0	No	944	\$785,000
100	Herman	Source - New Well #2/Rehab #1	1260005-2	10.0	No	425	\$200,000
101	Herman	Storage - Replace Elevated Tower	1260005-3	10.0	No	425	\$750,000
102	Herman	Watermain - Loop and Replace	1260005-4	10.0	No	425	\$580,000
103	Clarissa	Watermain - Repl Various Blocks	1770003-5	10.0	No	681	\$2,492,000
104	Clarissa	Conservation - Replace Meters	1770003-6	10.0	No	681	\$108,000
105	Deerwood	Watermain - Repl 4 inch Mains, Phase 2	1180012-2	10.0	No	590	\$275,436
106	Deerwood	Watermain - Repl 4 inch Mains, Phase 3	1180012-4	10.0	No	590	\$787,000
107	Deerwood	Watermain - Replace Under Hwy 210	1180012-5	10.0	No	590	\$95,000
108	Bagley	Watermain - Replace Cast Iron Main	1150001-2	10.0	No	1,235	\$1,563,239
109	Watkins	Storage - New 50,000 Gal Tower	1470010-2	10.0	No	948	\$751,500
110	Currie	Watermain - Replace and Loop	1510003-1	10.0	No	232	\$2,033,000
111	Aitkin	Watermain - Loop & Replace	1010001-7	10.0	No	1,984	\$413,600
112	Isle	Watermain - Replacement	1480001-5	10.0	No	745	\$753,100
113	Isle	Source - Improvements	1480001-6	10.0	No	745	\$307,700
114	Isle	Storage - Tower Rehab	1480001-7	10.0	No	745	\$294,500



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## Minnesota Drinking Water Revolving Loan Fund

### 2017 Project Priority List

Rank	System	Project	Project #	Priority Points	PHI	Pop.	Estimated Project Cost
115	Round Lake	Storage - 50,000 Gallon Tower Rehab	1530008-2	10.0	No	411	\$234,000
116	Menahga	Storage - Repl w/100,000 Gal Tower	1800001-2	10.0	No	1,228	\$770,000
117	Menahga	Watermain - Main Street East Repl	1800001-3	10.0	No	1,228	\$458,430
118	Menahga	Watermain - First Street NW Repl	1800001-4	10.0	No	1,228	\$360,378
119	Mahnomen	Other - Backup Generators	1440002-10	10.0	No	1,222	\$220,500
120	Mahnomen	Watermain - Replace Various Areas	1440002-8	10.0	No	1,222	\$3,518,545
121	Mahnomen	Source - Upgrade Well #4	1440002-9	10.0	No	1,222	\$208,000
122	Winger	Storage - Replace 50,000 Gal Tower	1600013-3	10.0	No	220	\$831,000
123	Howard Lake	Conservation - Replace Meters	1860010-7	10.0	No	2,016	\$253,000
124	Pelican Rapids	Storage - Recoat Water Tower	1560019-3	10.0	No	2,374	\$500,000
125	Pelican Rapids	Watermain - Repl Various Street	1560019-6	10.0	No	2,476	\$667,600
126	Barrett	Treatment - Plant Rehab	1260002-4	10.0	No	415	\$475,750
127	Barrett	Watermain - Replace Various Areas	1260002-5	10.0	No	415	\$824,907
128	Waubun	Storage - Repl w/100,000 Gallon Tower	1440004-1	10.0	No	388	\$635,000
129	Waubun	Watermain - Replacement	1440004-2	10.0	No	388	\$2,500,000
130	Waubun	Conservation - Install Meters	1440004-3	10.0	No	388	\$140,000
131	Badger	Treatment - Repl Plant Piping System	1680001-2	10.0	No	474	\$102,182
132	Badger	Storage - Replace Riser Pipe	1680001-3	10.0	No	474	\$38,318
133	Badger	Watermain - Repl Area 1	1680001-4	10.0	No	369	\$836,000
134	Badger	Watermain - Repl Area 2	1680001-5	10.0	No	369	\$667,000
135	Erskine	Storage - Remove Original Tower	1600005-6	10.0	No	431	\$58,000
136	Erskine	Watermain - Replace 1947 Lines	1600005-7	10.0	No	431	\$1,179,150
137	Clarkfield	Storage - New Elevated Tank	1870002-4	10.0	No	841	\$1,728,736
138	Clarkfield	Watermain - Repl Cast Iron Mains	1870002-5	10.0	No	841	\$1,861,787
139	Clarkfield	Treatment - Plant Rehab	1870002-6	10.0	No	841	\$409,477
140	Sacred Heart	Treatment - Plant Rehab	1650013-1	10.0	No	548	\$520,487
141	Sacred Heart	Watermain - Replace	1650013-2	10.0	No	548	\$3,290,270
142	Calumet	Watermain - Alley Replacement	1310004-3	10.0	No	383	\$415,000
143	Calumet	Watermain - Repl 6th Ave/Shipka St.	1310004-4	10.0	No	383	\$260,000
144	Frazee	Watermain - Replace Cast Iron Mains	1030014-1	10.0	No	1,374	\$676,710
145	Vernon Center	Treatment - Plant Rehab	1070019-1	10.0	No	332	\$85,560
146	Bovey	Watermain - Replace in Business Area	1310003-1	10.0	No	662	\$658,880
147	Little Falls	Treatment - Phase 1 - Filter Rehab	1490002-5	10.0	No	8,797	\$1,400,000
148	Little Falls	Treatment - Phase 2 - Reclaim Tank Rehab	1490002-6	10.0	No	8,797	\$1,300,000
149	Little Falls	Treatment - Phase 3 - Plant Rehab	1490002-7	10.0	No	8,797	\$280,500
150	Walnut Grove	Water Main - Replace Old Water Main	1640014-1	10.0	No	685	\$833,500
151	Walker	Watermain - Repl for Michigan Ave	1110013-5	10.0	No	1,186	\$574,031
152	Walker	Watermain - Replace on South Side	1110013-6	10.0	No	1,186	\$1,339,405
153	Sebeka	Treatment - New Plant, Remove Iron	1800002-7	10.0	No	710	\$1,750,000
154	Sebeka	Watermain - Replace, Phase 2	1800002-8	10.0	No	676	\$975,000
155	Cyrus	Conservation - Install Meters	1610001-3	10.0	No	303	\$83,500
156	Glenwood	Watermain - Phase 3 Replacement	1610003-10	10.0	No	2,594	\$958,000
157	Glenwood	Source - Rehab Well No. 5 & 6 Pumphouses	1610003-7	10.0	No	2,594	\$435,200
158	Glenwood	Watermain - Phase 1 Replacement	1610003-8	10.0	No	2,594	\$1,165,000
159	Glenwood	Watermain - Phase 2 Replacement	1610003-9	10.0	No	2,594	\$708,000
160	Welcome	Storage - Repl w/150,000 Gal Tower	1460011-2	10.0	No	673	\$1,157,700
161	Starbuck	Conservation - Replace Meters	1610008-1	10.0	No	1,343	\$312,000
162	Starbuck	Watermain - Repl Cast Iron Mains	1610008-2	10.0	No	1,274	\$235,400
163	Gaylord	Conservation - Replace Meters	1720002-4	10.0	No	2,305	\$275,000
164	Easton	Conservation - Replace Meters	1220005-6	10.0	No	199	\$45,100
165	Broton	Treatment - New Plant, Remove Fe/Mn	1730005-6	10.0	No	647	\$1,181,700
166	Browerville	Watermain - TH 71 Replacement	1770002-4	10.0	No	735	\$441,200
167	Hibbing	Distribution - Rehab So Booster Station	1690022-5	10.0	No	22,000	\$790,000
168	Eveleth	Storage - Recondition West Water Tower	1690018-6	10.0	No	3,865	\$673,149
169	Eveleth	Watermain - Repl Garfield Street	1690018-7	10.0	No	3,770	\$237,794
170	Eveleth	Storage - 750,000 Gal Tower Rehab	1690018-8	10.0	No	3,770	\$1,312,172
171	Winnebago	Watermain - Repl Cast Iron Mains	1220011-2	10.0	No	1,437	\$2,087,000



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Rank	System	Project	Project #	Priority Points	PHI	Pop.	Estimated Project Cost
172	Elbow Lake	Watermain - Replace for Division St.	1260003-2	10.0	No	1,275	\$665,000
173	Elbow Lake	Treatment - Rehabilitate Plant	1260003-5	10.0	No	1,275	\$1,000,000
174	Winthrop	Watermain - Replace Various Blocks	1720008-1	10.0	No	1,399	\$950,700
175	Pipestone	Watermain - Replace TH30	1590005-4	10.0	No	4,317	\$574,493
176	Chisholm	Watermain - Repl for Lakeview Additions	1690007-2	10.0	No	4,960	\$1,477,086
177	Perham	Watermain - Replace 2nd Ave SW	1560023-8	10.0	No	3,000	\$872,922
178	Saint James	Watermain - Repl TH 4	1830006-6	10.0	No	4,611	\$2,900,000
179	Heron Lake	Other - Connect to Red Rock Rural Water	1320002-2	10.0	No	698	\$1,580,769
180	Heron Lake	Storage - Replace 100,000 Gal Tower	1320002-3	10.0	No	691	\$800,000
181	Jackson	Storage - Recondition/Paint East Tower	1320003-1	10.0	No	3,469	\$175,000
182	Jackson	Watermain - Replace & Install	1320003-2	10.0	No	3,469	\$1,738,700
183	Jackson	Treatment - High Service Pump Imp.	1320003-3	10.0	No	3,354	\$454,440
184	Redwood Falls	Watermain - Ponderosa to N. Redwood	1640008-3	10.0	No	5,327	\$750,000
185	Northrop	Storage - Tower Rehab	1460006-2	10.0	No	227	\$277,830
186	Nashwauk	Watermain - TH 65 Replacement	1310024-4	10.0	No	986	\$1,274,670
187	Red Lake Falls	Watermain - Repl Various Areas	1630003-2	10.0	No	1,429	\$1,487,079
188	Osakis	Watermain - Repl 7 Blocks Downtown	1210020-5	10.0	No	1,740	\$522,083
189	Osakis	Watermain - Replace Various Blocks	1210020-6	10.0	No	1,740	\$735,200
190	Carlton	Watermain - Replace for School Ave	1090003-3	10.0	No	810	\$667,000
191	Carlton	Treatment - Plant Rehab	1090003-4	10.0	No	987	\$2,000,000
192	Fairmont	Storage - New 3.0 MG Reservoir	1460003-2	10.0	No	10,666	\$2,063,000
193	Moose Lake	Source - Well #1 Rehab, New Well House	1090009-3	10.0	No	1,259	\$1,100,000
194	Greenbush	Watermain - Repl Along Hwy 7	1680002-5	10.0	No	719	\$590,904
195	Greenbush	Watermain - Relocation Along Hwy 32	1680002-6	10.0	No	719	\$155,000
196	Greenbush	Watermain - Repl Area 1 - Main Street	1680002-7	10.0	No	719	\$889,206
197	Greenbush	Watermain - Repl Area 2 - 5th Street	1680002-8	10.0	No	719	\$424,033
198	Houston	Watermain - Ellsworth St. Repair	1280005-3	10.0	No	980	\$143,780
199	Houston	Watermain - Jackson, Lincoln, Spruce Sts	1280005-4	10.0	No	980	\$652,500
200	Wheaton	Storage - Recoat Tower, Add Safety Items	1780004-1	10.0	No	1,508	\$450,000
201	Wheaton	Conservation - Replace Meters	1780004-4	10.0	No	1,424	\$420,000
202	Tracy	Storage - Tower Rehab	1420010-3	10.0	No	2,179	\$350,000
203	Tracy	Watermain - Loop and Replace	1420010-4	10.0	No	2,179	\$616,100
204	New London	Watermain - Repl Various Blocks	1340005-2	10.0	No	1,251	\$590,000
205	Sherburn	Treatment - Replace Fe/Mn Plant	1460007-1	10.0	No	1,115	\$3,599,140
206	Sherburn	Storage - Tower Rehab	1460007-2	10.0	No	1,115	\$422,133
207	Lakefield	Treatment - Add RO/Plant Rehab	1320004-3	10.0	No	1,694	\$5,126,600
208	Morgan	Storage - Tower Rehab	1640006-5	10.0	No	896	\$407,000
209	Hawley	Watermain - Replace, Phase 3	1140006-7	10.0	No	1,850	\$2,872,000
210	LeRoy	Storage - Repl with 120,000 Gallon Tower	1500009-2	10.0	No	900	\$787,950
211	LeRoy	Watermain - Replace for East County Rd.	1500009-3	10.0	No	900	\$560,232
212	LeRoy	Treatment - Rehab Filter	1500009-4	10.0	No	900	\$362,137
213	Silver Bay	Watermain - Repl at Banks, Rehab P Stat	1380003-9	10.0	No	1,980	\$1,212,879
214	Grove City	Watermain - Replace Cast Iron Main	1470007-3	10.0	No	625	\$1,851,000
215	Rush City	Watermain - Replace for TH 361	1130013-5	10.0	No	3,058	\$1,006,284
216	Hitterdal	Storage - New 50,000 Gallon Tower	1140007-3	10.0	No	201	\$625,000
217	Hitterdal	Conservation - Install Meters	1140007-4	10.0	No	201	\$75,000
218	Ostrander	Storage - New 50,000 Gal Tower	1230008-1	10.0	No	256	\$758,100
219	Ostrander	Watermain - Repl Cast Iron Mains	1230008-2	10.0	No	256	\$2,113,325
220	Morristown	Treatment - New Plant, Remove Radium	1660007-1	10.0	No	1,042	\$1,254,000
221	Murdock	Storage - New 75,000 Gal Tower	1760007-2	10.0	No	282	\$635,000
222	Warren	Watermain - Northwest Area Repl	1450012-4	10.0	No	1,567	\$743,477
223	Riverton	Watermain - Replace	1180025-4	10.0	No	114	\$104,000
224	Wykoff	Watermain - County Road 5	1230013-4	10.0	No	444	\$297,000
225	Comfrey	Watermain - Replace Cast Iron Main	1080001-5	10.0	No	360	\$1,678,000
226	Comfrey	Conservation - Replace Meters	1080001-7	10.0	No	360	\$114,000
227	Silver Lake	Storage - New 115,000 Gallon Tank	1430008-1	10.0	No	837	\$598,000
228	Hanska	Source - Replace Well #1 with #4	1080002-1	10.0	No	419	\$255,000



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Rank	System	Project	Project #	Priority Points	PHI	Pop.	Estimated Project Cost
229	Hanska	Watermain - Repl Transite Main - Phase 2	1080002-6	10.0	No	419	\$2,335,000
230	Paynesville	Distribution - Booster Station	1730018-3	10.0	No	2,298	\$630,000
231	Cuyuna	Storage - Replace with New Tower	1180011-5	10.0	No	231	\$616,800
232	Cuyuna	Watermain - Replace for City	1180011-6	10.0	No	231	\$1,273,155
233	Cuyuna	Conservation - Replace Meters	1180011-7	10.0	No	231	\$55,650
234	Alden	Conservation - Replace Meters	1240004-4	10.0	No	661	\$105,000
235	Aurora	Treatment - Renovate Plant	1690002-4	10.0	No	2,225	\$155,000
236	Aurora	Storage - Replace Ground Storage	1690002-5	10.0	No	2,225	\$310,000
237	Oslo	Watermain - Replace & Looping	1450008-1	10.0	No	330	\$3,812,000
238	Lincoln-Pipestone RWS	Watermain - Connection to Lewis & Clark	1410007-1	10.0	No	12,271	\$8,687,000
239	Saint Paul Regional Water Services	Other - Repl McCarrons Elec. Equipment	1620026-18	10.0	No	422,660	\$7,536,000
240	Saint Paul Regional Water Services	Treatment - Repl High Service Pump	1620026-20	10.0	No	422,660	\$700,000
241	Waseca	Watermain - Replace Elm Ave	1810004-2	10.0	No	9,427	\$2,917,000
242	Minneapolis	Treatment - Fridley Plant Rehab	1270024-11	10.0	No	411,273	\$51,000,000
243	Minneapolis	Treatment - Recarb Improvements	1270024-12	10.0	No	411,273	\$7,030,000
244	Richmond	Storage - Recoat 70,000 Gallon Tower	1730022-4	10.0	No	1,325	\$92,000
245	Lowry	Storage - New 50,000 Gallon Tower	1610007-4	10.0	No	257	\$675,583
246	Lowry	Storage - Demolish Tower	1610007-5	10.0	No	257	\$45,000
247	Winsted	Storage - Tower Rehab	1430010-4	10.0	No	2,355	\$800,000
248	Stewart	Storage - Repl w/100,000 Gal Tower	1430009-2	10.0	No	564	\$635,747
249	Stewart	Watermain - Replacement	1430009-5	10.0	No	564	\$1,123,799
250	Baudette	Storage - Repl w/50,000 Gal East Tower	1390001-3	10.0	No	1,084	\$650,000
251	Henderson	Source - New Well #3	1720006-1	10.0	No	886	\$359,864
252	Harris	Storage - Tower Rehab	1130005-4	10.0	No	378	\$149,900
253	Montrose	Treatment - Remove Fe/Mn	1860016-5	10.0	No	2,498	\$7,000,000
254	Montrose	Storage - Repl Tower w/100,000 Gal Tower	1860016-6	10.0	No	2,498	\$598,500
255	Brooklyn Park	Source - Rehab Wellhouses 2, 3, & #11	1270005-3	10.0	No	75,781	\$1,825,000
256	Brooklyn Park	Watermain - From Well #11 to WTP	1270005-4	10.0	No	75,781	\$1,150,000
257	Brooklyn Park	Watermain - Replace CSAH 103	1270005-5	10.0	No	75,781	\$1,928,859
258	Coon Rapids	Storage - Repl East Tower w/1.5 MG Tower	1020017-1	10.0	No	61,476	\$4,075,000
259	Buffalo	Watermain - Replace Southeast	1860005-6	10.0	No	12,120	\$2,200,000
260	Burnsville	Conservation - Replace Meters	1190002-1	10.0	No	61,262	\$7,388,970
261	Burnsville	Treatment - Groundwater Plant Rehab	1190002-2	10.0	No	61,262	\$5,507,400
262	Big Lake	Source - Additional Well #8	1710002-5	10.0	No	9,000	\$1,350,000
263	Coon Rapids	Storage - Baffle Wall in West Reservoir	1020017-2	10.0	No	61,476	\$275,000
264	Belle Plaine	Source - Replace Well #1 with #5	1700001-1	10.0	No	5,000	\$505,000
265	Lake Elmo	Extension - SW Area, Well Contam	1820009-3	10.0	Yes	3,639	\$6,075,000
266	Cold Spring	Source - Replace Wells 4, 5, & 6	1730006-3	8.0	No	4,053	\$841,000
267	Maple Plain	Source - New Well #4 & Test Well	1270021-4	8.0	No	1,768	\$585,000
268	Hanska	Treatment - New Plant, Remove Fe/Mn	1080002-2	7.0	No	419	\$1,352,000
269	Hanska	Watermain - One Loop	1080002-5	7.0	No	419	\$405,000
270	South Bend Township	Source - New Well & Transite Main	1070026-5	7.0	No	325	\$920,300
271	Bird Island	Watermain - SE Loop to Plant	1650001-3	7.0	No	1,042	\$444,000
272	Atwater	Watermain - Loop North	1340001-5	7.0	No	1,090	\$289,000
273	Atwater	Watermain - Loop South	1340001-7	7.0	No	1,090	\$180,000
274	Plato	Source - Additional Well #4	1430007-1	7.0	No	355	\$475,000
275	Plato	Treatment - New Plant, Remove Fe/Mn	1430007-2	7.0	No	355	\$2,655,375
276	Elgin	Watermain-Rolling Hills Interconnection	1790001-2	7.0	No	981	\$242,088
277	Biscay	Source - Backup Well #2	1430001-1	7.0	No	109	\$42,000
278	Madison Lake	Watermain - Repl 4th & 5th, Loop 227th	1070007-6	7.0	No	935	\$831,417
279	Rice	Source - Adtl Well #4	1050002-4	7.0	No	1,279	\$80,000
280	Rice	Watermain - Looping	1050002-7	7.0	No	1,279	\$300,000
281	Glyndon	Watermain - Looping Two Areas	1140005-5	7.0	No	1,393	\$535,000
282	Eagle Lake	Treatment - New Plant, Remove Fe/Mn	1070002-2	7.0	No	2,070	\$3,500,000
283	Courtland	Treatment - Rehab Plant & New Well #5	1520001-4	7.0	No	611	\$1,660,000
284	Cold Spring	Treatment - Nitrate, Fe & Mn Removal	1730006-2	7.0	No	4,053	\$5,705,000
285	Rice Lake	Watermain - East Calvary Road Loop	1690049-1	7.0	No	650	\$1,740,538



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Rank	System	Project	Project #	Priority Points	PHI	Pop.	Estimated Project Cost
286	Rice Lake	Watermain - Martin Road Loop	1690049-2	7.0	No	650	\$1,300,000
287	Waverly	Treatment - Wellhouse Rehab	1860019-6	7.0	No	997	\$340,000
288	Randolph	Source - New Well, Rehab Wellhouse	1190025-1	7.0	No	355	\$888,000
289	Becker	Source - Additional Well #7	1710008-1	7.0	No	4,297	\$639,000
290	Cologne	Treatment - New Plant, Remove Fe/Mn	1100004-4	7.0	No	1,519	\$7,375,587
291	Cologne	Source - New Well	1100004-5	7.0	No	1,519	\$326,759
292	Oronoco	Watermain - Extend SW, Priv Well Cont.	1550036-2	7.0	No	600	\$1,800,000
293	Minnetrusta	Treatment - Two Plants	1270036-3	7.0	No	2,913	\$9,800,000
294	Ghent	Storage - New 50,000 Gal Tower	1420004-1	6.0	No	364	\$660,000
295	Hanska	Storage - Repl w/100,000 Gal Tower	1080002-3	5.0	No	419	\$638,000
296	Bird Island	Other - Backup Generator	1650001-4	5.0	No	1,042	\$158,250
297	Atwater	Watermain - Replace North	1340001-4	5.0	No	1,090	\$350,000
298	Waldorf	Treatment - Plant Rehab & Well Valves	1810003-1	5.0	No	227	\$389,870
299	Waldorf	Storage - Tower Rehab	1810003-2	5.0	No	227	\$439,840
300	Waldorf	Watermain - Replace with Meters	1810003-3	5.0	No	227	\$2,080,300
301	Plato	Storage - Repl w/100,000 Gallon Tower	1430007-3	5.0	No	355	\$841,000
302	Racine	Storage - New 75,000 Gal Tower	1500012-1	5.0	No	425	\$726,000
303	Proctor	Watermain - Replace Various Blocks	1690042-4	5.0	No	2,854	\$1,807,404
304	Hokah	Watermain - Repl STH 44	1280004-1	5.0	No	572	\$377,400
305	Barnesville	Watermain - Replacement - Phase 1	1140001-4	5.0	No	2,600	\$2,600,000
306	Blomkest	Storage - 20,000 Gal Ground Tank	1340002-1	5.0	No	186	\$431,638
307	Brownton	Watermain - Replace Various Streets	1430002-4	5.0	No	807	\$1,992,000
308	Raymond	Watermain - Repl Day St./ Emerson Ave.	1340008-1	5.0	No	764	\$660,000
309	Madison Lake	Treatment - New Fe/Mn Plant for Well #3	1070007-5	5.0	No	935	\$705,000
310	Madison Lake	Conservation - Replace Meters	1070007-7	5.0	No	935	\$110,000
311	Rice	Treatment - Plant Rehab	1050002-5	5.0	No	1,279	\$500,000
312	Cottonwood	Watermain - Repl Cast Iron Mains	1420002-1	5.0	No	1,212	\$570,434
313	Ghent	Conservation - Replace Meters	1420004-2	5.0	No	364	\$98,000
314	Lewiston	Conservation - Replace Meters	1850006-5	5.0	No	1,507	\$204,000
315	Courtland	Storage - Replace w/100,000 Gal Tower	1520001-1	5.0	No	579	\$1,085,000
316	Cold Spring	Distribution - Raw Water Line from Wells	1730006-4	5.0	No	4,053	\$1,771,000
317	Hampton	Watermain - Replace Cast Iron Main	1190010-4	5.0	No	763	\$643,250
318	Waverly	Watermain - Interconnect	1860019-4	5.0	No	997	\$1,485,400
319	Lonsdale	Watermain - Repl Cast Iron Main - Area 5	1660006-2	5.0	No	3,800	\$1,752,300
320	Randolph	Storage - Tower Rehab	1190025-2	5.0	No	355	\$375,000
321	Belle Plaine	Treatment - RO for Vulnerability	1700001-3	5.0	No	5,002	\$1,215,000
322	Darwin	Watermain - Replace Main	1470002-2	5.0	No	244	\$922,000
323	Darwin	Conservation - Install Meters	1470002-3	5.0	No	244	\$140,000
324	Cologne	Source - Well #1 Rehab	1100004-1	5.0	No	1,519	\$24,000
325	Empire Township	Treatment - New Plant, Remove Ra, Fe, Mn	1190009-2	5.0	No	1,300	\$7,500,000
326	Carver	Storage - Recoat 100,000 Gal Tower	1100017-3	5.0	No	1,300	\$272,000
327	Carver	Treatment - New Skid Plant & New Well #5	1100017-6	5.0	No	4,000	\$2,840,000
328	Chanhassen	Treatment - West Fe/Mn Plant	1100001-1	5.0	No	23,179	\$18,360,000
329	Minnetrusta	Storage - New 0.5 MG Tower	1270036-4	5.0	No	2,913	\$2,400,000
330	Minnetrusta	Watermain - South/Central Connection	1270036-5	5.0	No	2,913	\$2,800,000
			Total				\$558,953,131



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## Minnesota Drinking Water Revolving Loan Fund 2017 Project Priority List

Rank	System	Project	Project #	Priority Points	PHI	Pop.	Estimated Project Cost
111	Aitkin	Watermain - Loop & Replace	1010001-7	10.0	No	1,984	\$413,600
13	Albert Lea	Watermain - Consolidate Stables Area	1240001-1	15.0	No	18,356	\$1,254,000
17	Alden	Treatment - Repl Fe/Mn Plant & Well	1240004-2	15.0	No	661	\$1,935,000
234	Alden	Conservation - Replace Meters	1240004-4	10.0	No	661	\$105,000
297	Atwater	Watermain - Replace North	1340001-4	5.0	No	1,090	\$350,000
272	Atwater	Watermain - Loop North	1340001-5	7.0	No	1,090	\$289,000
273	Atwater	Watermain - Loop South	1340001-7	7.0	No	1,090	\$180,000
235	Aurora	Treatment - Renovate Plant	1690002-4	10.0	No	2,225	\$155,000
236	Aurora	Storage - Replace Ground Storage	1690002-5	10.0	No	2,225	\$310,000
10	Aurora	Consolidation - E Mesabi Joint Water Sys	1690002-6	20.0	No	2,225	\$28,000,000
131	Badger	Treatment - Repl Plant Piping System	1680001-2	10.0	No	474	\$102,182
132	Badger	Storage - Replace Riser Pipe	1680001-3	10.0	No	474	\$38,318
133	Badger	Watermain - Repl Area 1	1680001-4	10.0	No	369	\$836,000
134	Badger	Watermain - Repl Area 2	1680001-5	10.0	No	369	\$667,000
108	Bagley	Watermain - Replace Cast Iron Main	1150001-2	10.0	No	1,235	\$1,563,239
305	Barnesville	Watermain - Replacement - Phase 1	1140001-4	5.0	No	2,600	\$2,600,000
126	Barrett	Treatment - Plant Rehab	1260002-4	10.0	No	415	\$475,750
127	Barrett	Watermain - Replace Various Areas	1260002-5	10.0	No	415	\$824,907
250	Baudette	Storage - Repl w/50,000 Gal East Tower	1390001-3	10.0	No	1,084	\$650,000
289	Becker	Source - Additional Well #7	1710008-1	7.0	No	4,297	\$639,000
264	Belle Plaine	Source - Replace Well #1 with #5	1700001-1	10.0	No	5,002	\$505,000
321	Belle Plaine	Treatment - RO for Vulnerability	1700001-3	5.0	No	5,002	\$1,215,000
262	Big Lake	Source - Additional Well #8	1710002-5	10.0	No	9,000	\$1,350,000
31	Bigfork	Source - New Well & Plant Rehab	1310001-6	12.0	No	443	\$129,489
271	Bird Island	Watermain - SE Loop to Plant	1650001-3	7.0	No	1,042	\$444,000
296	Bird Island	Other - Backup Generator	1650001-4	5.0	No	1,042	\$158,250
277	Biscay	Source - Backup Well #2	1430001-1	7.0	No	109	\$42,000
91	Blackduck	Watermain - Repl Summit Ave & Main St. N	1040014-1	10.0	No	785	\$746,463
306	Blomkest	Storage - 20,000 Gal Ground Tank	1340002-1	5.0	No	186	\$431,638
146	Bovey	Watermain - Replace in Business Area	1310003-1	10.0	No	662	\$658,880
60	Bowlus	Source - Backup Well #3	1490009-1	12.0	No	276	\$40,880

**Minnesota Drinking Water Revolving Loan Fund  
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Rank	System	Project	Project #	Priority Points	PHI	Pop.	Estimated Project Cost
56	Breckenridge	Treatment - Lime Softening Plant	1840002-1	12.0	No	3,559	\$13,584,000
255	Brooklyn Park	Source - Rehab Wellhouses 2, 3, & #11	1270005-3	10.0	No	75,781	\$1,825,000
256	Brooklyn Park	Watermain - From Well #11 to WTP	1270005-4	10.0	No	75,781	\$1,150,000
257	Brooklyn Park	Watermain - Replace CSAH 103	1270005-5	10.0	No	75,781	\$1,928,859
14	Brooten	Source - Replace Wells #1 & #2	1730005-5	15.0	No	647	\$146,500
165	Brooten	Treatment - New Plant, Remove Fe/Mn	1730005-6	10.0	No	647	\$1,181,700
166	Browerville	Watermain - TH 71 Replacement	1770002-4	10.0	No	735	\$441,200
307	Brownston	Watermain - Replace Various Streets	1430002-4	5.0	No	807	\$1,992,000
64	Buffalo	Treatment - Repl 1981 Plant add 3 Wells	1860005-4	12.0	No	12,120	\$11,200,000
259	Buffalo	Watermain - Replace Southeast	1860005-6	10.0	No	12,120	\$2,200,000
260	Burnsville	Conservation - Replace Meters	1190002-1	10.0	No	61,262	\$7,388,970
261	Burnsville	Treatment - Groundwater Plant Rehab	1190002-2	10.0	No	61,262	\$5,507,400
142	Calumet	Watermain - Alley Replacement	1310004-3	10.0	No	383	\$415,000
143	Calumet	Watermain - Repl 6th Ave/Shipka St.	1310004-4	10.0	No	383	\$260,000
87	Canby	Watermain - Replacement, Phase 2	1870001-4	10.0	No	1,903	\$2,099,389
88	Canby	Watermain - Replacement, Phase 3	1870001-5	10.0	No	1,903	\$2,782,911
190	Carlton	Watermain - Replace for School Ave	1090003-3	10.0	No	810	\$667,000
191	Carlton	Treatment - Plant Rehab	1090003-4	10.0	No	987	\$2,000,000
11	Carlton	Watermain - Extension to High As Wells	1090003-5	17.5	Yes	987	\$7,336,821
326	Carver	Storage - Recoat 100,000 Gal Tower	1100017-3	5.0	No	1,300	\$272,000
327	Carver	Treatment - New Skid Plant & New Well #5	1100017-6	5.0	No	4,000	\$2,840,000
328	Chanhausen	Treatment - West Fe/Mn Plant	1100001-1	5.0	No	23,179	\$18,360,000
176	Chisholm	Watermain - Repl for Lakeview Additions	1690007-2	10.0	No	4,960	\$1,477,086
103	Clarissa	Watermain - Repl Various Blocks	1770003-5	10.0	No	681	\$2,492,000
104	Clarissa	Conservation - Replace Meters	1770003-6	10.0	No	681	\$108,000
137	Clarkfield	Storage - New Elevated Tank	1870002-4	10.0	No	841	\$1,728,736
138	Clarkfield	Watermain - Repl Cast Iron Mains	1870002-5	10.0	No	841	\$1,861,787
139	Clarkfield	Treatment - Plant Rehab	1870002-6	10.0	No	841	\$409,477
284	Cold Spring	Treatment - Nitrate, Fe & Mn Removal	1730006-2	7.0	No	4,053	\$5,705,000
266	Cold Spring	Source - Replace Wells 4, 5, & 6	1730006-3	8.0	No	4,053	\$841,000
316	Cold Spring	Distribution - Raw Water Line from Wells	1730006-4	5.0	No	4,053	\$1,771,000





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## Minnesota Drinking Water Revolving Loan Fund 2017 Project Priority List

Rank	System	Project	Project #	Priority Points	PHI	Pop.	Estimated Project Cost
324	Cologne	Source - Well #1 Rehab	1100004-1	5.0	No	1,519	\$24,000
290	Cologne	Treatment - New Plant, Remove Fe/Mn	1100004-4	7.0	No	1,519	\$7,375,587
291	Cologne	Source - New Well	1100004-5	7.0	No	1,519	\$326,759
58	Comfrey	Treatment - Repl Media + Improvements	1080001-3	12.0	No	382	\$620,149
225	Comfrey	Watermain - Replace Cast Iron Main	1080001-5	10.0	No	360	\$1,678,000
59	Comfrey	Watermain - Looping	1080001-6	12.0	No	360	\$349,000
226	Comfrey	Conservation - Replace Meters	1080001-7	10.0	No	360	\$114,000
21	Comfrey	Storage - Tower Rehab/Seal Well	1080001-8	13.0	No	382	\$241,701
258	Coon Rapids	Storage - Repl East Tower w/1.5 MG Tower	1020017-1	10.0	No	61,476	\$4,075,000
263	Coon Rapids	Storage - Baffle Wall in West Reservoir	1020017-2	10.0	No	61,476	\$275,000
312	Cottonwood	Watermain - Repl Cast Iron Mains	1420002-1	5.0	No	1,212	\$570,434
315	Courtland	Storage - Replace w/100,000 Gal Tower	1520001-1	5.0	No	579	\$1,085,000
283	Courtland	Treatment - Rehab Plant & New Well #5	1520001-4	7.0	No	611	\$1,660,000
89	Crosby	Watermain - Phase 2 Improvements	1180008-7	10.0	No	2,312	\$750,000
90	Crosby	Watermain - Phase 3 Improvements	1180008-8	10.0	No	2,312	\$3,670,000
110	Currie	Watermain - Replace and Loop	1510003-1	10.0	No	232	\$2,033,000
16	Cuyuna	Source - Repl with Wells #2 & #3/Treat	1180011-4	15.0	No	231	\$459,300
231	Cuyuna	Storage - Replace with New Tower	1180011-5	10.0	No	231	\$616,800
232	Cuyuna	Watermain - Replace for City	1180011-6	10.0	No	231	\$1,273,155
233	Cuyuna	Conservation - Replace Meters	1180011-7	10.0	No	231	\$55,650
35	Cyrus	Treatment - New Plant, Remove Fe/Mn	1610001-1	12.0	No	303	\$750,000
36	Cyrus	Watermain - Replace 1930's Main & Loop	1610001-2	12.0	No	303	\$750,000
155	Cyrus	Conservation - Install Meters	1610001-3	10.0	No	303	\$83,500
322	Darwin	Watermain - Replace Main	1470002-2	5.0	No	244	\$922,000
323	Darwin	Conservation - Install Meters	1470002-3	5.0	No	244	\$140,000
26	Deer River	Treatment - Wellhouse Rehab	1310007-4	12.0	No	903	\$476,000
105	Deerwood	Watermain - Repl 4 inch Mains, Phase 2	1180012-2	10.0	No	590	\$275,436
106	Deerwood	Watermain - Repl 4 inch Mains, Phase 3	1180012-4	10.0	No	590	\$787,000
107	Deerwood	Watermain - Replace Under Hwy 210	1180012-5	10.0	No	590	\$95,000
67	Deerwood	Storage - Replace w/100,000 Gal Tower	1180012-6	11.0	No	532	\$923,000
81	Eagle Bend	Watermain - Phase 2 Replacement	1770004-4	10.0	No	613	\$865,000

**Minnesota Drinking Water Revolving Loan Fund  
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Rank	System	Project	Project #	Priority Points	PHI	Pop.	Estimated Project Cost
82	Eagle Bend	Watermain - Phase 3 Replacement	1770004-5	10.0	No	613	\$485,000
83	Eagle Bend	Watermain - Phase 4 Replacement	1770004-6	10.0	No	613	\$215,925
282	Eagle Lake	Treatment - New Plant, Remove Fe/Mn	1070002-2	7.0	No	2,070	\$3,500,000
20	Easton	Watermain - Connect to Wells	1220005-5	13.0	No	199	\$1,690,000
164	Easton	Conservation - Replace Meters	1220005-6	10.0	No	199	\$45,100
85	Echo	Storage - Replace 50,000 Gal Tower	1870003-3	10.0	No	271	\$774,300
86	Echo	Watermain - Repl CSAH 20, 3rd & East Sts	1870003-4	10.0	No	271	\$1,371,700
172	Elbow Lake	Watermain - Replace for Division St.	1260003-2	10.0	No	1,275	\$665,000
173	Elbow Lake	Treatment - Rehabilitate Plant	1260003-5	10.0	No	1,275	\$1,000,000
276	Elgin	Watermain-Rolling Hills Interconnection	1790001-2	7.0	No	981	\$242,088
325	Empire Township	Treatment - New Plant, Remove Ra, Fe, Mn	1190009-2	5.0	No	1,300	\$7,500,000
135	Erskine	Storage - Remove Original Tower	1600005-6	10.0	No	431	\$58,000
136	Erskine	Watermain - Replace 1947 Lines	1600005-7	10.0	No	431	\$1,179,150
84	Evansville	Treatment - Plant Rehab	1210013-8	10.0	No	612	\$1,476,773
66	Evansville	Storage - Replace Storage Tank	1210013-9	11.0	No	612	\$887,513
168	Eveleth	Storage - Recondition West Water Tower	1690018-6	10.0	No	3,865	\$673,149
169	Eveleth	Watermain - Repl Garfield Street	1690018-7	10.0	No	3,770	\$237,794
170	Eveleth	Storage - 750,000 Gal Tower Rehab	1690018-8	10.0	No	3,770	\$1,312,172
192	Fairmont	Storage - New 3.0 MG Reservoir	1460003-2	10.0	No	10,666	\$2,063,000
144	Frazee	Watermain - Replace Cast Iron Mains	1030014-1	10.0	No	1,374	\$676,710
43	Garfield	Treatment - New Plant, Remove Fe/Mn	1210021-1	12.0	No	308	\$987,527
44	Garfield	Source - New Well	1210021-2	12.0	No	308	\$121,234
46	Gary	Source - Two New Wells	1540010-1	12.0	No	204	\$290,400
47	Gary	Treatment - Remove Fe/Mn	1540010-2	12.0	No	204	\$886,380
71	Gary	Storage - New 50,000 Gal Tower	1540010-3	11.0	No	204	\$831,600
48	Gary	Watermain - Looping	1540010-4	12.0	No	204	\$146,916
69	Gaylord	Storage - Repl w/200,000 Gal Tower	1720002-3	11.0	No	2,305	\$1,675,765
163	Gaylord	Conservation - Replace Meters	1720002-4	10.0	No	2,305	\$275,000
294	Ghent	Storage - New 50,000 Gal Tower	1420004-1	6.0	No	364	\$660,000
313	Ghent	Conservation - Replace Meters	1420004-2	5.0	No	364	\$98,000
156	Glenwood	Watermain - Phase 3 Replacement	1610003-10	10.0	No	2,594	\$958,000



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Rank	System	Project	Project #	Priority Points	PHI	Pop.	Estimated Project Cost
157	Glenwood	Source - Rehab Well No. 5 & 6 Pumphouses	1610003-7	10.0	No	2,594	\$435,200
158	Glenwood	Watermain - Phase 1 Replacement	1610003-8	10.0	No	2,594	\$1,165,000
159	Glenwood	Watermain - Phase 2 Replacement	1610003-9	10.0	No	2,594	\$708,000
281	Glyndon	Watermain - Looping Two Areas	1140005-5	7.0	No	1,393	\$535,000
194	Greenbush	Watermain - Repl Along Hwy 7	1680002-5	10.0	No	719	\$590,904
195	Greenbush	Watermain - Relocation Along Hwy 32	1680002-6	10.0	No	719	\$155,000
196	Greenbush	Watermain - Repl Area 1 - Main Street	1680002-7	10.0	No	719	\$889,206
197	Greenbush	Watermain - Repl Area 2 - 5th Street	1680002-8	10.0	No	719	\$424,033
45	Greenbush	Watermain - Repl Area 3 - Old Ridge Rd.	1680002-9	12.0	No	719	\$456,306
214	Grove City	Watermain - Replace Cast Iron Main	1470007-3	10.0	No	625	\$1,851,000
317	Hampton	Watermain - Replace Cast Iron Main	1190010-4	5.0	No	763	\$643,250
29	Hanley Falls	Watermain - Replace & Loop Main	1870005-4	12.0	No	304	\$2,699,000
228	Hanska	Source - Replace Well #1 with #4	1080002-1	10.0	No	419	\$255,000
268	Hanska	Treatment - New Plant, Remove Fe/Mn	1080002-2	7.0	No	419	\$1,352,000
295	Hanska	Storage - Repl w/100,000 Gal Tower	1080002-3	5.0	No	419	\$638,000
269	Hanska	Watermain - One Loop	1080002-5	7.0	No	419	\$405,000
229	Hanska	Watermain - Repl Transite Main - Phase 2	1080002-6	10.0	No	419	\$2,335,000
252	Harris	Storage - Tower Rehab	1130005-4	10.0	No	378	\$149,900
63	Harris	Watermain - Looping	1130005-5	12.0	No	378	\$364,320
209	Hawley	Watermain - Replace, Phase 3	1140006-7	10.0	No	1,850	\$2,872,000
251	Henderson	Source - New Well #3	1720006-1	10.0	No	886	\$359,864
100	Herman	Source - New Well #2/Rehab #1	1260005-2	10.0	No	425	\$200,000
101	Herman	Storage - Replace Elevated Tower	1260005-3	10.0	No	425	\$750,000
102	Herman	Watermain - Loop and Replace	1260005-4	10.0	No	425	\$580,000
179	Heron Lake	Other - Connect to Red Rock Rural Water	1320002-2	10.0	No	698	\$1,580,769
180	Heron Lake	Storage - Replace 100,000 Gal Tower	1320002-3	10.0	No	698	\$800,000
167	Hibbing	Distribution - Rehab So Booster Station	1690022-5	10.0	No	2,200	\$790,000
216	Hitterdal	Storage - New 50,000 Gallon Tower	1140007-3	10.0	No	201	\$625,000
217	Hitterdal	Conservation - Install Meters	1140007-4	10.0	No	201	\$75,000
79	Hoffman	Watermain - Replace & Loop	1260006-5	10.0	No	682	\$770,000
80	Hoffman	Conservation - Meters	1260006-6	10.0	No	682	\$171,000



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Rank	System	Project	Project #	Priority Points	PHI	Pop.	Estimated Project Cost
304	Hokah	Watermain - Repl STH 44	1280004-1	5.0	No	572	\$377,400
5	Houston	Treatment - Radium Removal	1280005-2	30.0	Yes	9,980	\$2,600,000
198	Houston	Watermain - Ellsworth St. Repair	1280005-3	10.0	No	980	\$143,780
199	Houston	Watermain - Jackson, Lincoln, Spruce Sts	1280005-4	10.0	No	980	\$652,500
123	Howard Lake	Conservation - Replace Meters	1860010-7	10.0	No	2,016	\$253,000
95	Ironton	Source - Rehabilitate Well #2	1180017-5	10.0	No	498	\$38,900
96	Ironton	Treatment - Replace Plant	1180017-6	10.0	No	498	\$1,235,600
97	Ironton	Conservation - Replace Meters	1180017-7	10.0	No	498	\$114,000
112	Isle	Watermain - Replacement	1480001-5	10.0	No	745	\$753,100
113	Isle	Source - Improvements	1480001-6	10.0	No	745	\$307,700
114	Isle	Storage - Tower Rehab	1480001-7	10.0	No	745	\$294,500
181	Jackson	Storage - Recondition/Paint East Tower	1320003-1	10.0	No	3,469	\$175,000
182	Jackson	Watermain - Replace & Install	1320003-2	10.0	No	3,469	\$1,738,700
183	Jackson	Treatment - High Service Pump Imp.	1320003-3	10.0	No	3,354	\$454,440
41	Jackson	Watermain - New River Crossing	1320003-4	12.0	No	3,354	\$420,000
51	Kandiyohi	Treatment - New Fe/Mn Plant & Wells	1340003-3	12.0	No	491	\$2,084,000
72	Kandiyohi	Storage - Repl Tower w/75,000 Gal Tower	1340003-4	11.0	No	491	\$638,000
52	Kandiyohi	Watermain - Looping	1340003-5	12.0	No	491	\$201,600
75	Kelliher	Storage - Replace 50,000 Gal Tower	1040017-1	10.0	No	310	\$750,000
76	Kelliher	Watermain - Replace Old Main	1040017-2	10.0	No	310	\$1,757,000
28	Kerkhoven	Treatment - Remove Fe/Mn	1760006-1	12.0	No	759	\$1,950,000
265	Lake Elmo	Extension - SW Area, Well Contam	1820009-3	10.0	Yes	3,639	\$6,075,000
207	Lakefield	Treatment - Add RO/Plant Rehab	1320004-3	10.0	No	1,694	\$5,126,600
53	LeRoy	Source - Backup Well	1500009-1	12.0	No	900	\$752,482
210	LeRoy	Storage - Repl with 120,000 Gallon Tower	1500009-2	10.0	No	900	\$787,950
211	LeRoy	Watermain - Replace for East County Rd.	1500009-3	10.0	No	900	\$560,232
212	LeRoy	Treatment - Rehab Filter	1500009-4	10.0	No	900	\$362,137
314	Lewiston	Conservation - Replace Meters	1850006-5	5.0	No	1,507	\$204,000
9	Lewiston	Source - New Blending Well for Radium	1850006-6	25.0	Yes	1,400	\$948,259
30	Lewisville	Watermain - Looping & Hydrants	1830003-2	12.0	No	250	\$542,040
19	Lewisville	Source - Connection to RRRWS	1830003-3	13.0	No	250	\$1,036,550



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93	Lewisville	Storage - Elevated Tank Rehab	1830003-4	10.0	No	250	\$328,800
94	Lewisville	Conservation - Replace Meters	1830003-5	10.0	No	250	\$95,570
238	Lincoln-Pipestone RWS	Watermain - Connection to Lewis & Clark	1410007-1	10.0	No	12,271	\$8,687,000
147	Little Falls	Treatment - Phase 1- Filter Rehab	1490002-5	10.0	No	8,797	\$1,400,000
148	Little Falls	Treatment - Phase 2 - Reclaim Tank Rehab	1490002-6	10.0	No	8,797	\$1,300,000
149	Little Falls	Treatment - Phase 3 - Plant Rehab	1490002-7	10.0	No	8,797	\$280,500
55	Littlefork	Watermain - Replace & Loop Various Areas	1360004-6	12.0	No	645	\$4,014,930
319	Lonsdale	Watermain - Repl Cast Iron Main - Area 5	1660006-2	5.0	No	3,800	\$1,752,300
6	Lowry	Treatment - New Plant - Remove As	1610007-3	30.0	Yes	257	\$1,802,799
245	Lowry	Storage - New 50,000 Gallon Tower	1610007-4	10.0	No	257	\$675,583
246	Lowry	Storage - Demolish Tower	1610007-5	10.0	No	257	\$45,000
42	Madison	Treatment - Plant Rehab	1370004-4	12.0	No	1,656	\$1,005,000
309	Madison Lake	Treatment - New Fe/Mn Plant for Well #3	1070007-5	5.0	No	935	\$705,000
278	Madison Lake	Watermain - Repl 4th & 5th, Loop 227th	1070007-6	7.0	No	935	\$831,417
310	Madison Lake	Conservation - Replace Meters	1070007-7	5.0	No	935	\$110,000
119	Mahnomen	Other - Backup Generators	1440002-10	10.0	No	1,222	\$220,500
120	Mahnomen	Watermain - Replace Various Areas	1440002-8	10.0	No	1,222	\$3,518,545
121	Mahnomen	Source - Upgrade Well #4	1440002-9	10.0	No	1,222	\$208,000
267	Maple Plain	Source - New Well #4 & Test Well	1270021-4	8.0	No	1,768	\$585,000
34	Marble	Watermain - Replace and Loop Main	1310023-2	12.0	No	626	\$397,206
116	Menahga	Storage - Repl w/100,000 Gal Tower	1800001-2	10.0	No	1,228	\$770,000
117	Menahga	Watermain - Main Street East Repl	1800001-3	10.0	No	1,228	\$458,430
118	Menahga	Watermain - First Street NW Repl	1800001-4	10.0	No	1,228	\$360,378
242	Minneapolis	Treatment - Fridley Plant Rehab	1270024-11	10.0	No	411,273	\$51,000,000
243	Minneapolis	Treatment - Recarb Improvements	1270024-12	10.0	No	411,273	\$7,030,000
22	Minnesota Lake	Watermain - Connect to Wells	1220013-1	13.0	No	683	\$1,560,000
293	Minnetrissa	Treatment - Two Plants	1270036-3	7.0	No	2,913	\$9,800,000
329	Minnetrissa	Storage - New 0.5 MG Tower	1270036-4	5.0	No	2,913	\$2,400,000
330	Minnetrissa	Watermain - South/Central Connection	1270036-5	5.0	No	2,913	\$2,800,000
23	Montrose	Source - New Well & Wellhouse	1860016-4	13.0	No	2,498	\$956,250
253	Montrose	Treatment - Remove Fe/Mn	1860016-5	10.0	No	2,498	\$7,000,000

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254	Montrose	Storage - Repl Tower w/100,000 Gal Tower	1860016-6	10.0	No	2,498	\$598,500
193	Moose Lake	Source - Well #1 Rehab, New Well House	1090009-3	10.0	No	1,259	\$1,100,000
50	Morgan	Treatment - Remove Fe/Mn & New Wells	1640006-3	12.0	No	896	\$2,125,000
208	Morgan	Storage - Tower Rehab	1640006-5	10.0	No	896	\$407,000
39	Morris	Treatment - New Softening Plant	1750005-2	12.0	No	5,205	\$19,526,530
220	Morristown	Treatment - New Plant, Remove Radium	1660007-1	10.0	No	1,042	\$1,254,000
54	Mountain Iron	Source - New Well	1690035-3	12.0	No	2,869	\$539,000
57	Murdock	Treatment - Repl Plant, Remove Fe/Mn	1760007-1	12.0	No	282	\$1,900,000
221	Murdock	Storage - New 75,000 Gal Tower	1760007-2	10.0	No	282	\$635,000
77	Myrtle	Source - New Pump & Generator	1240015-1	10.0	No	48	\$58,500
65	Myrtle	Storage - New Hydropneumatic Tank	1240015-2	11.0	No	48	\$9,800
78	Myrtle	Watermain - Replace Mains	1240015-3	10.0	No	48	\$224,640
186	Nashwauk	Watermain - TH 65 Replacement	1310024-4	10.0	No	986	\$1,274,670
204	New London	Watermain - Repl Various Blocks	1340005-2	10.0	No	1,251	\$590,000
61	Nicollet	Treatment - Replace Fe/Mn Plant	1520004-7	12.0	No	1,111	\$1,865,565
18	Nicollet	Source - Replace Well No. 1	1520004-8	15.0	No	1,111	\$127,885
185	Northrop	Storage - Tower Rehab	1460006-2	10.0	No	227	\$277,830
24	Onamia	Treatment - New Plant	1480003-4	12.0	No	875	\$2,954,000
25	Onamia	Watermain - Looping	1480003-5	12.0	No	875	\$396,966
74	Onamia	Storage - Tower Rehab	1480003-6	10.0	No	875	\$315,000
292	Oronoco	Watermain - Extend SW, Priv Well Cont.	1550036-2	7.0	No	600	\$1,800,000
12	Oronoco	New System - Phase 2	1550036-3	15.5	Yes	600	\$300,000
188	Osakis	Watermain - Repl 7 Blocks Downtown	1210020-5	10.0	No	1,740	\$522,083
189	Osakis	Watermain - Replace Various Blocks	1210020-6	10.0	No	1,740	\$735,200
237	Oslo	Watermain - Replace & Looping	1450008-1	10.0	No	330	\$3,812,000
218	Ostrander	Storage - New 50,000 Gal Tower	1230008-1	10.0	No	256	\$758,100
219	Ostrander	Watermain - Repl Cast Iron Mains	1230008-2	10.0	No	256	\$2,113,325
15	Ostrander	Source - New Well #3, Rehab Well #2	1230008-3	15.0	No	256	\$1,236,900
230	Paynesville	Distribution - Booster Station	1730018-3	10.0	No	2,298	\$630,000
124	Pelican Rapids	Storage - Recoat Water Tower	1560019-3	10.0	No	2,374	\$500,000
33	Pelican Rapids	Watermain - Replace & Loop - Phase 2	1560019-4	12.0	No	2,374	\$1,904,263



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Rank	System	Project	Project #	Priority Points	PHI	Pop.	Estimated Project Cost
125	Pelican Rapids	Watermain - Repl Various Street	1560019-6	10.0	No	2,476	\$667,600
70	Pennock	Storage - Repl with 50,000 Gal Tower	1340006-1	11.0	No	508	\$768,400
40	Perham	Watermain - Repl & Loop 3rd St NE	1560023-7	12.0	No	3,000	\$2,302,000
177	Perham	Watermain - Replace 2nd Ave SW	1560023-8	10.0	No	3,000	\$872,922
98	Pine River	Source - Replace Wellhouses 1 & 2	1110019-4	10.0	No	944	\$860,000
99	Pine River	Storage - Rehab Towers 1 & 2	1110019-5	10.0	No	944	\$785,000
4	Pipestone	Treatment - New Plant - Gross Alpha/Rad	1590005-3	30.0	Yes	4,317	\$15,373,350
175	Pipestone	Watermain - Replace TH30	1590005-4	10.0	No	4,317	\$574,493
274	Plato	Source - Additional Well #4	1430007-1	7.0	No	355	\$475,000
275	Plato	Treatment - New Plant, Remove Fe/Mn	1430007-2	7.0	No	355	\$2,655,375
301	Plato	Storage - Repl w/100,000 Gallon Tower	1430007-3	5.0	No	355	\$841,000
303	Proctor	Watermain - Replace Various Blocks	1690042-4	5.0	No	2,854	\$1,807,404
302	Racine	Storage - New 75,000 Gal Tower	1500012-1	5.0	No	425	\$726,000
1	Randall	Treatment - Remove Nitrate	1490005-1	40.0	Yes	650	\$1,595,200
288	Randolph	Source New Well, Rehab Wellhouse	1190025-1	7.0	No	355	\$888,000
320	Randolph	Storage - Tower Rehab	1190025-2	5.0	No	355	\$375,000
308	Raymond	Watermain - Repl Day St./ Emerson Ave.	1340008-1	5.0	No	764	\$660,000
187	Red Lake Falls	Watermain - Repl Various Areas	1630003-2	10.0	No	1,429	\$1,487,079
184	Redwood Falls	Watermain - Ponderosa to N. Redwood	1640008-3	10.0	No	5,327	\$750,000
279	Rice	Source - Adtl Well #4	1050002-4	7.0	No	1,279	\$80,000
311	Rice	Treatment - Plant Rehab	1050002-5	5.0	No	1,279	\$500,000
280	Rice	Watermain - Looping	1050002-7	7.0	No	1,279	\$300,000
285	Rice Lake	Watermain - East Calvary Road Loop	1690049-1	7.0	No	650	\$1,740,538
286	Rice Lake	Watermain - Martin Road Loop	1690049-2	7.0	No	650	\$1,300,000
244	Richmond	Storage - Recoat 70,000 Gallon Tower	1730022-4	10.0	No	1,325	\$92,000
223	Riverton	Watermain - Replace	1180025-4	10.0	No	114	\$104,000
32	Round Lake	Treatment - Plant Rehab	1530008-1	12.0	No	411	\$1,024,200
115	Round Lake	Storage - 50,000 Gallon Tower Rehab	1530008-2	10.0	No	411	\$234,000
215	Rush City	Watermain - Replace for TH 361	1130013-5	10.0	No	3,058	\$1,006,284
140	Sacred Heart	Treatment - Plant Rehab	1650013-1	10.0	No	548	\$520,487
141	Sacred Heart	Watermain - Replace	1650013-2	10.0	No	548	\$3,290,270

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Rank	System	Project	Project #	Priority Points	PHI	Pop.	Estimated Project Cost
68	Saint Cloud	Storage - New 1.5MG South Elevated Tank	1730027-6	11.0	No	66,169	\$4,643,022
178	Saint James	Watermain - Repl TH 4	1830006-6	10.0	No	4,611	\$2,900,000
239	Saint Paul Regional Water Services	Other - Repl McCarrons Elec. Equipment	1620026-18	10.0	No	422,660	\$7,536,000
73	Saint Paul Regional Water Services	Other - Generator W. St. Paul Booster	1620026-19	11.0	No	422,660	\$515,000
240	Saint Paul Regional Water Services	Treatment - Repl High Service Pump	1620026-20	10.0	No	422,660	\$700,000
153	Sebeka	Treatment - New Plant, Remove Iron	1800002-7	10.0	No	710	\$1,750,000
154	Sebeka	Watermain - Replace, Phase 2	1800002-8	10.0	No	676	\$975,000
205	Sherburn	Treatment - Replace Fe/Mn Plant	1460007-1	10.0	No	1,115	\$3,599,140
206	Sherburn	Storage - Tower Rehab	1460007-2	10.0	No	1,115	\$422,133
213	Silver Bay	Watermain - Repl at Banks, Rehab P Stat	1380003-9	10.0	No	1,980	\$1,212,879
227	Silver Lake	Storage - New 115,000 Gallon Tank	1430008-1	10.0	No	837	\$598,000
270	South Bend Township	Source - New Well & Transite Main	1070026-5	7.0	No	325	\$920,300
7	Stacy	Treatment - Remove Radium	1130016-3	30.0	Yes	1,357	\$2,200,000
161	Starbuck	Conservation - Replace Meters	1610008-1	10.0	No	1,343	\$312,000
162	Starbuck	Watermain - Repl Cast Iron Mains	1610008-2	10.0	No	1,274	\$235,400
248	Stewart	Storage - Repl w/100,000 Gal Tower	1430009-2	10.0	No	564	\$635,747
249	Stewart	Watermain - Replacement	1430009-5	10.0	No	564	\$1,123,799
62	Stewart	Watermain - Looping	1430009-6	12.0	No	564	\$311,021
8	Stockton	Source - New Low Radium Well	1850020-5	25.0	Yes	365	\$515,715
2	Tower	Treatment - Plant Improvements	1690051-2	30.0	Yes	500	\$2,460,000
202	Tracy	Storage - Tower Rehab	1420010-3	10.0	No	2,179	\$350,000
203	Tracy	Watermain - Loop and Replace	1420010-4	10.0	No	2,179	\$616,100
27	Twin Valley	Treatment - Plant Rehab	1540008-2	12.0	No	900	\$690,000
145	Vernon Center	Treatment - Plant Rehab	1070019-1	10.0	No	332	\$85,560
92	Wadena	Watermain - Replace SW Portion of City	1800004-4	10.0	No	4,293	\$4,925,000
298	Waldorf	Treatment - Plant Rehab & Well Valves	1810003-1	5.0	No	227	\$389,870
299	Waldorf	Storage - Tower Rehab	1810003-2	5.0	No	227	\$439,840
300	Waldorf	Watermain - Replace with Meters	1810003-3	5.0	No	227	\$2,080,300
151	Walker	Watermain - Repl for Michigan Ave	1110013-5	10.0	No	1,186	\$574,031
152	Walker	Watermain - Replace on South Side	1110013-6	10.0	No	1,186	\$1,339,405
150	Walnut Grove	Water Main - Replace Old Water Main	1640014-1	10.0	No	685	\$833,500



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<b>Rank</b>	<b>System</b>	<b>Project</b>	<b>Project #</b>	<b>Priority Points</b>	<b>PHI</b>	<b>Pop.</b>	<b>Estimated Project Cost</b>
222	Warren	Watermain - Northwest Area Repl	1450012-4	10.0	No	1,567	\$743,477
241	Waseca	Watermain - Replace Elm Ave	1810004-2	10.0	No	9,427	\$2,917,000
109	Watkins	Storage - New 50,000 Gal Tower	1470010-2	10.0	No	948	\$751,500
128	Waubun	Storage - Repl w/100,000 Gallon Tower	1440004-1	10.0	No	388	\$635,000
129	Waubun	Watermain - Replacement	1440004-2	10.0	No	388	\$2,500,000
130	Waubun	Conservation - Install Meters	1440004-3	10.0	No	388	\$140,000
318	Waverly	Watermain - Interconnect	1860019-4	5.0	No	997	\$1,485,400
287	Waverly	Treatment - Wellhouse Rehab	1860019-6	7.0	No	997	\$340,000
160	Welcome	Storage - Repl w/150,000 Gal Tower	1460011-2	10.0	No	673	\$1,157,700
38	Wells	Treatment - Lime Softening Plant	1220010-2	12.0	No	2,307	\$12,000,000
200	Wheaton	Storage - Recoat Tower, Add Safety Items	1780004-1	10.0	No	1,508	\$450,000
49	Wheaton	Treatment - Plant Rehab	1780004-3	12.0	No	1,424	\$1,212,000
201	Wheaton	Conservation - Replace Meters	1780004-4	10.0	No	1,424	\$420,000
3	Winger	Treatment - Remove Fe/As and Wells	1600013-2	30.0	Yes	220	\$1,231,000
122	Winger	Storage - Replace 50,000 Gal Tower	1600013-3	10.0	No	220	\$831,000
171	Winnebago	Watermain - Repl Cast Iron Mains	1220011-2	10.0	No	1,437	\$2,087,000
247	Winsted	Storage - Tower Rehab	1430010-4	10.0	No	2,355	\$800,000
174	Winthrop	Watermain - Replace Various Blocks	1720008-1	10.0	No	1,399	\$950,700
37	Winthrop	Watermain - Replace 8th Street & Loop	1720008-2	12.0	No	1,399	\$524,704
224	Wykoff	Watermain - County Road 5	1230013-4	10.0	No	444	\$297,000
			<b>Total</b>				<b>\$558,953,131</b>