

**mn MINNESOTA**  
**PUBLIC FACILITIES AUTHORITY**

February 1, 2019

The Honorable David Senjem  
Chair, Senate Capital Investment Committee

The Honorable Bill Ingebrigtsen  
Chair, Senate Environment and Natural Resources Finance Committee

The Honorable Mary Murphy  
Chair, House Capital Investment Division

The Honorable Rick Hanson  
Chair, House Environment and Natural Resources Finance Division

Dear Senators and Representatives,

Enclosed is the Minnesota Public Facilities Authority's (PFA) 2019 Estimated Funding Needs Report as required by Minnesota Statutes, Section 446A.076. The report identifies estimated funding needs for the Wastewater Infrastructure Funding (WIF) Program and the Point Source Implementation Grant (PSIG) Program.

If you have any questions or would like to discuss the contents of the report please contact me.

Sincerely,



Jeff Freeman  
Executive Director

Enclosure

c: Chris Steller, Legislative Reference Library (2 copies)

**Minnesota Public Facilities Authority**

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## Estimated Funding Needs Report

In Accordance with Minnesota Statutes, Section 446A.076

February 1, 2019

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**Minnesota Public Facilities Authority**

**Estimated Funding Needs  
2019 Report to Legislature**

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*Note (as required by Minnesota Statutes, section 3.197): Preparation of this report required an estimated 116 hours of staff time for a total cost of \$7,700.*

## **Introduction**

Nearly 600 Minnesota municipalities own and operate wastewater systems and over 700 own and operate drinking water systems, all of which are essential to protect public health and the environment. Local governments face significant challenges to maintain these systems, including replacing and rehabilitating aging infrastructure and upgrading treatment processes to meet water quality standards. The Minnesota Public Facilities Authority (PFA) helps municipalities address their water infrastructure needs through several loan and grant programs.

The PFA's largest programs are the Clean Water and Drinking Water Revolving Funds. Since inception in 1990, these revolving loan funds have provided over \$4 billion in low interest loans to cities throughout the State, with below-market interest rates that will save the communities over \$800 million in interest costs.

The PFA also administers two large grant programs that provide additional assistance to help municipalities address their water infrastructure needs, the Water Infrastructure Funding (WIF) program and the Point Source Implementation Grant (PSIG) program. As required by Minnesota Statutes, Section 446A.076, this report identifies estimated funding needs under each program. Estimated grant amounts are based on application submittals, a survey of cities to collect preliminary project information, and other data compiled by the PFA.

## **Water Infrastructure Funding (WIF) Program**

The Water Infrastructure Funding (WIF) program is established in Minnesota Statutes, Section 446A.072. The WIF program provides supplemental grants to municipalities with high cost water infrastructure projects based on affordability criteria established by statute. The PFA awards WIF grants in conjunction with loans from the PFA's Clean Water and Drinking Water Revolving Fund (CWRF and DWRF) programs or the U.S. Department of Agriculture's (USDA) Rural Development grant and loan program.

Municipalities seeking WIF grants must have their projects listed on the Minnesota Pollution Control Agency's (MPCA's) Project Priority List (PPL) for wastewater projects, and the Minnesota Department of Health's (MDH's) PPL for drinking water projects. The PPLs rank projects that are expected to proceed with construction within a five year period according to environmental and public health factors. The WIF program does not have a separate application process. Projects are evaluated for grant eligibility as part of the application process for PFA loans or USDA Rural Development funding. To be eligible for WIF grants, municipalities must also apply for grants from other sources for which they may be eligible.

### **WIF Affordability Criteria**

WIF grants are based on affordability criteria that compare the average annual cost per household of the wastewater or drinking water system to the median household income of

the municipality. While the WIF program is potentially available to all cities, WIF grant recipients tend to be smaller communities which generally have higher costs per household.

The WIF affordability criteria are established in Minnesota Statutes, Section 446A.072, subdivision 5a. For projects receiving PFA loans, the average annual system cost per household is determined by taking the annual operation and maintenance cost of the wastewater or drinking water system, plus existing annual debt service costs from prior capital improvements, plus new debt service on the proposed project, divided by the total number of users. Existing debt service is calculated based on a ten year average to more accurately reflect long-term debt costs. The total number of users is based on a calculation of equivalent residential units (ERUs) in order to capture both residential and non-residential users.

When the average annual system cost per household, including the cost of the new project, exceeds 1.4 percent of median household income for wastewater projects, or 1.2 percent for drinking water projects, the project is eligible to receive a WIF grant to offset a portion of the PFA loan. The amount of the grant is equal to 80 percent of the amount needed to reduce the average residential system cost to the 1.4 percent or 1.2 percent threshold, up to a maximum grant of 80% of eligible project cost or \$5,000,000. The WIF program only provides assistance for project costs necessary to address existing needs, not growth. The WIF eligible project cost is determined by multiplying the total project cost by the Essential Project Component percentage calculated by MPCA or MDH, which represents that portion of the project needed to meet existing needs.

Similar to the PFA process, small rural communities, generally under 1,000 population, with median household incomes below the non-metro state average may apply to USDA Rural Development for wastewater grants and loans. Projects that are eligible to receive a USDA Rural Development grant based on the Rural Development affordability criteria may receive a WIF matching grant for up to 65% of the total grant need determined by USDA Rural Development. This state-federal partnership allows state WIF funds to assist more projects, makes it easier for small communities to access funding, reduces state administrative expenses, and helps USDA Rural Development maximize the federal funds allocated to Minnesota communities.

Whether a WIF grant is awarded in conjunction with a PFA loan or as a match to USDA Rural Development funding, the maximum grant is \$5,000,000 per project or \$20,000 per connection, whichever is less, unless specifically approved by law.

#### *System Replacement Fund Requirement*

Under the provisions of Minnesota Statutes, section 446A.072, subdivision 12, WIF recipients must establish a system replacement fund and annually deposit \$.050 per 1000 gallons of flow to be used for major rehabilitation, expansion, or replacement of the wastewater or drinking water system. The funds are held by the municipality and must remain in a dedicated system replacement account for the life of the corresponding PFA or USDA-RD loan, unless use of the

funds is approved by the PFA for eligible capital improvements. WIF recipients submit an annual certification to the PFA documenting their system replacement fund deposits and balances. A recipient is not required to maintain a replacement fund balance greater than the amount of the WIF grant received.

### Estimated WIF Needs

WIF grants are awarded to eligible projects based on their priority rank on the MPCA or MDH project priority lists and their readiness to proceed. Under Minnesota Statutes, section 446A.072, subdivision 3(d), each fiscal year the PFA reserves available funds for eligible projects when they are certified by the MPCA or MDH, or when the project receives a funding commitment from USDA Rural Development. Funds are reserved in an amount based on the project cost estimate when the project is certified or the as-bid cost, whichever is less, and awarded when construction begins.

Tables 1 (drinking water projects) and 2 (wastewater projects) on pages 9-12 identify potential WIF eligible projects on the respective 2019 Project Priority Lists. Grey shading indicates projects where WIF grant funds have been awarded or are reserved as described above. Estimated grant amounts based on preliminary project information are shown for the unshaded projects. Estimated grant amounts may change and other eligible projects may be added as new project information is received. Table 1 also shows federal DWRF principal forgiveness grant funds that will be used to help address WIF needs. Federal appropriation language allows a small portion of the federal funds to be awarded as principal forgiveness grants based on state affordability criteria.

Projects in each table are divided into three groups. The first are FY 2018 Carryover Projects in priority order that were certified by June 30, 2018 and therefore have WIF funds reserved or awarded. The second group are potential WIF eligible projects in priority order that are listed on the 2019 Intended Use Plan for CWRP or DWRF loans, or have submitted Preliminary Engineering Reports to USDA Rural Development and are therefore potentially eligible for a Rural Development funding commitment in FY 2019. The third group in each table are other projects on the 2019 PPLs that are expected to proceed with construction in FY 2020 or later where preliminary information indicates a potential WIF need.

Table 1 shows the total cumulative WIF grant need for drinking water projects on the Health Department's 2019 project priority list is estimated at \$76.5 million. This amount will likely grow as projects on the 2019 Intended Use Plan submit formal loan applications and additional information is received on other projects. The table shows \$26.8 million in available funds at the beginning of FY 2019, including \$25 million appropriated in 2018 from general obligation bonds. As indicated by the dotted line, the available funds are expected to fund all FY 2018 Carryover Projects and the first nine projects in priority order on the potential FY 2019 list. Additional appropriations will be needed for the remaining potential FY 2019 projects below the dotted line and potential FY 2020 projects.

Table 2 shows the total cumulative WIF grant need for wastewater projects on the Pollution Control Agency's 2019 Project Priority List is estimated at \$88.8 million. This amount will likely grow as projects on the 2019 Intended Use Plan submit formal loan applications and additional information is received on other projects. The table shows \$36.1 million in available funds at the beginning of FY 2019. As indicated by the bold dotted line, the available funds are expected to fund all FY 2018 Carryover Projects and the first project in priority order on the potential FY 2019 list. An additional \$14.65 million appropriated by the Legislature in 2018 was intended to be funded from appropriation bonds backed by the Environmental and Natural Resources Trust Fund, but those funds are not currently available due to a legal challenge to the constitutionality of that appropriation. Additional appropriations will be needed for the remaining potential FY 2019 and FY 2020 projects.

### **Point Source Implementation Grants (PSIG) Program**

The Point Source Implementation Grant (PSIG) program is established in Minnesota Statutes, Section 446A.073. The PSIG program provides grants to help cities upgrade treatment facilities to reduce the discharge of specific pollutants to meet regulatory requirements. PSIG grants are provided for 80% of eligible project costs up to \$7 million. Only those projects and project components that are directly related to meeting the specific pollutant requirement are eligible.

Each July the PFA accepts PSIG applications from cities and other local governments for projects that they believe to be eligible for PSIG grants and that they plan to proceed with construction within the upcoming year. PSIG grants are not awarded until projects are approved and certified by the Minnesota Pollution Control Agency (MPCA) and the city submits as-bid costs to the PFA. Grant funds are reserved for projects that receive MPCA approval and certification by the end of each fiscal year (June 30).

Table 3 on pages 13-14 identifies potential PSIG projects on the 2019 Project Priority List, starting with FY 2018 Carryover Projects (certified by 6/30/18) in priority order, followed by FY 2019 PSIG applications in priority order. The MPCA has not yet confirmed PSIG eligibility for the FY 2019 applications. The PSIG eligible costs and estimated grant amounts for these projects are determined by the applicant and may change following MPCA review.

Table 3 shows the total PSIG grant need for projects on the 2019 Project Priority List is estimated at \$127.6 million. The table shows \$18.6 million in available funds at the beginning of FY 2019. The available funds will fund the first three carryover projects as indicated by the bold dotted line. An additional \$38.35 million appropriated by the Legislature in 2018 was intended to be funded from appropriation bonds backed by the Environmental and Natural Resources Trust Fund, but those funds are not currently available due to a legal challenge to the constitutionality of that appropriation. Additional appropriations will be needed to fund the seven additional FY 2018 Carryover Projects and any of the FY 2019 applicants whose projects are approved and certified by the MPCA by June 30, 2019.

## **Estimated Average Annual Wastewater Residential Costs**

Minnesota Statutes, Section 446A.076 also requires this report to show average annual residential wastewater treatment rates with and without the estimated WIF and PSIG grants for communities identified in this report, and to compare those costs to three times the Twin Cities metropolitan area average as determined by the Metropolitan Council.

As described in the WIF statute under Section 446A.072, Subdivision 5a(b), the financial impact to residential users is determined by average annual residential wastewater system cost including operation and maintenance costs, existing debt service, and new project debt service. While WIF eligibility determinations and residential user charges reflect all of these costs, the operation and maintenance costs and existing debt service are fixed costs that are not affected by PFA funding. Only the new project debt service can be offset by PFA grants and loans.

Table 4 on pages 15-16 show estimated project funding and estimated average annual residential system costs for FY 2018 carryover and potential FY 2019 wastewater WIF and PSIG projects. Potential FY 2020 and beyond projects are not included because the data is too preliminary and unreliable. Fixed (non-project) costs are shown along with estimated new project debt service costs with and without the state WIF and PSIG grants. Estimated new project debt service assumes PFA or USDA-RD loan rates and terms. For projects that include USDA Rural Development funding, new project debt service without state WIF and PSIG grants are marked “NA” because it is not possible to predict how USDA Rural Development funding would be affected by the lack of co-funding from state grants.

The table also shows that the Twin Cities metro area 2018 average residential cost is \$307. Statutes require this amount to be multiplied times three for comparison, which equals \$921.

In general, smaller communities typically have higher average residential costs than large cities because they have fewer users over which to spread the system costs. But there are many other factors that can vary significantly from one city to another which can make it very difficult to directly compare user costs. These can include the age and condition of the collection and treatment system components, the types of other non-residential users, the types of treatment facilities, the geography, geology, and hydrology of the area and the condition and classification of receiving waters. In addition cities often phase system improvements over multiple years, making snapshot comparisons unreliable.



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**Minnesota Public Facilities Authority  
Water Infrastructure Funding (WIF) Program**

**WIF - DRINKING WATER  
FY 2019**

**Potential WIF Grant Eligible Projects**

- Grant estimates are based on affordability criteria and preliminary project information.
- Other eligible projects may be added as new project information is received.
- Estimated WIF amounts are subject to change.

For WIF funds to be reserved, a project must:

- 1) be certified for construction by MDH, or
- 2) have an approved PER by USDA-RD and receive a RD funding commitment

Pre-2018 appropriations available as of 7/1/2018: \$ 1,761,363  
 2018 g.o. bonds: \$ 25,000,000  
 -----  
 \$ 26,761,363

2017 fed principal forg remaining: 1,348,261  
 2018 fed principal forg: 3,391,000  
 -----  
 4,739,261

Shading = WIF funds awarded or reserved to date

Dotted line (---) indicates the last project that can be fully funded based on current estimates and available funds

MDH 2019 PPL Rank	MDH 2019 PPL Pts	Project Description	Estimated Project Cost	DWRF Federal Principal Forgiveness Grant	Estimated WIF Grant with PFA DWRF Loan	Estimated WIF Grant to match USDA-RD	Estimated WIF Need, Cumulative	County
<b>WIF Needs - FY 2018 Carryover Projects</b>								
Verndale	1	35	Treatment - Remove Nitrate	3,705,878	2,397,100	444,316	444,316	Wadena
Winger	3	30	Treatment - Remove Fe/As and Wells	2,383,985	1,484,065	-	444,316	Polk
Houston	4	30	Treatment - Radium Removal	3,101,000	323,016	1,677,784	2,122,100	Houston
Albert Lea - Stables Area	8	15	Watermain - Consolidate Stables Area	1,308,420	-	841,653	2,963,753	Freeborn
Carlton	10	15	Treatment - Replace Plant, New Well	5,872,881	-	3,697,782	6,661,535	Carlton
Onamia	21	12	Watermain - Looping	592,000	-	-	6,917,535	Mille Lacs
Fertile	29	12	Watermain - Repl & Loop Various Areas	2,240,181	-	527,883	7,445,418	Polk
Stewart	42	12	Watermain - Looping	270,220	-	216,176	7,661,594	McLeod
Greenbush	44	12	Watermain - Repl Area 3 - Old Ridge Rd	426,490	-	341,192	8,002,786	Roseau
Gary	48	12	Source - Two New Wells	258,000	-	-	8,104,493	Norman
Gary	49	12	Treatment - Remove Fe/Mn	1,255,000	-	-	8,599,229	Norman
Gary	50	12	Watermain - Looping	90,000	-	-	8,634,708	Norman
Gary	58	11	Storage - New 50,000 Gal Tower	712,000	-	-	8,902,786	Norman
Pine River	62	10	Source - Replace Wellhouses 1 & 2	1,068,395	-	854,716	9,757,502	Cass
Pine River	63	10	Storage - Rehab Towers 1 & 2	1,047,240	-	361,792	10,119,294	Cass
Eden Valley	88	10	Watermain - Repl Various Areas	935,283	-	691,692	10,810,986	Meeker
Kensington	101	10	Source - Repl Well #5	150,000	-	-	10,881,657	Douglas
Kensington	102	10	Treatment - Plant Rehab, Generator	664,200	-	-	11,194,585	Douglas
Kensington	104	10	Watermain - Repl Cast Iron Main	660,900	-	-	11,475,986	Douglas
Canby	144	10	Watermain - Replacement, Phase 2	2,717,272	-	960,454	12,436,440	Yellow Medicine
Canby	145	10	Watermain - Replacement, Phase 3	3,458,347	-	1,093,644	13,530,084	Yellow Medicine
Canby	146	10	Treatment - Plant Upgrade	237,510	-	190,008	13,720,092	Yellow Medicine
Waubun	150	10	Watermain - Replacement	3,633,000	-	-	14,320,092	Mahnomen
Elbow Lake	152	10	Watermain - Replace for Division St.	702,193	-	532,000	14,852,092	Grant
Currie	162	10	Watermain - Replace and Loop	3,071,000	-	-	16,475,092	Murray
Stewart	181	10	Watermain - Replacement	1,105,673	-	884,538	17,359,631	McLeod
Greenbush	197	10	Watermain - Relocation Along Hwy 32	171,898	-	137,519	17,497,150	Roseau
Greenbush	198	10	Watermain - Repl Area 2 - 5th Street	543,069	-	434,455	17,931,605	Roseau
Lowry	204	10	Storage - New 50,000 Gallon Tower	668,850	535,080	-	17,931,605	Pope
Rice Lake	272	7	Watermain - East Calvary Road Loop	2,991,379	-	1,171,503	19,103,108	St. Louis
Waverly	276	7	Treatment - Wellhouse Rehab	413,080	-	330,464	19,433,572	Wright
<b>FY 2018 Carryover Projects</b>			<b>46,455,344</b>	<b>4,739,261</b>	<b>15,389,572</b>	<b>4,044,000</b>		
<b>Potential 2019 WIF Needs - FY 2019 IUP &amp; RD Projects (other WIF eligible projects may be added)</b>								
Deer River	18	12	Treatment - Wellhouse Rehab	860,000	-	-	19,733,572	Itasca
Twin Valley	28	12	Treatment - Plant Rehab	1,094,250	-	712,689	20,446,261	Norman
Frazee	40	12	Treatment - Replace Treatment Plant	2,124,000	-	396,720	20,842,980	Becker
Evansville	55	11	Storage - Replace Storage Tank	1,112,150	-	889,720	21,732,700	Douglas
Dawson	56	11	Storage - New 250,000 Gal Tower	1,263,500	-	1,010,800	22,743,500	Lac qui Parle
Walker	90	10	Watermain - Replace on North Side	1,022,000	-	795,203	23,538,704	Cass
Evansville	121	10	Conservation - Meter Upgrade	54,700	-	43,760	23,582,464	Douglas
Evansville	122	10	Treatment - Plant Rehab	2,120,740	-	1,696,592	25,279,056	Douglas
Battle Lake	123	10	Watermain - Replace	2,746,000	-	1,438,735	26,717,791	Otter Tail
Dawson	135	10	Watermain - Replacement	10,620,500	-	2,541,681	29,259,473	Lac qui Parle
Barrett	136	10	Treatment - Plant Rehab	711,500	-	-	29,613,496	Grant
Barrett	137	10	Watermain - Replace Various Areas	1,369,500	-	-	30,294,923	Grant
Clarkfield	175	10	Other - Connect to Lincoln Pipestone Rd	3,500,000	-	-	32,569,923	Yellow Medicine
Wood Lake	218	8	Source - New Well #4, Seal Wells 1 & 2	279,000	-	-	32,698,555	Yellow Medicine
Easton	222	8	Watermain - Connect to Wells	4,285,450	-	-	34,938,555	Faribault
New London	224	7	Watermain - Repl 3rd, Cedar & Loop	1,114,000	-	891,200	35,829,755	Kandiyohi
Wood Lake	234	7	Treatment - Repl Plant & Equipment	1,346,000	-	-	36,450,326	Yellow Medicine
Saint Augusta	279	7	Treatment - New Fe/Mn Plant & Wells	7,548,900	-	3,586,906	40,037,232	Stearns
<b>FY 2019 WIF Needs</b>			<b>43,172,190</b>	-	<b>14,004,007</b>	<b>6,599,654</b>		

Other Potential WIF Needs, FY 2020 and beyond									
	MDH 2018 PPL Rank	MDH 2018 PPL Pts	Project Description	Estimated Project Cost		Estimated WIF Grant with PFA DWRF Loan	Estimated WIF Grant to match USDA-RD	Estimated WIF Need, Cumulative	County
Tower	5	25	Treatment - Plant Improvements	2,460,000	-	1,968,000	-	42,005,232	St. Louis
Aurora	9	15	Consolidation - E Mesabi Joint Water S	17,200,000	-	5,000,000	-	47,005,232	St. Louis
Twin Lakes Township	17	12.5	Watermain - Extension to Arsenic Wells	7,500,000	-	-	1,840,000	48,845,232	Carlton
Onamia	20	12	Treatment - New Plant	3,080,000	-	-	1,502,823	50,348,055	Mille Lacs
Gonvick	24	12	Treatment - Plant Rehab	275,000	-	-	80,438	50,428,492	Clearwater
Gonvick	25	12	Watermain - Repl Various Areas	3,243,000	-	-	948,578	51,377,070	Clearwater
Garfield	32	12	Treatment - New Plant, Remove Fe/Mn	987,527	-	-	288,852	51,665,921	Douglas
Garfield	33	12	Source - New Well	121,234	-	-	35,461	51,701,382	Douglas
Onamia	75	10	Storage - Tower Rehab	340,000	-	-	165,896	51,867,278	Mille Lacs
Ironton	76	10	Source - Rehabilitate Well #2	38,900	-	-	18,964	51,886,242	Crow Wing
Ironton	77	10	Treatment - Replace Plant	1,235,600	-	-	602,355	52,488,597	Crow Wing
Ironton	78	10	Conservation - Replace Meters	114,000	-	-	55,575	52,544,172	Crow Wing
Calumet	94	10	Watermain - Alley Replacement	415,000	-	-	121,388	52,665,560	Itasca
Calumet	95	10	Watermain - Repl 6th Ave/Shipka St.	260,000	-	-	76,050	52,741,610	Itasca
Walnut Grove	96	10	Watermain - Replace Old Water Main	833,500	-	-	406,331	53,147,941	Redwood
Erskine	108	10	Watermain - Replace 1947 Lines	1,179,150	-	870,916	-	54,018,857	Polk
Heron Lake	131	10	Storage - Replace 100,000 Gal Tower	800,000	-	640,000	-	54,658,857	Jackson
Eagle Bend	132	10	Watermain - Phase 4 Replacement	216,000	-	172,800	-	54,831,657	Todd
Houston	177	10	Watermain - Jackson, Lincoln, Spruce &	652,500	-	522,000	-	55,353,657	Houston
Hanska	191	10	Source - Replace Well #1 with #4	255,000	-	-	74,588	55,428,245	Brown
Hanska	192	10	Watermain - Repl Transite Main - Phase	2,335,000	-	-	682,988	56,111,232	Brown
Comfrey	202	10	Watermain - Replace Cast Iron Main	1,678,000	-	807,488	-	56,918,720	Brown
Avoca	216	8	Other - Connect to Red Rock Rural Wai	503,200	-	-	245,310	57,164,030	Murray
Murdock	217	8	Source - Two Replacement Wells	186,600	-	-	54,581	57,218,611	Swift
Minnesota Lake	221	8	Watermain - Connect to Wells	5,100,000	-	-	1,480,000	58,698,611	Blue Earth
Amboy	226	7	Watermain - Repl North St., Loop Radke	988,600	-	612,977	-	59,311,587	Blue Earth
Murdock	230	7	Treatment - New Fe/Mn Treatment Plar	1,690,000	-	-	494,325	59,805,912	Swift
Murdock	231	7	Watermain - Replace & Loop	376,181	-	-	110,033	59,915,945	Swift
Morgan	243	7	Treatment - Remove Fe/Mn & New Wel	2,125,000	-	-	621,563	60,537,508	Redwood
Truman	247	7	Treatment - Rehab Plant w/RO System	1,892,900	-	993,279	-	61,530,787	Martin
Kerkhoven	249	7	Treatment - Remove Fe/Mn/As	1,950,000	-	-	570,375	62,101,162	Swift
Kerkhoven	250	7	Watermain - Loop & Replace	1,135,350	-	-	332,090	62,433,252	Swift
Lake Lillian	251	7	Watermain - Repl & Loop Various Areas	4,114,000	-	-	2,005,575	64,438,827	Kandiyohi
Hanska	252	7	Treatment - New Plant, Remove Fe/Mn	1,352,000	-	-	395,460	64,834,287	Brown
Russell	263	7	Watermain - Repl & Loop	4,890,000	-	2,797,930	-	67,632,217	Lyon
Hanley Falls	266	7	Watermain - Replace & Loop Main	2,625,000	-	-	767,813	68,400,029	Yellow Medicine
Rice Lake	273	7	Watermain - Martin Road Loop	1,300,000	-	1,040,000	-	69,440,029	St. Louis
Vernon Center	277	7	Treatment - New Plant	1,950,000	-	-	570,375	70,010,404	Blue Earth
Murdock	285	6	Storage - New 50,000 Gal Tower	715,000	-	-	209,138	70,219,542	Swift
Bird Island	292	5	Other - Backup Generator	158,250	-	126,600	-	70,346,142	Renville
Stewart	302	5	Storage - Repl w/100,000 Gal Tower	635,747	-	508,598	-	70,854,739	McLeod
Verndale	305	5	Storage - New 75,000 Gal Tower	910,000	-	248,000	-	71,102,739	Wadena
Wood Lake	309	5	Storage - Water Tower Rehab	982,000	-	-	452,750	71,555,489	Yellow Medicine
Wood Lake	310	5	Watermain - Repl Cast Iron & AC Mains	3,843,000	-	-	1,771,809	73,327,298	Yellow Medicine
Badger	316	5	Treatment - Repl Plant Piping System	102,182	-	-	29,888	73,357,186	Roseau
Badger	317	5	Storage - Replace Riser Pipe	38,318	-	-	11,208	73,368,394	Roseau
Badger	318	5	Watermain - Repl Area 1	836,000	-	-	244,530	73,612,924	Roseau
Badger	319	5	Watermain - Repl Area 2	667,000	-	-	195,098	73,808,022	Roseau
Badger	320	5	Storage - Rehab Tower	296,000	-	-	86,580	73,894,602	Roseau
Morgan	323	5	Storage - Tower Rehab	407,000	-	-	119,048	74,013,649	Redwood
Kennedy	326	5	Storage - Tower Rehab	362,500	-	-	106,031	74,119,681	Kitson
Kennedy	327	5	Watermain - Replace Various Areas	1,400,000	-	-	409,500	74,529,181	Kitson
Lake Lillian	339	5	Treatment - Repl Filter Media	85,000	-	-	41,438	74,570,618	Kandiyohi
Hanska	342	5	Storage - Repl w/100,000 Gal Tower	638,000	-	-	186,615	74,757,233	Brown
Greenbush	351	5	Watermain - Repl Area 1 - Main Street	889,206	-	711,365	-	75,468,598	Roseau
Hanley Falls	370	5	Watermain - Replace	2,491,000	-	-	728,618	76,197,215	Yellow Medicine
Hanley Falls	371	5	Conservation - Replace Meters	131,000	-	-	38,318	76,235,533	Yellow Medicine
Easton	374	5	Conservation - Replace Meters	45,100	-	-	27,585	76,263,118	Faribault
Hitterdal	379	5	Storage - New 50,000 Gallon Tower	625,000	-	-	182,813	76,445,931	Clay
Hitterdal	380	5	Conservation - Install Meters	75,000	-	-	21,938	76,467,868	Clay
Other potential WIF needs				93,730,545		17,019,953	19,410,684		

**Minnesota Public Facilities Authority  
Water Infrastructure Funding (WIF) Program**

**WIF - Wastewater  
FY 2019**

**Potential WIF Grant Eligible Projects**

- Grant estimates are based on affordability criteria and preliminary project information.
- Other eligible projects may be added as new project information is received.
- Estimated WIF amounts are subject to change.

**Funds available as of 7/1/2018: \$ 36,061,141**

**2018 ENRTF Appropriation Bonds (not available): \$ 14,652,000**

**50,713,141**

For WIF funds to be reserved, a project must:

- 1) be certified for construction by MPCA, or
- 2) have an approved PER by USDA-RD and receive a RD funding commitment

Shading = WIF funds awarded or reserved to date

Dotted line (---) indicates last project that can be fully funded based on current estimates and available funds

	MPCA 2019 Rank	MPCA 2019 Pts	Project Description	Estimated Project Cost	Estimated WIF Grant with PFA CWRP Loan	Estimated WIF Grant to match USDA-RD	Estimated WIF Need, Cumulative	County
<b>WIF Needs - FY 2018 Carryover Projects</b>								
Tracy	4.1	88	Rehab collection, Ph 3a	9,245,000	-	3,400,000	3,400,000	Lyon
Gilbert	5	86	Adv trmt - mercury, rehab treatment	12,060,764	-	-	3,400,000	St. Louis
Rice Lake	10	81	Rehab collection, remove lift station	275,024	220,019	-	3,620,019	St. Louis
DeGraff	11	81	Unsewered, collection and treatment	4,897,000	-	15,740	3,635,759	Swift
Sacred Heart 1	13.1	81	Rehab collection, ph 2	1,379,218	-	797,630	4,433,389	Renville
Sacred Heart 2	13.2	81	Rehab treatment, ph 2	1,658,661	-	615,370	5,048,759	Renville
Winnebago	15	79	Rehab collection in NW	2,699,051	1,679,241	-	6,728,000	Faribault
Canby	28	68	Rehab collection	5,516,238	978,464	-	7,706,464	Yellow Medicine
Currie	32	68	Rehab collection	1,721,000	-	923,000	8,629,464	Murray
Little Falls	36	66	Adv trmt - phos, rehab treatment	21,284,850	-	-	8,629,464	Morrison
Chisholm	39	66	Rehab collection - Lakeview	2,986,528	2,389,222	-	11,018,686	St. Louis
Brownston	42	65	Adv trmt - phos, rehab collection	3,793,000	-	1,335,000	12,353,686	McLeod
Lucan	48	63	Rehab/expand existing ponds	1,652,000	-	455,000	12,808,686	Redwood
Waldorf	55	61	Rehab collection, new WWTP	5,490,000	-	1,800,000	14,608,686	Waseca
Lake-Woods Co - Whee	60	61	Unsewered, collection and treatment	10,147,000	-	3,555,000	18,163,686	Lake of the Woods
Albert Lea - Stables Are.	65	59	Unsewered, sewer extension	2,141,297	1,000,000	-	19,163,686	Freeborn
Waubun	81	58	Rehab collection	4,340,000	-	1,477,000	20,640,686	Mahnomen
Silver Bay	86	57	Adv trmt - mercury, rehab treatment	3,038,000	867,814	-	21,508,500	Lake
Stewart	87	57	Rehab collection	1,538,667	1,230,934	-	22,739,434	McLeod
WLSSD - Combined He	90.4	56	Main switchgear replacement	3,924,390	1,381,385	-	24,120,819	St. Louis
Waverly 1	116.1	53	Rehab collection Ph 2, N Shore Drive	2,052,936	1,642,349	-	25,763,168	Wright
Clarkfield	127	51	Rehab collection and treatment	7,176,000	-	1,875,000	27,638,168	Yellow Medicine
Ostrander	136	49	Rehab collection, Ph 2	1,489,000	-	180,000	27,818,168	Fillmore
Two Harbors	199	42	Rehab main lift station	1,914,650	1,531,720	-	29,349,888	Lake
<b>FY 2018 Carryover Projects</b>				<b>153,495,697</b>	<b>12,921,148</b>	<b>16,428,740</b>		
<b>Potential 2019 WIF Needs - FY 2019 IUP &amp; RD Projects (other WIF eligible projects may be added)</b>								
Lakefield	1	98	Adv trmt - phos, rehab collection/treatment	11,008,000	-	4,010,733	33,360,621	Jackson
Wood Lake	6	83	Rehab collection and treatment	8,401,000	-	4,702,750	38,063,371	Yellow Medicine
Trosky	21	73	Unsewered, collection and treatment	3,000,000	-	103,440	38,166,811	Pipestone
Ogilvie	27	70	Rehab treatment	3,718,000	-	2,416,700	40,583,511	Kanabec
Easton	59	61	Rehab collection	1,752,000	-	684,450	41,267,961	Faribault
Dumont	83	58	Rehab treatment facility	1,606,000	-	913,900	42,181,861	Traverse
Borup	85	58	Rehab collection and treatment	1,940,000	-	900,000	43,081,861	Norman
Waverly 2	116.2	53	Rehab collection Ph 3, Lake west side	2,650,000	1,345,483	-	44,427,344	Wright
Dresbach Twp	137	48	Unsewered, collection and treatment	5,128,120	739,262	-	45,166,606	Winona
Detroit Lakes	141	48	Rehab collection	2,480,000	1,726,098	-	46,892,704	Becker
Annandale	187	43	Rehab collection	2,572,000	1,634,178	-	48,526,882	Wright
Deer River	193	43	Pond expansion and improvements	3,541,097	2,182,603	-	50,709,486	Itasca
<b>FY 2019 WIF Needs</b>				<b>47,796,217</b>	<b>7,627,624</b>	<b>13,731,973</b>		

**Other Potential WIF Needs, FY 2020 and beyond**

	MPCA 2019 Rank	MPCA 2019 Pts	Project Description	Estimated Project Cost	Estimated WIF Grant with PFA CWRP Loan	Estimated WIF Grant to match USDA-RD	Estimated WIF Need, Cumulative	County
Trimont	2	93	Adv trmt-phos, rehab coll and trmt	7,599,000	-	2,222,708	52,932,193	Martin
Tracy	4.2	88	Rehab collection, Ph 3b	4,976,000	-	634,400	53,566,593	Lyon
Walnut Grove	19	76	Rehab collection and treatment	6,659,925	-	1,948,028	55,514,621	Redwood
Oronoco	46	63	Unsewered, new WWTP	35,922,250	2,240,000	-	57,754,621	Olmsted
Pelican Rapids	51	63	Rehab collection	3,955,000	2,652,508	-	60,407,129	Otter Tail
Ely	70	58	Rehab collection	2,106,750	1,418,111	-	61,825,240	St. Louis
Cromwell	82	58	Rehab existing system	350,000	-	102,375	61,927,615	Carlton
Kennedy	84	58	Rehab collection	2,160,000	-	631,800	62,559,415	Kittson

	MPCA		Project Description	Estimated Project Cost	<u>Estimated</u> WIF		<u>Estimated</u> WIF Need, Cumulative	County
	2019 PPL Rank	2019 PPL Pts			Grant with PFA CWRF Loan	Grant to match USDA-RD		
Le Center	97	56	Rehab collection	7,541,000	1,337,943	-	63,897,358	Le Sueur
Walker	104	55	Rehab collection	1,780,000	1,159,697	-	65,057,055	Cass
Detroit Lakes	113	53	Replace lift station	155,000	107,881	-	65,164,936	Becker
Darwin	117	53	Rehab collection and treatment	3,330,000	1,613,813	-	66,778,749	Meeker
Bovey	128	51	Rehab collection	450,000	-	131,625	66,910,374	Itasca
Howard Lake	135	49	Rehab collection, Ph 2	7,625,500	5,000,000	-	71,910,374	Wright
Calumet	147	48	Rehab collection	160,000	116,480	-	72,026,854	Itasca
Silver Creek Twp - Stew	167	46	Unsewered, collection and treatment	18,080,400	-	3,320,000	75,346,854	Lake
Buhl	170	46	Rehab collection	2,130,600	-	623,201	75,970,055	St. Louis
Tintah	184	44	Unsewered, potential SSTS	2,700,000	-	460,000	76,430,055	Traverse
East Gull Lake	185	44	Consolidate treatment	4,170,000	2,321,228	-	78,751,283	Cass
Warba	195	43	Adv trmt - mercury, rehab collection and trmt	2,278,000	-	214,500	78,965,783	Itasca
Browerville 2	207	39	Rehab treatment	6,205,600	3,634,393	-	82,600,176	Todd
Twin Valley	213	38	Rehab collection	1,020,000	-	497,250	83,097,426	Norman
Barrett	217	38	Rehab collection	2,500,000	-	958,100	84,055,526	Grant
Sebek	222	35	Rehab collection	900,000	-	438,750	84,494,276	Wadena
Grasston	226	34	Rehab collection and pond	1,507,000	-	440,798	84,935,074	Kanabec
Babbitt	230	33	Adv trmt - mercury, rehab treatment	600,000	480,000	-	85,415,074	St. Louis
New London	231	33	Rehab collection	449,900	342,592	-	85,757,666	Kandiyohi
Fountain	234	32	Rehab treatment	352,000	252,865	-	86,010,531	Fillmore
Oslo	237	31	Rehab collection and pond	4,055,000	-	357,500	86,368,031	Marshall
Long Prairie	243	25	Rehab/expand treatment	7,638,000	1,367,433	-	87,735,465	Todd
Lone Pine Township - S	255	1	Unsewered, connect to Nashauk	13,513,000	1,050,809	-	88,786,274	Itasca
<i>Other potential WIF needs</i>				154,997,338	25,095,755	12,981,034		

**Minnesota Public Facilities Authority**  
**Point Source Implementation Grant (PSIG) Program**

**PSIG**  
**FY 2019**

**Funds available as of 7/1/2018 (from CWF and 2017 g.o. bonds) :** **18,551,858**  
**2018 ENRTF Appropriation Bonds (not available):** **38,348,000**  
**56,899,858**

*Note: New PSIG applications accepted at beginning of each FY. PSIG grants not awarded until projects are bid and ready for construction.*

*Shading = PSIG grants awarded or reserved to date*

*Dotted line (---) indicates last project that can be fully funded based on current estimates and available funds*

PSIG Grant Applicant	MPCA 2019 PPL Rank	MPCA 2019 PPL Pts	Project Description	Estimated Total Project Cost	Applicant Estimated PSIG Project Cost	<u>Estimated</u> PSIG Grant (80%, \$7M max)	<u>Estimated</u> Grant Need, Cumulative	County
<b>FY 2018 PSIG Carryover Projects (certified by 6/30/2018)</b>								
Gilbert	5	86	Adv trmt - mercury, rehab treatment	12,060,764	8,297,360	6,637,888	6,637,888	St. Louis
Windom	20	73	Adv trmt - phos/nitrogen, rehab collection	18,941,979	7,897,058	6,317,646	12,955,534	Cottonwood
Glencoe	22	73	Adv trmt - phos, rehab treatment	24,899,551	7,386,368	5,596,324	18,551,858	McLeod
Marshall WTP	30	68	Adv trmt - chlorides, new WTP	10,161,651	10,161,651	7,000,000	25,551,858	Lyon
Little Falls	36	66	Adv trmt - phos, rehab treatment	21,284,850	8,645,291	6,916,233	32,468,091	Morrison
Silver Bay	86	57	Adv trmt - mercury, rehab treatment	3,038,000	741,670	593,336	33,061,427	Lake
Austin - Turtle Creek 2	109	53	Unsewered, connect to Austin	1,966,342	1,637,946	1,310,357	34,371,784	Mower
Columbia Heights - Stormwater	110	53	Silver Lake pond improvements	324,048	324,048	259,238	34,631,022	Anoka
Le Sueur Co - West Jefferson Lake	119	52	Unsewered, connect to Cleveland	6,001,432	6,001,432	4,801,146	39,432,168	Le Sueur
Clearwater River Watershed District	238	30	Adv trmt - nitrogen, rehab treatment	2,617,405	2,617,405	2,093,924	41,526,092	Stearns
<b>FY 2019 PSIG Applications</b>								
Lakefield	1	98	Adv trmt - phos, rehab collection/treatment	11,008,000	105,334	84,267	41,610,359	Jackson
Mountain Lake	9	83	Adv trmt - phos, new WWTP	14,832,450	3,443,230	2,754,584	44,364,943	Cottonwood
DeGraff	11	81	Unsewered, collection and treatment	4,897,000	4,730,325	3,784,260	48,149,203	Swift
Zumbro Township	14	79	Unsewered, potential SSTS	5,686,498	5,686,498	4,549,198	52,698,401	Wabasha
Lakefield - WTP	17	78	Adv trmt - chlorides, install RO	2,861,268	2,861,268	2,289,014	54,987,415	Jackson
Trosky	21	73	Unsewered, collection and treatment	3,000,000	2,995,700	2,396,560	57,383,975	Pipestone
Loretto	23	73	Regionalization with MCES	1,496,000	1,496,000	1,196,800	58,580,775	Hennepin
Hoyt Lakes 2	31.2	68	Adv trmt - mercury	10,137,521	8,144,127	6,515,302	65,096,077	St. Louis
Staples	40	66	Adv trmt - phos/mercury, rehab trmt	8,461,200	7,217,947	5,774,358	70,870,435	Todd
Cascade Twp	44	64	Remove pond, connect to Rochester	2,127,413	2,127,413	1,701,930	72,572,365	Olmsted
Oronoco	46	63	Unsewered, new WWTP	35,922,250	15,729,304	7,000,000	79,572,365	Olmsted
Watertown	47	63	Rehab/expand existing system	10,430,000	7,668,929	6,135,143	85,707,508	Carver

PSIG Grant Applicant	MPCA 2019 PPL Rank	MPCA 2019 PPL Pts	Project Description	Estimated Total Project Cost	Applicant Estimated PSIG Project Cost	<u>Estimated</u> PSIG Grant (80%, \$7M max)	<u>Estimated</u> Grant Need, Cumulative	County
Lanesboro	71	58	New WWTP, rehab collection	8,472,500	7,172,500	5,738,000	91,445,508	Fillmore
Minnehaha Creek WD - Stormwater	94	56	Blake Road stormwater trmt, ph 2/3	2,734,350	2,734,350	2,187,480	93,632,988	Hennepin
Wells WTP	96	56	Adv trmt - chlorides, regional WTP	6,270,690	6,270,690	5,016,552	98,649,540	Faribault
Minnesota Lake WTP	100	56	Decommission, connect to Wells	5,252,251	5,252,251	4,201,801	102,851,341	Blue Earth
Easton WTP	101	56	Decommission, connect to Wells	4,828,000	4,432,272	3,545,818	106,397,159	Faribault
Cokato	131	50	Adv trmt - phos, rehab treatment	2,764,211	2,722,290	2,177,832	108,574,991	Wright
Dresbach Twp	137	48	Unsewered, collection and treatment	5,128,120	5,128,120	4,102,496	112,677,487	Winona
Inver Grove Heights - Stormwater	139	48	Rain gardens and bioretention	612,550	612,550	490,040	113,167,527	Dakota
Two Harbors	149	47	Rehab/expand treatment system	16,500,000	2,028,276	1,622,621	114,790,148	Lake
Willmar - WTP	201	41	Adv trmt - chlorides, new WTP	8,929,302	8,929,302	7,000,000	121,790,148	Kandiyohi
Albertville	245	23	Rehab treatment, move discharge	8,597,215	7,266,646	5,813,317	127,603,465	Wright
				282,244,811	168,465,550	127,603,465		

Wastewater WIF and PSIG Projects - FY 2018 carryover and FY 2019 potential projects																	
Estimated Average Annual Residential Wastewater System Costs, with and without state grants																	
Shading = WIF/PSIG grant funds awarded to date																	
						For comparison: Twin Cities metropolitan area 2018 average annual residential wastewater cost: \$ 307.00 X 3 = \$ 921.00											
					ESTIMATED Project Funding						ESTIMATED Average Annual Residential System Costs						
					Grant				Loan		Fixed Costs (non-project)		Project Costs without State Grants		Project Costs with State Grants		
Municipality	MPCA 2019 PPL Rank	Project Description	Households (Equivalent Residential Units - ERUs)	Estimated Project Cost	Estimated PFA WIF Grant	Estimated PFA PSIG Grant	Estimated Other Grants	Source	Estimated PFA CWRF Loan	Estimated USDA-RD Loan	Operation & Maintenance Cost	Existing Debt Service (10 yr avg)	New Project Debt Service	Total Annual Cost	New Debt Service	Estimated WIF Replacement Fund	Total Annual Cost
FY 2018 Carryover Projects - Wastewater WIF and PSIG																	
Tracy	4.1	Rehab collection, Ph 3a	1,125	9,245,000	3,400,000	-	2,845,000	USDA-RD	-	3,000,000	119.32	111.37	NA	NA	106.23	2.50	339.43
Gilbert	5	Adv trmt - mercury, rehab tre	1,668	12,060,764	-	6,637,888	462,444	IRRRB,CDE	4,960,432	-	405.74	144.82	269.43	820.00	115.23	-	665.80
Rice Lake	10	Rehab collection, remove lift	353	275,024	220,019	-	-		55,005	-	649.19	574.25	30.19	1,253.63	6.04	2.50	1,231.98
DeGraff	11	Unsewered, collection and tre	63	4,897,000	15,740	3,784,260	1,045,000	USDA-RD	-	52,000	450.79	-	NA	NA	32.88	2.50	486.17
Sacred Heart	13	Rehab collection and treatme	281	3,037,879	1,413,000	-	1,289,879	USDA-RD	-	335,000	327.76	135.82	NA	NA	47.49	2.50	513.57
Winnebago	15	Rehab collection in NW	879	2,699,051	1,679,241	-	600,000	SCDP	419,810	-	390.56	255.68	95.26	741.49	19.05	2.50	667.79
Windom	20	Adv trmt - phos/nitrogen, reh	5,058	18,941,979	-	6,317,646	3,000,000	2018 st bo	9,624,333	-	239.73	66.88	122.13	428.74	73.73	-	380.34
Glencoe	22	Adv trmt - phos, rehab treatn	3,455	24,899,551	-	5,596,324	3,702,129	SPAP,FedF	15,601,098	-	271.12	18.81	244.74	534.67	180.12	-	470.05
Canby	28	Rehab collection	1,345	5,516,238	978,464	-	-		4,537,774	-	126.58	280.66	158.92	566.16	130.73	2.50	540.47
Currie	32	Rehab collection	148	1,721,000	923,000	-	737,000	USDA-RD	-	61,000	219.59	25.66	NA	NA	16.42	2.50	264.17
Little Falls	36	Adv trmt - phos, rehab treatn	4,095	21,284,850	-	6,916,233	986,454	Fed PF GP	13,382,163	-	266.71	53.29	197.73	517.73	130.36	-	450.35
Chisholm	39	Rehab collection - Lakeview	2,765	2,986,528	2,389,222	-	-		597,306	-	542.71	21.79	42.47	606.97	8.49	2.50	575.50
Brownnton	42	Adv trmt - phos, rehab collect	386	3,793,000	1,335,000	-	724,000	USDA-RD	-	1,734,000	346.11	-	NA	NA	178.95	2.50	527.57
Lucan	48	Rehab/expand existing ponds	120	1,652,000	455,000	-	250,000	USDA-RD	-	947,000	251.71	-	NA	NA	362.41	2.50	616.62
Waldorf	55	Rehab collection, new WWTP	134	5,490,000	1,800,000	-	2,165,000	USDA-RD	-	1,525,000	223.88	-	NA	NA	453.36	2.50	679.74
Lake-Woods Co - Whi	60	Unsewered, collection and tre	197	10,147,000	3,555,000	-	4,457,000	USDA-RD	-	2,135,000	379.30	-	NA	NA	431.73	2.50	813.53
Albert Lea - Stables A	65	Unsewered, sewer extension	50	2,141,297	1,000,000	-	-		1,141,297	-	231.52	-	1,659.42	1,890.94	884.46	2.50	1,118.48
Waubun	81	Rehab collection	212	4,340,000	1,477,000	-	1,049,000	USDA-RD	-	1,814,000	108.49	7.82	NA	NA	340.86	2.50	459.67
Silver Bay	86	Adv trmt - mercury, rehab tre	961	3,038,000	867,814	593,336	-		1,576,850	-	489.07	3.39	126.10	618.57	65.45	2.50	560.42
Stewart	87	Rehab collection	266	1,538,667	1,230,934	-	-		307,733	-	285.60	353.36	224.14	863.10	44.83	2.50	686.29
WLSDD - Combined H	90.4	Main switchgear replacement	43,017	3,924,390	1,381,385	-	635,751	Fed PF GP	1,907,254	-	509.88	158.46	3.05	671.39	1.77	2.50	672.61
Austin - Turtle Creek	109	Unsewered, connect to Austi	40	1,966,342	-	1,310,357	-		655,985	-	360.00	-	1,960.94	2,320.94	654.18	-	1,014.18
Waverly 1	116.1	Rehab collection Ph 2, N Shor	412	2,052,936	1,642,349	-	-		410,587	-	728.16	320.01	193.08	1,241.24	38.62	2.50	1,089.28
Le Sueur Co - West Je	119	Unsewered, connect to Cleve	130	6,001,432	-	4,801,146	-		1,200,286	-	829.91	-	1,841.52	2,671.43	368.30	-	1,198.21
Clarkfield	127	Rehab collection and treatme	534	7,176,000	1,875,000	-	2,101,000	USDA-RD	-	3,200,000	206.93	42.13	NA	NA	238.72	2.50	490.28
Ostrander	136	Rehab collection, Ph 2	128	1,489,000	180,000	-	1,021,000	USDA-RD	-	288,000	488.88	142.38	NA	NA	89.63	2.50	723.40
Two Harbors	199	Rehab main lift station	1,505	1,914,650	1,531,720	-	-		382,930	-	752.39	5.29	49.30	806.97	9.86	2.50	770.04
Clearwater River Wat	238	Adv trmt - nitrogen, rehab tre	113	2,617,405	-	2,093,924	-		523,481	-	663.72	-	923.97	1,587.68	184.79	-	848.51
Potential 2019 WIF Needs and 2019 PSIG Applications																	
Lakefield	1	Adv trmt - phos, rehab collect	989	11,008,000	4,010,733	84,267	2,513,000	USDA-RD	-	4,400,000	338.62	97.90	NA	NA	204.31	2.50	643.34
Wood Lake	6	Rehab collection and treatme	195	8,401,000	4,702,750	-	2,622,250	USDA-RD	-	1,076,000	361.54	211.79	NA	NA	219.81	2.50	795.65



Wastewater WIF and PSIG Projects - FY 2018 carryover and FY 2019 potential projects																	
Estimated Average Annual Residential Wastewater System Costs, with and without state grants																	
Shading = WIF/PSIG grant funds awarded to date																	
					For comparison: Twin Cities metropolitan area 2018 average annual residential wastewater cost:										\$ 307.00	X 3 =	\$ 921.00
					ESTIMATED Project Funding						ESTIMATED Average Annual Residential System Costs						
					Grant				Loan		Fixed Costs (non-project)		Project Costs without State Grants		Project Costs with State Grants		
Municipality	MPCA 2019 PPL Rank	Project Description	Households (Equivalent Residential Units - ERUs)	Estimated Project Cost	Estimated PFA WIF Grant	Estimated PFA PSIG Grant	Estimated Other Grants	Source	Estimated PFA CWRF Loan	Estimated USDA-RD Loan	Operation & Maintenance Cost	Existing Debt Service (10 yr avg)	New Project Debt Service	Total Annual Cost	New Debt Service	Estimated WIF Replacement Fund	Total Annual Cost
Mountain Lake	9	Adv trmt - phos, new WWTP	2,157	14,832,450	-	2,754,584	-		12,077,866	-	127.49	204.46	274.30	606.25	223.36	-	555.31
DeGraff	11	Unsewered, collection and tre	63	4,897,000	15,740	3,784,260	1,045,000	USDA-RD	-	52,000	450.79	-	NA	NA	32.88	2.50	486.17
Zumbro Township	14	Unsewered, potential SSTS	85	5,686,498	-	4,549,198	-		1,137,300	-	518.16	-	2,668.64	3,186.81	533.73	-	1,051.89
Trosky	21	Unsewered, collection and tre	47	3,000,000	103,440	2,396,560	400,000	USDA-RD	-	100,000	744.68	-	NA	NA	97.71	2.50	844.89
Loretto	23	Regionalization with MCES	257	1,496,000	-	1,196,800	-		299,200	-	431.91	-	232.20	664.11	46.44	-	478.35
Ogilvie	27	Rehab treatment	154	3,718,000	2,416,700	-	1,201,300	USDA-RD	-	100,000	766.23	50.65	NA	NA	25.87	2.50	845.25
Hoyt Lakes 2	31.2	Adv trmt - mercury	943	10,137,521	-	6,515,302	-		3,622,219	-	344.64	200.81	428.83	974.29	153.22	-	698.68
Staples	40	Adv trmt - phos/mercury, reh	1,514	8,461,200	-	5,774,358	-		2,686,842	-	309.11	60.68	222.93	592.73	70.79	-	440.59
Cascade Twp	44	Remove pond, connect to Ro	248	2,127,413	-	1,701,930	-		425,483	-	375.00	-	342.19	717.19	68.44	-	443.44
Oronoco	46	Unsewered, new WWTP	128	35,922,250	2,240,000	7,000,000	500,000	State GF	26,182,250	-	363.37	-	11,039.02	11,402.39	8,159.46	2.50	8,525.33
Watertown	47	Rehab/expand existing syste	1,799	10,430,000	-	6,135,143	-		4,294,857	-	277.93	4.62	231.27	513.82	95.23	-	377.78
Easton	59	Rehab collection	112	1,752,000	684,450	-	369,000	USDA-RD	-	698,550	292.86	-	NA	NA	286.43	2.50	581.78
Lanesboro	71	New WWTP, rehab collection	505	8,472,500	-	5,738,000	-		2,734,500	-	308.02	23.04	669.24	1,000.31	216.00	-	547.06
Dumont	83	Rehab treatment facility	62	1,606,000	913,900	-	492,100	USDA-RD	-	200,000	450.97	236.77	NA	NA	148.14	2.50	838.38
Borup	85	Rehab collection and treatme	45	1,940,000	900,000	-	850,000	USDA-RD	-	190,000	480.00	-	NA	NA	193.90	2.50	676.40
Waverly 2	116.2	Rehab collection Ph 3, Lake w	412	2,650,000	1,345,483	-	-		1,304,517	-	728.16	219.99	256.57	1,204.72	126.30	2.50	1,076.95
Cokato	131	Adv trmt - phos, rehab treatn	1,202	2,764,211	-	2,177,832	-		586,379	-	510.23	-	91.73	601.97	19.46	-	529.69
Dresbach Twp	137	Unsewered, collection and tre	91	5,128,120	739,262	4,102,496	-		286,362	-	769.23	626.37	2,247.92	3,643.53	125.53	2.50	1,523.63
Detroit Lakes	141	Rehab collection	7,757	2,480,000	1,726,098	-	-		753,902	-	393.90	172.32	12.75	578.97	3.88	2.50	572.59
Two Harbors	149	Rehab/expand treatment syst	2,913	16,500,000	-	1,622,621	-		14,877,379	-	435.98	10.19	225.95	672.11	203.73	-	649.89
Annandale	187	Rehab collection	1,428	2,572,000	1,634,178	-	-		937,822	-	715.27	507.51	71.85	1,294.62	26.20	2.50	1,251.47
Deer River	193	Pond expansion and improve	678	3,541,097	2,182,603	-	-		1,358,494	-	195.43	453.64	208.34	857.41	79.93	2.50	731.49
Albertville	245	Rehab treatment, move disch	3,182	8,597,215	-	5,813,317	-		2,783,898	-	191.33	69.03	107.78	368.14	34.90	-	295.26