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# Estimated Funding Needs Report

Report to the Legislative Capital Investment and  
Environmental and Natural Resource Finance Committees

In Accordance with Minnesota Statutes, Section 446A.076

January 31, 2022

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**Minnesota Public Facilities Authority  
2022 Estimated Funding Needs Report**

Table of Contents

Introduction ..... 3

Water Infrastructure Funding (WIF) Program ..... 3

    WIF Affordability Criteria ..... 4

    System Replacement Fund Requirement ..... 5

    Estimated WIF Needs ..... 5

Point Source Implementation Grants (PSIG) Program..... 6

    Estimated PSIG Needs ..... 6

Estimated Average Annual Residential Wastewater System Costs ..... 7

*Table 1: Estimated WIF Needs: Drinking Water.....9-10*

*Table 2: Estimated WIF Needs: Wastewater .....11-12*

*Table 3: Estimated PSIG Needs .....13-14*

*Table 4: Estimated Average Annual Residential Wastewater System Costs .....15-18*

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*Note (as required by Minnesota Statutes, section 3.197): Preparation of this report required an estimated 106 hours of staff time for a total cost of \$7,458.*

## **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. Maintaining these systems is a major responsibility for local governments. Challenges include replacing and rehabilitating aging infrastructure and upgrading treatment facilities to meet current water quality standards. The Minnesota Public Facilities Authority (PFA) helps municipalities construct projects to meet 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 \$4.4 billion in low interest loans to municipalities throughout the State, with below-market interest rates that are saving communities over \$900 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 these programs. In many cases, the estimated grant amounts in this report are based on preliminary project information and have not been finalized.

## **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 based on affordability criteria established by statute. The PFA awards WIF grants in conjunction with loans from its Clean Water and Drinking Water Revolving Fund (CWRF and DWRF) programs and project funding from the U.S. Department of Agriculture's (USDA) Rural Development grant and loan program.

Municipalities seeking WIF grants must have their projects listed on project priority lists (PPLs) developed by the Minnesota Pollution Control Agency (MPCA) for wastewater projects, and the Minnesota Department of Health (MDH) 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 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. Grants are not awarded until as-bid construction are submitted and all application information is verified. If a project's as-bid costs would result in a grant award larger than the amount reserved, the PFA will award the higher amount if sufficient funds are available.

### 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 that typically have higher costs per household.

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 for the proposed project for the maximum allowable term, divided by the total number of users. Existing debt service is calculated based on a ten year average to fairly 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 and drinking water 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 for 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

Table 1 (drinking water projects) and Table 2 (wastewater projects) on pages 9-12 identify potential WIF eligible projects on the respective 2022 Project Priority Lists. Grey shading indicates projects since the beginning of FY 2022 where WIF grants have already been awarded or where estimated grant funds are reserved (as described above). Unshaded amounts indicate estimated grants based on preliminary project information that have not yet been reserved. Estimated grants (shaded and unshaded) may change and new projects may be added to the list as project costs change and as final application information is received and verified.

The tables also show potential projects to receive federal principal forgiveness funds, which are part of the annual federal funding appropriated for the state revolving loan programs. Under federal law the principal forgiveness funds can be awarded as grants to reduce project costs that would otherwise be included in the loan principal. Under state statutes, federal principal forgiveness funds can be awarded based on the same affordability criteria as WIF grants. State statutes also allow principal forgiveness funds to be used to assist green infrastructure projects, for non-municipal community drinking water systems, and for projects to replace drinking water lead service lines.

Projects in each table are divided into categories based on their readiness (previously certified, on the current Intended Use Plan, or potential future year projects) and listed in priority order within each category. Each table indicates with a dotted line how far down the project list the available funds will reach. Current available funds will meet the estimated grant needs for all pending projects certified prior to June 30, 2021. (Available funds include a pending transfer of \$5.6 million from drinking water to wastewater as authorized in the 2020 WIF appropriation language.)

New funding appropriations are needed for potential new WIF eligible projects on the 2022 Intended Use Plans that have not yet been certified, or those that are potentially eligible for a Rural Development funding commitment in FY 2022. The list of potential 2022 WIF eligible projects may grow as projects on the 2022 Intended Use Plan submit formal loan applications and additional project information is received.

The final category in each table are other projects on the 2022 Project Priority Lists that are expected to proceed with construction in future years where preliminary information indicates a potential WIF need.

Total estimated unfunded WIF needs for all identified eligible projects on the 2022 Project Priority Lists are \$107 million for drinking water and \$87 million for wastewater. Additional eligible projects will likely be identified as project reviews proceed.

### **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 improve water quality by reducing the discharge of specific pollutants. 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 for which they plan to proceed with construction in 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).

#### *Estimated PSIG Needs*

Table 3 on pages 13-14 identifies potential PSIG projects on the 2022 Project Priority List, starting with Carryover Projects (certified prior to June 30, 2021) in priority order, followed by FY 2022 PSIG applications in priority order. The MPCA has not yet confirmed PSIG project eligibility and eligible costs for FY 2022 applications. In most cases, the PSIG eligible costs and estimated grant amounts for these projects are determined by the applicant and may change following MPCA review.

The PSIG table shows the total funds available at the start of FY 2022 from prior appropriations. A dotted line indicates how far down the list the available funds will reach. The total unfunded (below the dotted line) PSIG grant need is currently estimated at approximately \$70 million. New PSIG applications will again be accepted in July 2022.

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

For wastewater projects with identified WIF or PSIG grant needs, 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, and to compare those costs to three times the Twin Cities metropolitan area average as determined by the Metropolitan Council.

To compare one community to another, the financial impact to residential users (rates) is determined by calculating the average annual system cost per household for operation and maintenance, existing debt service, and new project debt service. This is the same formula specified in MS 446A.072 to determine per household costs for WIF eligibility. While WIF determinations are based on total system costs, only new project costs can be offset by PFA grants and loans. Operation and maintenance and existing debt service are fixed costs that cannot be reduced by PFA project funding.

Table 4 on pages 15-18 shows estimated project funding and estimated average annual residential system costs for potential wastewater WIF and PSIG projects with current available data. Fixed (non-project) costs are shown along with estimated new project debt service costs with and without PFA WIF and PSIG grants. Estimated new project debt service assumes current PFA or USDA-RD loan rates and terms. For purposes of the report, it is assumed that the estimated PFA or USDA-RD loan amount for each project would be increased by the amount of the WIF and/or PSIG grants under the “Without PFA Grants” scenario.

The table also shows the Twin Cities metropolitan area weighted average annual retail charge per household is \$347 based on the most recent Metropolitan Council survey done in 2020. The report statute requires this amount to be multiplied by three for comparison, which equals \$1,041.

In general, smaller communities typically have higher average residential costs than larger cities because they have fewer users over which to spread the system costs. Also, projects in unsewered communities involve construction of both a new sewer collection system and treatment facility, making these projects more expensive than improvements to existing systems. In addition, there are many other factors that can vary significantly from one community to another which can make it very difficult to compare user costs. These can include the age and condition of the collection and treatment system components, the type and size of non-residential users, the type of treatment facilities, the geography, geology, and hydrology of the area, and discharge permit requirements based on the condition and classification of receiving waters. Also, cities often phase system improvements over multiple years, making snapshot comparisons difficult.

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

**WIF - DRINKING WATER  
FY 2022**

*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 - subject to change**

**DW WIF funds available as of 7/1/2021** \$ 24,519,682  
 Pending transfer to CW WIF \$ (5,639,526)  
 \$ 18,880,156

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

**2020 federal princ forg (grant) available as of 7/1/21:** \$ 2,427,649  
**2021 federal princ forg (grant) available as of 7/1/21:** \$ 3,358,400  
 5,786,049

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 2022 Rank	MDH 2022 Pts	Project Description	Estimated Project Cost	DWRF 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 2020 Carryover Projects (certified by 6/30/2020)</b>									
Two Harbors	46	12	Treatment - Repl Chlorine Contact Tanl	5,020,142	1,470,892	2,545,222	-	2,637,919	Lake
Murdock	347	8	Source - Two Replacement Wells	232,370	-	-	92,697	2,637,919	Swift
Murdock	355	7	Treatment - New Fe/Mn Treatment Plan	1,991,950	-	-	794,020	3,431,939	Swift
Murdock	356	7	Watermain - Replace & Loop	618,000	-	-	246,533	3,678,472	Swift
<b>FY 2020 Carryover Projects</b>				<b>7,862,462</b>	<b>1,470,892</b>	<b>2,545,222</b>	<b>1,133,250</b>		
<b>WIF Needs - FY 2021 Carryover Projects (certified by 6/30/2021)</b>									
La Salle	13	15	Source - Connect to Red Rock RWS	818,000	-	-	371,301	4,049,773	Watonwan
Battle Lake	19	13	Source - New Well #5	1,180,556	424,135	-	-	4,049,773	Otter Tail
Wood Lake	25	13	Source - New Well #4, Seal Wells 1 & 2	550,000	-	-	261,000	4,310,773	Yellow Medicine
Onamia	32	12	Treatment - New Plant	3,972,200	-	-	1,504,978	5,815,751	Mille Lacs
Dawson	39	12	Treatment - Plant Rehab	828,720	-	662,976	-	6,478,727	Lac qui Parle
La Salle	51	12	Watermain - Looping	332,000	-	-	150,699	6,629,426	Watonwan
Askov	52	12	Watermain - Repl & Loop	1,609,367	1,115,232	-	-	6,629,426	Pine
Wood Lake	60	12	Treatment - Repl Plant & Equipment	1,927,000	-	-	916,784	7,546,210	Yellow Medicine
Onamia	117	10	Storage - Tower Rehab	250,800	-	-	95,022	7,641,232	Mille Lacs
Cosmos	128	10	Watermain - Repl - Phase 1	3,031,000	-	-	929,000	8,570,232	Meeker
Henning	139	10	Watermain - Repl CIP on 2nd St.	689,374	-	551,499	-	9,121,731	Otter Tail
Dawson	167	10	Watermain - Replacement - Phase 2	7,964,842	-	5,000,000	-	14,121,731	Lac qui Parle
Pipestone	178	10	Watermain - Connect Well #5 to WTP	909,777	-	727,822	-	14,849,553	Pipestone
Pipestone	179	10	Watermain - Repl 2nd St. SE	1,429,364	-	1,143,491	-	15,993,044	Pipestone
Boyd	197	10	Watermain - Repl, ph1	1,460,000	-	-	947,000	16,940,044	Lac Qui Parle
Frazee	199	10	Watermain - Repl Maple Ave to 2nd St.	506,000	-	404,800	-	17,344,844	Becker
Lanesboro	215	10	Watermain - Repl Kirkwood St.	718,435	-	574,748	-	17,919,592	Fillmore
Lanesboro	216	10	Watermain - Repl Various Streets	507,103	-	405,682	-	18,325,275	Fillmore
Kennedy	286	10	Storage - Booster Stat., Gen. Demo To	2,253,000	-	-	350,000	18,675,275	Kitson
Saint Paul Regional Wa	307	10	Other - Lead Service Line Replacem	500,000	250,000	-	-	18,675,275	Ramsey
<b>FY 2021 Carryover Projects</b>				<b>31,437,538</b>	<b>1,789,367</b>	<b>9,471,019</b>	<b>5,525,784</b>		
<b>POTENTIAL 2022 WIF Needs (ESTIMATED) - FY 2022 IUP &amp; RD Projects (projects must be approved/certified by 6/30/22, other eligible projects may be added)</b>									
Danube	2	30	Treatment - New Ra/Fe/Mn Plant	3,190,000	-	-	835,000	19,510,275	Renville
Lake Lillian	3	30	Treatment - WTP Improvements Remo	4,221,000	-	-	2,518,100	22,028,375	Kandiyohi
Glennville	5	20	Treatment - Water trtmnt plant & wells	4,000,000	-	2,050,323	-	24,078,698	Freeborn
Easton	6	18	Consolidation - Connection to Wells	3,873,000	-	-	2,000,000	26,078,698	Faribault
Belview	9	15	Source - New Wells & Raw Watermain	474,000	-	-	214,269	26,292,967	Redwood
Aurora	12	15	Consolidation - E Mesabi Joint Water S	20,500,000	-	5,000,000	-	31,292,967	St. Louis
Morgan	20	13	Source - New Wells, Seal Old Wells	225,000	-	-	103,223	31,396,190	Redwood
Swanville	26	13	Source - New Well, Seal #1	2,159,960	-	-	1,052,981	32,449,170	Morrison
Morgan	55	12	Treatment - Remove Fe/Mn	2,650,000	-	-	853,958	33,303,128	Redwood
Russell	72	12	Watermain - Repl & Loop	7,836,000	-	-	4,256,200	37,559,328	Lyon
Mendota	85	12	Watermain - Area 1 Loop	1,406,000	-	200,000	-	37,759,328	Dakota
Mendota	86	12	Watermain - Area 3 Loop	1,780,000	-	580,000	-	38,339,328	Dakota
Harris	88	12	Watermain - Looping	541,600	-	433,280	-	38,772,608	Chisago
Harris	89	12	Source - New Well	541,600	-	433,280	-	39,205,888	Chisago
Kandiyohi	96	11	Storage - Repl Tower w/75,000 Gal Tov	1,724,000	-	-	1,008,540	40,214,428	Kandiyohi
Ironton	118	10	Treatment - Replace Plant	4,684,000	-	-	1,586,390	41,800,818	Crow Wing
Appleton	140	10	Watermain - Water Distribution Imprvnt	8,425,500	-	5,000,000	-	46,800,818	Swift
Belview	142	10	Treatment - New Plant	2,340,000	-	-	1,057,781	47,858,600	Redwood
Eagle Bend	159	10	Watermain - Phase 5 St & Utility Projec	899,800	-	719,840	-	48,578,440	Todd
Henning	175	10	Watermain - Inman St. Underground Im	535,000	-	428,000	-	49,006,440	Otter Tail
Pipestone	188	10	Other - Lead Service Line Replacem	60,000	30,000	-	-	49,006,440	Pipestone
Pipestone	189	10	Watermain - Repl, NE Area ph 1	935,543	-	748,434	-	49,754,874	Pipestone
Clarkfield	200	10	Other - Connect to Lincoln Pipestone R	2,650,000	-	-	1,722,500	51,477,374	Yellow Medicine
Braham	217	10	Watermain - Repl Various Areas	12,425,000	-	5,000,000	-	56,477,374	Isanti
Morgan	241	10	Storage - Tower Rehab	609,000	-	-	135,819	56,613,193	Redwood
Kiester	251	10	Watermain - Distribution Improvements	6,108,000	-	-	1,814,800	58,427,993	Swift
Edgerton	254	10	Watermain - Repl Cast Iron Mains, ph1	9,085,000	-	-	1,814,150	60,242,143	Pipestone
Ortonville	256	10	Watermain - Multiple Areas	5,475,000	-	1,547,950	-	61,790,093	Big Stone
Warren	266	10	Watermain - Repl 4th St. to Ross St.	625,000	-	500,000	-	62,290,093	Marshall
Sauk Rapids	277	10	Other - Lead Service Line Repl - Privat	210,600	105,300	-	-	62,290,093	Benton
Duluth	281	10	Other - Private LSL Repl, Phase 1	560,000	250,000	-	-	62,290,093	St. Louis
Royalton	285	10	Other - Lead Service Line Replacem	250,000	125,000	-	-	62,290,093	Morrison
Dassel	288	10	Watermain - First St. Main Replacem	941,440	-	753,152	-	63,043,245	Meeker
New London	292	10	Watermain - Distribution Improvements	1,253,550	-	1,002,840	-	64,046,085	Kandiyohi
Swanville	296	10	Storage - New 100,000 Gal Tower	594,875	-	-	290,002	64,336,086	Morrison

2022 Estimated Funding Needs Report

Table 1

Taconite	306	10	Storage - Repl 50,000 Gal. Tower	1,400,000	-	-	375,050	64,711,136	St. Louis
Saint Paul Regional Wai	325	10	Other - Lead Service Replacement Rou	500,000	250,000	-	-	64,711,136	Ramsey
Kandiyohi	326	10	Watermain - Repl McLaughlin & 3rd St.	473,000	-	-	276,705	64,987,841	Kandiyohi
Kandiyohi	327	10	Watermain - Phase 1 - Replacement	1,683,000	-	-	984,555	119,784,787	Kandiyohi
Harris	342	10	Storage - Tower Rehab	394,695	-	315,756	-	66,288,152	Chisago
Silver Lake	384	7	Treatment - New Pressure Filter Plant	2,399,909	-	-	1,033,939	67,322,091	McLeod
Vernon Center	395	7	Treatment - New Plant	2,764,300	-	-	633,094	67,955,185	Blue Earth
<b>FY 2022 WIF Needs</b>				<b>123,404,372</b>	<b>760,300</b>	<b>24,712,856</b>	<b>24,567,055</b>		

**Other Potential WIF Needs (Estimated), FY 2023 and beyond**

	MDH 2022 PPL Rank	MDH 2022 PPL Pts	Project Description	Estimated Project Cost		Estimated WIF Grant with PFA DWRFL Loan	Estimated WIF Grant to match USDA-RD	Estimated WIF Need, Cumulative	County
Clitherall	1	30	New System - Connect Private Wells w	2,800,000	-	-	1,220,000	69,175,185	Otter Tail
Coates	7	17.5	Other - New System Supplied by Roser	16,800,000	-	1,700,000	-	70,875,185	Dakota
Cuyuna	8	15	Source - Repl with Wells #2 & #3/Treat	459,300	-	-	223,909	71,099,094	Crow Wing
Dawson	24	13	Source - New Well, Seal #6	166,400	-	133,120	-	71,232,214	Lac Qui Parle
Gonvick	35	12	Treatment - Plant Rehab	275,000	-	-	134,063	71,366,277	Clearwater
Gonvick	36	12	Watermain - Repl Various Areas	3,243,000	-	-	1,580,963	72,947,239	Clearwater
Elbow Lake	44	12	Watermain - Replace & Loop 2nd	806,250	-	645,000	-	73,592,239	Grant
Danube	56	12	Watermain - Looping	894,913	-	-	436,270	74,028,509	Renville
Bellingham	62	12	Treatment - New Plant	2,500,000	-	-	1,218,750	75,247,259	Lac Qui Parle
Underwood	65	12	Treatment - Replace Plant	3,600,000	-	-	1,755,000	77,002,259	Otter Tail
Hokah	66	12	Treatment - New Plant or Blend	3,293,720	-	-	1,605,689	78,607,948	Houston
Gilbert	69	12	Treatment - New Treatment Plant	12,564,065	-	5,000,000	-	83,607,948	St. Louis
Kandiyohi	81	12	Treatment - New Fe/Mn Plant & Wells	3,620,000	-	-	2,117,700	85,725,648	Kandiyohi
Kandiyohi	82	12	Watermain - Looping	433,001	-	-	253,306	85,978,953	Kandiyohi
Tracy	195	10	Watermain - Loop and Replace	5,413,000	-	-	1,178,450	87,157,403	Lyon
Cuyuna	124	10	Storage - Replace with New Tower	616,800	-	-	300,690	87,458,093	Crow Wing
Cuyuna	125	10	Watermain - Replace for City	1,273,155	-	-	620,663	88,078,756	Crow Wing
Cuyuna	126	10	Conservation - Replace Meters	55,650	-	-	27,129	88,105,886	Crow Wing
Dalton	127	10	Storage - New 50,000 Gal Tower	2,785,803	-	-	1,358,079	89,463,965	Otter Tail
Cosmos	129	10	Watermain - Repl - Phase 2	2,100,000	-	-	845,000	90,308,965	Meeker
Belview	143	10	Storage - Tower Rehab	420,000	-	-	204,750	90,513,715	Redwood
Belview	144	10	Watermain - Selective Replacements	6,510,000	-	-	3,173,625	93,687,340	Redwood
Erskine	147	10	Watermain - Replace 1947 Lines	1,179,150	-	796,164	-	94,483,504	Polk
Heron Lake	163	10	Storage - Replace 100,000 Gal Tower	800,000	-	-	390,000	94,873,504	Jackson
Riverton	172	10	Watermain - Replace	104,000	-	-	30,420	94,903,924	Crow Wing
Rushmore	185	10	Watermain - Connection to LPRWS	2,910,000	-	-	486,850	95,390,774	Nobles
Pipestone	187	10	Watermain - Replace NE Area - Phase	801,894	-	641,515	-	96,032,289	Pipestone
Pipestone	190	10	Watermain - Replace NE Area - Phase	935,543	-	748,434	-	96,780,724	Pipestone
Lanesboro	214	10	Watermain - Repl TH250	1,261,898	-	846,579	-	97,627,303	Fillmore
Randall	229	10	Watermain - Water System Improve	3,361,700	-	-	1,638,829	99,266,131	Morrison
Danube	247	10	Watermain - Repl Cast Iron Mains	12,104,531	-	-	4,240,000	103,506,131	Renville
Kiester	252	10	Storage - Tank Improvements	585,000	-	-	171,113	103,677,244	Swift
Kiester	253	10	Treatment - Plant Improvements	6,102,330	-	-	1,784,932	105,462,175	Swift
Hanska	259	10	Source - Replace Well #1 with #4	255,000	-	-	74,588	105,536,763	Brown
Hanska	260	10	Watermain - Repl Transit Main - Phas	2,335,000	-	-	682,988	106,219,750	Brown
Wood Lake	261	10	Watermain - Repl Cast Iron & AC Mains	4,500,000	-	-	3,280,095	109,499,845	Yellow Medicine
Wood Lake	262	10	Storage - Repl Tower	1,243,000	-	-	727,155	110,227,000	Yellow Medicine
Red Lake Falls	264	10	Other - Replace Lead Service Lines	1,190,696	250,000	-	-	110,227,000	Red Lake
Bellingham	267	10	Storage - Replace Tower	1,000,000	-	-	487,500	110,714,500	Lac Qui Parle
Bellingham	268	10	Watermain - Repl CIP	500,000	-	-	243,750	110,958,250	Lac Qui Parle
Bellingham	269	10	Conservation - Install Meters	354,000	-	-	172,575	111,130,825	Lac Qui Parle
Hokah	289	10	Source - Phase 1 - Upgrade Wells & R	1,127,860	-	-	549,832	111,680,657	Houston
Hokah	290	10	Source - Construction Well No. 3	617,550	-	-	301,056	111,981,713	Houston
Hokah	291	10	Watermain - Distribution System Imp.	3,885,100	-	-	1,893,986	113,875,699	Houston
Comfrey	293	10	Watermain - Replace Cast Iron Main	1,678,000	-	975,972	-	114,851,671	Brown
Audubon	298	10	Storage - Tower Rehab	406,000	-	189,044	-	115,040,714	Becker
Red Lake Falls	300	10	Storage - Tower Rehab	1,290,144	-	-	377,367	115,418,082	Red Lake
Red Lake Falls	301	10	Watermain - Repl Bottineau Ave/River	4,656,856	-	-	1,362,130	116,780,212	Red Lake
Warren	313	10	Watermain - Ross Ave. Utility Repl Prjct	322,500	-	258,000	-	117,038,212	Marshall
Lake Lillian	314	10	Watermain - Repl & Loop - Phase 2	4,695,000	-	-	2,746,575	119,784,787	Kandiyohi
Kandiyohi	328	10	Watermain - Phase 2 - Replacement	2,584,000	-	-	1,511,640	121,296,427	Kandiyohi
Kandiyohi	329	10	Watermain - Phase 3 - Replacement	609,000	-	-	356,265	121,652,692	Kandiyohi
Avoca	346	8	Other - Connect to Red Rock Rural Wa	503,200	-	-	245,310	121,898,002	Murray
Hanska	369	7	Treatment - New Plant, Remove Fe/Mn	1,352,000	-	-	395,460	122,293,462	Brown
Hanska	446	5	Storage - Repl w/100,000 Gal Tower	638,000	-	-	186,615	122,480,077	Brown
Silver Lake	447	5	Storage - New 115,000 Gallon Tank	1,000,000	-	-	430,824	122,910,901	McLeod
Greenbush	451	5	Watermain - Repl Area 7 - Main & Park	821,544	-	657,235	-	123,568,136	Roseau
Greenbush	452	5	Watermain - Repl Area 8 -2nd & Johns	837,537	-	670,030	-	124,238,166	Roseau
Silver Lake	482	5	Source - Rehab Wells	583,930	-	-	251,571	124,489,737	McLeod
Silver Lake	483	5	Storage - New Standpipe	1,399,000	-	-	602,723	125,092,460	McLeod
Silver Lake	484	5	Watermain - Distribution, ph 1	2,921,000	-	-	853,450	125,945,910	McLeod
				<b>144,082,020</b>		<b>13,261,093</b>	<b>44,729,632</b>		

Total estimated unfunded (below dotted line) WIF need: 107,065,754

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

**WIF - WASTEWATER  
FY 2022**

**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 - subject to change**

**WW WIF available as of 7/1/2021:** \$ 34,283,206  
 pending transfer from DW WIF: \$ 5,639,526  
 \$ 39,922,732

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

**2020 federal princ forg (grant) available as of 7/1/21:** \$ 2,118,038  
**2021 federal princ forg (grant) available as of 7/1/21:** \$ 2,920,400  
 5,038,438

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

Project Description	MPCA 2022		Est CWRWF Federal Principal Forgiveness Grant	Estimated Project Cost	Estimated WIF Grant with PFA CWRWF Loan	Estimated WIF Grant to match USDA-RD	Estimated WIF Need, Cumulative	County
	Rank	PPL Pts						
<b>WIF Needs - FY 2019 Carryover Projects (certified by 6/30/2019)</b>								
Lakefield	2	98		12,650,000	-	4,095,000	4,095,000	Jackson
Tracy 2	7.1	88		2,585,006	-	793,029	4,888,029	Lyon
Buhl	72	60		2,131,000	-	860,000	5,748,029	St. Louis
WLSDD - Combined He	94.2	56	1,000,000	10,300,000	-	-	5,748,029	St. Louis
Two Harbors	151	47		33,488,485	3,574,561	-	9,322,590	Lake
Annandale 1	186	43	973,944	1,217,430	-	-	9,322,590	Wright
<b>FY 2019 Carryover Projects</b>				<b>62,371,921</b>	<b>1,973,944</b>	<b>3,574,561</b>	<b>5,748,029</b>	
<b>WIF Needs - FY 2020 Carryover Projects (certified by 6/30/2020)</b>								
Tracy 3	7.2	88		4,492,881	-	1,702,613	11,025,203	Lyon
Dawson 2	34.1	68		6,515,272	-	-	16,025,203	Lac Qui Parle
Babbitt	58	63		17,787,384	5,000,000	-	21,025,203	St. Louis
Borup	89	58		2,655,000	-	760,000	21,785,203	Norman
Waverly	121	53		2,423,532	866,757	-	22,651,960	Wright
<b>FY 2020 Carryover Projects</b>				<b>33,874,069</b>	<b>-</b>	<b>10,866,757</b>	<b>2,462,613</b>	
<b>WIF Needs - FY 2021 Carryover Projects (certified by 6/30/2021)</b>								
Austin	4	91	1,000,000	87,657,207	-	-	22,651,960	Mower
Cosmos 1	6.1	88		2,623,000	-	670,000	23,321,960	Meeke
Hanley Falls 1	9.1	83		1,955,000	-	1,128,000	24,449,960	Yellow Medicine
Ogilvie	28	70		5,132,000	-	1,116,000	25,565,960	Kanabec
Dawson 3	34.2	68		686,049	548,839	-	26,114,799	Lac Qui Parle
Sherburn 1	42.1	66		8,181,490	5,000,000	-	31,114,799	Martin
Henning 1	70.1	60		760,000	608,000	-	39,922,732	Otter Tail
Melrose	75	59	780,679	10,841,735	-	-	31,722,799	Stearns
Lanesboro 1	77.1	58		827,495	661,996	-	32,384,795	Fillmore
Lanesboro 2	77.2	58		459,827	367,862	-	32,752,657	Fillmore
Long Prairie	90	57		5,214,791	4,171,833	-	36,924,490	Todd
Ely	115	53		8,340,020	2,198,242	-	39,122,732	St. Louis
Winger	127	53		2,651,000	-	800,000	39,922,732	Polk
Caledonia	193	41	821,794	16,103,748	-	-	39,922,732	Houston
<b>FY 2021 Carryover Projects</b>				<b>151,433,362</b>	<b>2,602,473</b>	<b>13,556,772</b>	<b>3,714,000</b>	
<b>POTENTIAL FY 2022 WIF Needs (ESTIMATED) - FY 2022 IUP &amp; RD Projects (projects must be certified by 6/30/22, other eligible projects may be added as identified)</b>								
Lakefield (unfunded)	2	98		12,650,000	-	905,000	40,827,732	Jackson
Wood Lake	3	93		4,000,000	-	444,901	41,272,633	Yellow Medicine
Owatonna	5	88	1,000,000	55,000,000	-	-	41,272,633	Steele
Silver Lake	8	88		13,480,000	-	5,000,000	46,272,633	McLeod
Zumbro Township	12	79		8,214,145	792,793	-	47,065,425	Wabasha
Wabasso	16.1	76		7,250,000	-	3,288,350	50,353,775	Redwood
Kandiyohi	19	73		1,825,000	-	1,067,625	51,421,400	Kandiyohi
Campbell	24	73		5,394,780	-	1,940,000	53,361,400	Wilkin
Lake Lillian	33	68		4,453,000	-	1,909,700	55,271,100	Kandiyohi
Shorewood Park San Di	38	68		2,000,000	1,379,016	-	56,650,117	Chisago
Russell	60	63		5,914,000	-	2,614,950	59,265,067	Lyon
Gilman	61	63		4,823,000	-	1,700,000	60,965,067	Benton
Otsego - West WWTP	99	56	705,750	26,000,000	-	-	60,965,067	Wright
Clinton	110	55		2,250,000	-	1,332,500	62,297,567	Big Stone
Utica	124	53		5,855,000	-	2,380,000	64,677,567	Winona
Fosston	147	48		10,853,484	5,000,000	-	69,677,567	Polk
Appleton	152	47		7,614,500	3,365,645	-	73,043,212	Swift
<b>Potential FY 2022 WIF Needs</b>				<b>177,576,909</b>	<b>1,705,750</b>	<b>10,537,454</b>	<b>22,583,026</b>	

2022 Estimated Funding Needs Report  
Table 2

Other Potential WIF Needs (Estimated), FY 2023 and beyond									
	MPCA	MPCA	Project Description	Estimated Project Cost		Estimated WIF	Estimated WIF	Estimated WIF	County
	2022 PPL Rank	2022 PPL Pts				Grant with PFA CWRP Loan	Grant to match USDA-RD	Need, Cumulative	
Cosmos 2	6.2	88	Rehab collection, Phase 2	3,912,000	-	-	1,892,800	74,936,012	Meeker
Tracy 4	7.3	88	Rehab collection, Ph 3a3-4,3b (1st & Morgan, C)	5,439,000	-	-	3,177,850	78,113,862	Lyon
Hanley Falls 2	9.2	83	Rehab collection ph 2	2,700,000	-	-	1,755,000	79,868,862	Yellow Medicine
New Germany	13	79	Adv trmt - phos, add pond	5,925,000	-	3,660,000	-	83,528,862	Carver
Wabasso	16.2	76	Rehab treatment	15,670,000	-	-	5,000,000	88,528,862	Redwood
Grand Meadow 3	21.3	73	Adv trmt - phos, rehab trmt	10,526,150	-	3,287,036	-	91,815,898	Mower
Kandiyohi Co - Glacial L:	30.1	68	WWTP rehab, ph 2, adv trmt	5,225,000	-	4,180,000	-	95,995,898	Kandiyohi
Kandiyohi Co - Glacial L:	30.2	68	WWTP rehab, ph 3	5,611,310	-	4,489,048	-	100,484,946	Kandiyohi
Edgerton	31	68	Rehab collection	8,410,000	-	612,519	-	101,097,464	Pipestone
Belview	45	66	Rehab collection and treatment	4,450,000	-	-	1,952,600	103,050,064	Beltrami
McKinley	63	63	Rehab collection	342,347	-	-	-	103,050,064	St. Louis
Blackduck	71	60	Rehab collection and treatment	484,655	-	-	236,269	103,286,334	Beltrami
Randall	118	53	Rehab collection	2,979,500	-	563,351	-	103,849,685	Morrison
Grygla	126	53	Rehab collection and treatment	501,000	-	-	244,238	104,093,922	Marshall
Tintah	128	52	Unsewered, potential SSTS	2,700,000	-	-	460,000	104,553,922	Traverse
Howard Lake	140	49	Rehab collection, Ph 2	7,625,500	-	5,000,000	-	109,553,922	Wright
Sebeka	141	49	Rehab treatment	3,407,000	-	-	664,300	110,218,222	Wadena
Avoca	143	48	Rehab collection, pond improvements	560,560	-	-	273,273	110,491,495	Murray
Red Lake Falls	165	46	Rehab collection	3,315,000	-	-	1,616,063	112,107,558	Red Lake
Annandale 2	173	45	Rehab collection, Hwy 55	1,157,352	-	925,882	-	113,033,440	Wright
Sanborn	175	45	Rehab collection and treatment	12,500,000	-	-	4,260,000	117,293,440	Redwood
Foxhome	179	45	Unsewered, collection and treatment	3,700,000	-	-	1,140,000	118,433,440	Wilkin
Browerville	203	39	Rehab treatment	6,205,600	-	3,896,884	-	122,330,324	Todd
Sebeka	214	35	Rehab collection	889,950	-	-	-	122,330,324	Wadena
Silver Creek Twp - Stew	221	26	Unsewered, build collection and connect to Two	12,670,400	-	-	3,320,000	125,650,324	Lake
Coates	231	15	Unsewered, connect to MCES	12,200,000	-	1,700,000	-	127,350,324	Dakota
				139,107,324		28,314,720	25,992,392		

Total estimated unfunded (below dotted line) WIF need: 87,427,592

2022 Estimated Funding Needs Report  
Table 3

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

**PSIG**  
**FY 2022**

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

**Total available as of 7/1/2021 (bonding and CWF): 45,665,850**

Shading = PSIG grants awarded or reserved to date based on MPCA certification.  
In most cases, estimated PSIG eligible costs for new applications have not yet been verified.  
Dotted line (---) indicates fundable range based on current estimates and available funds.

PSIG Grant Applicant	MPCA 2022 PPL Rank	MPCA 2022 PPL Pts	Project Description	Estimated Total Project Cost	Estimated PSIG Eligible Project Costs	Est PSIG Grant (80%, \$7M max) <b>NOT</b> <b>FINAL</b>	<b>Estimated</b> Grant Need, Cumulative	County
<b>FY 2019 PSIG Carryover Projects (MPCA certified by 6/30/2019)</b>								
Two Harbors	151	47	Rehab/expand treatment	33,488,485	7,224,948	5,779,959	5,779,959	Lake
<b>FY 2020 PSIG Carryover Projects (MPCA certified by 6/30/2020)</b>								
Lakefield	2	98	Adv trmt - phos, rehab collect/trmt	12,650,000	352,903	282,322	6,062,281	Jackson
Babbitt	58	63	Adv trmt - mercury, rehab treatment	17,787,384	8,162,986	6,530,389	12,592,670	St. Louis
<b>FY 2021 PSIG Carryover Projects (MPCA certified by 6/30/2021)</b>								
Austin	4	91	Adv trmt - phos, rehab/expand trmt	87,657,207	19,654,880	7,000,000	19,592,670	Mower
Cascade Twp	47	64	Remove pond, connect to Rochester	2,363,126	2,363,126	1,890,501	21,483,171	Olmsted
Oronoco 1	49.1	63	Unsewered, new WWTP and collection	36,118,772	17,158,544	7,000,000	28,483,171	Olmsted
Watertown	51	63	Adv trmt - phos, rehab existing system	19,679,100	8,747,493	6,997,994	35,481,165	Carver
Amboy WTP	103	56	Adv trmt - chlorides, new WTP	1,759,575	1,759,575	1,407,660	36,888,825	Blue Earth
Ely	115	53	Adv trmt - mercury removal	8,340,020	6,990,271	5,592,217	42,481,042	St. Louis
Mankato - stormwater	137	50	Warren Street pond improvements	1,450,000	1,153,400	922,720	43,403,762	Blue Earth
Mankato	171	45	Rehab trmt, digester and disinfection improven	45,397,500	7,015,871	5,612,697	49,016,459	Blue Earth
<b>PSIG Carryover Projects</b>				<b>266,691,169</b>	<b>80,583,997</b>	<b>49,016,459</b>		
<b>FY 2022 New Applications (projects must be certified by 6/30/22)</b>								
Wood Lake	3	93	Rehab treatment, collection ph 2	4,000,000	668,874	535,099	49,551,558	Yellow Medicine
Owatonna	5	88	Adv trmt - phos, expand treatment	55,000,000	11,550,000	7,000,000	56,551,558	Steele
Zumbro Township	12	79	Ryans Bay, unsewered area, potential SSTS	8,214,145	8,214,145	6,571,316	63,122,874	Wabasha
Trosky	22	73	Unsewered, collection and treatment	3,713,000	3,713,000	2,970,400	66,093,274	Pipestone
Fairmont	50	63	Rehab trmt, biosolids imp	22,681,415	5,514,091	4,411,273	70,504,547	Martin

2022 Estimated Funding Needs Report

Table 3

PSIG Grant Applicant	MPCA 2022 PPL Rank	MPCA 2022 PPL Pts	Project Description	Estimated Total Project Cost	Estimated PSIG Eligible Project Costs	Est PSIG Grant (80%, \$7M max) <b>NOT FINAL</b>	<b>Estimated</b> Grant Need, Cumulative	County
Foley	54	63	Regionalize, connect to St. Cloud	27,318,001	27,318,001	7,000,000	77,504,547	Benton
Cologne	57	63	Adv trmt - phos, expand trmt	12,301,800	5,388,188	4,310,551	81,815,098	Carver
Minnehaha Creek WD - Stormwater	98	56	Blake Road stormwater trmt, ph 2/3	4,330,000	4,330,000	3,464,000	85,279,098	Hennepin
Annandale/Maple Lake/Howard Lake	105	55	Adv trmt - phos, rehab treatment	12,490,000	12,402,570	7,000,000	92,279,098	Wright
West Union	136	51	Unsewered, collection and treatment	6,200,000	6,200,000	4,960,000	97,239,098	Todd
Inver Grove Heights - Stormwater	142	48	Dickman Industrial Park Wet Extended Detentic	1,182,969	1,177,054	941,643	98,180,741	Dakota
Blue Earth WTP	177	45	Adv trmt - chlorides, new WTP	7,912,500	7,912,500	6,330,000	104,510,741	Blue Earth
Mazeppa	183	44	Rehab collection and trmt	14,833,000	7,368,007	5,894,406	110,405,147	Wabasha
Silver Creek Twp - Stewart River	221	26	Unsewered, build collection and connect to Tw	12,670,400	12,670,400	not eligible	110,405,147	Lake
Sacred Heart WTP	223	26	Adv trmt - cholrides, install RO	6,085,000	6,018,065	4,814,452	115,219,599	Renville
<i>FY 2022 New Applications</i>				<i>198,932,230</i>	<i>120,444,896</i>	<i>66,203,140</i>		

Total estimated unfunded (below dotted line) PSIG need: 69,553,749



Estimated Funding Needs Report  
Table 4

**Minnesota Public Facilities Authority**

**Potential Wastewater WIF and PSIG Projects - FY 2022, alphabetical order**

- Estimated Average Annual Residential Wastewater System Costs, with and without state grants

- Does not include projects that haven't yet submitted system cost information detail

For comparison: Twin Cities metropolitan area weighted average annual retail charge per household (MCES 2020 survey): \$ 347.00 X 3 = \$ 1,041.00

Municipality	MPCA 2022 PPL Rank	Project Description	House- holds (Equivalent Res Units - ERUs)	Estimated Project Cost	ESTIMATED Project Funding							ESTIMATED Average Annual Residential Cost per HH					
					PFA Program Grants			Other Grants		Loan		With or Without PFA Grants	Fixed Costs (non-project costs)		Project Costs		Total Annual Cost per HH
					Estimated WIF Grant	Estimated PSIG Grant	Estimated Green Princ CWRF Grant Forg	Estimated Other Grants (or local funds)	Other Source	Estimated PFA CWRF Loan	Estimated USDA-RD Loan		Operation & Main- tenance Cost	Existing Debt Service (10 yr avg)	New Project Debt Service	Estimated WIF Replaceme nt Fund	
Dawson 2	34.1	Ph 2, Rehab collection	1,244	6,515,272	5,000,000	-	-	-	-	1,515,272	-	Without PFA Grants	288.08	396.55	202.94		887.57
												With PFA Grants	288.08	396.55	47.20	2.50	734.33
Ely	115	Adv trmt - mercury removal	1,627	8,340,020	2,198,242	5,592,217	-	-	-	549,561	-	Without PFA Grants	506.95	54.74	198.62		760.31
												With PFA Grants	506.95	54.74	13.09	2.50	577.27
Fairmont	50	Rehab trmt, biosolids imp	6,038	22,681,415	-	4,411,273	-	-	-	18,270,142	-	Without PFA Grants	222.50	54.48	145.56		422.53
												With PFA Grants	222.50	54.48	117.25	-	394.22
Foley	54	Regionalize, connect to St. Cloud	1,866	27,318,001	-	7,000,000	-	8,000,000	2020 SPAP	12,318,001	-	Without PFA Grants	250.84	28.81	401.14		680.80
												With PFA Grants	250.84	28.81	255.79	-	535.44
Fosston	147	Expand treatment, add pond	711	10,853,484	5,000,000	-	-	-	-	5,853,484	-	Without PFA Grants	379.75	361.77	591.49		1,333.01
												With PFA Grants	379.75	361.77	319.00	2.50	1,063.02
Hanley Falls 1	9.1	Rehab collection ph 1, trmt & LS imp	103	1,955,000	1,128,000	-	-	608,000	USDA-RD	-	219,000	Without PFA Grants	367.96	237.72	417.46		1,023.14
												With PFA Grants	367.96	237.72	67.87	2.50	676.05
Henning 1	70.1	Rehab collection	419	760,000	608,000	-	-	-	-	152,000	-	Without PFA Grants	280.67	278.17	70.28		629.13
												With PFA Grants	280.67	278.17	14.06	2.50	575.40
Kandiyohei	19	Rehab collection ph 1, connect unsewered area	255	1,825,000	1,067,625	-	-	575,050	USDA-RD	-	182,325	Without PFA Grants	420.00	369.83	171.42		961.26
												With PFA Grants	420.00	369.83	25.01	2.50	817.34
Lake Lillian	33	Rehab collection, ph 2	134	4,453,000	1,909,700	-	-	448,300	USDA-RD	-	2,095,000	Without PFA Grants	238.81	59.10	1,045.17		1,343.08
												With PFA Grants	238.81	59.10	546.77	2.50	847.18
Lakefield	2	Adv trmt - phos, rehab collect/trmt	989	12,650,000	5,000,000	282,322	-	2,513,000	USDA-RD	-	4,854,678	Without PFA Grants	338.62	97.90	358.46		794.98
												With PFA Grants	338.62	97.90	171.67	2.50	610.69

Estimated Funding Needs Report  
Table 4

**Minnesota Public Facilities Authority**

**Potential Wastewater WIF and PSIG Projects - FY 2022, alphabetical order**

- Estimated Average Annual Residential Wastewater System Costs, with and without state grants

- Does not include projects that haven't yet submitted system cost information detail

For comparison: Twin Cities metropolitan area weighted average annual retail charge per household (MCES 2020 survey): \$ 347.00 X 3 = \$ 1,041.00

Municipality	MPCA 2022 PPL Rank	Project Description	House- holds (Equivalent Res Units - ERUs)	Estimated Project Cost	ESTIMATED Project Funding							ESTIMATED Average Annual Residential Cost per HH						
					PFA Program Grants			Other Grants		Loan		With or Without PFA Grants	Fixed Costs (non-project costs)		Project Costs		Total Annual Cost per HH	
					Estimated WIF Grant	Estimated PSIG Grant	Estimated Green Princ CWRF Grant Forg	Estimated Other Grants (or local funds)	Other Source	Estimated PFA Loan	Estimated USDA-RD Loan		Operation & Main- tenance Cost	Existing Debt Service (10 yr avg)	New Project Debt Service	Estimated WIF Replaceme nt Fund		
Lanesboro 1	77.1	Rehab collection ph 1, Kirkwood St.	487	827,495	661,996	-	-	-	-	-	165,499	-	Without PFA Grants	413.01	413.01	65.84	-	891.86
													With PFA Grants	413.01	413.01	13.17	2.50	841.68
Long Prairie	90	Rehab collection	2,817	5,214,791	4,171,833	-	-	-	-	-	1,042,958	-	Without PFA Grants	262.89	443.12	71.73	-	777.74
													With PFA Grants	262.89	443.12	14.35	2.50	722.85
Mankato	171	Rehab trmt, digester and disinfection improvements	25,736	45,397,500	-	5,612,697	-	-	-	-	39,784,803	-	Without PFA Grants	214.81	24.31	68.35	-	307.47
													With PFA Grants	214.81	24.31	59.90	-	299.02
Melrose	75	Rehab/expand existing treatment	8,891	10,841,735	-	-	780,679	7,964,375	2020 SPAP, City	-	2,096,681	-	Without PFA Grants	136.82	115.85	12.54	-	265.21
													With PFA Grants	136.82	115.85	9.14	-	261.81
Ogilvie	28	Adv trmt - phos/mercury, rehab treatment	195	5,132,000	1,116,000	-	-	3,760,000	USDA-RD	-	-	256,000	Without PFA Grants	521.74	39.36	224.60	-	785.69
													With PFA Grants	521.74	39.36	41.91	2.50	605.50
Oronoco 1	49.1	Unsewered, new WWTP and collection	479	36,118,772	-	7,000,000	-	18,649,585	2020 SPAP	-	10,469,187	-	Without PFA Grants	584.59	-	1,413.15	-	1,997.74
													With PFA Grants	584.59	-	846.89	-	1,431.48
Russell	53	Rehab collection and treatment	190	5,914,000	2,614,950	-	-	1,409,000	USDA-RD	-	-	1,890,050	Without Grants	360.00	-	829.21	-	1,189.21
													With Grants	360.00	-	347.89	2.50	710.39
Sherburn 1	42.1	Rehab collection and trmt	584	8,181,490	5,000,000	-	-	-	-	-	3,181,490	-	Without PFA Grants	359.43	377.14	542.84	-	1,279.41
													With PFA Grants	359.43	377.14	211.09	2.50	950.16
Shorewood Park San Dist	38	Extend collection system, adv trmt - phos, add pond	124	2,000,000	1,379,016	-	-	-	-	-	620,984	-	Without PFA Grants	1,008.06	-	624.97	-	1,633.03
													With PFA Grants	1,008.06	-	194.05	2.50	1,204.61
Tracy 2	7.1	Rehab collection, Ph 3a2 (6th & Harvey)	1,125	2,585,006	793,029	-	-	661,200	USDA-RD	-	-	1,130,777	Without PFA Grants	135.64	357.78	59.80	-	553.22
													With PFA Grants	135.64	357.78	35.15	2.50	531.07

Estimated Funding Needs Report  
Table 4

**Minnesota Public Facilities Authority**

**Potential Wastewater WIF and PSIG Projects - FY 2022, alphabetical order**

- Estimated Average Annual Residential Wastewater System Costs, with and without state grants

- Does not include projects that haven't yet submitted system cost information detail

For comparison: Twin Cities metropolitan area weighted average annual retail charge per household (MCES 2020 survey): \$ 347.00 X 3 = \$ 1,041.00

Municipality	MPCA 2022 PPL Rank	Project Description	House- holds (Equivalent Res Units - ERUs)	Estimated Project Cost	ESTIMATED Project Funding						ESTIMATED Average Annual Residential Cost per HH						
					PFA Program Grants			Other Grants		Loan		With or Without PFA Grants	Fixed Costs (non-project costs)		Project Costs		Total Annual Cost per HH
					Estimated WIF Grant	Estimated PSIG Grant	Estimated Green Princ CWRP Forg	Estimated Other Grants (or local funds)	Other Source	Estimated PFA CWRP Loan	Estimated USDA-RD Loan		Operation & Main- tenance Cost	Existing Debt Service (10 yr avg)	New Project Debt Service	Estimated WIF Replaceme nt Fund	
Tracy 3	7.2	Decommission ponds	1,125	4,492,881	1,702,613	-	-	1,427,065	USDA-RD	-	1,363,203	Without PFA Grants	139.71	389.86	95.30		624.88
												With PFA Grants	139.71	389.86	42.38	2.50	574.45
Trosky	22	Unsewered, collection and treatment	47	3,713,000	-	2,970,400	-	651,600	USDA-RD, SCDP	-	91,000	Without PFA Grants	440.23	-	2,277.95		2,718.18
												With PFA Grants	440.23	-	67.71	-	507.95
Two Harbors	151	Rehab/expand treatment	2,921	33,488,485	3,574,561	5,779,959	-	11,500,000	2020 SPAP	12,633,965	-	Without PFA Grants	493.87	38.29	291.69		823.85
												With PFA Grants	493.87	38.29	167.59	2.50	702.26
Watertown	51	Adv trmt - phos, rehab existing system	1,799	19,679,100	-	6,997,994	-	-		12,681,106	-	Without PFA Grants	304.06	4.62	423.86		732.54
												With PFA Grants	304.06	4.62	273.13	-	581.81
Waverly	121	Rehab collect Ph 4 - No. Shore Dr	629	2,423,532	866,757	-	-	-		1,556,775	-	Without PFA Grants	752.57	206.76	149.30		1,108.63
												With PFA Grants	752.57	206.76	95.90	2.50	1,057.73
Winger	127	Rehab collection and treatment	133	2,651,000	800,000	-	-	1,056,000	USDA-RD	-	795,000	Without PFA Grants	252.88	-	382.82		635.70
												With PFA Grants	252.88	-	190.81	2.50	446.19
Wood Lake	3	Rehab treatment, collection ph 2	207	4,000,000	444,901	535,099	-	2,820,000	USDA-RD	-	200,000	Without PFA Grants	364.73	206.38	181.97		753.08
												With PFA Grants	364.73	206.38	30.84	2.50	604.46