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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

February 1, 2021

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**Minnesota Public Facilities Authority  
2021 Estimated Funding Needs Report**

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*Note (as required by Minnesota Statutes, section 3.197): Preparation of this report  
required an estimated 95 hours of staff time for a total cost of \$6,381.*

## **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 \$4.5 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. 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 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 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 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, 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 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 2021 Project Priority Lists. The tables show projects since the beginning of FY 2021. Grey shading indicates projects where WIF grants have already been awarded or where estimated grant funds are reserved (as described above). Estimated grants are shown for unshaded projects based on preliminary project information. Estimated grant amounts may change and other eligible projects may be added as new project information is received. The tables also show federal principal forgiveness grant funds that can be used to help address WIF needs. Federal law allows a small portion of federal appropriations for the revolving loan funds to be awarded as principal forgiveness grants. (For clean water, the federal funds may also be used to assist green infrastructure projects).

Projects in each table are divided into four categories and listed in priority order within each category. The first two categories are carryover projects that were certified by June 30<sup>th</sup> of each of the previous two fiscal years and therefore have WIF funds reserved or awarded. The third category are potential WIF eligible projects in priority order that are listed on the 2021 Intended Use Plans for CWRP or DWRP loans, or have submitted Preliminary Engineering Reports to USDA Rural Development and are therefore potentially eligible for a Rural Development funding commitment in FY 2021. The list of potential 2021 WIF eligible projects may grow as projects on the 2021 Intended Use Plan submit formal loan applications and additional project information is received. The final category in each table are other projects on the 2021 Project Priority Lists that are expected to proceed with construction in future years where preliminary information indicates a potential WIF need.

The WIF tables show the total funds available at the start of FY 2021 from prior year appropriations and the new WIF funds appropriated in the 2020 bonding bill. Each table indicates

with a dotted line how far down the project list the available funds will reach. Total estimated unfunded WIF needs for all identified eligible projects on the 2021 Project Priority Lists are \$37.4 million for drinking water and \$62.4 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 2021 Project Priority List, starting with Carryover Projects from prior years (certified by 6/30/19 and 6/30/20) in priority order, followed by FY 2021 PSIG applications in priority order. The MPCA has not yet confirmed PSIG project eligibility and eligible costs for FY 2021 applications. In most cases, the PSIG eligible costs and estimated grant amounts shown 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 2021 from prior year appropriations and the new PSIG funds appropriated in the 2020 bonding bill. 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 \$73 million. New PSIG applications will again be accepted in July 2021.

### **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 debt service 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 15-16 shows estimated project funding and estimated average annual residential system costs for FY 2020 carryover and potential FY 2021 wastewater WIF and PSIG projects in alphabetical order. Fixed (non-project) costs are shown along with estimated new project debt service costs with and without the 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 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 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 2021**

*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**

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-FY21 appropriations available as of 7/1/2020: \$ 2,321,682**  
**2020 bonding appropriation (ss #5): \$ 22,198,000**  
**\$ 24,519,682**

**2019 federal princ forg (grant) available 7/1/20: \$ 987,036**  
**2020 federal princ forg (grant) available 7/1/20: \$ 3,361,600**  
**4,348,636**

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 2021 PPL Rank	MDH 2021 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 2019 Carryover Projects</b>									
Onamia	29	12	Watermain - Looping	592,000	-	-	256,000	256,000	Mille Lacs
Walker	108	10	Watermain - Replace on North Side	1,654,372	665,272	-	-	256,000	Cass
Barrett	149	10	Treatment - Plant Rehab	588,500	-	-	382,000	638,000	Grant
Barrett	150	10	Watermain - Replace Various Areas	1,317,500	-	-	833,346	1,471,346	Grant
<i>FY 2019 Carryover Projects</i>				4,152,372	665,272	-	1,471,346		
<b>WIF Needs - FY 2020 Carryover Projects</b>									
Askov	2	30	Treatment - New Wells & TP upgrade I	2,666,042	771,397	-	-	1,471,346	Pine
Two Harbors	45	12	Treatment - Repl Chlorine Contact Tanl	5,020,142	2,536,967	1,479,147	-	2,950,493	Lake
Eagle Bend	145	10	Watermain - Phase 4 Replacement	312,100	-	249,680	-	3,200,173	Todd
Murdock	271	8	Source - Two Replacement Wells	225,490	-	-	70,602	3,270,775	Swift
Murdock	282	7	Treatment - New Fe/Mn Treatment Plar	1,883,950	-	-	589,874	3,860,649	Swift
Murdock	283	7	Watermain - Replace & Loop	618,000	-	-	193,499	4,054,148	Swift
Greenbush	303	7	Watermain - Repl Area 1-Main St & Loc	1,177,000	-	941,600	-	4,995,748	Roseau
<i>FY 2020 Carryover Projects</i>				11,902,724	3,308,364	2,670,427	853,975		
<b>POTENTIAL 2021 WIF Needs (ESTIMATED) - FY 2021 IUP &amp; RD Projects (projects must be approved/certified by 6/30/21, other eligible projects may be added)</b>									
Easton	6	18	Consolidation - Connection to Wells	3,400,000	-	-	2,002,000	6,997,748	Faribault
Aurora	11	15	Consolidation - E Mesabi Joint Water S	18,900,000	-	5,000,000	-	11,997,748	St. Louis
Wood Lake	21	13	Source - New Well #4, Seal Wells 1 & 2	284,000	-	-	161,078	12,158,825	Yellow Medicine
Onamia	28	12	Treatment - New Plant	3,080,000	-	-	1,455,592	13,614,417	Mille Lacs
Dawson	37	12	Treatment - Plant Rehab	752,900	-	602,320	-	14,216,737	Lac qui Parle
Askov	51	12	Watermain - Repl & Loop	1,526,200	-	1,042,340	-	15,259,077	Pine
Wood Lake	58	12	Treatment - Repl Plant & Equipment	1,385,000	-	-	792,922	16,051,999	Yellow Medicine
Ortonville	83	10	Watermain - Repl Various Areas - Phas	3,005,500	-	1,552,405	-	17,604,404	Big Stone
Onamia	101	10	Storage - Tower Rehab	340,000	-	-	184,358	17,788,762	Mille Lacs
Cosmos	113	10	Watermain - Repl - Phase 1	3,362,000	-	-	1,015,300	18,804,062	Meeker
Henning	125	10	Watermain - Repl CIP on 2nd St.	894,500	-	715,600	-	19,519,662	Otter Tail
Dawson	147	10	Watermain - Repl, Phase 2	6,863,370	-	5,000,000	-	24,519,662	Lac qui Parle
Eden Valley	152	10	Watermain - Repl North & East	1,003,800	-	803,040	-	25,322,702	Meeker
Boyd	175	10	Storage - Tower Rehab	1,000,000	-	-	487,500	25,810,202	Lac Qui Parle
Boyd	176.1	10	Watermain - Repl, phase 1	1,000,000	-	-	487,500	26,297,702	Lac Qui Parle
Lanesboro	191	10	Watermain - Repl Kirkwood St.	605,750	-	484,600	-	26,782,302	Fillmore
Lanesboro	192	10	Watermain - Repl Various Streets	511,875	-	409,500	-	27,191,802	Fillmore
Wood Lake	224	10	Watermain - Repl Cast Iron & AC Main:	5,607,000	-	-	3,280,095	30,471,897	Yellow Medicine
Royalton	237	10	Other - Lead Service Lines Repl	250,000	125,000	-	-	30,471,897	Morrison
Red Lake Falls	245	10	Storage - Tower Rehab	1,300,000	-	1,040,000	-	31,511,897	Red Lake
Taconite	248	10	Storage - Repl 50,000 Gal. Tower	1,300,000	-	-	292,500	31,804,397	St. Louis
Saint Paul Regional Wat	249	10	Other - Lead Service Line Repl	500,000	250,000	-	-	31,804,397	Ramsey
<i>FY 2020 WIF Needs</i>				56,871,895	375,000	16,649,805	10,158,845		

<b>Other Potential WIF Needs (Estimated), FY 2022 and beyond</b>									
	MDH 2021 PPL Rank	MDH 2021 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
Clitherall	1	30	New System - Connect Private Wells w	2,768,000	-	-	1,220,000	33,024,397	Otter Tail
Lake Lillian	4	30	Treatment - WTP Improvements Remo	3,409,000	-	-	997,133	34,021,530	Kandiyohi
Cuyuna	7	15	Source - Repl with Wells #2 & #3/Treat	459,300	-	-	223,909	34,245,439	Crow Wing
Gonvick	32	12	Treatment - Plant Rehab	275,000	-	-	80,438	34,325,876	Clearwater
Gonvick	33	12	Watermain - Repl Various Areas	3,243,000	-	-	948,578	35,274,454	Clearwater
Morgan	54	12	Treatment - Remove Fe/Mn	2,650,000	-	-	775,125	36,049,579	Redwood
Harris	59	12	Watermain - Looping	500,000	-	400,000	-	36,449,579	Chisago
Bellingham	60	12	Treatment - New Plant	2,000,000	-	-	975,000	37,424,579	Lac Qui Parle

	MDH 2021 PPL Rank	MDH 2021 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
Underwood	63	12	Treatment - Replace Plant	2,287,500	-	1,830,000	-	39,254,579	Otter Tail
Comfrey	64	12	Watermain - Looping	349,000	-	-	102,083	39,356,661	Brown
Russell	68	12	Watermain - Repl & Loop	5,014,000	-	-	2,205,290	41,561,951	Lyon
Ogilvie	92	10	Watermain - Repl E.Rutherford/Hill Ave	706,864	-	-	206,758	41,768,709	Kanabec
Ironton	102	10	Treatment - Replace Plant	3,688,400	-	-	939,250	42,707,959	Crow Wing
Cuyuna	109	10	Storage - Replace with New Tower	616,800	-	-	300,690	43,008,649	Crow Wing
Cuyuna	110	10	Watermain - Replace for City	1,273,155	-	-	620,663	43,629,312	Crow Wing
Cuyuna	111	10	Conservation - Replace Meters	55,650	-	-	27,129	43,656,441	Crow Wing
Cosmos	114	10	Watermain - Repl - Phase 2	3,000,000	-	-	975,000	44,631,441	Meeker
Erskine	126	10	Storage - Remove Original Tower	58,000	-	-	16,965	44,648,406	Polk
Erskine	127	10	Watermain - Replace 1947 Lines	1,179,150	-	-	344,901	44,993,308	Polk
Heron Lake	144	10	Storage - Replace 100,000 Gal Tower	800,000	-	640,000	-	45,633,308	Jackson
Riverton	151	10	Watermain - Replace	104,000	-	-	30,420	45,663,728	Crow Wing
Tracy	174	10	Watermain - Loop and Replace, Ph 3b	5,413,000	-	-	1,178,450	46,842,178	Lyon
Boyd	176.2	10	Watermain - Repl, phase 2	1,574,000	-	-	767,325	47,609,503	Lac Qui Parle
Boyd	177	10	Conservation - Repl Meters	184,000	-	-	89,700	47,699,203	Lac Qui Parle
Clarkfield	180	10	Other - Connect to Lincoln Pipestone R	2,700,000	-	-	674,700	48,373,903	Yellow Medicine
Lanesboro	190	10	Watermain - Repl TH250	1,261,898	-	628,514	-	49,002,417	Fillmore
South Haven	203	10	Storage - Tower Rehab	1,017,000	-	-	297,473	49,299,889	Wright
Morgan	209	10	Storage - Tower Rehab	407,000	-	-	119,048	49,418,937	Redwood
Lake Lillian	218	10	Watermain - Repl & Loop - Phase 2	3,912,000	-	-	2,505,100	51,924,037	Kandiyohi
Hanska	222	10	Source - Replace Well #1 with #4	255,000	-	-	74,588	51,998,624	Brown
Hanska	223	10	Watermain - Repl Transite Main - Phas	2,335,000	-	-	682,988	52,681,612	Brown
Wood Lake	225	10	Storage - Repl Tower	1,243,000	-	-	727,155	53,408,767	Yellow Medicine
Harris	227	10	Storage - Tower Rehab	320,000	-	256,000	-	53,664,767	Chisago
Bellingham	228	10	Storage - Replace Tower	900,000	-	-	438,750	54,103,517	Lac Qui Parle
Bellingham	229	10	Watermain - Repl CIP	373,500	-	-	182,081	54,285,598	Lac Qui Parle
Bellingham	230	10	Conservation - Install Meters	125,000	-	-	60,938	54,346,535	Lac Qui Parle
Kennedy	238	10	Storage - Booster Stat., Gen. Demo To	1,925,000	-	-	938,438	55,284,973	Kittson
Comfrey	239	10	Watermain - Replace Cast Iron Main	1,678,000	-	-	490,815	55,775,788	Brown
Red Lake Falls	246	10	Watermain - Repl Bottineau Ave/River	1,105,000	-	884,000	-	56,659,788	Red Lake
Avoca	270	8	Other - Connect to Red Rock Rural Wa	503,200	-	-	245,310	56,905,098	Murray
Hanska	299	7	Treatment - New Plant, Remove Fe/Mn	1,352,000	-	-	395,460	57,300,558	Brown
Hanley Falls	311	7	Watermain - Replace & Loop Main	2,625,000	-	-	1,706,250	59,006,808	Yellow Medicine
Saint Augusta	329	7	Treatment - New Fe/Mn Plant & Wells	7,548,900	-	1,788,500	-	60,795,307	Stearns
Hanska	385	5	Storage - Repl w/100,000 Gal Tower	638,000	-	-	186,615	60,981,922	Brown
Greenbush	392	5	Watermain - Repl Area 7 - Main & Park	704,816	-	563,853	-	61,545,775	Roseau
Greenbush	393	5	Watermain - Repl Area 8 -2nd & Johns	616,813	-	493,450	-	62,039,226	Roseau
75,153,946						7,484,317	22,750,512		

 Projects currently ranked below DWRf fundable range

Estimated unfunded need for projects in current DWRf fundable range (7 pts and above): 36,275,625

Total estimated unfunded (below dotted line) WIF need: 37,519,544

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

**WIF - WASTEWATER**  
**FY 2021**

*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**

**Prior appropriations available as of 7/1/2020: \$ 24,318,509**  
**2020 bonding appropriation (ss #5): \$ 33,296,000**  
**57,614,509**

**Fed princ forgiveness (grant) available as of 7/1/2020: \$ 2,118,038**

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 2021 PPL Rank	MPCA 2021 PPL Pts	Project Description	Estimated Project Cost	Est CWRP Federal Principal Forgiveness Grant	Estimated WIF Grant with PFA CWRP Loan	Estimated WIF Grant to match USDA-RD	Estimated WIF Need, Cumulative	County
<b>WIF Needs - FY 2019 Carryover Projects</b>								
Lakefield	1	98	Adv trmt - phos, rehab collect/trmt	11,008,000	-	4,095,000	4,095,000	Jackson
Wood Lake 1	2.1	93	Rehab collection, ph 1	3,180,000	-	1,947,000	6,992,678	Yellow Medicine
Tracy 2	6.1	88	Rehab collection, Ph 3a2 (6th & Harvey)	2,585,006	-	950,678	6,992,678	Lyon
Hoyt Lakes 2	31	68	Adv trmt - mercury, rehab treatment	12,192,197	3,345,826	-	10,338,504	St. Louis
Waldorf 1	59.1	61	Rehab collection	3,818,089	-	1,000,000	11,338,504	Waseca
Waldorf 2	59.2	61	New WWTP	2,241,587	-	800,000	12,138,504	Waseca
Easton	64	61	Rehab collection	2,277,174	-	912,000	13,050,504	Faribault
Lanesboro 1	77.1	58	New WWTP	9,844,331	5,000,000	-	18,050,504	Fillmore
Dumont	87	58	Rehab collection and treatment	1,865,000	-	900,000	18,950,504	Traverse
Clarkfield	129	51	Rehab collection and treatment	7,460,000	-	1,875,000	20,825,504	Yellow Medicine
Grey Eagle	136	50	Rehab collection, lift station	5,225,000	-	825,000	21,650,504	Todd
Ostrander	140	49	Rehab collection, ph 2	1,489,000	-	180,000	21,830,504	Fillmore
Annandale 1	182	43	Rehab collection, Hwy 24	2,617,709	2,094,167	-	21,830,504	Wright
Deer River	187	43	Pond expansion and improvements	3,725,988	-	1,700,790	23,531,294	Itasca
<i>FY 2019 Carryover Projects</i>			69,529,081	2,094,167	10,046,616	13,484,678		
<b>WIF Needs - FY 2020 Carryover Projects</b>								
Tracy 3	6.2	88	Decommission ponds	4,200,938	-	1,544,964	25,076,258	Lyon
Gilbert	8	83	Rehab collection	1,989,900	1,591,920	-	26,668,178	St. Louis
Dawson 1	33.1	68	Rehab collection and lift station	3,302,100	2,579,700	-	29,247,878	Lac Qui Parle
Babbitt	52	63	Adv trmt - mercury, rehab treatment	13,975,000	5,000,000	-	34,247,878	St. Louis
Borup	89	58	Rehab collection and treatment	2,230,000	-	760,000	35,007,878	Norman
Eagle Bend	91	57	Rehab collection, Ph 4	452,470	361,976	-	35,369,854	Todd
Houston 1	113.1	54	Rehab treatment	2,500,000	1,327,730	-	36,697,584	Houston
Waverly 2	119	53	Rehab collect Ph 4 - No. Shore Dr	2,280,500	1,824,400	-	38,521,984	Wright
<i>FY 2020 Carryover Projects</i>			30,930,908	-	12,685,726	2,304,964		
<b>POTENTIAL 2021 WIF Needs (ESTIMATED) - FY 2021 IUP &amp; RD Projects (projects must be certified by 6/30/21, other eligible projects may be added as identified)</b>								
Austin	3	91	Adv trmt - phos, rehab/expand trmt	87,657,207	1,000,000	-	38,521,984	Mower
Cosmos 1	5.1	88	Rehab collection, Phase 1	3,965,000	-	1,160,250	39,682,234	Meeker
Hanley Falls	9	83	Rehab collection and treatment	3,000,000	-	1,000,000	40,682,234	Yellow Medicine
Zumbro Township	12	79	Unsewered, potential SSTS	7,137,700	1,000,000	620,561	41,302,795	Wabasha
Spring Valley	23	72	Rehab collection and treatment	10,315,000	-	1,720,150	43,022,945	Fillmore
Dawson 2	33.2	68	Rehab treatment	5,499,200	-	4,337,380	47,360,326	Lac Qui Parle
Sherburn	39	66	Rehab collection and trmt	5,231,190	-	4,184,952	51,545,278	Martin
Melrose	70	59	Rehab/expand existing treatment	11,482,679	684,173	-	51,545,278	Stearns
Lanesboro 2	77.2	58	Rehab collection ph 1, Kirkwood St.	614,250	-	491,400	52,036,678	Fillmore
Lanesboro 3	77.3	58	Rehab collection ph 2, Beacon/Coffee/Rochelle	519,750	-	415,800	52,452,478	Fillmore
Long Prairie	90	57	Rehab collection	2,885,492	-	2,308,394	54,760,871	Todd
Annandale/Maple Lake/I	107	55	Adv trmt - phos, rehab treatment	12,490,000	-	4,392,000	59,152,871	Wright
Winger	123	53	Rehab collection and treatment	2,651,000	-	1,119,950	60,272,821	Polk
Fosston	146	48	Expand treatment, add pond	9,628,658	-	5,000,000	65,272,821	Polk
Caledonia	192	41	Rehab treatment, add oxidation ditches	16,965,000	1,000,000	-	65,272,821	Houston
<i>Potential FY 2021 WIF Needs</i>			180,042,126	3,684,173	23,470,637	3,280,200		
<b>Other Potential WIF Needs (Estimated), FY 2022 and beyond</b>								
MPCA 2021 PPL Rank	MPCA 2021 PPL 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
Wood Lake 2	2.2	93	Rehab treatment, collection ph 2	6,152,999	-	3,869,449	69,142,271	Yellow Medicine
Cosmos 2	5.2	88	Rehab collection, Phase 2	3,500,000	-	975,000	70,117,271	Meeker
Tracy 4	6.3	88	Rehab collection, Ph 3a3-4 (1st & Morgan, Cent	5,439,000	-	3,177,850	73,295,121	Lyon
Wabasso	16.1	76	Rehab collection	6,540,000	-	3,188,250	76,483,371	Redwood
Wabasso	16.2	76	Rehab collection and trmt	15,670,000	-	5,000,000	81,483,371	Redwood
Kandiyohi	17	73	Rehab collection, connect unsewered area	1,078,723	-	315,526	81,798,897	Kandiyohi
Campbell	20	73	Rehab treatment, new pond	1,540,000	-	750,750	82,549,647	Wilkin
Kandiyohi Co - Glacial L:	28.2	68	WWTP rehab, ph 2, adv trmt	5,225,000	4,180,000	-	86,729,647	Kandiyohi
Kandiyohi Co - Glacial L:	28.3	68	WWTP rehab, ph 3	5,611,310	4,489,048	-	91,218,695	Kandiyohi
Lake Lillian	32	68	Rehab collection, ph 2	4,235,000	-	1,909,700	93,128,395	Kandiyohi



	MPCA 2021 PPL Rank	MPCA 2021 PPL 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
Shorewood Park San Di:	36	68	Adv trmt - phos, add pond	1,900,000	-	1,299,016	-	94,427,412	Chisago
Russell	53	63	Rehab collection and treatment	4,428,000	-	-	1,667,250	96,094,662	Lyon
McKinley	55	63	Rehab collection	342,347	-	-	166,894	96,261,556	St. Louis
Braham 2	62.2	61	Rehab collection	4,630,000	-	3,607,919	-	99,869,475	Isanti
Blackduck	66	60	Rehab collection and treatment	484,655	-	-	236,269	100,105,744	Beltrami
Buhl	67	60	Rehab collection	2,131,000	-	403,679	-	100,509,423	St. Louis
Kennedy	88	58	Rehab collection	2,160,000	-	-	631,800	101,141,223	Kittson
Houston 2	113.2	54	Rehab collection ph1 - Jackson, Lincoln, Spruce	748,000	-	598,400	-	101,739,623	Houston
Houston 3	113.3	54	Rehab collection ph 2, TH 16	700,000	-	560,000	-	102,299,623	Houston
Grygla	122	53	Rehab collection and treatment	2,219,100	-	-	1,081,811	103,381,435	Marshall
Tintah	124	52	Unsewered, potential SSTS	2,700,000	-	-	460,000	103,841,435	Traverse
Howard Lake	138	49	Rehab collection, Ph 2	7,625,500	-	5,000,000	-	108,841,435	Wright
Sebekka	139	49	Rehab collection and trmt	3,407,000	-	-	996,548	109,837,982	Wadena
Avoca	142	48	Rehab collection, pond improvements	560,560	-	-	273,273	110,111,255	Murray
Silver Creek Twp	152	46	Unsewered, collection and treatment	18,080,000	-	-	3,320,000	113,431,255	Lake
Annandale 2	170	45	Rehab collection, Hwy 55	1,157,352	-	925,882	-	114,357,137	Wright
Foxhome	176	45	Unsewered, collection and treatment	3,700,000	-	-	1,082,250	115,439,387	Wilkin
Browerville	200	39	Rehab treatment	6,205,600	-	3,896,884	-	119,336,271	Todd
Elizabeth	208	38	Rehab collection and treatment	1,864,000	-	-	545,220	119,881,491	Otter Tail
				120,035,146					
					24,960,828	29,647,841			

Projects currently ranked below CWRP fundable range

Current estimated unfunded need for projects in current CWRP fundable range (40 pts and above): 57,824,878

Total estimated unfunded (below dotted line) WIF need: 62,266,982

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

**PSIG**  
**FY 2021**

*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 7/1/2020 (bonding and CWF): 17,998,288**  
**2020 bonding appropriation (ss #5): 44,553,000**  
**62,551,288**

*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 2021 PPL Rank	MPCA 2021 PPL Pts	Project Description	Estimated Total Project Cost	Estimated PSIG Eligible Project Costs	<u>Estimated</u> PSIG Grant (80%, \$7M max)	<u>Estimated</u> Grant Need, Cumulative	County
<b>FY 2019 PSIG Carryover Projects (MPCA certified by 6/30/2019)</b>								
Hoyt Lakes 2	31	68	Adv trmt - mercury, rehab treatment	12,192,197	11,850,815	7,000,000	7,000,000	St. Louis
Cokato	134	50	Adv trmt - phos, rehab treatment	3,606,806	3,430,073	2,744,058	9,744,058	Wright
Two Harbors	150	47	Rehab/expand treatment	21,600,000	4,665,600	3,732,480	13,476,538	Lake
<b>FY 2020 PSIG Carryover Projects (MPCA certified by 6/30/2020)</b>								
Lakefield	1	98	Adv trmt - phos, rehab collect/trmt	11,008,000	352,256	281,805	13,758,343	Jackson
Loretto	21	73	Regionalization with MCES	1,189,193	962,057	769,646	14,527,989	Hennepin
Babbitt	52	63	Adv trmt - mercury, rehab treatment	13,975,000	6,414,525	5,131,256	19,659,245	St. Louis
Keewatin	83	58	Regionalize, connect to East Itasca WWTP	2,543,710	2,543,710	2,034,968	21,694,213	Itasca
Saint Paul - Stormwater	151	47	Stormwater - Ford Site	9,227,057	9,227,057	7,000,000	28,694,213	Ramsey
Nashwauk	185	43	Adv trmt - phos, East Range WWTP	8,138,001	7,202,131	5,761,705	34,455,918	Itasca
<b>PSIG Carryover Projects</b>				<b>83,479,964</b>	<b>46,648,224</b>	<b>34,455,918</b>		
<b>FY 2021 New Applications (projects must be certified by 6/30/21)</b>								
Wood Lake 2	2.2	93	Rehab treatment, collection ph 2	6,152,999	1,230,600	984,480	35,440,397	Yellow Medicine
Austin	3	91	Adv trmt - phos, rehab/expand trmt	87,657,207	14,112,810	7,000,000	42,440,397	Mower
Zumbro Township	12	79	Unsewered, potential SSTs	7,137,700	7,137,700	5,710,160	48,150,557	Wabasha
Grand Meadow 1	18.1	73	Adv trmt - phos, rehab trmt	5,296,200	455,473	364,379	48,514,936	Mower
Trosky	19	73	Unsewered, collection and treatment	3,468,560	3,468,560	2,774,848	51,289,784	Pipestone
Ogilvie	26	70	Adv trmt - phos, rehab treatment	4,732,000	1,395,940	1,116,752	52,406,536	Kanabec
Cascade Twp	43	64	Remove Hallmark T pond, connect to Rocheste	3,520,428	3,520,428	2,816,342	55,222,878	Olmsted
Oronoco	45	63	Unsewered, new WWTP	38,510,000	16,251,220	7,000,000	62,222,878	Olmsted
Fairmont	46	63	Rehab trmt, biosolids improvements	19,728,000	16,966,080	7,000,000	69,222,878	Martin

PSIG Grant Applicant	MPCA 2021 PPL Rank	MPCA 2021 PPL Pts	Project Description	Estimated Total Project Cost	Estimated PSIG Eligible Project Costs	Estimated	Estimated	County
						PSIG Grant (80%, \$7M max)	Grant Need, Cumulative	
Watertown	47	63	Adv trmt - phos, rehab existing system	17,321,600	12,367,622	7,000,000	76,222,878	Carver
Foley	50	63	Regionalize, connect to St. Cloud	19,406,000	18,707,384	7,000,000	83,222,878	Benton
Minnehaha Creek WD - Stormwater	98	56	Blake Road stormwater trmt, ph 2/3	4,005,000	4,005,000	3,204,000	86,426,878	Hennepin
Wells WTP	100	56	Adv trmt - chlorides, regional WTP	6,652,576	6,652,576	5,322,061	91,748,939	Faribault
Minnesota Lake WTP	103	56	Decommission, connect to Wells	5,572,114	5,572,114	4,457,691	96,206,630	Blue Earth
Amboy WTP	104	56	Adv trmt - chlorides, new WTP	1,526,444	1,526,444	1,221,155	97,427,786	Blue Earth
Easton WTP	105	56	Decommission, connect to Wells	4,702,198	4,702,198	3,761,758	101,189,544	Faribault
Annandale/Maple Lake/Howard Lake	107	55	Adv trmt - phos, rehab treatment	12,490,000	12,402,570	7,000,000	108,189,544	Wright
Ely	115	53	Adv trmt - mercury removal	9,300,000	6,841,434	5,473,147	113,662,691	St. Louis
West Union	132	51	Unsewered, collection and treatment	6,200,000	6,200,000	4,960,000	118,622,691	Todd
Mankato - stormwater	133	50	Warren Street pond improvements	2,294,461	1,773,618	1,418,895	120,041,586	Blue Earth
Inver Grove Heights - Stormwater	141	48	Rain gardens and bioretention	1,182,969	1,090,579	872,463	120,914,049	Dakota
Fosston	146	48	Expand treatment, add pond	9,628,658	9,266,219	not eligible	120,914,049	Polk
Silver Creek Twp	152	46	Unsewered, collection and treatment	18,080,000	5,478,240	4,382,592	125,296,641	Lake
Worthington	165	46	Rehab treatment	25,262,500	5,424,583	not eligible	125,296,641	Nobles
Mankato	169	45	Rehab trmt, digester and disinfection improver	43,312,500	4,331,250	3,465,000	128,761,641	Blue Earth
Cologne	186	43	Adv trmt - phos, expand trmt	12,301,800	5,388,188	4,310,551	133,072,192	Carver
Caledonia	192	41	Rehab treatment, add oxidation ditches	16,965,000	9,214,125	not eligible	133,072,192	Houston
Sacred Heart WTP	222	26	Adv trmt - cholrides, install RO	3,000,000	3,000,000	2,400,000	135,472,192	Renville
FY 2021 New Applications				395,406,914	188,482,957	101,016,274		

Total estimated unfunded (below dotted line) PSIG need: 72,920,904

Estimated Funding Needs Report  
Table 4

**Minnesota Public Facilities Authority**  
**Potential Wastewater WIF and PSIG Projects - FY 2021, alphabetical order**

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

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

					ESTIMATED Project Funding						ESTIMATED Average Annual Residential Cost per HH							
					PFA (State) Grants				Other Grants		Loan			Fixed Costs (non-project costs)		Project Costs		
Municipality	MPCA 2021 PPL Rank	Project Description	House- holds (Equivalent Res Units - ERUs)	Estimated Project Cost	Estimated PFA WIF Grant	Estimated PFA PSIG Grant	Estimated Other Grants (or local funds)	Other Source	Estimated PFA CWRP Loan	Estimated USDA-RD Loan	With or Without PFA Grants	Operation & Main- tenance Cost	Existing Debt Service (10 yr avg)	New Project Debt Service	Estimated WIF Replaceme nt Fund	Total Annual Cost		
Annandale 1	182	Rehab collection, Hwy 24	1,653	2,617,709	2,094,167	-	-		523,542	-	Without Grants	602.55	192.48	61.36		856.39		
											With Grants	602.55	192.48	12.27	2.50	809.80		
Annandale/Maple Lake	107	Adv trmt - phos, rehab treatment	4,344	12,490,000	4,392,000	7,000,000	-		1,098,000	-	Without Grants	708.02	217.63	111.41		1,037.06		
											With Grants	708.02	217.63	9.79	2.50	937.95		
Babbitt	52	Adv trmt - mercury, rehab treatment	849	13,975,000	5,000,000	5,131,256	-		3,843,744	-	Without Grants	548.26	14.13	637.81		1,200.21		
											With Grants	548.26	14.13	175.43	2.50	740.32		
Borup	89	Rehab collection and treatment	44	2,230,000	760,000	-	984,000	USDA-RD	-	486,000	Without Grants	325.00	-	990.35		1,315.35		
											With Grants	325.00	-	386.28	2.50	713.78		
Clarkfield	129	Rehab collection and treatment	534	7,460,000	1,875,000	-	2,202,000	USDA-RD	-	3,383,000	Without Grants	206.93	42.13	314.31		563.38		
											With Grants	206.93	42.13	202.23	2.50	453.79		
Cokato	134	Adv trmt - phos, rehab treatment	1,202	3,606,806	-	2,744,058	-		862,748	-	Without Grants	510.23	-	116.27		626.50		
											With Grants	510.23	-	27.81	-	538.04		
Cologne	186	Adv trmt - phos, expand trmt	852	12,301,800	-	4,310,551	-		7,991,249	-	Without Grants	507.75	-	559.47		1,067.22		
											With Grants	507.75	-	363.43	-	871.18		
Cosmos 1	5.1	Rehab collection, Phase 1	307	3,965,000	1,160,250	-	-		-	2,804,750	Without Grants	237.26	-	412.27		649.54		
											With Grants	237.26	-	291.63	2.50	531.40		
Dawson	33	Rehab collection and treatment	1,244	8,801,300	6,917,080	-	-		4,207,859	-	Without Grants	245.68	404.41	445.43		1,095.52		
											With Grants	245.68	404.41	131.07	2.50	783.65		

Estimated Funding Needs Report  
Table 4

Minnesota Public Facilities Authority

Potential Wastewater WIF and PSIG Projects - FY 2021, alphabetical order

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

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

					ESTIMATED Project Funding						ESTIMATED Average Annual Residential Cost per HH							
					PFA (State) Grants				Other Grants		Loan			Fixed Costs (non-project costs)		Project Costs		Total Annual Cost
														Operation & Main- tenance Cost	Existing Debt Service (10 yr avg)	New Project Debt Service	Estimated WIF Replaceme nt Fund	
Municipality	MPCA 2021 PPL Rank	Project Description	House- holds (Equivalent Res Units - ERUs)	Estimated Project Cost	Estimated PFA WIF Grant	Estimated PFA PSIG Grant	Estimated Other Grants (or local funds)	Other Source	Estimated PFA CWRP Loan	Estimated USDA-RD Loan	With or Without PFA Grants							
Deer River	187	Pond expansion and improvements	653	3,725,988	1,700,790	-	1,600,000	2020 bond	425,198	-	Without Grants	262.35	191.44	126.15		579.95		
											With Grants	262.35	191.44	25.23	2.50	481.53		
Dumont	87	Rehab collection and treatment	62	1,865,000	900,000	-	965,000	USDA-RD	-	-	Without Grants	450.97	236.77	507.66		1,195.40		
											With Grants	450.97	236.77	-	2.50	690.24		
Eagle Bend	91	Rehab collection, Ph 4	306	452,470	361,976	-	-		90,494	-	Without Grants	199.67	464.31	57.30		721.28		
											With Grants	199.67	464.31	11.46	2.50	677.95		
Easton	64	Rehab collection	111	2,277,174	912,000	-	876,174	USDA-RD	-	489,000	Without Grants	360.36	-	441.40		801.76		
											With Grants	360.36	-	154.07	2.50	516.93		
Ely	115	Adv trmt - mercury removal	2,626	9,300,000	-	5,473,147	-		3,826,853	-	Without Grants	304.65	41.41	137.23		483.28		
											With Grants	304.65	41.41	56.47	-	402.52		
Fairmont	46	Rehab trmt, biosolids improvements	6,038	19,728,000	-	7,000,000	-		12,728,000	-	Without Grants	222.50	54.48	126.60		403.58		
											With Grants	222.50	54.48	81.68	-	358.66		
Foley	50	Regionalize, connect to St. Cloud	2,131	19,406,000	-	7,000,000	8,000,000	2020 Stbo	4,406,000	-	Without Grants	210.46	28.60	207.40		446.46		
											With Grants	210.46	28.60	80.11	-	319.18		
Fosston	146	Expand treatment, add pond	711	9,628,658	5,000,000	-	-		4,628,658	-	Without Grants	420.53	353.31	524.74		1,298.58		
											With Grants	420.53	353.31	252.25	2.50	1,028.59		
Gilbert	8	Rehab collection	1,545	1,989,900	1,591,920	-	-		397,980	-	Without Grants	402.59	253.88	49.91		706.38		
											With Grants	402.59	253.88	9.98	2.50	668.95		



Estimated Funding Needs Report  
Table 4

**Minnesota Public Facilities Authority**  
**Potential Wastewater WIF and PSIG Projects - FY 2021, alphabetical order**

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

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

					ESTIMATED Project Funding						ESTIMATED Average Annual Residential Cost per HH							
					PFA (State) Grants				Other Grants		Loan			Fixed Costs (non-project costs)		Project Costs		
														Operation & Main- tenance Cost	Existing Debt Service (10 yr avg)	New Project Debt Service	Estimated WIF Replaceme nt Fund	
Municipality	MPCA 2021 PPL Rank	Project Description	House- holds (Equivalnt Res Units - ERUs)	Estimated Project Cost	Estimated PFA WIF Grant	Estimated PFA PSIG Grant	Estimated Other Grants (or local funds)	Other Source	Estimated PFA CWRP Loan	Estimated USDA-RD Loan	With or Without PFA Grants					Total Annual Cost		
Grand Meadow 1	18.1	Adv trmt - phos, rehab trmt	514	5,296,200	-	364,379	-		4,931,821	-	Without Grants	138.13	68.09	399.26		605.48		
											With Grants	138.13	68.09	371.79	-	578.01		
Grey Eagle	136	Rehab collection, lift station	183	5,225,000	825,000	-	3,225,000	USDA-RD	-	1,175,000	Without Grants	217.75	-	348.87		566.62		
											With Grants	217.75	-	204.96	2.50	425.21		
Hanley Falls	9	Rehab collection and treatment	100	3,000,000	1,000,000	-	1,015,000	USDA-RD	-	985,000	Without Grants	309.00	249.03	633.64		1,191.67		
											With Grants	309.00	249.03	314.43	2.50	874.96		
Houston 1	113.1	Rehab treatment	505	2,500,000	1,145,218	-	-		1,354,782	-	Without Grants	340.59	154.92	191.82		687.34		
											With Grants	340.59	154.92	103.95	2.50	601.97		
Hoyt Lakes 2	31	Adv trmt - mercury, rehab treatment	943	12,192,197	3,345,826	7,000,000	-		1,846,371	-	Without Grants	408.98	220.23	500.98		1,130.20		
											With Grants	408.98	220.23	75.87	2.50	707.58		
Keewatin	83	Regionalize, connect to East Itasca WWTP	520	2,543,710	-	2,034,968	580,000	SCDP	(71,258)	-	Without Grants	435.96	-	-		435.96		
											With Grants	435.96	-	-	-	435.96		
Lakefield	1	Adv trmt - phos, rehab collect/trmt	989	11,008,000	4,095,000	281,805	2,513,000	USDA-RD	-	4,118,195	Without Grants	338.62	97.90	300.39		736.92		
											With Grants	338.62	97.90	145.62	2.50	584.65		
Laneboro	77	New WWTP, rehab collection	503	10,978,331	5,907,200	-	-		5,524,731	-	Without Grants	430.34	24.68	933.06		1,388.09		
											With Grants	430.34	24.68	425.59	2.50	883.12		
Long Prairie	90	Rehab collection	2,817	2,885,492	2,308,394	-	-		577,098	-	Without Grants	255.23	443.14	39.69		738.07		
											With Grants	255.23	443.14	7.94	2.50	708.81		

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Table 4

Minnesota Public Facilities Authority

Potential Wastewater WIF and PSIG Projects - FY 2021, alphabetical order

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

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

					ESTIMATED Project Funding						ESTIMATED Average Annual Residential Cost per HH							
					PFA (State) Grants				Other Grants		Loan			Fixed Costs (non-project costs)		Project Costs		Total Annual Cost
														Operation & Main- tenance Cost	Existing Debt Service (10 yr avg)	New Project Debt Service	Estimated WIF Replaceme nt Fund	
Municipality	MPCA 2021 PPL Rank	Project Description	House- holds (Equivalent Res Units - ERUs)	Estimated Project Cost	Estimated PFA WIF Grant	Estimated PFA PSIG Grant	Estimated Other Grants (or local funds)	Other Source	Estimated PFA CWRP Loan	Estimated USDA-RD Loan	With or Without PFA Grants							
Loretto	21	Regionalization with MCES	257	1,189,193	-	769,646	419,547	MCES,city	-	-	Without Grants	431.91	-	-		431.91		
											With Grants	431.91	-	-	-	431.91		
Mankato	169	Rehab trmt, digester and disinfection improvements	19,560	43,312,500	-	3,465,000	-		39,847,500	-	Without Grants	234.37	36.24	85.80		356.41		
											With Grants	234.37	36.24	78.94	-	349.55		
Nashwauk	185	Adv trmt - phos, East Range WWTP	1,120	8,138,001	-	5,761,705	1,600,000	2018,20 st	776,296	-	Without Grants	302.41	2.28	226.19		530.88		
											With Grants	302.41	2.28	26.86	-	331.54		
Ogilvie	26	Adv trmt - phos, rehab treatment	210	4,732,000	-	1,116,752	3,450,000	COE 569, SCDP	165,248	-	Without Grants	710.92	36.90	236.55		984.38		
											With Grants	710.92	36.90	30.49	-	778.32		
Oronoco	45	Unsewered, new WWTP	485	38,510,000	-	7,000,000	27,027,000	2020,18 St	4,483,000	-	Without Grants	414.91	-	917.41		1,332.32		
											With Grants	414.91	-	358.16	-	773.07		
Ostrander	140	Rehab collection, ph 2	128	1,489,000	180,000	-	1,021,000	USDA-RD	-	288,000	Without Grants	488.88	142.38	116.71		747.98		
											With Grants	488.88	142.38	71.82	2.50	705.59		
Sherburn	39	Rehab collection and trmt	584	5,231,190	4,184,952	-	-		1,046,238	-	Without Grants	333.90	365.01	347.09		1,046.00		
											With Grants	333.90	365.01	69.42	2.50	770.83		
Silver Creek Twp	152	Unsewered, collection and treatment	126	18,080,000	3,320,000	4,382,592	2,000,000	USDA-RD	-	8,377,408	Without Grants	-	-	4,463.10		4,463.10		
											With Grants	-	-	2,325.20	2.50	2,327.70		
Spring Valley	23	Rehab collection and treatment	1,560	10,315,000	1,720,150	-	-		8,594,850	-	Without Grants	267.95	124.52	256.21		648.68		
											With Grants	267.95	124.52	213.48	2.50	608.45		

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Municipality	MPCA 2021 PPL Rank	Project Description	House- holds (Equivalent Res Units - ERUs)	Estimated Project Cost	ESTIMATED Project Funding						ESTIMATED Average Annual Residential Cost per HH					
					PFA (State) Grants		Other Grants		Loan		With or Without PFA Grants	Fixed Costs (non-project costs)		Project Costs		Total Annual Cost
					Estimated PFA WIF Grant	Estimated PFA PSIG Grant	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	6	Rehab collection, decommission ponds	1,125	6,785,944	2,495,642	-	2,088,265		-	4,928,443	Without Grants	119.32	222.75	215.81		557.88
											With Grants	119.32	222.75	139.84	2.50	484.41
Trosky	19	Unsewered, collection and treatment	47	3,468,560	-	2,774,848	493,712	USDA-RD	-	200,000	Without Grants	510.64	-	2,213.55		2,724.18
											With Grants	510.64	-	148.82	-	659.46
Two Harbors	150	Rehab/expand treatment	2,796	21,600,000	-	3,732,480	11,500,000	2020 Stbd	6,367,520	-	Without Grants	394.46	40.34	139.97		574.77
											With Grants	394.46	40.34	88.24	-	523.04
Waldorf	59	Rehab collection and trmt	134	6,059,676	1,800,000	-	2,734,676	USDA,Stbd	-	1,525,000	Without Grants	223.88	-	982.66		1,206.54
											With Grants	223.88	-	363.28	2.50	589.67
Watertown	47	Adv trmt - phos, rehab existing system	1,799	17,321,600	-	7,000,000	-		10,321,600	-	Without Grants	304.06	4.62	373.08		681.76
											With Grants	304.06	4.62	222.31	-	530.99
Waverly 2	119	Rehab collect Ph 4 - No. Shore Dr	446	2,280,500	1,824,400	-	-		456,100	-	Without Grants	1,031.39	296.67	198.13		1,526.19
											With Grants	1,031.39	296.67	39.63	2.50	1,370.19
Winger	123	Rehab collection and treatment	133	2,651,000	1,119,950	-	603,050	USDA-RD	-	928,000	Without Grants	252.88	-	491.53		744.41
											With Grants	252.88	-	222.73	2.50	478.11
Wood Lake 1	2.1	Rehab collection, ph 1	195	3,180,000	1,947,000	-	1,053,000	USDA-RD	-	180,000	Without Grants	341.03	211.79	348.19		901.01
											With Grants	341.03	211.79	29.47	2.50	584.79
Worthington	165	Rehab treatment	7,982	25,262,500	-	-	-		25,262,500	-	Without Grants	346.07	-	122.64		468.70
											With Grants	346.07	-	122.64	-	468.70

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														Fixed Costs (non-project costs)		Project Costs		
														PFA (State) Grants		Other Grants		
					Municipality	MPCA 2021 PPL Rank	Project Description	House- holds (Equivalent Res Units - ERUs)	Estimated Project Cost	Estimated PFA WIF Grant	Estimated PFA PSIG Grant	Estimated Other Grants (or local funds)	Other Source	Estimated PFA CWRF Loan	Estimated USDA-RD Loan	With or Without PFA Grants	Operation & Main- tenance Cost	Existing Debt Service (10 yr avg)
Zumbro Township	12	Unsewered, potential SSTS	87	7,137,700	620,561	5,710,160	-		806,979	-	Without Grants	782.18	-	3,178.99		3,961.18		
											With Grants	782.18	-	359.41	2.50	1,144.10		