



**MINNESOTA**

**PUBLIC FACILITIES AUTHORITY**

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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, 2024

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**Minnesota Public Facilities Authority  
2024 Estimated Funding Needs Report**

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*Note (as required by Minnesota Statutes, section 3.197): Preparing this report required an estimated 80 hours of staff time for a total cost of \$5,900.*

## **Introduction**

Nearly 600 Minnesota municipalities own and operate wastewater systems and over 700 own and operate drinking water systems. These systems are essential to protecting public health and the environment and maintaining them is a major responsibility for local governments. Challenges include replacing and rehabilitating aging infrastructure and upgrading treatment facilities to meet current water quality standards. Under state law, municipalities establish enterprise funds to pay for these systems and are authorized to collect user charges proportionate to the cost of providing service.

Through several loan and grant programs, the Minnesota Public Facilities Authority (MPFA) helps municipalities finance construction projects to meet their wastewater and drinking water needs. The primary source of MPFA project funding is low interest loans from the Clean Water Revolving Fund (CWRF) and the Drinking Water Revolving Fund (DWRF). The MPFA also administers two large grant programs: the Water Infrastructure Funding Program (WIF) that provides grants based on affordability criteria, and the Point Source Implementation Grant (PSIG) Program that provides grants to help municipalities upgrade water treatment facilities to improve water quality.

As required by Minnesota Statutes, Section 446A.076, this report identifies estimated funding needs under the WIF and PSIG grant programs. A description of the criteria and requirements for each program is provided below. Detailed lists of projects and estimated grant amounts are provided in Tables 1, 2, and 3 on pages 9-14. (In many cases, the estimated grant amounts in the report are based on preliminary project information and have not been finalized.)

Also as required by statute, Table 4 on pages 15-18 provides an analysis of the local cost impact of these programs for potential 2024 projects by estimating the average residential cost per household with and without the state grants.

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

Minnesota Statutes, Section 446A.072 establishes the Water Infrastructure Funding (WIF) program to provide grants to help cities build projects to replace aging and obsolete water systems that would otherwise be unaffordable. Without this assistance, municipal water systems in small and disadvantaged communities would be at increased risk of major system failure.

The MPFA 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 (USDA-RD) grant and loan program. Municipalities seeking WIF grants must be 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. Projects are ranked on the PPLs according to environmental and public health factors and are expected to proceed with construction within a five-year period. The MPFA evaluates all CWRP and DWRP loan applications for WIF grant eligibility. Projects that apply to USDA-RD for funding may also be eligible for WIF matching grants based on USDA-RD funding criteria.

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 MPFA 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 amounts based on the project cost estimates when projects are certified or the as-bid project cost, whichever is less. Grants are awarded when as-bid construction costs are submitted and all application information is verified. When a project's as-bid costs would result in a grant award greater than amount reserved, the MPFA awards the higher amount provided funding availability.

#### WIF Affordability Criteria

Minnesota Statutes, section 446A.072, subdivision 5a establishes WIF affordability criteria based on the average system costs per household. To compare the relative cost impact in each municipality, the cost per household is calculated as a percentage of median household income of the project service area. When projects serve the entire municipality with costs spread over all system users, the total system users and median household income of the municipality are used. For projects serving smaller service areas relying on special assessments on specific benefitting properties, affordability is calculated based on those users and the median household income of that service area. While the WIF program is potentially available to all cities, WIF grant recipients tend to be smaller communities with typically higher costs per household than larger cities.

For projects receiving MPFA loans, the MPFA determines average annual system cost per household 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 number of users. The MPFA calculates existing debt service 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) to capture both residential and non-residential users.

Projects are eligible to receive WIF grants to offset a portion of MPFA loans 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 grant amount is equal to 80 percent of the amount needed to reduce the average residential system cost to 1.4 percent or 1.2 percent threshold, up to a maximum grant of 80% of eligible project costs or \$5,000,000. The WIF program assistance is only for project costs

necessary to address existing needs, not growth. Under WIF, the eligible project cost is determined by multiplying the total project cost by the Essential Project Component percentage calculated for that project by MPCA or MDH, which represents the portion of the project needed to meet existing needs.

Small rural communities (generally under 1,000 population) with median household incomes below the non-metro state average may apply to USDA RD for wastewater and drinking water grants and loans. Projects eligible to receive USDA RD grants based on the USDA RD affordability criteria may receive WIF matching grants for up to 65% of the total grant need as determined by the USDA RD. 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 RD maximize its federal funding available for Minnesota communities.

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

#### System Replacement Fund Requirement

Under the provisions of Minnesota Statutes, section 446A.072, subdivision 12, each WIF recipient must establish a system replacement fund and annually deposit \$.050 per 1000 gallons of flow to be used for future projects for rehabilitation, expansion, or replacement of the wastewater or drinking water system. Each WIF recipient holds those funds in a dedicated system replacement account for the life of the corresponding MPFA or USDA RD loan, unless use of the funds is approved by the MPFA for eligible capital improvements. WIF recipients submit an annual certification to the MPFA documenting system replacement fund deposits and balances. WIF recipients are not required to maintain replacement fund balances greater than the amount of the WIF grants received.

#### Estimated WIF Needs

Table 1 on pages 9-10 (drinking water projects) and Table 2 on pages 11-12 (wastewater projects) identify potential WIF eligible projects on the respective 2024 Project Priority Lists. The top of each table shows the funds from prior appropriations that were available at the start of the fiscal year. Grey shading indicates projects since the beginning of FY 2024 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 projects that may receive federal principal forgiveness funds, which come from a portion of the annual federal funding for the state revolving loan programs. Federal law provides that principal forgiveness funds can be awarded as grants to reduce project costs that would otherwise be included in loan principal. Under state statutes, federal principal forgiveness grants can be awarded based on the same affordability criteria as WIF grants. State statutes also authorize principal forgiveness grants for green infrastructure projects and other specific project types.

Projects in each table are divided into categories based on their priority ranking and readiness to proceed, beginning with carryover projects that received technical approval and certification from the MPCA or MDH (or a USDA RD funding commitment) in a prior year, followed by new projects proposals on the current Intended Use Plan (IUP) and potential future year projects. The dotted line in each table indicates how far down the project list available funds reach.

Based on current estimates, available WIF and federal principal forgiveness funds are currently reserved to meet estimated affordability grant needs for all 'carryover' projects that received technical approvals in prior fiscal years. Additional appropriations will be needed for new 2024 WIF eligible projects. Federal principal forgiveness funds from Year 2 of the Infrastructure Investment and Jobs Act (IIJA) will also be available to meet affordability needs for 2024 projects. The list of potential 2024 WIF eligible projects may grow as projects on the 2024 IUP submit formal loan applications and additional project information is received. At the bottom of each WIF table potential future WIF eligible projects are shown that are expected to be ready for construction in future years.

Total estimated unfunded WIF needs for all identified eligible projects on the 2024 Project Priority Lists are \$103 million for drinking water and \$72 million for wastewater. Additional eligible projects will likely be identified as project reviews proceed.

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

Minnesota Statutes, Section 446A.073 establishes the Point Source Implementation Grant (PSIG) program to provide grants to help cities upgrade treatment facilities to improve water quality by reducing the discharge of specific pollutants. PSIG grants cover 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 MPFA 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. To receive PSIG Grants, projects are approved and certified by the MPCA and as-bid costs are submitted to the MPFA. Grant funds are reserved for projects that receive MPCA approval and certification by the end of each state fiscal year and awarded based on as-bid costs if funds are available.

### Estimated PSIG Needs

Table 3 on pages 13-14 identifies potential PSIG projects on the 2024 Project Priority List, starting with Carryover Projects (certified prior to June 30, 2023) in priority order, followed by FY 2024 PSIG applications in priority order. The MPCA has not yet confirmed PSIG project eligibility and eligible costs for FY 2024 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 from prior appropriations at the start of the fiscal year. Grey shading indicates projects since the beginning of FY 2024 where PSIG grants have already been awarded or where estimated grant funds are reserved. Unshaded amounts indicate estimated grants based on preliminary project information that have not yet been reserved. Estimated grants (shaded and unshaded) may change as project costs change and as project information is received and verified. 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 \$97 million. New PSIG applications will again be accepted in July 2024.

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

For wastewater projects with identified WIF or PSIG grant needs, Minnesota Statutes, Section 446A.076 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 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. 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. 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 estimated PFA or USDA RD loan amounts for each project would increase by the amount of the WIF and/or PSIG grants under the "Without PFA Grants" scenario.

The table shows the Twin Cities metropolitan area weighted average annual retail charge per household is \$377 based on the most recent Metropolitan Council survey done in 2022. Statute directs this amount be multiplied by 3 which equals \$1,131.

In general, smaller communities typically have higher residential costs than larger cities because they have fewer users over which to spread system costs. In addition, there are many other factors that can vary significantly from one community to another which can make it 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 (business and industrial) 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. Cities often phase system improvements over multiple years, making snapshot comparisons difficult. Finally, projects in unsewered communities involve construction of both a new sewer collection system and treatment facility, making these projects significantly more expensive than improvements to existing systems.





Estimated Funding Needs Report  
Table 1

Underwood	207	12	Treatment - Replace Plant	5,010,000	-	3,254,658	-	89,737,568	Otter Tail
Kandiyohi	241	11	Storage - Repl Tower w/75,000 Gal To	1,812,000	-	-	847,665	90,585,233	Kandiyohi
Aurora	269	10	Watermain - W 1st Ave. N. Reconstruc	2,611,000	-	2,088,800	-	92,674,033	St. Louis
Aurora	270	10	Watermain - W3rd Ave/Main St Replac	2,431,000	-	1,944,800	-	94,618,833	St. Louis
Appleton 3	287	10	Watermain - Replace 20 Blocks	6,000,000	-	2,973,789	-	97,592,622	Swift
Eagle Bend	297	10	Watermain - Phase 5	899,800	-	719,840	-	98,312,462	Todd
Staples	319	10	Watermain - 2024 Improvements	1,042,989	-	834,391	-	99,146,853	Todd
Henning	347	10	Treatment - Facility Rehab	3,366,360	-	2,693,088	-	101,839,941	Otter Tail
Crosby	358	10	Watermain - Phase 3B Improvements	2,384,800	-	1,907,840	-	103,747,781	Crow Wing
Ely	374	10	Watermain - Raw Water Intake/WM Re	4,513,000	-	3,506,702	-	107,254,483	St. Louis
Frazee	381	10	Watermain - Replace East Main Ave.	662,270	-	529,816	-	107,784,299	Becker
Madison	383	10	Treatment - Plant Rehab	5,550,000	-	4,440,000	-	112,224,299	Lac Qui Parle
Stewart	434	10	Watermain - Distribution Reconstructio	3,178,300	-	2,212,694	-	114,436,993	McLeod
Randall	442	10	Watermain - Water System Improve	4,000,000	-	1,555,002	-	115,991,995	Morrison
Olivia	464	10	Treatment - RO addition	5,200,000	-	4,160,000	-	120,151,995	Renville
Royalton	513	10	Watermain - Improvements & Looping	1,340,600	-	1,072,480	-	121,224,475	Morrison
Kandiyohi	561	10	Watermain - Phase 1 - Replacement	2,435,000	-	-	775,710	122,000,185	Kandiyohi
Ghent	588	10	Watermain - Replacement Phase 1	3,321,300	-	1,286,161	-	123,286,346	Lyon
Lowry	647	8	Source - New Wells	377,300	-	94,114	-	123,380,459	Pope
Lowry	685	7	Treatment - Plant Improvements	142,400	-	113,920	-	123,494,379	Pope
Lowry	686.1	7	Watermain - Replace & Loop, Ph 1	306,700	-	243,700	-	123,738,079	Pope
<b>FY 2024 WIF Needs</b>				<b>102,290,649</b>	-	<b>55,067,747</b>	<b>1,623,375</b>		

Other Potential WIF Needs (Estimated), FY 2025-2028									
	MDH 2024 PPL Rank	MDH 2024 PPL Pts	Project Description	Estimated Project Cost	Affordability - based Principal Forgiveness Grant	Estimated WIF Grant with PFA DWRFL Loan	Estimated WIF Grant to match USDA-RD	Estimated WIF Need, Cumulative	County
Clitherall	3	30	New System - NO3 Connect to Battle L	9,634,500	-	-	1,220,000	124,958,079	Otter Tail
Avoca	11	23	Other - Manganese Connect to Red Rc	503,200	-	112,431	-	125,070,510	Murray
Morgan	39	20	Treatment - Manganese Plant	4,775,000	-	-	2,300,116	127,370,626	Redwood
Coates	112	17.5	Other - New System Supplied by Rosei	16,800,000	-	1,700,000	-	129,070,626	Dakota
Danube	185	12	Watermain - Looping	304,000	-	-	148,200	129,218,826	Renville
Bellingham	195	12	Treatment - New Plant	3,750,000	-	-	1,828,125	131,046,951	Lac Qui Parle
Garfield	198	12	Treatment - New Fe/Mn Plant & Well	4,536,000	-	2,007,899	-	133,054,850	Douglas
Kandiyohi	216	12	Treatment - New Fe/Mn Plant & Wells	3,620,000	-	-	2,117,700	135,172,550	Kandiyohi
Kandiyohi	217	12	Watermain - Looping	433,000	-	-	253,305	135,425,855	Kandiyohi
Harris	231	12	Watermain - Looping	541,600	-	433,280	-	135,859,135	Chisago
Mendota	233	12	Watermain - Area 1 Loop	1,795,000	-	200,000	-	136,059,135	Dakota
Mendota	234	12	Watermain - Area 3 Loop	2,066,000	-	580,000	-	136,639,135	Dakota
Deerwood	236	11	Storage - Replace w/100,000 Gal Towr	923,000	-	-	407,356	137,046,492	Crow Wing
Onamia	249	10	Storage - Tower Rehab	365,298	-	-	95,022	137,141,514	Mille Lacs
Deerwood	260	10	Watermain - Repl 4 inch Mains, Phase	1,242,000	-	-	548,144	137,689,657	Crow Wing
Cosmos	268	10	Watermain - Repl - Phase 2	2,100,000	-	-	845,000	138,534,657	Meeke
Belview	284	10	Storage - Tower Rehab	486,250	-	-	237,047	138,771,704	Redwood
Erskine	288	10	Storage - Remove Original Tower	58,000	-	46,400	-	138,818,104	Polk
Erskine	289	10	Watermain - Replace 1947 Lines	1,179,150	-	943,320	-	139,761,424	Polk
Rushmore	330	10	Watermain - Connection to LPRWS	2,910,000	-	-	486,850	140,248,274	Nobles
Tracy	340	10	Watermain - Loop and Replace	5,413,000	-	-	1,178,450	141,426,724	Lyon
Lanesboro	371	10	Watermain - Repl TH250	1,261,898	-	-	-	141,426,724	Fillmore
Danube	411	10	Watermain - Repl Cast Iron Mains	5,500,000	-	-	2,681,250	144,107,974	Renville
Lewisville	455	10	Watermain - Replace Cast Iron WMS	5,009,000	-	2,680,000	-	146,787,974	Watsonwan
Bellingham	457	10	Storage - Replace Tower	2,490,000	-	-	1,213,875	148,001,849	Lac Qui Parle
Bellingham	458	10	Watermain - Repl CIP	1,260,000	-	-	614,250	148,616,099	Lac Qui Parle
Bellingham	459	10	Conservation - Install Meters	520,000	-	-	253,500	148,869,599	Lac Qui Parle
Hokah	473	10	Source - Phase 1 - Upgrade Wells & R	1,025,000	-	-	299,813	149,169,412	Houston
Hokah	474	10	Source - Construction Well No. 3	565,000	-	-	165,263	150,212,174	Houston
Hokah	475	10	Watermain - Distribution System Imp.	3,540,000	-	-	1,035,450	151,247,624	Houston
Sacred Heart	476	10	Treatment - RO to Address Chlorides	8,617,000	-	-	4,951,050	156,198,674	Renville
Comfrey	480	10	Watermain - Replace Cast Iron Main	1,678,000	-	845,778	-	157,044,452	Brown
Audubon	484	10	Storage - Tower Rehab	406,000	-	324,800	-	157,369,252	Becker
Belview	523	10	Watermain - Street Utility Replacement	7,857,110	-	-	3,720,000	161,089,252	Redwood
Warren	531	10	Watermain - Ross Ave. Utility Repl Prjc	520,000	-	258,000	-	161,347,252	Marshall
Lake Lillian	537	10	Watermain - Repl & Loop	7,118,000	-	-	2,620,000	163,967,252	Kandiyohi
Kandiyohi	560	10	Watermain - Repl McLaughlin & 3rd St	473,000	-	-	276,705	164,243,957	Kandiyohi
Kandiyohi	562	10	Watermain - Phase 2 - Replacement	2,584,000	-	-	1,511,640	165,755,597	Kandiyohi
Kandiyohi	563	10	Watermain - Phase 3 - Replacement	609,000	-	-	356,265	166,111,862	Kandiyohi
Audubon	666	7	Watermain - Falcon Street Loop	98,000	-	78,400	-	166,190,262	Becker
Lowry	686.2	7	Watermain - Replace & Loop, Ph 2	2,672,200	-	1,577,028	-	167,767,289	Pope
Silver Lake	746	5	Storage - New 115,000 Gallon Tank	1,000,000	-	-	499,388	168,266,677	McLeod
Greenbush	750	5	Watermain - Repl Area 7 - Main & Park	821,544	-	657,235	-	168,923,912	Roseau
Greenbush	751	5	Watermain - Repl Area 8 -2nd & Johns	837,537	-	670,030	-	169,593,942	Roseau
Silver Lake	773	5	Source - Rehab Wells	583,930	-	-	291,607	169,885,549	McLeod
Silver Lake	774	5	Storage - New Standpipe	1,399,000	-	-	698,643	170,584,192	McLeod
Silver Lake	775	5	Watermain - Distribution Reconstructio	6,701,152	-	-	3,346,472	173,930,664	McLeod
Vernon Center	812	5	Watermain - Repl Various Areas	3,487,750	-	-	1,608,673	175,539,337	Blue Earth
				<b>140,546,119</b>		<b>13,114,600</b>	<b>38,686,657</b>		

Estimated unfunded WIF need 2025-28: 102,895,335  
Unfunded Projects: 76

Estimated Funding Needs Report  
Table 2

Minnesota Public Facilities Authority  
Water Infrastructure Funding (WIF) Program

WIF - WASTEWATER  
FY 2024

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 7/1/2023: \$ 65,839,078  
Potential transfer to DW WIF (25,000,000)  
40,839,078

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

2022-23 base federal PF (grant) available as of 7/1/23: \$ 3,858,031  
2022 IJA PF (Yr 1 IJA) as of 7/1/23: \$ 16,029,370  
19,887,401

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 Rank	MPCA PPL Pts	Project Description	Estimated Project Cost	Estimated CWRP Fed PF Grant - Green	Estimated CWRP Fed PF Grant - Affordability	Estimated WIF Grant with PFA CWRP Loan	Estimated WIF Grant to match USDA-RD	Estimated WIF Need, Cumulative	County
<b>WIF Needs - FY 2021 Carryover Projects (certified by 6/30/2021)</b>									
Ogilvie	44	70	Adv trmt - phos/mercury, rehab treatment	9,118,000	-	-	3,010,804	3,010,804	Kanabec
Winger	160	53	Rehab collection and treatment	4,805,000	-	-	2,200,000	5,210,804	Polk
FY 2021 Carryover Projects			13,923,000	-	-	-	5,210,804		
<b>WIF Needs - FY 2022 Carryover Projects (certified by 6/30/2022)</b>									
Zumbro Township	15	79	Unsewered - Ryans Bay, LSTS with nitrogen trm	9,395,622	-	-	1,760,000	6,970,804	Wabasha
New London	28	73	Rehab collection, 4th Ave, Birch St	673,595	-	538,876	-	6,970,804	Kandiyohi
Henning	101	60	Rehab collection Ph 2, Imnan St	1,166,978	-	933,582	-	6,970,804	Otter Tail
Appleton 1	195.1	47	Rehab collect, part A Schlieman Ave	2,306,250	-	1,845,000	-	6,970,804	Swift
Appleton 2	195.2	47	Rehab collect, part B Schlieman Ave	5,308,750	-	4,247,000	-	6,970,804	Swift
FY 2022 Carryover Projects			18,851,195	-	7,564,458	1,760,000	-		
<b>WIF Needs - FY 2023 Carryover Projects (certified by 6/30/2023)</b>									
Silver Lake	9	88	Adv trmt - phos, rehab collection and ponds	10,960,804	-	-	3,114,000	10,084,804	McLeod
Tracy	10	88	Rehab collection Ph 4, Center St & Lining	1,337,155	-	-	869,150	10,953,954	Lyon
Wabasso 1	21.1	76	Rehab collection	11,187,000	-	-	2,910,000	13,863,954	Redwood
Kandiyohi	27	73	Rehab collection Ph1, connect unsewered area	2,133,000	-	-	582,700	14,446,654	Kandiyohi
Henning	102	60	Rehab collection, main LS and FM	6,510,000	-	5,000,000	-	14,446,654	Otter Tail
Otsego - West WWTP	131	56	Adv trmt - phos, expand treatment	42,045,359	1,000,000	-	-	14,446,654	Wright
Clinton	139	55	Rehab collection, ph 2	2,500,000	-	-	1,300,000	15,746,654	Big Stone
Madison	172	51	Rehab collection, TH75 & TH40	2,899,998	-	-	2,319,998	18,066,652	Lac Qui Parle
Howard Lake	183	49	Rehab collection, Ph 2	7,625,500	-	-	2,230,459	20,297,111	Wright
Mazeppa	232	44	Rehab collection and treatment	15,404,300	-	-	2,513,423	22,810,534	Wabasha
Long Prairie 1	247.1	41	Rehab and trmt Ph 1, main LS	2,623,500	-	2,098,800	-	22,810,534	Todd
Walker	254	40	Rehab collection	853,463	-	-	659,482	23,470,016	Cass
FY 2023 Carryover Projects			106,080,079	1,000,000	7,098,800	2,979,480	13,519,732		
<b>POTENTIAL FY 2024 WIF Needs (ESTIMATED) - FY 2024 IUP &amp; RD Projects (projects must be certified by 6/30/24, other eligible projects may be added)</b>									
Aurora	1	113	Rehab treatment	17,700,000	-	3,224,143	1,775,857	25,245,873	St. Louis
Wood Lake	4	93	Rehab treatment, collection ph 2	4,735,745	-	-	320,784	25,566,657	Yellow Medicine
Cosmos	7	88	Rehab collection, Phase 2	4,398,733	-	-	2,209,176	27,775,834	Meeker
Lake Crystal	8	88	Regionalize, connect to Mankato	16,000,000	-	-	1,214,225	28,990,058	Blue Earth
Hanley Falls	11	83	Rehab collection ph 2	2,700,000	-	-	1,755,000	30,745,058	Yellow Medicine
Appleton 3	18	77	Adv trmt - phos, biosolids	9,980,400	-	-	4,471,219	35,216,278	Swift
Alpha	23	75	Rehab collection and treatment	6,864,000	-	-	1,320,000	36,536,278	Jackson
West Union	42	71	Unsewered, collection and treatment, spray irrig	8,750,000	-	-	840,000	37,376,278	Todd
Rochester	49	68	Rehab treatment, liquid & solids upgrade	78,392,964	1,000,000	-	-	37,376,278	Olmsted
Lake Lillian	51	68	Rehab collection, ph 2	4,477,000	-	-	1,909,700	39,285,978	Kandiyohi
Ghent	56	68	Rehab collection and treatment, expand pond	8,866,490	-	-	3,420,000	42,705,978	Lyon
New Germany	75	63	Adv trmt - phos, add pond	8,900,000	-	-	3,660,000	46,365,978	Carver
Crosby	79	63	Rehab collection, ph 2	2,552,700	-	-	1,979,189	48,345,166	Crow Wing
Gilman	83	63	Rehab collection and treatment	6,802,000	-	-	1,700,000	50,045,166	Benton
Lewiston	84	63	Rehab collection and treatment	14,648,278	-	-	5,000,000	55,045,166	Winona
Braham 2	96.2	61	Rehab collection	4,630,000	-	-	3,704,000	58,749,166	Isanti
Vernon Center	106	59	Rehab collection	5,592,797	-	-	1,367,871	60,117,037	Blue Earth
Eagle Bend	121	57	Rehab collection, Ph 5	794,900	-	-	635,920	60,752,957	Todd
Ash River San District	146	53	Unsewered, LSTS	24,206,000	-	-	2,220,000	62,972,957	St. Louis
Fosston	192	48	Rehab treatment, add pond	12,791,711	-	-	5,000,000	67,972,957	Polk
Appleton 4	196	47	Rehab collection, ph 2	12,500,000	-	-	5,000,000	72,972,957	Swift
Evansville	220	46	Rehab collection and treatment, LS	835,000	-	-	312,449	73,285,406	Douglas
Potential FY 2023 WIF Needs			257,118,718	1,000,000	3,224,143	38,392,858	11,422,532		
<b>Other Potential WIF Needs (Estimated), FY 2025...</b>									
MPCA Rank	MPCA 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
Wabasso 2	21.2	76	Rehab treatment	15,670,000	-	-	5,000,000	78,285,406	Redwood
Grand Meadow	31	73	Adv trmt - phos, rehab collection and trmt	13,150,000	-	-	5,000,000	83,285,406	Mower
Edgerton	46	68	Rehab collection	10,200,000	-	-	2,983,500	86,268,906	Pipestone
Belview	64	66	Rehab collection and treatment	13,889,295	-	-	3,720,000	89,988,906	Redwood
Lewisville	65	66	Rehab collection	3,900,000	-	-	1,969,561	91,958,467	Watonwan
Russell	88	63	Rehab collection and treatment	4,100,000	-	-	1,435,850	93,394,317	Lyon
Houston 1	144.1	54	Rehab collection ph1 - Jackson, Lincoln, Spruce	2,735,155	-	-	1,041,291	94,435,608	Houston
Houston 2	144.2	54	Rehab collection ph 2, TH 16	700,000	-	-	560,000	94,995,608	Houston

Estimated Funding Needs Report  
Table 2

	MPCA	MPCA	Project Description	Estimated Project Cost						County
	2024 PPL Rank	2024 PPL Pts								
Tintah	162	52	Unsewered, connect to Campbell	2,700,000	-	-	-	460,000	95,455,608	Traverse
Goodhue	166	51	Regionalize, connect to North Zumbro SD	11,941,140	-	-	550,555	-	96,006,164	Goodhue
Sebeka	184	49	Rehab treatment	4,249,350	-	-	-	1,211,828	97,217,991	Wadena
Annandale	223	45	Rehab collection, Hwy 55	1,157,352	-	-	925,882	-	98,143,873	Wright
Long Prairie 2	247.2	41	Rehab and trmt Ph 2, biosolids	4,000,000	-	-	3,200,000	-	101,343,873	Todd
Browerville	257	39	Rehab treatment	6,205,600	-	-	4,964,480	-	106,308,353	Todd
Wanamingo	259	39	Regionalize, connect to North Zumbro SD	10,946,045	-	-	1,024,667	-	107,333,020	Goodhue
Silver Creek Twp - Stew	280	33	Unsewered, connect to Two Harbors	20,525,000	-	-	-	3,320,000	110,653,020	Lake
Coates	296	14	Unsewered, connect to MCES	12,200,000	-	-	1,700,000	-	112,353,020	Dakota
				138,268,937				20,936,436	18,131,178	

Total estimated unfunded (below dotted line) WIF need: 71,513,942  
Unfunded Projects: 29

Estimated Funding Needs Report  
Table 3

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

**PSIG**  
**FY 2024**

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 7/1/2023 (bonding and CWF): 100,918,514**

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 2024 PPL Rank	MPCA 2024 PPL Pts	Project Description	Estimated Total Project Cost	Estimated PSIG Eligible Project Costs	Estimated PSIG Grant (80%, \$7M max) <b>NOT FINAL</b>	Estimated Grant Need, Cumulative	County
<b>FY 2021 PSIG Carryover Projects (MPCA certified by 6/30/2021)</b>								
Mankato - stormwater	175	50	Warren Street pond improvements	1,450,000	1,153,400	922,720	922,720	Blue Earth
Mankato	224	45	Rehab trmt, digester and disinfection improven	89,000,000	13,754,337	7,000,000	7,922,720	Blue Earth
<b>FY 2022 PSIG Carryover Projects (MPCA certified by 6/30/2022)</b>								
Owatonna	5	88	Adv trmt - phos, expand treatment	32,858,198	10,436,512	7,000,000	14,922,720	Steele
Zumbro Township	15	79	Unsewered - Ryans Bay, LSTS with nitrogen trm	9,395,622	9,395,622	7,000,000	21,922,720	Wabasha
Fairmont	72	63	Rehab trmt, biosolids improvements	32,183,915	7,824,249	6,259,400	28,182,120	Martin
Foley	82	63	Regionalize, connect to St. Cloud	28,364,326	24,522,436	7,000,000	35,182,120	Benton
Minnehaha Creek WD - Stormwater	128	56	Blake Road stormwater trmt, ph 2/3	2,546,386	2,546,386	2,037,109	37,219,228	Hennepin
Annandale/Maple Lake/Howard Lake	136	55	Adv trmt - phos, rehab treatment	12,490,000	12,157,616	7,000,000	44,219,228	Wright
Sacred Heart WTP	275	36	Adv trmt - chlorides, install RO	8,617,000	8,617,000	6,893,600	51,112,828	Renville
<b>PSIG Carryover Projects</b>				<b>216,905,447</b>	<b>90,407,559</b>	<b>51,112,828</b>		
<b>FY 2023 PSIG Carryover Projects (MPCA certified by 6/30/2023)</b>								
Trosky	37	73	Unsewered, collection and treatment	4,424,965	4,424,965	3,539,972	54,652,800	Pipestone
Ogilvie	44	70	Adv trmt - phos/mercury, rehab treatment	9,118,000	1,397,745	1,118,196	55,770,996	Kanabec
Kandiyohi Co - Glacial Lakes SSWD 1	47.1	68	Rehab treatment, ph 2, adv trmt	13,200,000	8,623,174	6,898,539	62,669,536	Kandiyohi
Braham 1	96.1	61	Rehab treatment	7,722,055	918,366	734,693	63,404,228	Isanti
Saint Paul - Stormwater 1	99	60	Bush Desoto Pond	1,020,050	1,020,050	816,040	64,220,268	Ramsey
Otsego - West WWTP	131	56	Adv trmt - phos, expand treatment	42,045,359	12,768,230	7,000,000	71,220,268	Wright
Redwood Falls	145	54	Adv trmt - phos, rehab WWTP	9,960,000	8,850,869	7,000,000	78,220,268	Redwood
Saint Paul - Stormwater 2	186	48	Flandrau-Case Pond expansion and filter bench	878,025	878,025	702,420	78,922,688	Ramsey
Blue Earth WTP	227	45	Adv trmt - chlorides, new WTP	13,860,000	10,730,323	7,000,000	85,922,688	Blue Earth
Mazeppa	232	44	Rehab collection and treatment	15,404,300	3,108,221	2,486,577	88,409,265	Wabasha

Estimated Funding Needs Report  
Table 3

PSIG Grant Applicant	MPCA	MPCA	Project Description	Estimated Total Project Cost	Estimated PSIG Eligible Project Costs	Estimated	Estimated	County
	2024 PPL	2024 PPL				(80%, \$7M max)	Grant Need, Cumulative	
	Rank	Pts				NOT FINAL		
<b>FY 2023-24 New Applications (projects must be certified by 6/30/24)</b>								
Aurora	1	113	Rehab treatment	17,700,000	12,546,544	7,000,000	95,409,265	St. Louis
Wood Lake	4	93	Rehab treatment, collection ph 2	4,735,745	824,020	659,216	96,068,481	Yellow Medicine
Lake Crystal	8	88	Regionalize, connect to Mankato	16,000,000	16,000,000	7,000,000	103,068,481	Blue Earth
Belle Plaine	12	83	Adv trmt - phos, rehab/expand	20,475,000	6,408,675	5,126,940	108,195,421	Scott
Albert Lea 2	17.2	78	Adv trmt - phos, rehab treatment	74,825,000	50,132,750	7,000,000	115,195,421	Freeborn
Appleton 3	18	77	Adv trmt - phos, biosolids	9,980,400	5,489,220	4,391,376	119,586,797	Swift
Saint Michael	25	75	Adv trmt - phos, replace reed beds	34,000,000	19,618,000	7,000,000	126,586,797	Wright
Sandstone	35	73	Adv trmt - phos	560,000	560,000	448,000	127,034,797	Pine
West Union	42	71	Unsewered, collection and treatment, spray irri	8,750,000	8,750,000	7,000,000	134,034,797	Todd
Nobles County - Reading	48	68	Unsewered, potential SSTS	6,615,500	6,615,500	5,292,400	139,327,197	Nobles
Rochester	49	68	Rehab treatment, liquid & solids upgrade	78,392,964	18,814,311	7,000,000	146,327,197	Olmsted
Faribault Co - Riverside	58	67	Unsewered, potential SSTS	7,826,050	3,615,635	2,892,508	149,219,705	Faribault
Mayer	74	63	Rehab treatment, biosolids	9,111,750	7,626,535	6,101,228	155,320,933	Carver
New Germany	75	63	Adv trmt - phos, add pond	8,900,000	1,911,720	1,529,376	156,850,309	Carver
Brewster	77	63	Adv trmt - phos, rehab treatment	9,010,900	2,523,052	2,018,442	158,868,750	Nobles
Cologne	78	63	Adv trmt - phos, expand trmt	20,458,673	8,449,432	6,759,546	165,628,296	Carver
Sacred Heart	132	56	Biosolids improvements	2,850,000	2,850,000	2,280,000	167,908,296	Renville
Ash River San District	146	53	Unsewered, LSTS	24,206,000	4,608,456	3,686,765	171,595,061	St. Louis
Scandia - Bliss	179	50	Adv trmt - nitrogen, rehab LSTS	1,600,900	1,600,900	1,280,720	172,875,781	Washington
Litchfield	188	48	Rehab treatment, expand bio capacity	55,000,000	8,470,000	6,776,000	179,651,781	Meeker
Apple Valley - Stormwater	198	47	Whitney Pond expansion	1,000,084	1,000,084	800,067	180,451,848	Dakota
Inver Grove Heights - Stormwater	199	47	Dawn Way neighborhood rain gardens and infil	3,724,000	3,724,000	2,979,200	183,431,048	Dakota
Big Lake	215	46	Rehab/expand treatment	18,000,000	2,412,000	1,929,600	185,360,648	Sherburne
Lone Pine Twp - Swan Lake	231	44	Unsewered, connect to East Itasca WWTP	9,272,600	9,272,600	7,000,000	192,360,648	Itasca
Winona	237	44	Adv trmt - phos	23,979,976	11,174,669	7,000,000	199,360,648	Winona
				1,018,419,190	448,533,187	250,473,476		

Total estimated unfunded (below dotted line) PSIG need: 98,442,134

Unfunded Projects: 24

Estimated Funding Needs Report  
Table 4

**Minnesota Public Facilities Authority**  
**Estimated Average Annual Residential Wastewater System Costs, with and without PFA program grants**  
**FY 2024 Potential Wastewater WIF and PSIG Projects, alphabetical order**  
*- Does not include projects that haven't yet submitted system cost information detail*

For comparison: The Twin Cities metropolitan area weighted average annual retail charge per household (MCES 2022 survey): **\$ 377.00**  
(\$377.00 x 3 = \$1,131.00)

Municipality	MPCA 2024 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 or CWRF PF Grant - Affordblty	Estimated PSIG Grant to Improve WQ	Estimated CWRF PF Grant - Green Proj Resrv	Estimated Other Grants (or local funds)	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 Replacem ent Fund	
Annandale/Maple Lake/Howard Lake	136	Adv trmt - phos, rehab treatment	4,501	12,490,000	-	7,000,000	-	-	-	5,490,000	-	Without PFA Grants	504.52	196.57	128.03	-	829.11
					With PFA Grants	504.52	196.57	56.27	-	757.36							
Appleton 1	195.1	Rehab collect, part A Schlieman Ave	1,290	2,306,250	1,845,000	-	-	-	-	461,250	-	Without PFA Grants	563.87	3.80	82.48	-	650.15
					With PFA Grants	563.87	3.80	16.50	30.00	614.17							
Aurora	1	Rehab treatment	990	17,700,000	5,000,000	7,000,000	-	-	-	5,700,000	-	Without PFA Grants	368.33	38.09	824.87	-	1,231.29
					With PFA Grants	368.33	38.09	265.64	30.00	702.06							
Braham 2	96.2	Rehab collection	960	4,630,000	3,704,000	-	-	-	-	926,000	-	Without PFA Grants	364.26	530.54	222.51	-	1,117.32
					With PFA Grants	364.26	530.54	44.50	30.00	969.31							
Brewster	222	Adv trmt - phos, rehab treatment	699	9,010,900	-	2,018,442	-	-	-	6,992,458	-	Without PFA Grants	238.91	-	594.76	-	833.67
					With PFA Grants	238.91	-	461.53	-	700.44							
Cosmos	7	Rehab collection, Phase 2	307	4,398,733	2,209,176	-	-	1,019,000	USDA-RD	-	1,170,557	Without PFA Grants	237.26	-	485.94	-	723.21
					With PFA Grants	237.26	-	168.30	30.00	435.57							
Crosby	79	Rehab collection, ph 2	1,331	2,552,700	1,979,189	-	-	-	-	573,511	-	Without PFA Grants	403.04	60.83	88.48	-	552.35
					With PFA Grants	403.04	60.83	19.88	30.00	513.75							
Eagle Bend	121	Rehab collection, Ph 5	298	794,900	635,920	-	-	-	-	158,980	-	Without PFA Grants	262.74	444.29	123.07	-	830.10
					With PFA Grants	262.74	444.29	24.61	30.00	761.64							
Evansville	220	Rehab collection and treatment, LS	346	835,000	312,449	-	-	-	-	522,551	-	Without PFA Grants	416.76	88.97	111.34	-	617.08
					With PFA Grants	416.76	88.97	69.68	30.00	605.42							
Fairmont	72	Rehab trmt, biosolids improvements	9,185	32,183,915	-	6,259,400	-	-	-	25,924,515	-	Without PFA Grants	185.75	25.16	161.66	-	372.57
					With PFA Grants	185.75	25.16	130.22	-	341.13							



Estimated Funding Needs Report  
Table 4

**Minnesota Public Facilities Authority**  
**Estimated Average Annual Residential Wastewater System Costs, with and without PFA program grants**  
**FY 2024 Potential Wastewater WIF and PSIG Projects, alphabetical order**  
*- Does not include projects that haven't yet submitted system cost information detail*

For comparison: The Twin Cities metropolitan area weighted average annual retail charge per household (MCES 2022 survey): **\$ 377.00**  
(\$377.00 x 3 = \$1,131.00)

Municipality	MPCA 2024 PPL Rank	Project Description	Households (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 or CWRP PF Grant - Affordblty	Estimated PSIG Grant to Improve WQ	Estimated CWRP PF Grant - Green Proj Resrv	Estimated Other Grants (or local funds)	Source	Estimated PFA CWRP Loan	Estimated USDA-RD Loan		Operation & Maintenance Cost	Existing Debt Service (10 yr avg)	New Project Debt Service	Estimated WIF Replacement Fund	
Hanley Falls	11	Rehab collection ph 2	103	2,700,000	1,755,000	-	-	945,000	USDA-RD	-	-	Without PFA Grants	367.96	237.72	752.11	-	1,357.79
												With PFA Grants	367.96	237.72	-	30.00	635.68
Henning	101	Rehab collection Ph 2, Imnan St	426	1,166,978	933,582	-	-	-		233,396	-	Without PFA Grants	327.77	293.43	126.39	-	747.58
												With PFA Grants	327.77	293.43	25.28	30.00	676.47
Howard Lake	183	Rehab collection, Ph 2	1,139	7,625,500	2,230,459	-	-	-		5,395,041	-	Without PFA Grants	362.88	517.02	308.88	-	1,188.78
												With PFA Grants	362.88	517.02	218.53	30.00	1,128.43
Kandiyohi	27	Rehab collection Ph1, connect unsewered area	255	2,133,000	582,700	-	-	1,448,300	USDA-RD	-	102,000	Without PFA Grants	420.00	369.83	118.52	-	908.35
												With PFA Grants	420.00	369.83	17.66	30.00	837.49
Kandiyohi Co - Glacial Lakes SSWD 1	47.1	Rehab treatment, ph 2, adv trmt	3,250	13,200,000	-	6,898,539	-	-		6,301,461	-	Without PFA Grants	411.62	432.93	187.39	-	1,031.93
												With PFA Grants	411.62	432.93	89.46	-	934.00
Lake Crystal	8	Regionalize, connect to Mankato	1,185	16,000,000	1,214,225	7,000,000	-	-		7,785,775	-	Without PFA Grants	575.90	61.90	622.94	-	1,260.74
												With PFA Grants	575.90	61.90	303.13	30.00	970.93
Lake Lillian	51	Rehab collection, ph 2	132	4,477,000	1,909,700	-	-	1,448,300	USDA-RD	-	1,119,000	Without PFA Grants	242.42	60.00	1,012.80	-	1,315.22
												With PFA Grants	242.42	60.00	374.19	30.00	706.62
Lewiston	84	Rehab collection and treatment	680	14,648,278	5,000,000	-	-	-		9,648,278	-	Without PFA Grants	617.65	353.06	993.86	-	1,964.57
												With PFA Grants	617.65	353.06	654.62	30.00	1,655.33
Long Prairie 1	247.1	Rehab and trmt Ph 1, main LS	2,753	2,623,500	2,098,800	-	-	-		524,700	-	Without PFA Grants	387.66	492.98	43.97	-	924.61
												With PFA Grants	387.66	492.98	8.79	30.00	919.43
Madison	172	Rehab collection, TH75 & TH40	1,000	2,899,998	2,319,998	-	-	-		580,000	-	Without PFA Grants	348.93	265.59	133.80	-	748.32
												With PFA Grants	348.93	265.59	26.76	30.00	671.28



Estimated Funding Needs Report  
Table 4

**Minnesota Public Facilities Authority**  
**Estimated Average Annual Residential Wastewater System Costs, with and without PFA program grants**  
**FY 2024 Potential Wastewater WIF and PSIG Projects, alphabetical order**  
*- Does not include projects that haven't yet submitted system cost information detail*

For comparison: The Twin Cities metropolitan area weighted average annual retail charge per household (MCES 2022 survey): **\$ 377.00**  
( $\$377.00 \times 3 = \$1,131.00$ )

Municipality	MPCA 2024 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 or CWRP PF Grant - Affordblty	Estimated PSIG Grant to Improve WQ	Estimated CWRP PF Grant - Green Proj Resrv	Estimated Other Grants (or local funds)	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 Replacem ent Fund	
Mazeppa	232	Rehab collection and treatment	387	15,404,300	2,513,423	2,486,577	-	6,036,000	USDA-RD	-	4,368,300	Without PFA Grants	443.15	-	1,068.54	-	1,511.69
												With PFA Grants	443.15	-	498.24	30.00	971.40
New London	28	Rehab collection, 4th Ave, Birch St	806	673,595	538,876	-	-	-		134,719	-	Without PFA Grants	675.08	84.94	33.34	-	793.36
												With PFA Grants	675.08	84.94	6.67	30.00	796.69
Ogilvie	44	Adv trmt - phos/mercury, rehab treatment	195	9,118,000	3,010,804	1,118,196	-	4,733,000	USDA-RD	-	256,000	Without PFA Grants	521.74	39.36	877.05	-	1,438.15
												With PFA Grants	521.74	39.36	51.20	30.00	642.30
Otsego - West WWTP	131	Adv trmt - phos, expand treatment	5,626	42,045,359	-	7,000,000	1,000,000	-		34,045,359	-	Without PFA Grants	311.36	253.81	344.80	-	909.97
												With PFA Grants	311.36	253.81	279.19	-	844.37
Redwood Falls	145	Adv trmt - phos, rehab WWTP	4,144	9,960,000	-	7,000,000	-	-		2,960,000	-	Without PFA Grants	241.92	12.75	110.89	-	365.56
												With PFA Grants	241.92	12.75	32.95	-	287.62
Rochester	49	Rehab treatment, liquid & solids upgrade	69,421	78,392,964	-	7,000,000	-	935,000	22 fed earmark	70,457,964	-	Without PFA Grants	195.05	50.99	51.48	-	297.51
												With PFA Grants	195.05	50.99	46.83	-	292.86
Silver Lake	9	Adv trmt - phos, rehab collection and ponds	440	10,960,804	3,114,000	-	-	1,678,000	USDA-RD	-	6,168,804	Without PFA Grants	233.68	69.12	931.25	-	1,234.05
												With PFA Grants	233.68	69.12	618.86	30.00	951.66
Trosky	37	Unsewered, collection and treatment	54	4,424,965	-	3,539,972	-	793,993	USDA-RD	-	91,000	Without PFA Grants	462.96	-	2,968.04	-	3,431.01
												With PFA Grants	462.96	-	74.39	-	537.35
Vernon Center	106	Rehab collection	163	5,592,797	1,367,871	-	-	1,991,797	USDA-RD, SCDP, 2020 SPAP	-	2,233,129	Without PFA Grants	264.00	128.83	975.16	-	1,368.00
												With PFA Grants	264.00	128.83	604.74	30.00	1,027.57
Wabasso 1	21.1	Rehab collection	354	11,187,000	2,910,000	-	-	3,892,000	USDA-RD	-	4,385,000	Without PFA Grants	303.20	29.21	909.63	-	1,242.04
												With PFA Grants	303.20	29.21	546.77	30.00	909.19

Estimated Funding Needs Report  
Table 4

**Minnesota Public Facilities Authority**  
**Estimated Average Annual Residential Wastewater System Costs, with and without PFA program grants**  
**FY 2024 Potential Wastewater WIF and PSIG Projects, alphabetical order**  
*- Does not include projects that haven't yet submitted system cost information detail*

For comparison: The Twin Cities metropolitan area weighted average annual retail charge per household (MCES 2022 survey): **\$ 377.00**  
 (\$377.00 x 3 = \$1,131.00)

Municipality	MPCA 2024 PPL Rank	Project Description	House- holds (Equivalent Res Units - ERUs)	Estimated Project Cost	ESTIMATED Project Funding						ESTIMATED Average Annual Residential Cost per HH					Total Annual Cost per HH	
					PFA Program Grants			Other Grants		Loan		With or Without PFA Grants	Fixed Costs (non-project costs)		Project Costs		
					Estimated WIF or CWRP PF Grant - Affordblty	Estimated PSIG Grant to Improve WQ	Estimated CWRP PF Grant - Green Proj Resrv	Estimated Other Grants (or local funds)	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 Replacem ent Fund
Walker	254	Rehab collection	874	853,463	659,482	-	-	-		193,981	-	Without PFA Grants	197.12	255.68	39.90	-	492.70
												With PFA Grants	197.12	255.68	9.07	30.00	491.87
Winger	160	Rehab collection and treatment	133	4,805,000	2,200,000	-	-	1,810,000	USDA-RD	-	795,000	Without PFA Grants	350.62	-	878.28		1,228.91
												With PFA Grants	350.62	-	233.13	30.00	613.76
Wood Lake	4	Rehab treatment, collection ph 2	207	4,735,745	320,784	659,216	-	3,555,745	USDA-RD	-	200,000	Without PFA Grants	364.73	206.38	251.62		822.74
												With PFA Grants	364.73	206.38	42.65	30.00	643.76
Zumbro Township	15	Unsewered - Ryans Bay, LSTS with nitrogen trmt	88	9,395,622	1,760,000	7,000,000	-	-		635,622	-	Without PFA Grants	977.27	-	4,289.80		5,267.07
												With PFA Grants	977.27	-	290.21	30.00	1,297.48