

Minnesota Public Facilities Authority

Estimated Average Annual Residential Wastewater System Costs, with and without PFA program grants

FY 2023 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 2023 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	
Albert Lea	14	Adv trmt – phos, rehab treatment	16,165	63,567,500	-	7,000,000	-	-	-	56,567,500	-	Without PFA Grants	266.18	8.27	174.09	-	448.55
												With PFA Grants	266.18	8.27	154.92	-	429.38
Annandale 1	219	Rehab collection, Hwy 24	1,656	1,266,811	1,013,449	-	-	-	-	253,362	-	Without PFA Grants	641.84	110.23	35.34	30.00	817.41
												With PFA Grants	641.84	110.23	7.07	30.00	789.13
Appleton	176	Rehab collection, Schlieman Ave	1,290	3,690,299	2,952,239	-	-	-	-	738,060	-	Without PFA Grants	537.02	9.35	129.67	-	676.04
												With PFA Grants	537.02	9.35	25.93	30.00	602.31
Austin	4	Adv trmt - phos, rehab/expand trmt	11,146	112,921,453	-	7,000,000	1,000,000	62,704,820	Hormel,SP AP2020	42,216,633	-	Without PFA Grants	476.00	-	273.89	-	749.89
												With PFA Grants	476.00	-	230.25	-	706.26
Borup	102	Rehab collection and treatment	44	2,230,000	760,000	-	-	984,000	USDA-RD, COE, SCDP	-	256,000	Without PFA Grants	325.00	-	1,225.11	-	1,550.11
												With PFA Grants	325.00	-	251.71	30.00	606.71
Braham	82	Rehab treatment and collection	960	8,540,400	3,858,000	398,559	-	-	-	4,283,841	-	Without PFA Grants	364.26	56.25	403.25	-	823.76
												With PFA Grants	364.26	56.25	202.27	30.00	652.78
Cologne	70	Adv trmt - phos, expand trmt	888	15,053,100	-	4,973,544	-	-	-	10,079,556	-	Without PFA Grants	528.68	-	1,047.75	-	1,576.43
												With PFA Grants	528.68	-	701.57	-	1,230.26
Cosmos	7	Rehab collection, Phase 2	307	3,912,000	1,892,800	-	-	1,019,000	USDA-RD	-	1,000,200	Without PFA Grants	237.26	-	359.76	30.00	627.03
												With PFA Grants	237.26	-	124.38	30.00	391.64
Dawson 2	41.1	Ph 2, Rehab collection, replace lift stations	1,280	8,037,129	4,729,225	-	-	-	-	3,307,904	-	Without PFA Grants	248.30	253.48	493.17	30.00	1,024.95
												With PFA Grants	248.30	253.48	202.98	30.00	734.75

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Eagle Bend	103	Rehab collection, Ph 5	306	794,900	635,920	-	-	-	-	158,980	-	Without PFA Grants	248.42	457.80	117.75	30.00	853.97
												With PFA Grants	248.42	457.80	23.55	30.00	759.77
Fairmont	62	Rehab trmt, biosolids improvements	9,185	32,183,915	-	3,656,383	-	-	-	28,527,532	-	Without PFA Grants	185.75	25.16	216.57	-	427.48
												With PFA Grants	185.75	25.16	191.97	-	402.87
Foley	67	Regionalize, connect to St. Cloud	1,978	27,790,428	-	7,000,000	-	8,000,000	2020 SPAP	12,790,428	-	Without PFA Grants	237.09	37.31	483.59	-	757.99
												With PFA Grants	237.09	37.31	312.54	-	586.94
Fosston	171	Rehab treatment, add pond	711	12,424,465	5,000,000	-	-	-	-	7,424,465	-	Without PFA Grants	406.47	386.36	792.09	30.00	1,614.92
												With PFA Grants	406.47	386.36	473.33	30.00	1,296.16
Ghent	45	Rehab collection and treatment, expand pond	196	8,776,060	3,420,000	-	-	-	-	5,356,060	-	Without PFA Grants	325.00	-	2,029.60	-	2,354.60
												With PFA Grants	325.00	-	1,238.67	30.00	1,593.67
Hanley Falls 1	10.1	Rehab collection ph 1, trmt & LS imp	103	1,955,000	1,128,000	-	-	608,000	USDA-RD	-	219,000	Without PFA Grants	367.96	237.72	565.77	-	1,171.45
												With PFA Grants	367.96	237.72	91.99	30.00	727.66
Henning	87	Rehab collection Ph 2, Imnan St	419	1,240,000	992,000	-	-	-	-	248,000	-	Without PFA Grants	333.24	277.22	134.15	30.00	774.61
												With PFA Grants	333.24	277.22	26.83	30.00	667.30
Kandiyohi	23	Rehab collection, connect unsewered area	255	1,825,000	1,067,625	-	-	575,050	USDA-RD	-	182,325	Without PFA Grants	420.00	369.83	212.06	30.00	1,031.89
												With PFA Grants	420.00	369.83	30.93	30.00	850.76
Kandiyohi Co - Glacial Lakes SSWD	36.1	Rehab treatment, ph 2, adv trmt	3,192	13,200,000	4,960,000	7,000,000	-	-	-	1,240,000	-	Without PFA Grants	389.15	518.34	187.45	-	1,094.94
												With PFA Grants	389.15	518.34	17.61	30.00	955.11

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Lanesboro	93	Rehab collection, Kirkwood/Beacon/Coffee/Rochelle	545	2,308,640	1,846,912	-	-	-	-	461,728	-	Without PFA Grants	442.28	366.21	177.16	30.00	1,015.66
												With PFA Grants	442.28	366.21	35.43	30.00	873.93
Madison	151	Rehab collection, TH75 & TH40	922	2,843,600	1,928,720	-	-	-	-	914,880	-	Without PFA Grants	339.93	288.06	139.80	30.00	797.79
												With PFA Grants	339.93	288.06	44.98	30.00	702.97
Mankato	203	Rehab trmt, digester and disinfection improvements	25,736	65,000,000	-	7,000,000	-	-	-	58,000,000	-	Without PFA Grants	214.81	24.31	156.10	-	395.23
												With PFA Grants	214.81	24.31	139.29	-	378.41
Mazeppa	215	Rehab collection and treatment	387	17,332,000	5,000,000	-	-	6,339,000	USDA-RD, city	-	5,993,000	Without PFA Grants	443.15	-	1,228.90	-	1,672.05
												With PFA Grants	443.15	-	669.95	30.00	1,143.10
New London	24	Rehab collection, 4th Ave, Birch St	806	690,827	552,661	-	-	-	-	138,165	-	Without PFA Grants	627.42	97.16	38.85	-	763.43
												With PFA Grants	627.42	97.16	7.77	30.00	762.35
Ogilvie	34	Adv trmt - phos/mercury, rehab treatment	195	8,561,000	154,919	4,390,081	-	3,760,000	USDA-RD, COE, SCDP	-	256,000	Without PFA Grants	521.74	39.36	1,065.14	-	1,626.24
												With PFA Grants	521.74	39.36	56.80	30.00	647.89
Otsego - West WWTP	111	Adv trmt - phos, expand treatment	5,626	40,183,790	-	7,000,000	-	-	-	33,183,790	-	Without PFA Grants	311.36	257.19	441.46	-	1,010.01
												With PFA Grants	311.36	257.19	364.56	-	933.11
Owatonna	5	Adv trmt - phos, expand treatment	20,960	68,858,198	-	7,000,000	1,000,000	-	-	60,858,198	-	Without PFA Grants	132.75	11.27	202.86	-	346.88
												With PFA Grants	132.75	11.27	179.29	-	323.31
Randall	133	Rehab collection	326	5,415,000	1,974,026	-	-	-	-	3,440,974	-	Without PFA Grants	257.67	-	752.92	-	1,010.59
												With PFA Grants	257.67	-	478.44	30.00	766.11

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Redwood Falls	127	Adv trmt - phos, rehab WWTP	4,144	9,960,000	-	7,000,000	-	-	-	2,960,000	-	Without PFA Grants	241.92	12.75	108.94	-	363.61
												With PFA Grants	241.92	12.75	32.38	-	287.04
Russell	73	Rehab collection and treatment	190	4,100,000	1,435,850	-	-	1,409,000	USDA-RD	-	1,255,150	Without PFA Grants	360.00	-	612.73	-	972.73
												With PFA Grants	360.00	-	285.79	30.00	675.79
Saint Michael	20	Adv trmt - phos, replace reed beds	8,100	38,850,000	-	7,000,000	-	-	-	31,850,000	-	Without PFA Grants	308.64	21.11	296.45	-	626.20
												With PFA Grants	308.64	21.11	243.03	-	572.79
Shorewood Park San Dist	46	Extend collection system, adv trmt - phos, add pond	124	2,305,000	1,326,691	-	-	-	-	978,309	-	Without PFA Grants	887.10	-	842.59	-	1,729.69
												With PFA Grants	887.10	-	357.62	30.00	1,274.72
Silver Lake	9	Rehab collection and ponds, adv trmt-phos	440	8,951,661	3,114,000	-	-	2,278,000	USDA-RD	-	3,559,661	Without PFA Grants	233.68	69.12	656.18	-	958.98
												With PFA Grants	233.68	69.12	350.00	30.00	682.80
Trosky	27	Unsewered, collection and treatment	54	4,424,965	-	3,539,972	-	793,993	USDA-RD, SCDP	-	91,000	Without PFA Grants	462.96	-	2,908.97	-	3,371.93
												With PFA Grants	462.96	-	72.91	-	535.87
Two Harbors	175	Rehab/expand treatment	2,921	33,488,485	1,714,607	5,779,959	-	11,500,000	2020 SPAP	14,493,919	-	Without PFA Grants	501.12	38.29	434.15	30.00	1,003.57
												With PFA Grants	501.12	38.29	286.17	30.00	855.59
Tyler	16	Rehab collection	759	7,292,000	827,832	-	-	-	-	6,464,168	-	Without PFA Grants	177.87	46.04	435.48	-	659.39
												With PFA Grants	177.87	46.04	386.05	30.00	639.95
Utica	138	Rehab collection and treatment	119	5,855,000	2,380,000	-	-	-	-	3,475,000	-	Without PFA Grants	264.00	-	2,230.22	-	2,494.22
												With PFA Grants	264.00	-	1,323.66	30.00	1,617.66

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Vernon Center	91	Rehab collection and treatment	163	5,592,797	2,984,668	-	-	1,991,797	USDA-RD	-	616,332	Without PFA Grants	264.00	128.83	955.75	-	1,348.59
												With PFA Grants	264.00	128.83	163.58	30.00	586.42
Wabasso	17.1	Rehab collection	323	8,337,000	2,000,000	-	-	3,401,000	USDA-RD	-	2,936,000	Without PFA Grants	264.00	-	661.12	-	925.12
												With PFA Grants	264.00	-	393.25	30.00	687.25
Watertown	63	Adv trmt - phos, rehab existing system	1,799	23,723,450	-	7,000,000	-	-	-	16,723,450	-	Without PFA Grants	304.06	4.62	815.06	-	1,123.74
												With PFA Grants	304.06	4.62	574.56	-	883.24
Winger	141	Rehab collection and treatment	133	2,651,000	800,000	-	-	1,056,000	USDA-RD	-	795,000	Without PFA Grants	252.88	-	457.84	-	710.72
												With PFA Grants	252.88	-	228.20	30.00	511.08
WLSSD - Combined Heat and Power	106.2	Cogeneration imp, engine gen, Ph 2	57,545	16,103,241	-	-	1,000,000	6,750,000	2020 SPAP	8,353,241	-	Without PFA Grants	446.12	108.98	7.71	-	562.82
												With PFA Grants	446.12	108.98	6.89	-	561.99
Wood Lake	3	Rehab treatment, collection ph 2	207	4,735,745	260,167	719,833	-	3,555,745	USDA-RD	-	200,000	Without PFA Grants	364.73	206.38	246.62	30.00	847.73
												With PFA Grants	364.73	206.38	41.80	30.00	642.92
Zumbro Township	13	Unsewered - Ryans Bay, potential SSTS	88	8,214,145	839,502	6,571,316	-	-	-	803,327	-	Without PFA Grants	731.82	-	4,231.04	-	4,962.86
												With PFA Grants	731.82	-	413.79	30.00	1,175.61