

Grand Rapids Public Utilities Commission

Capital Plan

2024 thru 2028

FUNDING SOURCE SUMMARY

Source	2024	2025	2026	2027	2028	Total
Customer Contributions-Cohasset	3,209	6,071	4,011	4,011	13,370	30,672
Customer Contributions-LaPrairie	1,899	678	2,373	2,373	7,910	15,233
Customer Contributions-UPM	2,545,630	399,180	230,060	180,060	1,685,600	5,040,530
Debt	2,260,000	7,617,000	2,415,000	1,100,000	1,115,000	14,507,000
Grants	2,864,785					2,864,785
Reserves-Unrestricted	122,251	68,215	62,556	47,556		300,578
Rplcmt Fund-Elec share/business	691,082	31,720	13,000	13,000		748,802
Rplcmt Fund-Electric Infrastructure	1,647,595	1,300,774	885,467	894,212	410,000	5,138,048
Rplcmt Fund-Water Infrastructure	1,425,500	434,000	390,000	1,630,000	552,500	4,432,000
Rplcmt Fund-Water share/business	238,063	11,040	4,000	34,000		287,103
Rplcmt Fund-WWC Infrastructure	641,831	206,176	266,435	85,000	961,120	2,160,562
Rplcmt Fund-WWC share/business	114,150	7,920	3,000	33,000		158,070
GRAND TOTAL	12,555,995	10,082,774	4,275,902	4,023,212	4,745,500	35,683,383

Grand Rapids Public Utilities Commission

Capital Plan

2024 thru 2028

PROJECTS BY FUNDING SOURCE

Source	Project #	Priority	2024	2025	2026	2027	2028	Total
Customer Contributions-Cohasset								
Secondary Air Header Piping	WWSP1701	2					13,370	13,370
Rebuild Blower Number 3	WWSP1702	2	1,834					1,834
B1 Pond Dredging	WWSP1802	2		1,146				1,146
Secondary Aeration Basin Mixer Repairs	WWSP1804	2	1,375	4,925	4,011	4,011		14,322
Customer Contributions-Cohasset Total			3,209	6,071	4,011	4,011	13,370	30,672
Customer Contributions-LaPrairie								
Secondary Air Header Piping	WWSP1701	2					7,910	7,910
Rebuild Blower Number 3	WWSP1702	2	1,085					1,085
B1 Pond Dredging	WWSP1802	2		678				678
Secondary Aeration Basin Mixer Repairs	WWSP1804	2	814		2,373	2,373		5,560
Customer Contributions-LaPrairie Total			1,899	678	2,373	2,373	7,910	15,233
Customer Contributions-UPM								
Personal Computer Replacements	CITE2402	3	1,320					1,320
Server Upgrades	CITE2404	3	16,250					16,250
Software Upgrades	CITE2408	2	2,500					2,500
Miscellaneous Computer Hardware	CITE2409	4	500					500
Personal Computer Replacements	CITE2502	3		1,320				1,320
Network Switch Upgrades	CITE2506	3		3,000				3,000
Computer Backup Hardware	CITE2507	1		2,000				2,000
Software Upgrades	CITE2508	2		2,500				2,500
Miscellaneous Computer Hardware	CITE2509	4		500				500
Sludge Screw Conveyor - Screw Replacement	WWPP2103	2	50,000					50,000
Primary Plant Sludge Pumps	WWPP2303	2	28,000	28,000	28,000	28,000		112,000
WAS Blower	WWPP2401	2	16,000					16,000
Sludge Conveyor Hanger Bearings	WWPP2402	2	20,000					20,000
Sludge Blend Tank Improvements	WWPP2403	2	80,000					80,000
Replace Fiber ASV to CSC	WWSC2301	2		37,800				37,800
Shop Fume Hood	WWSC2402	2	5,500					5,500
Landfill Cover Work Phase 1-4, Kettle D	WWSD2301	2	2,085,000					2,085,000
Landfill Phase Pumps	WWSD2302	2	16,560	16,560	16,560	16,560		66,240
Landfill Haul Road Repairs	WWSD2401	2	50,000	50,000	50,000			150,000
VFD Upgrades for Lift Pumps	WWSH2301	2	13,000	13,000	13,000	13,000		52,000
Replace Fiber Segment 1	WWSH2302	2		15,000				15,000
Drive Gear Boxes for Parkson Screens	WWSH2401	2	18,000					18,000
Bark Dumper Overhaul	WWSH2402	2	10,000					10,000
Screen House Doors	WWSH2403	2	35,000					35,000
Secondary Air Header Piping	WWSP1701	2					700,000	700,000
Rebuild Blower Number 3	WWSP1702	2	56,000					56,000
B1 Pond Dredging	WWSP1802	2		135,000				135,000
Secondary Aeration Basin Mixer Repairs	WWSP1804	2	42,000	94,500	122,500	122,500		381,500

Source	Project #	Priority	2024	2025	2026	2027	2028	Total
Blower Building and Med Voltage Gear	WWSP2202	2					985,600	985,600
Customer Contributions-UPM Total			2,545,630	399,180	230,060	180,060	1,685,600	5,040,530
Debt								
Water Plant Renovation	WATR2213	2	1,000,000	3,500,000				4,500,000
City Project - City Wide Overlays- Sylvan	WATR2306	2		1,750,000				1,750,000
WWC Category 1- Piping Replacement	WATR2312	2	350,000	350,000	400,000	400,000	400,000	1,900,000
S-E-H Projects from Study	WATR2403	2	400,000	350,000	250,000	300,000	250,000	1,550,000
WWC Category 1- Piping Repairs	WWCO2308	2	350,000	350,000	400,000	400,000	400,000	1,900,000
City Project - City Wide Overlays- Sylvan	WWCO2310	2		1,317,000				1,317,000
SE 11th St Sanitary Sewer Replacement	WWCO2402	2			1,300,000			1,300,000
Lift Station 5 Forcemain Replacement	WWCO2602	2			65,000			65,000
Lift Station 4 Forcemain Replacement	WWCO2703	2					65,000	65,000
Lift Station 2 Forcemain Replacement	WWCO2704	2	160,000					160,000
Debt Total			2,260,000	7,617,000	2,415,000	1,100,000	1,115,000	14,507,000
Grants								
Service Center Backup Generator	CSCW2207	1	349,785					349,785
WTP Communication with Wells	WATR2211	3	15,000					15,000
Water Plant Renovation	WATR2213	2	2,500,000					2,500,000
Grants Total			2,864,785					2,864,785
Reserves-Unrestricted								
Trash Compactor	WWDO2302	2	90,000					90,000
VFD Upgrades On Lift Pumps	WWDO2401	2	15,000	15,000	15,000			45,000
Replace Fiber ASV to CSC	WWSC2301	2		16,200				16,200
Landfill Phase Pumps	WWSD2302	2	1,440	1,440	1,440	1,440		5,760
Secondary Aeration Basin Mixer Repairs	WWSP1804	2	15,811	35,575	46,116	46,116		143,618
Reserves-Unrestricted Total			122,251	68,215	62,556	47,556		300,578
Rplcmt Fund-Elec share/business								
Personal Computer Replacements	CITE2402	3	1,680					1,680
Mobile Computers	CITE2403	4	2,000					2,000
Server Upgrades	CITE2404	3	30,550					30,550
Software Upgrades	CITE2408	2	4,700					4,700
Miscellaneous Computer Hardware	CITE2409	4	940					940
Personal Computer Replacements	CITE2502	3		1,680				1,680
Mobile Computers	CITE2503	4		2,000				2,000
Network Switch Upgrades	CITE2506	3		5,640				5,640
Computer Backup Hardware	CITE2507	1		3,760				3,760
Software Upgrades	CITE2508	2		4,700				4,700
Miscellaneous Computer Hardware	CITE2509	4		940				940
South Gate Replacement	CSCW2022	2	26,000					26,000
Building Telephone & Security Upgrade	CSCW2102	2	40,450					40,450
North Roof Replacement	CSCW2201	2	52,000					52,000
Service Center Backup Generator	CSCW2207	1	25,262					25,262
South Roof Replacement	CSCW2301	2	292,500					292,500
Building Improvement	CSCW2400	2	13,000					13,000
Misc CSC CIP	CSCW2500	n/a		13,000				13,000

Source	Project #	Priority	2024	2025	2026	2027	2028	Total
Misc CSC CIP	CSCW2600	n/a			13,000			13,000
Misc CSC CIP	CSCW2700	n/a				13,000		13,000
Building Storage	ELEC2416	2	100,000					100,000
Woodchipper	ELEC2417	2	30,000					30,000
Dually Snow Plow	ELEC2418	1	12,000					12,000
South Sub	ELEC2421	2	60,000					60,000
Rplcmt Fund-Elec share/business Total			691,082	31,720	13,000	13,000		748,802

Rplcmt Fund-Electric Infrastructure

Ceiling Tile Replacement	CSCW2401	3	22,750					22,750
Replace Truck 60 Bucket Truck	ELEC2213	1	238,000					238,000
Replace Main Substation Building Roof	ELEC2219	2	25,000					25,000
4/0 Cable Replacement to Ace Hardware	ELEC2222	1	20,500					20,500
Maple Street Conversion	ELEC2316	1	100,000					100,000
SW 1st Ave Conversion	ELEC2317	1	100,000					100,000
Distribution System Services	ELEC2401	1	40,000					40,000
Distribution System Security Lighting	ELEC2403	1	14,296					14,296
Overhead power line replacements and repairs	ELEC2404	1	61,800					61,800
Underground power line replacements and repairs	ELEC2405	1	30,000					30,000
Distribution System Transformers	ELEC2406	1	150,000					150,000
Purchase of electric AMI meters	ELEC2407	1	25,750					25,750
Replace Truck 84	ELEC2410	1	45,000					45,000
Inspect and replace power poles	ELEC2411	1	71,500					71,500
Replace Truck 63 Bucket Truck	ELEC2413	2	200,000					200,000
Electric System Reliability Upgrades	ELEC2414	2	100,000					100,000
Crystal Springs Conversion	ELEC2415	1		409,000				409,000
7-17th Primary Underground	ELEC2419	2	300,999					300,999
EV with charger	ELEC2422	2	62,000					62,000
La Prairie Sub Battery	ELEC2423	1	40,000					40,000
Distribution System Services	ELEC2501	1		40,000				40,000
Distribution System Security Lighting	ELEC2503	1		14,725				14,725
Overhead power line replacements and repairs	ELEC2504	1		63,654				63,654
Underground power line replacements and repairs	ELEC2505	1		31,827				31,827
Distribution System Transformers	ELEC2506	1		150,000				150,000
Purchase of electric AMI meters	ELEC2507	1		26,523				26,523
Convert SW Grand Rapids to Underground	ELEC2510	1		200,000				200,000
Inspect and replace power poles	ELEC2511	1		53,045				53,045
Convert 7200 volt systems to 23 Kv	ELEC2512	1		100,000				100,000
Overhead to Underground Conversions	ELEC2513	1		200,000				200,000
Spool Trailer	ELEC2514	2		12,000				12,000
Distribution System Services	ELEC2601	1			40,000			40,000
Distribution System Security Lighting	ELEC2603	1			15,167			15,167
Overhead power line replacements and repairs	ELEC2604	1			65,564			65,564
Underground power line replacements and repairs	ELEC2605	1			32,781			32,781
Distribution System Transformers	ELEC2606	1			150,000			150,000
Purchase of electric AMI meters	ELEC2607	1			27,318			27,318
Convert SW Grand Rapids to Underground	ELEC2610	1			200,000			200,000
Inspect and replace power poles	ELEC2611	1			54,637			54,637
Convert 7200 volt systems to 23 Kv	ELEC2612	1			100,000			100,000
Overhead to Underground Conversions	ELEC2613	1			200,000			200,000
Distribution System Services	ELEC2701	1				40,000		40,000
Distribution System Dual Fuel Services	ELEC2702	1				2,881		2,881
Distribution System Security Lighting	ELEC2703	1				15,622		15,622
Overhead power line replacements and repairs	ELEC2704	1				67,531		67,531

Source	Project #	Priority	2024	2025	2026	2027	2028	Total
Underground power line replacements and repairs	ELEC2705	1				33,765		33,765
Distribution System Transformers	ELEC2706	1				150,000		150,000
Purchase of electric AMI meters	ELEC2707	1				28,138		28,138
Inspect and replace power poles	ELEC2711	1				56,275		56,275
Convert 7200 volt systems to 23 Kv	ELEC2712	1				100,000		100,000
Overhead to Underground Conversions	ELEC2713	1				400,000		400,000
Extend Feeder 320 from 7th Street to 17th Street	ELEC2810	3					410,000	410,000
Rplcmt Fund-Electric Infrastructure Total			1,647,595	1,300,774	885,467	894,212	410,000	5,138,048

Rplcmt Fund-Water Infrastructure

Ceiling Tile Replacement	CSCW2401	3	7,000					7,000
City Project - 3rd Ave NE (5th-8th) & 7th S. NE	WATR2002	3	790,000					790,000
High Service Pump Control Improvement	WATR2005	2	60,000	60,000				120,000
City Project - Ha-Car Neighborhood SE, Phase 1	WATR2101	3					362,500	362,500
Hydrant Meters	WATR2203	3	9,000	9,000				18,000
WTP Flow Meters	WATR2204	2	6,000					6,000
WTP Sewage Ejector System	WATR2206	3	5,000					5,000
Fire Hydrant Repairs	WATR2209	2	35,000	20,000	20,000	20,000	20,000	115,000
Booster Station Panel View	WATR2302	2	30,000					30,000
WTP Valve Updates	WATR2304	2	20,000	20,000	20,000	20,000	20,000	100,000
Curb Stop Replacements	WATR2305	2	150,000	150,000	150,000	150,000	150,000	750,000
WTP Backwash Valve	WATR2307	2	10,000					10,000
Radio Communication Upgrades	WATR2308	2	30,000					30,000
Replace Fiber (SH to City Hall)	WATR2309	2	8,500					8,500
South Tower Coating Repairs	WATR2310	1	150,000	80,000				230,000
NEW WELL	WATR2401	3				590,000		590,000
Well 4 Rehabilitation	WATR2402	1	55,000					55,000
AMI Water Nodes	WATR2404	2	20,000	20,000	20,000	20,000		80,000
Water Meters	WATR2405	2	25,000	25,000	30,000	30,000		110,000
WTP RPZ Replacement	WATR2406	2	15,000					15,000
North Tower Coating Repairs	WATR2501	1			150,000			150,000
Well 3 Rehabilitation	WATR2502	1		50,000				50,000
Tower Painting	WATR2703	2				800,000		800,000
Rplcmt Fund-Water Infrastructure Total			1,425,500	434,000	390,000	1,630,000	552,500	4,432,000

Rplcmt Fund-Water share/business

Personal Computer Replacements	CITE2402	3	600					600
Mobile Computers	CITE2403	4	1,000					1,000
Server Upgrades	CITE2404	3	11,050					11,050
Software Upgrades	CITE2408	2	1,700					1,700
Miscellaneous Computer Hardware	CITE2409	4	340					340
Personal Computer Replacements	CITE2502	3		600				600
Mobile Computers	CITE2503	4		1,000				1,000
Network Switch Upgrades	CITE2506	3		2,040				2,040
Computer Backup Hardware	CITE2507	1		1,360				1,360
Software Upgrades	CITE2508	2		1,700				1,700
Miscellaneous Computer Hardware	CITE2509	4		340				340
South Gate Replacement	CSCW2022	2	8,000					8,000
Building Telephone & Security Upgrade	CSCW2102	2	12,600					12,600
North Roof Replacement	CSCW2201	2	16,000					16,000
Service Center Backup Generator	CSCW2207	1	7,773					7,773
South Roof Replacement	CSCW2301	2	90,000					90,000

Source	Project #	Priority	2024	2025	2026	2027	2028	Total
Building Improvement	CSCW2400	2	4,000					4,000
Misc CSC CIP	CSCW2500	n/a		4,000				4,000
Misc CSC CIP	CSCW2600	n/a			4,000			4,000
Misc CSC CIP	CSCW2700	n/a				4,000		4,000
City Project - Paradise Park	WATR2313	2	85,000					85,000
Replace Truck 61	WWCO2701	3				30,000		30,000
Rplcmt Fund-Water share/business Total			238,063	11,040	4,000	34,000		287,103

Rplcmt Fund-WWC Infrastructure

Ceiling Tile Replacement	CSCW2401	3	5,250					5,250
WTP Aerator Media	WATR2208	3	15,000					15,000
Replace Fiber (SH to City Hall)	WATR2309	2	8,500					8,500
Mains and Services	WWCO1804	4	20,000	20,000	20,000	20,000	20,000	100,000
Manhole Replacements	WWCO1805	2	75,000	75,000	25,000	25,000	25,000	225,000
City Project - 5th Ave NE (Hwy2 to 5th St. NE)	WWCO2001	2			66,435			66,435
City Project - 3rd Av.NE (4-8th) 7th st (3rd -5th)	WWCO2002	2	270,000					270,000
City Project - 11th Ave NE (5-7th St NE)	WWCO2003	2			115,000			115,000
Lift Station Pumps	WWCO2005	1	35,000	38,000	40,000	40,000	40,000	193,000
City Project - Ha-Car SE Neighborhood, Phase 1	WWCO2021	2					300,000	300,000
City Wide Overlays-Rural	WWCO2202	2		60,000				60,000
Lift Station 2 - Generator and switch	WWCO2207	3	12,000					12,000
Lift Station 3 - Generator and switch	WWCO2208	3	12,000					12,000
Lift Station 6 I/I Repairs	WWCO2307	1	10,000					10,000
Cohasset Flow Meter	WWCO2309	2	30,000					30,000
Lift Station 3 Controls Update	WWCO2403	1	25,000					25,000
Lift Station 13 Controls Update	WWCO2404	1	25,000					25,000
Lift 1 Pump Lifting Structure	WWCO2405	2	25,000					25,000
Delta V Secondary for #1 Lift Station	WWCO2406	2	18,000					18,000
Ainsworth Lift Station Alarm Agents	WWCO2407	1	20,000					20,000
Domestic Screen Building Doors	WWDO2402	2	15,000					15,000
Secondary Air Header Piping	WWSP1701	2					153,720	153,720
Rebuild Blower Number 3	WWSP1702	2	21,081					21,081
B1 Pond Dredging	WWSP1802	2		13,176				13,176
Blower Building and Med Voltage Gear	WWSP2202	2					422,400	422,400
Rplcmt Fund-WWC Infrastructure Total			641,831	206,176	266,435	85,000	961,120	2,160,562

Rplcmt Fund-WWC share/business

Personal Computer Replacements	CITE2402	3	400					400
Mobile Computers	CITE2403	4	1,000					1,000
Server Upgrades	CITE2404	3	7,150					7,150
Software Upgrades	CITE2408	2	1,100					1,100
Miscellaneous Computer Hardware	CITE2409	4	220					220
Personal Computer Replacements	CITE2502	3		400				400
Mobile Computers	CITE2503	4		1,000				1,000
Network Switch Upgrades	CITE2506	3		1,320				1,320
Computer Backup Hardware	CITE2507	1		880				880
Software Upgrades	CITE2508	2		1,100				1,100
Miscellaneous Computer Hardware	CITE2509	4		220				220
South Gate Replacement	CSCW2022	2	6,000					6,000
Building Telephone & Security Upgrade	CSCW2102	2	9,950					9,950
North Roof Replacement	CSCW2201	2	12,000					12,000
Service Center Backup Generator	CSCW2207	1	5,830					5,830

Source	Project #	Priority	2024	2025	2026	2027	2028	Total
South Roof Replacement	CSCW2301	2	67,500					67,500
Building Improvement	CSCW2400	2	3,000					3,000
Misc CSC CIP	CSCW2500	n/a		3,000				3,000
Misc CSC CIP	CSCW2600	n/a			3,000			3,000
Misc CSC CIP	CSCW2700	n/a				3,000		3,000
Replace Truck 61	WWCO2701	3				30,000		30,000
Rplcmt Fund-WWC share/business Total			114,150	7,920	3,000	33,000		158,070
GRAND TOTAL			12,555,995	10,082,774	4,275,902	4,023,212	4,745,500	35,683,383