

Grand Rapids Public Utilities Commission

Capital Plan

2023 thru 2027

PROJECTS BY DEPARTMENT

Department	Project #	Priority	2023	2024	2025	2026	2027	Total
1-Electric								
Distribution System Services	ELEC2701	1					40,000	40,000
Electric System Reliability Upgrades	ELEC2414	2		100,000				100,000
Distribution System Transformers	ELEC2506	1			150,000			150,000
Crystal Springs Conversion	ELEC2315	1	146,000					146,000
Distribution System Transformers	ELEC2606	1				150,000		150,000
Distribution System Transformers	ELEC2706	1					150,000	150,000
Purchase of electric AML meters	ELEC2507	1			26,523			26,523
SW 1st Ave Conversion	ELEC2317	1	30,000					30,000
Purchase of electric AML meters	ELEC2607	1				27,318		27,318
Distribution System Duel Fuel Services	ELEC2702	1					2,881	2,881
Purchase of electric AML meters	ELEC2707	1					28,138	28,138
Backyard Machine	ELEC2318	2	90,000					90,000
Crystal Springs Conversion	ELEC2415	1		110,000				110,000
Convert SW Grand Rapids to Underground	ELEC2510	1			200,000			200,000
Distribution System Services	ELEC2601	1				40,000		40,000
Inspect and replace power poles	ELEC2311	1	50,000					50,000
Distribution System Duel Fuel Services	ELEC2502	1			2,716			2,716
Distribution System Duel Fuel Services	ELEC2602	1				2,797		2,797
Overhead to Underground Conversions	ELEC2713	1					400,000	400,000
Overhead to Underground Conversions	ELEC2613	1				200,000		200,000
Overhead to Underground Conversions	ELEC2513	1			200,000			200,000
Convert 7200 volt systems to 23 Kv	ELEC2712	1					100,000	100,000
Convert 7200 volt systems to 23 Kv	ELEC2612	1				100,000		100,000
Convert 7200 volt systems to 23 Kv	ELEC2512	1			100,000			100,000
Inspect and replace power poles	ELEC2711	1					56,275	56,275
Inspect and replace power poles	ELEC2611	1				54,637		54,637
Inspect and replace power poles	ELEC2511	1			53,045			53,045
Convert SW Grand Rapids to Underground	ELEC2610	1				200,000		200,000
Distribution System Services	ELEC2501	1			40,000			40,000
Distribution System Security Lighting	ELEC2303	1	13,880					13,880
Distribution System Security Lighting	ELEC2503	1			14,725			14,725
Distribution System Security Lighting	ELEC2603	1				15,167		15,167
Distribution System Security Lighting	ELEC2703	1					15,622	15,622
Overhead power line replacements and repairs	ELEC2504	1			63,654			63,654
Replace Truck 63	ELEC2413	2		200,000				200,000
Overhead power line replacements and repairs	ELEC2604	1				65,564		65,564
Overhead power line replacements and repairs	ELEC2704	1					67,531	67,531
Underground power line replacements and repairs	ELEC2505	1			31,827			31,827
Underground power line replacements and repairs	ELEC2605	1				32,781		32,781
Underground power line replacements and repairs	ELEC2705	1					33,765	33,765
Distribution System Services	ELEC2301	1	40,000					40,000
Distribution System Services	ELEC2401	1		40,000				40,000
Electric System Reliability Upgrades	ELEC2314	2	100,000					100,000
Distribution System Duel Fuel Services	ELEC2402	1		2,637				2,637
Inspect and replace power poles	ELEC2411	1		51,500				51,500
Distribution System Security Lighting	ELEC2403	1		14,296				14,296

Department	Project #	Priority	2023	2024	2025	2026	2027	Total
Overhead power line replacements and repairs	ELEC2304	1	60,000					60,000
Overhead power line replacements and repairs	ELEC2404	1		61,800				61,800
Underground power line replacements and repairs	ELEC2305	1	30,000					30,000
Distribution System Transformers	ELEC2306	1	150,000					150,000
Distribution System Transformers	ELEC2406	1		150,000				150,000
Purchase of electric AML meters	ELEC2307	1	25,000					25,000
Purchase of electric AML meters	ELEC2407	1		25,750				25,750
Underground power line replacements and repairs	ELEC2405	1		30,900				30,900
Replace Truck 84	ELEC2410	1		35,000				35,000
Convert 7200 volt systems to 23 kV	ELEC2312	1	100,000					100,000
Convert 7200 volt systems to 23 kV	ELEC2412	1		50,000				50,000
Maple Street Conversion	ELEC2316	1	29,000					29,000
Distribution System Dual Fuel Services	ELEC2302	1	2,560					2,560
1-Electric Total			866,440	871,883	882,490	888,264	894,212	4,403,289

2-Water								
High Service Pump Control Improvement	WATR2005	2	30,000					30,000
NW Street Reconstruction	WATR1903	2			157,080			157,080
Watermain minor additions & replacements	WATR1807	4	30,000	30,000	40,000	40,000	50,000	190,000
6th Street NE (2nd Ave.-5th Ave.)	WATR2201	2				119,239		119,239
5th Ave. NE (TH 2 to 5th St NE)	WATR2001	3				35,772		35,772
11th St. NE (2nd to 3rdAve.)	WATR1904	3		83,600				83,600
Ha-Car Neighborhood SE, Phase 1	WATR2101	3			362,500			362,500
Fire Hydrant Repairs	WATR2209	2	35,000	25,000	20,000	20,000	20,000	120,000
Well 2 Rehabilitation	WATR2004	1	55,000					55,000
NEW WELL	WATR2401	3		590,000				590,000
6th Ave NW (4th to 5th st)	WATR2301	2				81,000		81,000
Hydrant Meters	WATR2203	3	8,700					8,700
WTP Sewage Ejector System	WATR2206	3	20,000					20,000
WTP Turbidity Meters	WATR2207	3	30,000					30,000
WTP Aerator Media	WATR2208	3		11,000				11,000
3rd Ave NE (5th to 8th Str.) & 7th Str. NE (3-5)	WATR2002	3		235,375				235,375
Water Plant Renovation	WATR2213	2	4,943,400					4,943,400
11th St NE (2nd- 3rd ave)	WATR2003	3		83,600				83,600
Replace Fiber (SH to City Hall)	WATR2309	2	15,000					15,000
WTP Valve Updates	WATR2304	2	20,000	20,000	20,000	20,000	20,000	100,000
Curb Stop Replacements	WATR2305	2	100,000	150,000	150,000	150,000	150,000	700,000
Well 1 Rehabilitation	WATR2402	1		45,000				45,000
City Wdie Overlays- Sylvan	WATR2306	2	1,202,000	510,000				1,712,000
Ha-car Neighborhood, Phase 2	WATR2601	3				362,500		362,500
City Project	WATR2702	2					250,000	250,000
Booster Station Panel View	WATR2302	2	30,000					30,000
Radio Communication Upgrades	WATR2308	2	30,000					30,000
TOWER PAINTING	WATR2703	2					700,000	700,000
South Tower Coating Repairs	WATR2310	1	150,000					150,000
North Tower Coating Repairs	WATR2501	1			150,000			150,000
River Road Roundabout	WATR2311	1	144,245					144,245
Category 1 Repairs	WATR2312	2	350,000	350,000	350,000	400,000	400,000	1,850,000
S-E-H Projects from Study	WATR2403	n/a		400,000	350,000	250,000	300,000	1,300,000
Paradise Park	WATR2313	2	85,000					85,000
Backwash Valve	WATR2307	2	5,000					5,000
2-Water Total			7,283,345	2,533,575	1,599,580	1,478,511	1,890,000	14,785,011

3-Wastewater Collection								
Manhole Replacements	WWCO1805	2	20,000	75,000	100,000	25,000	25,000	245,000

Department	Project #	Priority	2023	2024	2025	2026	2027	Total
Spare Jetting Camera	WWCO2303	3	60,000					60,000
Lift Station 2 Forcemain Replacement	WWCO2311	2	150,000					150,000
S-E-H 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
Ha-Car SE Neighborhood, Phase 1	WWCO2021	2				250,000		250,000
City Wide Overlays-Rural	WWCO2202	2		60,000				60,000
City Project	WWCO2702	2					250,000	250,000
City Wide Overlays- Sylvan	WWCO2310	2	1,010,000	511,000				1,521,000
Lift Station 2 Forcemain Replacement	WWCO2704	2			140,000			140,000
Lift Station 9 Controls Update	WWCO2304	1	35,000					35,000
Lift Station 2 Pump	WWCO2305	1	25,000					25,000
Lift Station 2 Flow Meter	WWCO2309	2	8,000					8,000
5th Ave. NE (T.H. #2 to 5th Str. NE)	WWCO2001	2				66,435		66,435
River Road Roundabout	WWCO2312	1	369,848					369,848
Lift Station 6 I/I Repairs	WWCO2307	1	35,000					35,000
Replace Truck 61	WWCO2701	3					60,000	60,000
Lift Station Pumps	WWCO2005	1	35,000	35,000	38,000	40,000	40,000	188,000
Lift Station 6 Rehab	WWCO2306	1	30,000					30,000
Lift Station 9 Controls Update	WWCO2203	1			26,500			26,500
Lift Station 7 Controls Update	WWCO2301	1	27,300					27,300
NW Street Reconstruction	WWCO1904	2			114,600			114,600
Category 1 Repairs	WWCO2308	2	350,000	350,000	350,000	400,000	400,000	1,850,000
6th Ave NW (4th-5th)	WWCO2302	2	52,000					52,000
11th Ave NE (5th St NE - 7th St NE)	WWCO2003	2				115,000		115,000
3rd Ave.NE (4th - 8th) &7th st (3rd -5th)	WWCO2002	2		25,000				25,000
6th Street NE (2nd Ave. - 5th Ave)	WWCO2201	2		110,067				110,067
Lift Station 8 Controls Update	WWCO2601	1	35,000					35,000
Mains and Services	WWCO1804	4	15,000	15,000	15,000			45,000
3-Wastewater Collection Total			2,257,148	1,181,067	784,100	2,261,435	775,000	7,258,750
4a-WWT Domestic								
Trash Compactor	WWDO2302	2	50,000					50,000
VFD Upgrades On Lift Pumps	WWDO2401	2		30,000		15,000		45,000
Flow Meter for Domestic Flow	WWDO2301	2	7,000					7,000
4a-WWT Domestic Total			57,000	30,000		15,000		102,000
4b-WWT Screenhouse								
Replace Fiber SH to Pluemers	WWSH2302	2	12,000					12,000
Drive Gear Boxes for Parkson Screens	WWSH2401	2		16,000				16,000
Gear Box for Bark Dumper	WWSH2402	2		8,000				8,000
Industrial Screen House Upgrades	WWSH1801	4				1,600,000		1,600,000
VFD Upgrades for Lift Pumps	WWSH2301	2	12,000	12,000	12,000	12,000		48,000
4b-WWT Screenhouse Total			24,000	36,000	12,000	1,612,000		1,684,000
4c-WWT Primary Plant								
Forks for Front End Loader	WWPP2202	3	12,000					12,000
Demo of Old Primary Plant	WWPP2001	3	50,000					50,000
Sludge Screw Conveyor - Screw Replacement	WWPP2103	2	50,000	50,000				100,000
Screw Press VFD	WWPP2302	2	8,000					8,000
Primary Plant Sludge Pumps	WWPP2303	2	28,000	28,000	28,000	28,000	28,000	140,000
Primary Sludge Pump VFD's	WWPP2301	2	24,000					24,000
4c-WWT Primary Plant Total			172,000	78,000	28,000	28,000	28,000	334,000

Department	Project #	Priority	2023	2024	2025	2026	2027	Total
4d-WWT Sludge Disposal								
Landfill Phase Pumps	WWSD2302	2	18,000	18,000	18,000	18,000	18,000	90,000
Landfill Cover Work Phase 1-4, Kettle D	WWSD2301	2	250,000					250,000
4d-WWT Sludge Disposal Total			268,000	18,000	18,000	18,000	18,000	340,000
4e-WWT Service Center								
Replace Fiber ASV to CSC	WWSC2301	2	54,000					54,000
Replace Truck 78	WWSC2401	2		65,000				65,000
4e-WWT Service Center Total			54,000	65,000				119,000
4f-WWT Secondary Treatment								
Secondary Aeration Basin Mixer Repairs	WWSP1804	2	175,000	135,000	135,000	175,000	175,000	795,000
B1 Pond Dredging	WWSP1802	2			150,000			150,000
Secondary Air Header Piping	WWSP1701	2				875,000		875,000
Rebuild Blower Number 3	WWSP1702	2		280,000				280,000
Septic Hauler Dump Station	WWSP2301	3	350,000					350,000
Blower Building and Med Voltage Gear	WWSP2202	2					1,408,000	1,408,000
Bleach Tank Repair/Replacement	WWSP2302	1	50,000					50,000
4f-WWT Secondary Treatment Total			575,000	415,000	285,000	1,050,000	1,583,000	3,908,000
5-Technology								
Miscellaneous Computer Hardware	CITE2309	4	2,000					2,000
NEW ERP SOFTWARE - UB AR AP PROJ PYRL FS BUDG	CITE2310	1	250,000					250,000
Miscellaneous Computer Hardware	CITE2509	4			2,000			2,000
Software Upgrades	CITE2508	2			10,000			10,000
Mobile Computers	CITE2503	4			4,000			4,000
Personal Computer Replacements	CITE2502	3			4,000			4,000
Network Switch Upgrades	CITE2506	3			12,000			12,000
Software Upgrades	CITE2308	2	10,000					10,000
Computer Backup Hardware	CITE2507	1			8,000			8,000
Miscellaneous Computer Hardware	CITE2409	4		2,000				2,000
Personal Computer Replacements	CITE2402	3		4,000				4,000
Personal Computer Replacements	CITE2302	3	4,000					4,000
Software Upgrades	CITE2408	2		10,000				10,000
Mobile Computers	CITE2303	4	4,000					4,000
Mobile Computers	CITE2403	4		4,000				4,000
Server Upgrades	CITE2304	2	65,000					65,000
Server Upgrades	CITE2404	3		65,000				65,000
5-Technology Total			335,000	85,000	40,000			460,000
6-Service Center								
Building Security Upgrade	CSCW2102	3	33,000					33,000
CSC Lighting Upgrades - Garage Area	CSCW2023-3	2	10,450					10,450
Red Rubber Flooring Replacement	CSCW2302	2	125,000					125,000
Misc CSC CIP	CSCW2700	n/a					20,000	20,000
Building Landscaping	CSCW2103	4	14,000					14,000
North Roof Replacement	CSCW2201	2		80,000				80,000
Misc CSC CIP	CSCW2500	n/a			20,000			20,000
Misc CSC CIP	CSCW2600	n/a				20,000		20,000
South Roof Replacement	CSCW2301	2	275,000					275,000
South Gate Replacement	CSCW2022	2	20,000					20,000

Department	Project #	Priority	2023	2024	2025	2026	2027	Total
Misc CSC CIP	CSCW2400	n/a		20,000				20,000
6-Service Center Total			477,450	100,000	20,000	20,000	20,000	637,450
GRAND TOTAL			12,369,383	5,413,525	3,669,170	7,371,210	5,208,212	34,031,500

Grand Rapids Public Utilities Commission

Capital Plan

2023 thru 2027

FUNDING SOURCE SUMMARY

Source	2023	2024	2025	2026	2027	Total
City Contributions	10,450					10,450
Customer Contributions-Cohasset	5,157	6,150	6,071	17,381	4,011	38,770
Customer Contributions-LaPrairie	3,051	3,639	678	10,283	2,373	20,024
Customer Contributions-UPM	642,180	542,505	295,380	2,479,060	1,152,660	5,111,785
Debt	5,355,400	2,121,000	1,190,000	2,415,000	1,100,000	12,181,400
Grants	2,500,000					2,500,000
Reserves-Unrestricted	94,640	60,140	52,015	62,556	47,556	316,907
Rplcmt Fund-Elec share/business	358,370	104,870	31,720	13,000	13,000	520,960
Rplcmt Fund-Electric Infrastructure	866,556	870,983	882,490	888,264	894,212	4,402,505
Rplcmt Fund-Water Infrastructure	695,445	672,575	899,580	828,511	1,190,000	4,286,111
Rplcmt Fund-Water share/business	191,790	34,690	11,040	4,000	34,000	275,520
Rplcmt Fund-WWC Infrastructure	880,764	366,203	282,276	650,155	737,400	2,916,798
Rplcmt Fund-WWC share/business	95,696	24,870	7,920	3,000	33,000	164,486
GRAND TOTAL	11,699,499	4,807,625	3,659,170	7,371,210	5,208,212	32,745,716

Grand Rapids Public Utilities Commission

Capital Plan

2023 thru 2027

PROJECTS BY FUNDING SOURCE

Source	Project #	Priority	2023	2024	2025	2026	2027	Total
City Contributions								
CSC Lighting Upgrades - Garage Area	CSCW2023-3	2	10,450					10,450
City Contributions Total			10,450					10,450
Customer Contributions-Cohasset								
Secondary Air Header Piping	WWSP1701	2				13,370		13,370
Rebuild Blower Number 3	WWSP1702	2		3,056				3,056
B1 Pond Dredging	WWSP1802	2			1,146			1,146
Secondary Aeration Basin Mixer Repairs	WWSP1804	2	4,011	3,094	4,925	4,011	4,011	20,052
Bleach Tank Repair/Replacement	WWSP2302	1	1,146					1,146
Customer Contributions-Cohasset Total			5,157	6,150	6,071	17,381	4,011	38,770
Customer Contributions-LaPrairie								
Secondary Air Header Piping	WWSP1701	2				7,910		7,910
Rebuild Blower Number 3	WWSP1702	2		1,808				1,808
B1 Pond Dredging	WWSP1802	2			678			678
Secondary Aeration Basin Mixer Repairs	WWSP1804	2	2,373	1,831		2,373	2,373	8,950
Bleach Tank Repair/Replacement	WWSP2302	1	678					678
Customer Contributions-LaPrairie Total			3,051	3,639	678	10,283	2,373	20,024
Customer Contributions-UPM								
Personal Computer Replacements	CITE2302	3	1,320					1,320
Server Upgrades	CITE2304	2	0					0
Software Upgrades	CITE2308	2	2,500					2,500
Miscellaneous Computer Hardware	CITE2309	4	500					500
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
Demo of Old Primary Plant	WWPP2001	3	50,000					50,000
Sludge Screw Conveyor - Screw Replacement	WWPP2103	2	50,000	50,000				100,000
Forks for Front End Loader	WWPP2202	3	12,000					12,000
Primary Sludge Pump VFD's	WWPP2301	2	24,000					24,000
Screw Press VFD	WWPP2302	2	8,000					8,000
Primary Plant Sludge Pumps	WWPP2303	2	28,000	28,000	28,000	28,000	28,000	140,000
Replace Fiber ASV to CSC	WWSC2301	2	37,800					37,800

Source	Project #	Priority	2023	2024	2025	2026	2027	Total
Replace Truck 78	WWSC2401	2		56,875				56,875
Landfill Cover Work Phase 1-4, Kettle D	WWSD2301	2	230,000					230,000
Landfill Phase Pumps	WWSD2302	2	16,560	16,560	16,560	16,560	16,560	82,800
Industrial Screen House Upgrades	WWSH1801	4				1,600,000		1,600,000
VFD Upgrades for Lift Pumps	WWSH2301	2	12,000	12,000	12,000	12,000		48,000
Replace Fiber SH to Plumers	WWSH2302	2	12,000					12,000
Drive Gear Boxes for Parkson Screens	WWSH2401	2		16,000				16,000
Gear Box for Bark Dumper	WWSH2402	2		8,000				8,000
Secondary Air Header Piping	WWSP1701	2				700,000		700,000
Rebuild Blower Number 3	WWSP1702	2		240,000				240,000
B1 Pond Dredging	WWSP1802	2			135,000			135,000
Secondary Aeration Basin Mixer Repairs	WWSP1804	2	122,500	94,500	94,500	122,500	122,500	556,500
Blower Building and Med Voltage Gear	WWSP2202	2					985,600	985,600
Bleach Tank Repair/Replacement	WWSP2302	1	35,000					35,000

Customer Contributions-UPM Total

642,180 542,505 295,380 2,479,060 1,152,660 5,111,785

Debt

Water Plant Renovation	WATR2213	2	2,443,400					2,443,400
City Wdie Overlays- Sylvan	WATR2306	2	1,202,000	510,000				1,712,000
Category 1 Repairs	WATR2312	2	350,000	350,000	350,000	400,000	400,000	1,850,000
S-E-H Projects from Study	WATR2403	n/a		400,000	350,000	250,000	300,000	1,300,000
Category 1 Repairs	WWCO2308	2	350,000	350,000	350,000	400,000	400,000	1,850,000
City Wide Overlays- Sylvan	WWCO2310	2	1,010,000	511,000				1,521,000
S-E-H SE 11th St Sanitary Sewer Replacement	WWCO2402	2				1,300,000		1,300,000
Lift Station 5 Forcmain Replacement	WWCO2602	2				65,000		65,000
Lift Station 2 Forcmain Replacement	WWCO2704	2			140,000			140,000

Debt Total

5,355,400 2,121,000 1,190,000 2,415,000 1,100,000 12,181,400

Grants

Water Plant Renovation	WATR2213	2	2,500,000					2,500,000
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Grants Total

2,500,000 2,500,000

Reserves-Unrestricted

Flow Meter for Domestic Flow	WWDO2301	2	7,000					7,000
Trash Compactor	WWDO2302	2	50,000					50,000
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
Replace Truck 78	WWSC2401	2		8,125				8,125
Landfill Cover Work Phase 1-4, Kettle D	WWSD2301	2	20,000					20,000
Landfill Phase Pumps	WWSD2302	2	1,440	1,440	1,440	1,440	1,440	7,200
Secondary Aeration Basin Mixer Repairs	WWSP1804	2		35,575	35,575	46,116	46,116	163,382

Reserves-Unrestricted Total

94,640 60,140 52,015 62,556 47,556 316,907

Rplcmt Fund-Elec share/business

Personal Computer Replacements	CITE2302	3	1,680					1,680
Mobile Computers	CITE2303	4	2,000					2,000
Server Upgrades	CITE2304	2	45,500					45,500
Software Upgrades	CITE2308	2	4,700					4,700
Miscellaneous Computer Hardware	CITE2309	4	940					940

Source	Project #	Priority	2023	2024	2025	2026	2027	Total
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	13,000					13,000
Building Security Upgrade	CSCW2102	3	21,450					21,450
Building Landscaping	CSCW2103	4	9,100					9,100
North Roof Replacement	CSCW2201	2		52,000				52,000
South Roof Replacement	CSCW2301	2	178,750					178,750
Red Rubber Flooring Replacement	CSCW2302	2	81,250					81,250
Misc CSC CIP	CSCW2400	n/a		13,000				13,000
Misc CSC CIP	CSCW2500	n/a			13,000			13,000
Misc CSC CIP	CSCW2600	n/a				13,000		13,000
Misc CSC CIP	CSCW2700	n/a					13,000	13,000
Rplcmt Fund-Elec share/business Total			358,370	104,870	31,720	13,000	13,000	520,960

Rplcmt Fund-Electric Infrastructure

Distribution System Services	ELEC2301	1	40,000					40,000
Distribution System Duel Fuel Services	ELEC2302	1	2,560					2,560
Distribution System Security Lighting	ELEC2303	1	13,996					13,996
Overhead power line replacements and repairs	ELEC2304	1	60,000					60,000
Underground power line replacements and repairs	ELEC2305	1	30,000					30,000
Distribution System Transformers	ELEC2306	1	150,000					150,000
Purchase of electric AMI meters	ELEC2307	1	25,000					25,000
Inspect and replace power poles	ELEC2311	1	50,000					50,000
Convert 7200 volt systems to 23 kV	ELEC2312	1	100,000					100,000
Electric System Reliability Upgrades	ELEC2314	2	100,000					100,000
Crystal Springs Conversion	ELEC2315	1	146,000					146,000
Maple Street Conversion	ELEC2316	1	29,000					29,000
SW 1st Ave Conversion	ELEC2317	1	30,000					30,000
Backyard Machine	ELEC2318	2	90,000					90,000
Distribution System Services	ELEC2401	1		40,000				40,000
Distribution System Duel Fuel Services	ELEC2402	1		2,637				2,637
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		35,000				35,000
Inspect and replace power poles	ELEC2411	1		51,500				51,500
Convert 7200 volt systems to 23 kV	ELEC2412	1		50,000				50,000
Replace Truck 63	ELEC2413	2		200,000				200,000
Electric System Reliability Upgrades	ELEC2414	2		100,000				100,000
Crystal Springs Conversion	ELEC2415	1		110,000				110,000
Distribution System Services	ELEC2501	1			40,000			40,000
Distribution System Duel Fuel Services	ELEC2502	1			2,716			2,716
Distribution System Security Lighting	ELEC2503	1			14,725			14,725

Source	Project #	Priority	2023	2024	2025	2026	2027	Total
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 AML 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
Distribution System Services	ELEC2601	1				40,000		40,000
Distribution System Duel Fuel Services	ELEC2602	1				2,797		2,797
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 AML 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 Duel 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
Underground power line replacements and repairs	ELEC2705	1					33,765	33,765
Distribution System Transformers	ELEC2706	1					150,000	150,000
Purchase of electric AML 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
Rplcmt Fund-Electric Infrastructure Total			866,556	870,983	882,490	888,264	894,212	4,402,505

Rplcmt Fund-Water Infrastructure

Watermain minor additions & replacements	WATR1807	4	30,000	30,000	40,000	40,000	50,000	190,000
NW Street Reconstruction	WATR1903	2			157,080			157,080
11th St. NE (2nd to 3rdAve.)	WATR1904	3		83,600				83,600
5th Ave. NE (TH 2 to 5th St NE)	WATR2001	3				35,772		35,772
3rd Ave NE (5th to 8th Str.) & 7th Str. NE (3-5)	WATR2002	3		235,375				235,375
11th St NE (2nd- 3rd ave)	WATR2003	3		83,600				83,600
Well 2 Rehabilitation	WATR2004	1	55,000					55,000
High Service Pump Control Improvement	WATR2005	2	30,000					30,000
Ha-Car Neighborhood SE, Phase 1	WATR2101	3			362,500			362,500
6th Street NE (2nd Ave.-5th Ave.)	WATR2201	2				119,239		119,239
Hydrant Meters	WATR2203	3	8,700					8,700
WTP Sewage Ejector System	WATR2206	3	20,000					20,000
WTP Turbidity Meters	WATR2207	3	30,000					30,000
Fire Hydrant Repairs	WATR2209	2	35,000	25,000	20,000	20,000	20,000	120,000
6th Ave NW (4th to 5th st)	WATR2301	2				81,000		81,000
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	100,000	150,000	150,000	150,000	150,000	700,000
Backwash Valve	WATR2307	2	5,000					5,000
Radio Communication Upgrades	WATR2308	2	30,000					30,000
Replace Fiber (SH to City Hall)	WATR2309	2	7,500					7,500

Source	Project #	Priority	2023	2024	2025	2026	2027	Total
South Tower Coating Repairs	WATR2310	1	150,000					150,000
River Road Roundabout	WATR2311	1	144,245					144,245
Well 1 Rehabilitation	WATR2402	1		45,000				45,000
North Tower Coating Repairs	WATR2501	1			150,000			150,000
Ha-car Neighborhood, Phase 2	WATR2601	3				362,500		362,500
City Project	WATR2702	2					250,000	250,000
TOWER PAINTING	WATR2703	2					700,000	700,000
Rplcmt Fund-Water Infrastructure Total			695,445	672,575	899,580	828,511	1,190,000	4,286,111

Rplcmt Fund-Water share/business

Personal Computer Replacements	CITE2302	3	600					600
Mobile Computers	CITE2303	4	1,000					1,000
Server Upgrades	CITE2304	2	9,750					9,750
Software Upgrades	CITE2308	2	1,700					1,700
Miscellaneous Computer Hardware	CITE2309	4	340					340
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	4,000					4,000
Building Security Upgrade	CSCW2102	3	6,600					6,600
Building Landscaping	CSCW2103	4	2,800					2,800
North Roof Replacement	CSCW2201	2		16,000				16,000
South Roof Replacement	CSCW2301	2	55,000					55,000
Red Rubber Flooring Replacement	CSCW2302	2	25,000					25,000
Misc CSC CIP	CSCW2400	n/a		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
Paradise Park	WATR2313	2	85,000					85,000
Replace Truck 61	WWCO2701	3					30,000	30,000
Rplcmt Fund-Water share/business Total			191,790	34,690	11,040	4,000	34,000	275,520

Rplcmt Fund-WWC Infrastructure

WTP Aerator Media	WATR2208	3		11,000				11,000
Replace Fiber (SH to City Hall)	WATR2309	2	7,500					7,500
Mains and Services	WWCO1804	4	15,000	15,000	15,000			45,000
Manhole Replacements	WWCO1805	2	20,000	75,000	75,000	25,000	25,000	220,000
NW Street Reconstruction	WWCO1904	2			114,600			114,600
5th Ave. NE (T.H. #2 to 5th Str. NE)	WWCO2001	2				66,435		66,435
3rd Ave. NE (4th - 8th) & 7th st (3rd -5th)	WWCO2002	2		25,000				25,000
11th Ave NE (5th St NE - 7th St NE)	WWCO2003	2				115,000		115,000
Lift Station Pumps	WWCO2005	1	35,000	35,000	38,000	40,000	40,000	188,000
Ha-Car SE Neighborhood, Phase 1	WWCO2021	2				250,000		250,000
6th Street NE (2nd Ave. - 5th Ave)	WWCO2201	2		110,067				110,067

Source	Project #	Priority	2023	2024	2025	2026	2027	Total
City Wide Overlays-Rural	WWCO2202	2		60,000				60,000
Lift Station 9 Controls Update	WWCO2203	1			26,500			26,500
Lift Station 7 Controls Update	WWCO2301	1	27,300					27,300
6th Ave NW (4th-5th)	WWCO2302	2	52,000					52,000
Spare Jetting Camera	WWCO2303	3	60,000					60,000
Lift Station 2 Pump	WWCO2305	1	25,000					25,000
Lift Station 6 Rehab	WWCO2306	1	30,000					30,000
Lift Station 6 I/I Repairs	WWCO2307	1	35,000					35,000
Lift Station 2 Flow Meter	WWCO2309	2	8,000					8,000
Lift Station 2 Forcemain Replacement	WWCO2311	2	150,000					150,000
River Road Roundabout	WWCO2312	1	369,848					369,848
City Project	WWCO2702	2					250,000	250,000
Secondary Air Header Piping	WWSP1701	2				153,720		153,720
Rebuild Blower Number 3	WWSP1702	2		35,136				35,136
B1 Pond Dredging	WWSP1802	2			13,176			13,176
Secondary Aeration Basin Mixer Repairs	WWSP1804	2	46,116					46,116
Blower Building and Med Voltage Gear	WWSP2202	2					422,400	422,400
Rplcmt Fund-WWC Infrastructure Total			880,764	366,203	282,276	650,155	737,400	2,916,798

Rplcmt Fund-WWC share/business

Personal Computer Replacements	CITE2302	3	400					400
Mobile Computers	CITE2303	4	1,000					1,000
Server Upgrades	CITE2304	2	9,750					9,750
Software Upgrades	CITE2308	2	1,100					1,100
Miscellaneous Computer Hardware	CITE2309	4	220					220
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	3,000					3,000
Building Security Upgrade	CSCW2102	3	4,950					4,950
Building Landscaping	CSCW2103	4	2,100					2,100
North Roof Replacement	CSCW2201	2		12,000				12,000
South Roof Replacement	CSCW2301	2	41,250					41,250
Red Rubber Flooring Replacement	CSCW2302	2	18,750					18,750
Misc CSC CIP	CSCW2400	n/a		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
Bleach Tank Repair/Replacement	WWSP2302	1	13,176					13,176
Rplcmt Fund-WWC share/business Total			95,696	24,870	7,920	3,000	33,000	164,486

GRAND TOTAL 11,699,499 4,807,625 3,659,170 7,371,210 5,208,212 32,745,716