

# Grand Rapids Public Utilities Commission

## *Capital Plan*

2023 thru 2027

### DEPARTMENT SUMMARY

Department	2023	2024	2025	2026	2027	Total
1-Electric	866,440	871,883	882,490	888,264	894,212	4,403,289
2-Water	7,393,055	2,492,575	1,571,580	1,438,511	1,590,000	14,485,721
3-Wastewater Collection	1,980,274	1,181,067	784,100	2,261,435	525,000	6,731,876
4a-WWT Domestic	207,000	30,000		15,000		252,000
4b-WWT Screenhouse	24,000	36,000	12,000	12,000		84,000
4c-WWT Primary Plant	218,500	78,000	28,000	28,000	28,000	380,500
4d-WWT Sludge Disposal	276,000	1,318,000	18,000	18,000	18,000	1,648,000
4e-WWT Service Center	54,000	65,000				119,000
4f-WWT Secondary Treatment	575,000	415,000	285,000	175,000	175,000	1,625,000
5-Technology	335,000	85,000	40,000			460,000
6-Service Center	477,450	100,000	20,000	20,000	20,000	637,450
<b>TOTAL</b>	<b>12,406,719</b>	<b>6,672,525</b>	<b>3,641,170</b>	<b>4,856,210</b>	<b>3,250,212</b>	<b>30,826,836</b>

Grand Rapids Public Utilities Commission

Capital Plan

2023 thru 2027

PROJECTS BY DEPARTMENT

Department	Project #	Priority	2023	2024	2025	2026	2027	Total
<b>I-Electric</b>								
Overhead to Underground Conversions	ELEC2713	1					400,000	400,000
Purchase of electric AMI meters	ELEC2607	1				27,318		27,318
Overhead power line replacements and repairs	ELEC2504	1			63,654			63,654
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
Crystal Springs Conversion	ELEC2315	1	146,000					146,000
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 Transformers	ELEC2506	1			150,000			150,000
Distribution System Transformers	ELEC2606	1				150,000		150,000
Distribution System Transformers	ELEC2706	1					150,000	150,000
Purchase of electric AMI meters	ELEC2507	1			26,523			26,523
Electric System Reliability Upgrades	ELEC2414	2		100,000				100,000
SW 1st Ave Conversion	ELEC2317	1	30,000					30,000
Electric System Reliability Upgrades	ELEC2314	2	100,000					100,000
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
Convert SW Grand Rapids to Underground	ELEC2510	1			200,000			200,000
Crystal Springs Conversion	ELEC2415	1		110,000				110,000
Backyard Machine	ELEC2318	2	90,000					90,000
Purchase of electric AMI meters	ELEC2707	1					28,138	28,138
Maple Street Conversion	ELEC2316	1	29,000					29,000
Distribution System Security Lighting	ELEC2403	1		14,296				14,296
Distribution System Services	ELEC2501	1			40,000			40,000
Distribution System Services	ELEC2601	1				40,000		40,000
Distribution System Services	ELEC2701	1					40,000	40,000
Replace Truck 63	ELEC2413	2		200,000				200,000
Distribution System Duel Fuel Services	ELEC2502	1			2,716			2,716
Distribution System Duel Fuel Services	ELEC2602	1				2,797		2,797
Distribution System Duel Fuel Services	ELEC2702	1					2,881	2,881
Distribution System Security Lighting	ELEC2503	1			14,725			14,725
Distribution System Security Lighting	ELEC2603	1				15,167		15,167
Distribution System Services	ELEC2301	1	40,000					40,000
Distribution System Services	ELEC2401	1		40,000				40,000
Distribution System Duel Fuel Services	ELEC2302	1	2,560					2,560
Distribution System Security Lighting	ELEC2703	1					15,622	15,622
Distribution System Security Lighting	ELEC2303	1	13,880					13,880
Overhead power line replacements and repairs	ELEC2304	1	60,000					60,000

Department	Project #	Priority	2023	2024	2025	2026	2027	Total
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 AMI meters	ELEC2307	1	25,000					25,000
Purchase of electric AMI 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
Inspect and replace power poles	ELEC2311	1	50,000					50,000
Inspect and replace power poles	ELEC2411	1		51,500				51,500
Distribution System Dual Fuel Services	ELEC2402	1		2,637				2,637

**1-Electric Total**

**866,440    871,883    882,490    888,264    894,212    4,403,289**

**2-Water**

WTP Sludge Pump	WATR2205	3	11,000					11,000
WTP Communication with Wells	WATR2211	3	15,000					15,000
City Project- NW Street Reconstruction	WATR1903	2			157,080			157,080
City Project - 6th Street NE (2nd Ave.-5th Ave.)	WATR2201	2				119,239		119,239
City Project - 5th Ave. NE (TH 2 to 5th St NE)	WATR2001	3				35,772		35,772
City Project - 11th St. NE (2nd to 3rd Ave.)	WATR1904	3		83,600				83,600
City Project - Ha-Car Neighborhood SE, Phase 1	WATR2101	3			362,500			362,500
City Project - 11th St NE (2nd- 3rd ave)	WATR2003	3		83,600				83,600
Well 2 Rehabilitation	WATR2004	1	55,000					55,000
WTP Turbidity Meters	WATR2207	3	30,000					30,000
City Project - 6th Ave NW (4th to 5th st)	WATR2301	2				81,000		81,000
Fire Hydrant Repairs	WATR2209	2	35,000	25,000	20,000	20,000	20,000	120,000
WTP Main Valve	WATR2212	2	22,500					22,500
Mid-Tower Coating Repairs	WATR2107	1	38,000					38,000
WTP Security	WATR2108	1	43,000					43,000
Hydrant Meters	WATR2203	3	8,700					8,700
WTP Flow Meters	WATR2204	2	30,000					30,000
WTP Aerator Media	WATR2208	3	12,000		12,000			24,000
City Project - 3rd Ave NE (5th-8th) & 7th S. NE	WATR2002	3		235,375				235,375
Water Plant Renovation	WATR2213	2	4,943,400					4,943,400
High Service Pump Control Improvement	WATR2005	2	60,000					60,000
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 4 Rehabilitation	WATR2402	1		45,000				45,000
City Project - City Wide Overlays- Sylvan	WATR2306	2	1,202,000	510,000				1,712,000
City Project - Ha-car Neighborhood, Phase 2	WATR2601	3				362,500		362,500
NEW WELL	WATR2401	3		590,000				590,000
Booster Station Panel View	WATR2302	2	30,000					30,000
WTP Sewage Ejector System	WATR2206	3	20,000					20,000
WTP Backwash Valve	WATR2307	2	5,000					5,000
South Tower Coating Repairs	WATR2310	1	150,000					150,000
North Tower Coating Repairs	WATR2501	1			150,000			150,000
City Project - River Road Roundabout	WATR2311	1	82,455					82,455
WWC Category 1- Piping Replacement	WATR2312	2	350,000	350,000	350,000	400,000	400,000	1,850,000
S-E-H Projects from Study	WATR2403	2		400,000	350,000	250,000	300,000	1,300,000
City Project - Paradise Park	WATR2313	2	85,000					85,000
Radio Communication Upgrades	WATR2308	2	30,000					30,000
Tower Painting	WATR2703	2					700,000	700,000

Department	Project #	Priority	2023	2024	2025	2026	2027	Total
<b>2-Water Total</b>			<b>7,393,055</b>	<b>2,492,575</b>	<b>1,571,580</b>	<b>1,438,511</b>	<b>1,590,000</b>	<b>14,485,721</b>
<b>3-Wastewater Collection</b>								
Lift Station Pumps	WWCO2005	1	35,000	35,000	38,000	40,000	40,000	188,000
SE 11th St Sanitary Sewer Replacement	WWCO2402	2				1,300,000		1,300,000
City Project - City Wide Overlays- Sylvan	WWCO2310	2	1,010,000	511,000				1,521,000
Replace Truck 61	WWCO2701	3					60,000	60,000
Lift Station 2 - Generator and switch	WWCO2207	3	36,490					36,490
Lift Station 3 - Generator and switch	WWCO2208	3	32,825					32,825
Lift Station 2 Flow Meter	WWCO2309	2	8,000					8,000
WWC Category 1- Piping Repairs	WWCO2308	2	350,000	350,000	350,000	400,000	400,000	1,850,000
Lift Station 6 I/I Repairs	WWCO2307	1	35,000					35,000
Lift Station 8 Controls Update	WWCO2601	1	35,000					35,000
City Project - River Road Roundabout	WWCO2312	1	210,959					210,959
Jetting Camera	WWCO2303	3	60,000					60,000
Lift Station 2 Forcemain Replacement	WWCO2704	2			140,000			140,000
Lift Station 5 Forcemain Replacement	WWCO2602	2				65,000		65,000
City Project - 6th Street NE (2 - 5th Ave)	WWCO2201	2		110,067				110,067
City Project - NW Street Reconstruction	WWCO1904	2			114,600			114,600
Mains and Services	WWCO1804	4	15,000	15,000	15,000			45,000
Lift Station 9 Controls Update	WWCO2304	1	35,000					35,000
Lift Station 13 Controls Update	WWCO2203	1			26,500			26,500
Lift Station 2 Pump	WWCO2305	1	25,000					25,000
City Project - 11th Ave NE (5-7th St NE)	WWCO2003	2				115,000		115,000
City Project - 5th Ave NE (Hwy2 to 5th St. NE)	WWCO2001	2				66,435		66,435
DeltaV Secondary for Clinic Lift plus alarm agent	WWCO2103	2	20,000					20,000
City Project - 6th Ave NW (4th-5th)	WWCO2302	2	52,000					52,000
City Project - Ha-Car SE Neighborhood, Phase 1	WWCO2021	2				250,000		250,000
City Wide Overlays-Rural	WWCO2202	2		60,000				60,000
Manhole Replacements	WWCO1805	2	20,000	75,000	100,000	25,000	25,000	245,000
City Project - 3rd Av.NE (4-8th) 7th st (3rd -5th)	WWCO2002	2		25,000				25,000
<b>3-Wastewater Collection Total</b>			<b>1,980,274</b>	<b>1,181,067</b>	<b>784,100</b>	<b>2,261,435</b>	<b>525,000</b>	<b>6,731,876</b>
<b>4a-WWT Domestic</b>								
Rebuild Domestic Screen	WWDO1801	2	150,000					150,000
Trash Compactor	WWDO2302	2	50,000					50,000
Flow Meter for Domestic Flow	WWDO2301	2	7,000					7,000
VFD Upgrades On Lift Pumps	WWDO2401	2		30,000		15,000		45,000
<b>4a-WWT Domestic Total</b>			<b>207,000</b>	<b>30,000</b>		<b>15,000</b>		<b>252,000</b>
<b>4b-WWT Screenhouse</b>								
Replace Fiber Segment 1	WWSH2302	2	12,000					12,000
Gear Box for Bark Dumper	WWSH2402	2		8,000				8,000
Drive Gear Boxes for Parkson Screens	WWSH2401	2		16,000				16,000
VFD Upgrades for Lift Pumps	WWSH2301	2	12,000	12,000	12,000	12,000		48,000
<b>4b-WWT Screenhouse Total</b>			<b>24,000</b>	<b>36,000</b>	<b>12,000</b>	<b>12,000</b>		<b>84,000</b>
<b>4c-WWT Primary Plant</b>								
Painting Primary Clarifiers	WWPP2003	3	40,000					40,000
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
Primary Sludge Pump VFD's	WWPP2301	2	24,000					24,000

Department	Project #	Priority	2023	2024	2025	2026	2027	Total
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
WWTP Alarm Agent	WWPP2304	2	6,500					6,500
<b>4c-WWT Primary Plant Total</b>			<b>218,500</b>	<b>78,000</b>	<b>28,000</b>	<b>28,000</b>	<b>28,000</b>	<b>380,500</b>
<b>4d-WWT Sludge Disposal</b>								
Landfill Cover Work Phase 1-4, Kettle D	WWSD2301	2	250,000	1,300,000				1,550,000
Landfill Phase Pumps	WWSD2302	2	18,000	18,000	18,000	18,000	18,000	90,000
Leachate Phase Pump	WWSD2101	2	8,000					8,000
<b>4d-WWT Sludge Disposal Total</b>			<b>276,000</b>	<b>1,318,000</b>	<b>18,000</b>	<b>18,000</b>	<b>18,000</b>	<b>1,648,000</b>
<b>4e-WWT Service Center</b>								
Replace Fiber ASV to CSC	WWSC2301	2	54,000					54,000
Replace Truck 78	WWSC2401	2		65,000				65,000
<b>4e-WWT Service Center Total</b>			<b>54,000</b>	<b>65,000</b>				<b>119,000</b>
<b>4f-WWT Secondary Treatment</b>								
Rebuild Blower Number 3	WWSP1702	2		280,000				280,000
B1 Pond Dredging	WWSP1802	2			150,000			150,000
Secondary Aeration Basin Mixer Repairs	WWSP1804	2	175,000	135,000	135,000	175,000	175,000	795,000
Bleach Tank Repair/Replacement	WWSP2302	1	50,000					50,000
Septic Hauler Dump Station	WWSP2301	3	350,000					350,000
<b>4f-WWT Secondary Treatment Total</b>			<b>575,000</b>	<b>415,000</b>	<b>285,000</b>	<b>175,000</b>	<b>175,000</b>	<b>1,625,000</b>
<b>5-Technology</b>								
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
Personal Computer Replacements	CITE2502	3			4,000			4,000
Personal Computer Replacements	CITE2402	3		4,000				4,000
Software Upgrades	CITE2308	2	10,000					10,000
Server Upgrades	CITE2404	3		65,000				65,000
Server Upgrades	CITE2304	2	65,000					65,000
Mobile Computers	CITE2503	4			4,000			4,000
Mobile Computers	CITE2303	4	4,000					4,000
Software Upgrades	CITE2408	2		10,000				10,000
Personal Computer Replacements	CITE2302	3	4,000					4,000
Network Switch Upgrades	CITE2506	3			12,000			12,000
Miscellaneous Computer Hardware	CITE2309	4	2,000					2,000
Computer Backup Hardware	CITE2507	1			8,000			8,000
Miscellaneous Computer Hardware	CITE2409	4		2,000				2,000
Mobile Computers	CITE2403	4		4,000				4,000
<b>5-Technology Total</b>			<b>335,000</b>	<b>85,000</b>	<b>40,000</b>			<b>460,000</b>
<b>6-Service Center</b>								
Misc CSC CIP	CSCW2700	n/a					20,000	20,000
South Gate Replacement	CSCW2022	2	20,000					20,000
Misc CSC CIP	CSCW2600	n/a				20,000		20,000
South Roof Replacement	CSCW2301	2	275,000					275,000
North Roof Replacement	CSCW2201	2		80,000				80,000
Misc CSC CIP	CSCW2500	n/a			20,000			20,000

Department	Project #	Priority	2023	2024	2025	2026	2027	Total
Misc CSC CIP	CSCW2400	n/a		20,000				20,000
CSC Lighting Upgrades - Garage Area	CSCW2023-3	2	10,450					10,450
Red Rubber Flooring Replacement	CSCW2302	2	125,000					125,000
Building Landscaping	CSCW2103	4	14,000					14,000
Building Security Upgrade	CSCW2102	3	33,000					33,000
<b>6-Service Center Total</b>			<b>477,450</b>	<b>100,000</b>	<b>20,000</b>	<b>20,000</b>	<b>20,000</b>	<b>637,450</b>
<b>GRAND TOTAL</b>			<b>12,406,719</b>	<b>6,672,525</b>	<b>3,641,170</b>	<b>4,856,210</b>	<b>3,250,212</b>	<b>30,826,836</b>

# Grand Rapids Public Utilities Commission

## *Capital Plan*

2023 thru 2027

### **FUNDING SOURCE SUMMARY**

<b>Source</b>	<b>2023</b>	<b>2024</b>	<b>2025</b>	<b>2026</b>	<b>2027</b>	<b>Total</b>
City Contributions	10,450					10,450
Customer Contributions-Cohasset	5,157	6,150	6,071	4,011	4,011	25,400
Customer Contributions-LaPrairie	3,051	3,639	678	2,373	2,373	12,114
Customer Contributions-UPM	696,680	1,842,505	295,380	179,060	167,060	3,180,685
Debt	5,355,400	2,121,000	1,190,000	2,415,000	1,100,000	12,181,400
Grants	2,592,500					2,592,500
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	949,011	870,983	882,490	888,264	894,212	4,484,960
Rplcmt Fund-Water Infrastructure	630,200	642,575	859,580	788,511	890,000	3,810,866
Rplcmt Fund-Water share/business	191,790	34,690	11,040	4,000	34,000	275,520
Rplcmt Fund-WWC Infrastructure	753,890	355,203	294,276	496,435	65,000	1,964,804
Rplcmt Fund-WWC share/business	95,696	24,870	7,920	3,000	33,000	164,486
<b>GRAND TOTAL</b>	<b>11,736,835</b>	<b>6,066,625</b>	<b>3,631,170</b>	<b>4,856,210</b>	<b>3,250,212</b>	<b>29,541,052</b>

Grand Rapids Public Utilities Commission

*Capital Plan*

2023 thru 2027

**PROJECTS BY FUNDING SOURCE**

Source	Project #	Priority	2023	2024	2025	2026	2027	Total
<b>City Contributions</b>								
CSC Lighting Upgrades - Garage Area	CSCW2023-3	2	10,450					10,450
<b>City Contributions Total</b>			<b>10,450</b>					<b>10,450</b>
<b>Customer Contributions-Cohasset</b>								
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
<b>Customer Contributions-Cohasset Total</b>			<b>5,157</b>	<b>6,150</b>	<b>6,071</b>	<b>4,011</b>	<b>4,011</b>	<b>25,400</b>
<b>Customer Contributions-LaPrairie</b>								
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
<b>Customer Contributions-LaPrairie Total</b>			<b>3,051</b>	<b>3,639</b>	<b>678</b>	<b>2,373</b>	<b>2,373</b>	<b>12,114</b>
<b>Customer Contributions-UPM</b>								
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
Painting Primary Clarifiers	WWPP2003	3	40,000					40,000
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
WWTP Alarm Agent	WWPP2304	2	6,500					6,500
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
Leachate Phase Pump	WWSD2101	2	8,000					8,000
Landfill Cover Work Phase 1-4, Kettle D	WWSD2301	2	230,000	1,300,000				1,530,000
Landfill Phase Pumps	WWSD2302	2	16,560	16,560	16,560	16,560	16,560	82,800
VFD Upgrades for Lift Pumps	WWSH2301	2	12,000	12,000	12,000	12,000		48,000
Replace Fiber Segment 1	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
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
Bleach Tank Repair/Replacement	WWSP2302	1	35,000					35,000
<b>Customer Contributions-UPM Total</b>			<b>696,680</b>	<b>1,842,505</b>	<b>295,380</b>	<b>179,060</b>	<b>167,060</b>	<b>3,180,685</b>

### Debt

Water Plant Renovation	WATR2213	2	2,443,400					2,443,400
City Project - City Wide Overlays- Sylvan	WATR2306	2	1,202,000	510,000				1,712,000
WWC Category 1- Piping Replacement	WATR2312	2	350,000	350,000	350,000	400,000	400,000	1,850,000
S-E-H Projects from Study	WATR2403	2		400,000	350,000	250,000	300,000	1,300,000
WWC Category 1- Piping Repairs	WWCO2308	2	350,000	350,000	350,000	400,000	400,000	1,850,000
City Project - City Wide Overlays- Sylvan	WWCO2310	2	1,010,000	511,000				1,521,000
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
<b>Debt Total</b>			<b>5,355,400</b>	<b>2,121,000</b>	<b>1,190,000</b>	<b>2,415,000</b>	<b>1,100,000</b>	<b>12,181,400</b>

### Grants

WTP Security	WATR2108	1	43,000					43,000
WTP Aerator Media	WATR2208	3	12,000					12,000
WTP Communication with Wells	WATR2211	3	15,000					15,000
WTP Main Valve	WATR2212	2	22,500					22,500
Water Plant Renovation	WATR2213	2	2,500,000					2,500,000
<b>Grants Total</b>			<b>2,592,500</b>					<b>2,592,500</b>

### 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
<b>Reserves-Unrestricted Total</b>			<b>94,640</b>	<b>60,140</b>	<b>52,015</b>	<b>62,556</b>	<b>47,556</b>	<b>316,907</b>

### 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

Source	Project #	Priority	2023	2024	2025	2026	2027	Total
Software Upgrades	CITE2308	2	4,700					4,700
Miscellaneous Computer Hardware	CITE2309	4	940					940
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
<b>Rplcmt Fund-Elec share/business Total</b>			<b>358,370</b>	<b>104,870</b>	<b>31,720</b>	<b>13,000</b>	<b>13,000</b>	<b>520,960</b>

### **Rplcmt Fund-Electric Infrastructure**

Distribution System Services	ELEC2301	1	40,000					40,000
Distribution System Dual 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 AML 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 Dual 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 AML 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

Source	Project #	Priority	2023	2024	2025	2026	2027	Total
Distribution System Duel Fuel Services	ELEC2502	1			2,716			2,716
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
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 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 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 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
City Project - River Road Roundabout	WATR2311	1	82,455					82,455
<b>Rplcmt Fund-Electric Infrastructure</b>			<b>949,011</b>	<b>870,983</b>	<b>882,490</b>	<b>888,264</b>	<b>894,212</b>	<b>4,484,960</b>
<b>Total</b>								

### Rplcmt Fund-Water Infrastructure

City Project- NW Street Reconstruction	WATR1903	2			157,080			157,080
City Project - 11th St. NE (2nd to 3rd Ave.)	WATR1904	3		83,600				83,600
City Project - 5th Ave. NE (TH 2 to 5th St NE)	WATR2001	3				35,772		35,772
City Project - 3rd Ave NE (5th-8th) & 7th S. NE	WATR2002	3		235,375				235,375
City Project - 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	60,000					60,000
City Project - Ha-Car Neighborhood SE, Phase 1	WATR2101	3			362,500			362,500
Mid-Tower Coating Repairs	WATR2107	1	38,000					38,000
City Project - 6th Street NE (2nd Ave.-5th Ave.)	WATR2201	2				119,239		119,239
Hydrant Meters	WATR2203	3	8,700					8,700
WTP Flow Meters	WATR2204	2	30,000					30,000
WTP Sludge Pump	WATR2205	3	11,000					11,000
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
City Project - 6th Ave NW (4th to 5th st)	WATR2301	2				81,000		81,000
Booster Station Panel View	WATR2302	2	30,000					30,000

Source	Project #	Priority	2023	2024	2025	2026	2027	Total
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
WTP 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
South Tower Coating Repairs	WATR2310	1	150,000					150,000
Well 4 Rehabilitation	WATR2402	1		45,000				45,000
North Tower Coating Repairs	WATR2501	1			150,000			150,000
City Project - Ha-car Neighborhood, Phase 2	WATR2601	3				362,500		362,500
Tower Painting	WATR2703	2					700,000	700,000
<b>Rplcmt Fund-Water Infrastructure Total</b>			<b>630,200</b>	<b>642,575</b>	<b>859,580</b>	<b>788,511</b>	<b>890,000</b>	<b>3,810,866</b>

### 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
City Project - Paradise Park	WATR2313	2	85,000					85,000
Replace Truck 61	WWCO2701	3					30,000	30,000
<b>Rplcmt Fund-Water share/business Total</b>			<b>191,790</b>	<b>34,690</b>	<b>11,040</b>	<b>4,000</b>	<b>34,000</b>	<b>275,520</b>

### Rplcmt Fund-WWC Infrastructure

WTP Aerator Media	WATR2208	3			12,000			12,000
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
City Project - NW Street Reconstruction	WWCO1904	2			114,600			114,600
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		25,000				25,000
City Project - 11th Ave NE (5-7th St NE)	WWCO2003	2				115,000		115,000

Source	Project #	Priority	2023	2024	2025	2026	2027	Total
Lift Station Pumps	WWCO2005	1	35,000	35,000	38,000	40,000	40,000	188,000
City Project - Ha-Car SE Neighborhood, Phase 1	WWCO2021	2				250,000		250,000
DeltaV Secondary for Clinic Lift plus alarm agent	WWCO2103	2	20,000					20,000
City Project - 6th Street NE (2 - 5th Ave)	WWCO2201	2		110,067				110,067
City Wide Overlays-Rural	WWCO2202	2		60,000				60,000
Lift Station 13 Controls Update	WWCO2203	1			26,500			26,500
Lift Station 2 - Generator and switch	WWCO2207	3	36,490					36,490
Lift Station 3 - Generator and switch	WWCO2208	3	32,825					32,825
City Project - 6th Ave NW (4th-5th)	WWCO2302	2	52,000					52,000
Jetting Camera	WWCO2303	3	60,000					60,000
Lift Station 2 Pump	WWCO2305	1	25,000					25,000
Lift Station 6 I/I Repairs	WWCO2307	1	35,000					35,000
Lift Station 2 Flow Meter	WWCO2309	2	8,000					8,000
City Project - River Road Roundabout	WWCO2312	1	210,959					210,959
Rebuild Domestic Screen	WWDO1801	2	150,000					150,000
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
<b>Rplcmt Fund-WWC Infrastructure Total</b>			<b>753,890</b>	<b>355,203</b>	<b>294,276</b>	<b>496,435</b>	<b>65,000</b>	<b>1,964,804</b>

### 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
<b>Rplcmt Fund-WWC share/business Total</b>			<b>95,696</b>	<b>24,870</b>	<b>7,920</b>	<b>3,000</b>	<b>33,000</b>	<b>164,486</b>

Source	Project #	Priority	2023	2024	2025	2026	2027	Total
<b>GRAND TOTAL</b>			11,736,835	6,066,625	3,631,170	4,856,210	3,250,212	29,541,052