

# Capital Plan

2024 *thru* 2028

## Grand Rapids Public Utilities Commission

**Department** 1-Electric

**Contact** Jeremy Goodell

**Project #** ELEC2213

**Project Name** Replace Truck 60 Bucket Truck

**Type** Unassigned

**Useful Life** 20

**Category** Vehicles

**Priority** 01 - Required

**Status** Active

**Total Project Cost:** \$238,000

### Description

Replace small bucket truck, Truck 60 20220930

### Justification

Aging vehicles require higher maintenance and no longer can be serviced.

Expenditures	2024	2025	2026	2027	2028	Total
Purchases	238,000					238,000
<b>Total</b>	<b>238,000</b>					<b>238,000</b>

Funding Sources	2024	2025	2026	2027	2028	Total
Rplcmt Fund-Electric Infrastructure	238,000					238,000
<b>Total</b>	<b>238,000</b>					<b>238,000</b>

### Budget Impact/Other

# Capital Plan

2024 *thru* 2028

## Grand Rapids Public Utilities Commission

**Department** 1-Electric

**Contact** Chad Troumbly

**Type** Unassigned

**Useful Life** 30

**Category** Buildings

**Priority** 02 - Significant Need

**Status** Active

**Project #** ELEC2219

**Project Name** Replace Main Substation Building Roof

**Total Project Cost:** \$25,000

### Description

Replace main substation building roof.

### Justification

Existing roof has no insulation which causes ices dams in the winter and subsequent leaking into building. Roof pitch is not great enough and attic space is very small.

Expenditures	2024	2025	2026	2027	2028	Total
Contractor Labor	25,000					25,000
<b>Total</b>	<b>25,000</b>					<b>25,000</b>

Funding Sources	2024	2025	2026	2027	2028	Total
Rplcmt Fund-Electric Infrastructure	25,000					25,000
<b>Total</b>	<b>25,000</b>					<b>25,000</b>

### Budget Impact/Other



# Capital Plan

2024 *thru* 2028

## Grand Rapids Public Utilities Commission

**Department** 1-Electric

**Contact** Chad Troumbly

**Type** Unassigned

**Useful Life** 30

**Category** Electric System

**Priority** 01 - Required

**Status** Active

**Total Project Cost:** \$23,000

**Project #** ELEC2222

**Project Name** 4/0 Cable Replacement to Ace Hardware

### Description

Replace cable from Feeder 326 switch to Ace Hardware

### Justification

Old cross linked polyethylene underground cable is susceptible to premature failure.

Labor each:  $\$45 \times \$33 = \$1500$

Parts: \$1500

Contract Labor = \$20,000

Expenditures	2024	2025	2026	2027	2028	Total
Purchases	1,500					1,500
Labor	1,500					1,500
Contractor Labor	20,000					20,000
<b>Total</b>	<b>23,000</b>					<b>23,000</b>

Funding Sources	2024	2025	2026	2027	2028	Total
Rplcmt Fund-Electric Infrastructure	20,500					20,500
<b>Total</b>	<b>20,500</b>					<b>20,500</b>

### Budget Impact/Other

Capital Plan

2024 *thru* 2028

Grand Rapids Public Utilities Commission

Project # **ELEC2316**  
Project Name **Maple Street Conversion**

Department 1-Electric  
Contact Chad Troumbly  
Type Unassigned  
Useful Life 30  
Category Electric System  
Priority 01 - Required  
Status Active

**Description**  
Convert Maple Street from overhead to underground

**Justification**  
Inaccessible backyard overhead lines, reduced reliability due to trees and squirrels.

Total Project Cost: \$100,000

Expenditures	2024	2025	2026	2027	2028	Total
Purchases	63,000					63,000
Labor	15,000					15,000
Contractor Labor	22,000					22,000
Total	100,000					100,000

Funding Sources	2024	2025	2026	2027	2028	Total
Rplcmt Fund-Electric Infrastructure	100,000					100,000
Total	100,000					100,000

**Budget Impact/Other**

## Capital Plan

2024 *thru* 2028

## Grand Rapids Public Utilities Commission

**Department** 1-Electric

**Contact** Chad Troumbly

**Type** Unassigned

**Useful Life** 30

**Category** Electric System

**Priority** 01 - Required

**Status** Active

**Total Project Cost:** \$100,000

**Project #** ELEC2317

**Project Name** SW 1st Ave Conversion

### Description

Convert alley between SW 1st Ave and SW 2nd Ave north of SW 4th St from overhead to underground.

### Justification

Significant outages on overhead line due to squirrels and trees.

Expenditures	2024	2025	2026	2027	2028	Total
Purchases	63,000					63,000
Labor	15,000					15,000
Contractor Labor	22,000					22,000
<b>Total</b>	<b>100,000</b>					<b>100,000</b>

Funding Sources	2024	2025	2026	2027	2028	Total
Rplcmt Fund-Electric Infrastructure	100,000					100,000
<b>Total</b>	<b>100,000</b>					<b>100,000</b>

### Budget Impact/Other

# Capital Plan

2024 thru 2028

## Grand Rapids Public Utilities Commission

**Department** 1-Electric  
**Contact** Jeremy Goodell  
**Type** Unassigned  
**Useful Life** 30  
**Category** Electric System  
**Priority** 01 - Required  
**Status** Active

**Project #** ELEC2401  
**Project Name** Distribution System Services

**Total Project Cost:** \$40,000

### Description

New or upgraded electrical services. Customer receives \$1000 service allowance per service. Estimated 40 services per year.

### Justification

Account designated for the GRPUC share of new or upgraded services.

Cost to GRPU:

40 residential or commercial services per year x \$1000 service allowance = \$40,000

Revenue, amount over \$1000 paid by customer, 10.451.0000: (15 services)x(\$1800 ea) = \$27,000 for residential. (6 commercial services)x(\$11,000 ea) = \$66,000

Expenditures	2024	2025	2026	2027	2028	Total
Purchases	40,000					40,000
<b>Total</b>	<b>40,000</b>					<b>40,000</b>

Funding Sources	2024	2025	2026	2027	2028	Total
Rplcmt Fund-Electric Infrastructure	40,000					40,000
<b>Total</b>	<b>40,000</b>					<b>40,000</b>

### Budget Impact/Other

Budget Items	2024	2025	2026	2027	2028	Total
Capital Projects	40,000					40,000
<b>Total</b>	<b>40,000</b>					<b>40,000</b>



# Capital Plan

2024 thru 2028

## Grand Rapids Public Utilities Commission

Department 1-Electric

Contact Jeremy Goodell

Type Unassigned

Useful Life 30

Category Electric System

Priority 01 - Required

Status Active

Total Project Cost: \$14,296

Project # ELEC2403

Project Name Distribution System Security Lighting

### Description

Replacement costs of existing LED security light fixtures due to failures. Additional cost due to new customer requested lights.

### Justification

Failure of existing security lights, addition lights on system due to customer requests.

Expenditures	2024	2025	2026	2027	2028	Total
Purchases	10,300					10,300
Labor	3,996					3,996
<b>Total</b>	<b>14,296</b>					<b>14,296</b>

Funding Sources	2024	2025	2026	2027	2028	Total
Rplcmt Fund-Electric Infrastructure	14,296					14,296
<b>Total</b>	<b>14,296</b>					<b>14,296</b>

### Budget Impact/Other



# Capital Plan

2024 thru 2028

## Grand Rapids Public Utilities Commission

**Department** 1-Electric  
**Contact** Jeremy Goodell  
**Type** Unassigned  
**Useful Life** 30  
**Category** Electric System  
**Priority** 01 - Required  
**Status** Active

**Total Project Cost:** \$61,800

**Project #** ELEC2404

**Project Name** Overhead power line replacements and repairs

### Description

Overhead power line replacements and repairs

### Justification

Fund used for overhead power line replacements as designated by staff over the year. Used for smaller projects such as power pole replacements, replacing smaller infrastructure as needed.

Expenditures	2024	2025	2026	2027	2028	Total
Purchases	9,270					9,270
Labor	37,080					37,080
Inventory	15,450					15,450
<b>Total</b>	<b>61,800</b>					<b>61,800</b>

Funding Sources	2024	2025	2026	2027	2028	Total
Rplcmt Fund-Electric Infrastructure	61,800					61,800
<b>Total</b>	<b>61,800</b>					<b>61,800</b>

### Budget Impact/Other

# Capital Plan

2024 *thru* 2028

## Grand Rapids Public Utilities Commission

**Department** 1-Electric  
**Contact** Jeremy Goodell  
**Type** Unassigned  
**Useful Life** 30  
**Category** Electric System  
**Priority** 01 - Required  
**Status** Active

**Project #** ELEC2405  
**Project Name** Underground power line replacements and repairs

**Total Project Cost:** \$30,900

### Description

Underground power line replacements and repairs

### Justification

Fund used for underground power line replacements as designated by staff over the year. Used for smaller projects such as underground cable replacements, replacing smaller infrastructure as needed.

Expenditures	2024	2025	2026	2027	2028	Total
Purchases	4,635					4,635
Labor	18,540					18,540
Inventory	7,725					7,725
<b>Total</b>	<b>30,900</b>					<b>30,900</b>

Funding Sources	2024	2025	2026	2027	2028	Total
Rplcmt Fund-Electric Infrastructure	30,000					30,000
<b>Total</b>	<b>30,000</b>					<b>30,000</b>

### Budget Impact/Other

# Capital Plan

2024 thru 2028

**Department** 1-Electric  
**Contact** Jeremy Goodell  
**Type** Unassigned  
**Useful Life** 50  
**Category** Electric System  
**Priority** 01 - Required  
**Status** Active

## Grand Rapids Public Utilities Commission

**Project #** ELEC2406  
**Project Name** Distribution System Transformers

**Total Project Cost:** \$150,000

### Description

Transformer purchase.

### Justification

Purchase of replacement and new transformers allocated for new and upgraded services, failures, and service life replacements.

Expenditures	2024	2025	2026	2027	2028	Total
Inventory	150,000					150,000
<b>Total</b>	<b>150,000</b>					<b>150,000</b>

Funding Sources	2024	2025	2026	2027	2028	Total
Rplcmt Fund-Electric Infrastructure	150,000					150,000
<b>Total</b>	<b>150,000</b>					<b>150,000</b>

### Budget Impact/Other

# Capital Plan

2024 *thru* 2028

## Grand Rapids Public Utilities Commission

**Department** 1-Electric  
**Contact** Jeremy Goodell  
**Type** Unassigned  
**Useful Life** 50  
**Category** Electric System  
**Priority** 01 - Required  
**Status** Active

**Total Project Cost:** \$25,750

**Project #** ELEC2407  
**Project Name** Purchase of electric AMI meters

### Description

Purchase of electric AMI meters

### Justification

Replacement of malfunctioning meters, new electric service metes.  
 2S Disconnect meters:  $\$180.00 \times 100 = \$18000.00$   
 9S Electric Meters:  $\$525.00 \times 10 = \$5250.00$   
 Add other as needed: \$1750.00

Expenditures	2024	2025	2026	2027	2028	Total
Purchases	25,750					25,750
<b>Total</b>	<b>25,750</b>					<b>25,750</b>

Funding Sources	2024	2025	2026	2027	2028	Total
Rplcmt Fund-Electric Infrastructure	25,750					25,750
<b>Total</b>	<b>25,750</b>					<b>25,750</b>

### Budget Impact/Other

## Capital Plan

2024 *thru* 2028

### Grand Rapids Public Utilities Commission

**Department** 1-Electric  
**Contact** Jeremy Goodell  
**Type** Unassigned  
**Useful Life** 20  
**Category** Vehicles  
**Priority** 01 - Required  
**Status** Active

**Total Project Cost:** \$45,000

#### Description

Replace primary meter technician vehicle. 2009 F250

#### Justification

Aging vehicles require higher maintenance and no longer can be serviced.

Funding Sources	2024	2025	2026	2027	2028	Total
Rplcmt Fund-Electric Infrastructure	45,000					45,000
<b>Total</b>	<b>45,000</b>					<b>45,000</b>

#### Budget Impact/Other



# Capital Plan

2024 *thru* 2028

## Grand Rapids Public Utilities Commission

**Department** 1-Electric

**Contact** Jeremy Goodell

**Type** Unassigned

**Useful Life** 50

**Category** Electric System

**Priority** 01 - Required

**Status** Active

**Total Project Cost:** \$71,500

**Project #** ELEC2411

**Project Name** Inspect and replace power poles

### Description

Inspect and replace power poles

### Justification

Replace aging power poles prior to catastrophic failure. Damage and weakening of power poles caused by insect and fungal damage.

Expenditures	2024	2025	2026	2027	2028	Total
Labor	30,900					30,900
Contractor Labor	20,000					20,000
Inventory	20,600					20,600
<b>Total</b>	<b>71,500</b>					<b>71,500</b>

Funding Sources	2024	2025	2026	2027	2028	Total
Rplcmt Fund-Electric Infrastructure	71,500					71,500
<b>Total</b>	<b>71,500</b>					<b>71,500</b>

### Budget Impact/Other

## Capital Plan

2024 *thru* 2028

### Grand Rapids Public Utilities Commission

**Department** 1-Electric

**Contact** Jeremy Goodell

**Type** Unassigned

**Useful Life** 20

**Category** Vehicles

**Priority** 02 - Significant Need

**Status** Active

**Total Project Cost:** \$200,000

**Project #** ELEC2413

**Project Name** Replace Truck 63 Bucket Truck

#### Description

Replace Truck 63, large bucket truck.

#### Justification

This large daily use bucket truck will be reaching its end of use.

Expenditures	2024	2025	2026	2027	2028	Total
Purchases	200,000					200,000
<b>Total</b>	<b>200,000</b>					<b>200,000</b>

Funding Sources	2024	2025	2026	2027	2028	Total
Rplcmt Fund-Electric Infrastructure	200,000					200,000
<b>Total</b>	<b>200,000</b>					<b>200,000</b>

#### Budget Impact/Other

# Capital Plan

2024 *thru* 2028

**Department** 1-Electric  
**Contact** Jeremy Goodell

## Grand Rapids Public Utilities Commission

**Project #** ELEC2414  
**Project Name** Electric System Reliability Upgrades

**Type** Unassigned  
**Useful Life** 30  
**Category** Electric System  
**Priority** 02 - Significant Need  
**Status** Active

### Description

**Total Project Cost:** \$100,000

Increase reliability of electric distribution system

### Justification

Additional switches and infrastructure needs to increase reliability of electric system.

Labor: (\$41) x (970 hrs) = \$39,770

Inventory: \$39,600

Contractor Labor: \$10,000

Overhead/surveying/easements: \$2000

Vehicle Usage: (400 hrs) x (\$15/hr) = \$6000

Expenditures	2024	2025	2026	2027	2028	Total
Labor	40,800					40,800
Contractor Labor	10,400					10,400
Outside Services	2,000					2,000
Inventory	40,800					40,800
Vehicle Usage	6,000					6,000
<b>Total</b>	<b>100,000</b>					<b>100,000</b>

Funding Sources	2024	2025	2026	2027	2028	Total
Rplcmt Fund-Electric	100,000					100,000
Infrastructure						
<b>Total</b>	<b>100,000</b>					<b>100,000</b>

### Budget Impact/Other

## Capital Plan

2024 *thru* 2028

### Grand Rapids Public Utilities Commission

**Department** 1-Electric  
**Contact** Chad Troumbly  
**Type** Unassigned  
**Useful Life** 30  
**Category** Electric System  
**Priority** 01 - Required  
**Status** Active

**Project #** ELEC2415  
**Project Name** Crystal Springs Conversion

**Total Project Cost:** \$409,000

#### Description

Convert Crystal Springs single phase overhead distribution to underground from existing step down transformer to end of Stony Point Road.

#### Justification

Reduce outages caused by trees and squirrels on overhead electric distribution system.

Expenditures	2024	2025	2026	2027	2028	Total
Purchases		154,000				154,000
Labor		70,000				70,000
Contractor Labor		185,000				185,000
<b>Total</b>		<b>409,000</b>				<b>409,000</b>

Funding Sources	2024	2025	2026	2027	2028	Total
Rplcmt Fund-Electric Infrastructure		409,000				409,000
<b>Total</b>		<b>409,000</b>				<b>409,000</b>

#### Budget Impact/Other



# Capital Plan

2024 *thru* 2028

## Grand Rapids Public Utilities Commission

**Department** 1-Electric

**Contact** Chad Troumbly

**Type** Unassigned

**Useful Life** 30

**Category** Buildings

**Priority** 02 - Significant Need

**Status** Active

**Project #** ELEC2416

**Project Name** Building Storage

**Total Project Cost:** \$100,000

### Description

Building to store wire and other electrical

### Justification

Currently the innerduct and wire spools are outside in the weather. Spools are falling apart and innerduct gets degraded by sunlight.

Expenditures	2024	2025	2026	2027	2028	Total
Purchases	100,000					100,000
<b>Total</b>	<b>100,000</b>					<b>100,000</b>

Funding Sources	2024	2025	2026	2027	2028	Total
Rplcmt Fund-Elec share/business	100,000					100,000
<b>Total</b>	<b>100,000</b>					<b>100,000</b>

### Budget Impact/Other



# Capital Plan

2024 thru 2028

## Grand Rapids Public Utilities Commission

Department 1-Electric

Contact Chad Troumbly

Type Unassigned

Useful Life 25

Category Equipment

Priority 02 - Significant Need

Status Active

Total Project Cost: \$30,000

Project # ELEC2417

Project Name Woodchipper

### Description

Woodchipper for linecrew to tree trim

### Justification

Current one does not work very well and we use more labor fighting it. It does not have the newer required safety devices.

Expenditures	2024	2025	2026	2027	2028	Total
Purchases	30,000					30,000
<b>Total</b>	<b>30,000</b>					<b>30,000</b>

Funding Sources	2024	2025	2026	2027	2028	Total
Rplcmt Fund-Elec share/business	30,000					30,000
<b>Total</b>	<b>30,000</b>					<b>30,000</b>

### Budget Impact/Other

# Capital Plan

2024 *thru* 2028

## Grand Rapids Public Utilities Commission

**Department** 1-Electric

**Contact** Chad Troumbly

**Type** Unassigned

**Useful Life** 25

**Category** Equipment

**Priority** 01 - Required

**Status** Active

**Total Project Cost:** \$12,000

**Project #** ELEC2418

**Project Name** Dually Snow Plow

### Description

Replacement snow plow for the F550 flat bed/dump truck

### Justification

Current one is beatup (high maint) and not designed for the width of truck. Crew gets stuck driving over snow ridge. We use this to plow out the water and elect areas.

Expenditures	2024	2025	2026	2027	2028	Total
Purchases	12,000					12,000
<b>Total</b>	<b>12,000</b>					<b>12,000</b>

Funding Sources	2024	2025	2026	2027	2028	Total
Rplcmt Fund-Elec share/business	12,000					12,000
<b>Total</b>	<b>12,000</b>					<b>12,000</b>

### Budget Impact/Other

# Capital Plan

2024 *thru* 2028

## Grand Rapids Public Utilities Commission

**Department** 1-Electric

**Contact** Chad Troumbly

**Type** Unassigned

**Useful Life** 30

**Category** Electric System

**Priority** 02 - Significant Need

**Status** Active

**Total Project Cost:** \$310,000

<b>Project #</b>	ELEC2419
<b>Project Name</b>	7-17th Primary Underground

<b>Description</b>
Adding underground from 7th SE to 17th SE. Boring underground

<b>Justification</b>
<p>Resiliency for that area. This will allow us options to avoid outages. Additional path to industrial park with larger wire. Mostly wire and contractors, some terminations by elect crew.</p> <p>Labor: (\$45) x (222 hrs) = \$10,000  Inventory: \$150,000  Contractor Labor: \$ 150,000 (bore)  Overhead/surveying/easements: \$  Vehicle Usage: (400 hrs) x (\$15/hr) = \$</p>

Expenditures	2024	2025	2026	2027	2028	Total
Purchases	150,000					150,000
Labor	10,000					10,000
Contractor Labor	150,000					150,000
<b>Total</b>	<b>310,000</b>					<b>310,000</b>

Funding Sources	2024	2025	2026	2027	2028	Total
Rplcmt Fund-Electric Infrastructure	300,999					300,999
<b>Total</b>	<b>300,999</b>					<b>300,999</b>

<b>Budget Impact/Other</b>

# Capital Plan

2024 *thru* 2028

## Grand Rapids Public Utilities Commission

**Department** 1-Electric  
**Contact** Chad Troumbly  
**Type** Unassigned  
**Useful Life** 30  
**Category** Electric System  
**Priority** 02 - Significant Need  
**Status** Active

**Project #** ELEC2421

**Project Name** South Sub

**Total Project Cost:** \$60,000

### Description

Work around miss River, north of YMCA. Need easement

### Justification

Eliminates mixed voltages in that area

Labor: (\$45) x (111 hrs) = \$5000

Inventory: \$15,000

Contractor Labor: \$ 40,000 (bore)

Overhead/surveying/easements: \$

Vehicle Usage: (400 hrs) x (\$15/hr) = \$

Expenditures	2024	2025	2026	2027	2028	Total
Purchases	15,000					15,000
Labor	5,000					5,000
Contractor Labor	40,000					40,000
<b>Total</b>	<b>60,000</b>					<b>60,000</b>

Funding Sources	2024	2025	2026	2027	2028	Total
Rplcmt Fund-Elec share/business	60,000					60,000
<b>Total</b>	<b>60,000</b>					<b>60,000</b>

### Budget Impact/Other

# Capital Plan

2024 *thru* 2028

## Grand Rapids Public Utilities Commission

Department 1-Electric

Contact

Type Unassigned

Useful Life 5

Category Electric System

Priority 02 - Significant Need

Status Active

Project # ELEC2422

Project Name EV with charger

Total Project Cost: \$62,000

### Description

1/2 ton EV with charger. F150 is around 60 depending on options, level 2 charger under 2000

### Justification

replace aging vehicle and learn the challenges of Evs and how they will impact our system. We will use for TOU trials

Expenditures	2024	2025	2026	2027	2028	Total
Purchases	62,000					62,000
<b>Total</b>	<b>62,000</b>					<b>62,000</b>

Funding Sources	2024	2025	2026	2027	2028	Total
Rplcmt Fund-Electric Infrastructure	62,000					62,000
<b>Total</b>	<b>62,000</b>					<b>62,000</b>

### Budget Impact/Other



## Capital Plan

2024 *thru* 2028

### Grand Rapids Public Utilities Commission

**Department** 1-Electric  
**Contact** Chad Troumbly  
**Type** Unassigned  
**Useful Life** 20  
**Category** Electric System  
**Priority** 01 - Required  
**Status** Active

**Project #** ELEC2423

**Project Name** La Prairie Sub Battery

**Total Project Cost:** \$40,000

#### Description

New switchgear batteries and charger

#### Justification

Jeremy from MP noted our batteries are end of useful life

Expenditures	2024	2025	2026	2027	2028	Total
Purchases	40,000					40,000
<b>Total</b>	<b>40,000</b>					<b>40,000</b>

Funding Sources	2024	2025	2026	2027	2028	Total
Rplcmt Fund-Electric Infrastructure	40,000					40,000
<b>Total</b>	<b>40,000</b>					<b>40,000</b>

#### Budget Impact/Other

# Capital Plan

2024 *thru* 2028

## Grand Rapids Public Utilities Commission

**Department** 1-Electric

**Contact** Jeremy Goodell

**Type** Unassigned

**Useful Life** 30

**Category** Electric System

**Priority** 01 - Required

**Status** Active

**Project #** ELEC2501

**Project Name** Distribution System Services

**Total Project Cost:** \$40,000

### Description

New or upgraded electrical services. Customer receives \$1000 service allowance per service. Estimated 40 services per year.

### Justification

Account designated for the GRPUC share of new or upgraded services.

Cost to GRPU:

40 residential or commercial services per year x \$1000 service allowance = \$40,000

Revenue, amount over \$950 paid by customer, 10.451.0000: (15 services)x(\$1800 ea) = \$27,000 for residential. (6 commercial services)x(\$11,000 ea) = \$66,000

Expenditures	2024	2025	2026	2027	2028	Total
Purchases		40,000				40,000
<b>Total</b>		<b>40,000</b>				<b>40,000</b>

Funding Sources	2024	2025	2026	2027	2028	Total
Rplcmt Fund-Electric Infrastructure		40,000				40,000
<b>Total</b>		<b>40,000</b>				<b>40,000</b>

### Budget Impact/Other

# Capital Plan

2024 *thru* 2028

## Grand Rapids Public Utilities Commission

**Department** 1-Electric  
**Contact** Jeremy Goodell  
**Type** Unassigned  
**Useful Life** 30  
**Category** Electric System  
**Priority** 01 - Required  
**Status** Active

<b>Project #</b>	ELEC2503
<b>Project Name</b>	Distribution System Security Lighting

<b>Description</b>	<b>Total Project Cost:</b> \$14,725
Replacement costs of existing LED security light fixtures due to failures. Additional cost due to new customer requested lights.	

<b>Justification</b>
Failure of existing security lights, addition lights on system due to customer requests.

Expenditures	2024	2025	2026	2027	2028	Total
Purchases		10,609				10,609
Labor		4,116				4,116
<b>Total</b>		<b>14,725</b>				<b>14,725</b>

Funding Sources	2024	2025	2026	2027	2028	Total
Rplcmt Fund-Electric Infrastructure		14,725				14,725
<b>Total</b>		<b>14,725</b>				<b>14,725</b>

<b>Budget Impact/Other</b>

Capital Plan  
Grand Rapids Public Utilities Commission

2024 thru 2028

Department 1-Electric  
Contact Jeremy Goodell  
Type Unassigned  
Useful Life 30  
Category Electric System  
Priority 01 - Required  
Status Active

Project # ELEC2504  
Project Name Overhead power line replacements and repairs

Description

Total Project Cost: \$63,654

Overhead power line replacements and repairs

Justification

Fund used for overhead power line replacements as designated by staff over the year. Used for smaller projects such as power pole replacements, replacing smaller infrastructure as needed.

Expenditures	2024	2025	2026	2027	2028	Total
Purchases		9,548				9,548
Labor		38,192				38,192
Inventory		15,914				15,914
Total		63,654				63,654

Funding Sources	2024	2025	2026	2027	2028	Total
Rplcmt Fund-Electric Infrastructure		63,654				63,654
Total		63,654				63,654

Budget Impact/Other

# Capital Plan

2024 *thru* 2028

## Grand Rapids Public Utilities Commission

**Department** 1-Electric  
**Contact** Jeremy Goodell  
**Type** Unassigned  
**Useful Life** 30  
**Category** Electric System  
**Priority** 01 - Required  
**Status** Active

<b>Project #</b>	ELEC2505
<b>Project Name</b>	Underground power line replacements and repairs

**Total Project Cost:** \$31,827

<b>Description</b>
Underground power line replacements and repairs

<b>Justification</b>
Fund used for underground power line replacements as designated by staff over the year. Used for smaller projects such as underground cable replacements, replacing smaller infrastructure as needed.

Expenditures	2024	2025	2026	2027	2028	Total
Purchases		4,774				4,774
Labor		19,096				19,096
Inventory		7,957				7,957
<b>Total</b>		<b>31,827</b>				<b>31,827</b>

Funding Sources	2024	2025	2026	2027	2028	Total
Rplcmt Fund-Electric Infrastructure		31,827				31,827
<b>Total</b>		<b>31,827</b>				<b>31,827</b>

<b>Budget Impact/Other</b>



# Capital Plan

2024 *thru* 2028

## Grand Rapids Public Utilities Commission

**Department** 1-Electric  
**Contact** Jeremy Goodell  
**Type** Unassigned  
**Useful Life** 50  
**Category** Electric System  
**Priority** 01 - Required  
**Status** Active

**Project #** ELEC2506  
**Project Name** Distribution System Transformers

**Total Project Cost:** \$150,000

### Description

Transformer purchase.

### Justification

Purchase of replacement and new transformers allocated for new and upgraded services, failures, and service life replacements.

Expenditures	2024	2025	2026	2027	2028	Total
Inventory		150,000				150,000
<b>Total</b>		<b>150,000</b>				<b>150,000</b>

Funding Sources	2024	2025	2026	2027	2028	Total
Rplcmt Fund-Electric Infrastructure		150,000				150,000
<b>Total</b>		<b>150,000</b>				<b>150,000</b>

### Budget Impact/Other

# Capital Plan

2024 *thru* 2028

## Grand Rapids Public Utilities Commission

**Department** 1-Electric

**Contact** Jeremy Goodell

**Type** Unassigned

**Useful Life** 50

**Category** Electric System

**Priority** 01 - Required

**Status** Active

**Total Project Cost:** \$26,523

**Project #** ELEC2507

**Project Name** Purchase of electric AMI meters

### Description

Purchase of electric AMI meters

### Justification

Replacement of malfunctioning meters, new electric service metes.

2S Disconnect meters: \$180.00 x 100 = \$18000.00

9S Electric Meters: \$525.00 x 10 = \$5250.00

Add other as needed: \$1750.00

Expenditures	2024	2025	2026	2027	2028	Total
Purchases		26,523				26,523
<b>Total</b>		<b>26,523</b>				<b>26,523</b>

Funding Sources	2024	2025	2026	2027	2028	Total
Rplcmt Fund-Electric Infrastructure		26,523				26,523
<b>Total</b>		<b>26,523</b>				<b>26,523</b>

### Budget Impact/Other

Capital Plan

Grand Rapids Public Utilities Commission

2024 thru 2028

Department 1-Electric  
Contact Jeremy Goodell  
Type Unassigned  
Useful Life 30  
Category Electric System  
Priority 01 - Required  
Status Active

Project # ELEC2510

Project Name Convert SW Grand Rapids to Underground

Total Project Cost: \$200,000

Description

Convert SW Grand Rapids to underground

Justification

Reduce outages caused by trees and squirrels on overhead electric distribution system.

Expenditures	2024	2025	2026	2027	2028	Total
Purchases		80,000				80,000
Labor		60,000				60,000
Contractor Labor		60,000				60,000
Total		200,000				200,000

Funding Sources	2024	2025	2026	2027	2028	Total
Rplcmt Fund-Electric Infrastructure		200,000				200,000
Total		200,000				200,000

Budget Impact/Other

# Capital Plan

2024 *thru* 2028

## Grand Rapids Public Utilities Commission

**Department** 1-Electric  
**Contact** Jeremy Goodell  
**Type** Unassigned  
**Useful Life** 50  
**Category** Electric System  
**Priority** 01 - Required  
**Status** Active

<b>Project #</b>	ELEC2511
<b>Project Name</b>	Inspect and replace power poles

**Total Project Cost:** \$53,045

<b>Description</b>
Inspect and replace power poles

<b>Justification</b>
Replace aging power poles prior to catastrophic failure. Damage and weakening of power poles caused by insect and fungal damage.

Expenditures	2024	2025	2026	2027	2028	Total
Labor		31,827				31,827
Inventory		21,218				21,218
<b>Total</b>		<b>53,045</b>				<b>53,045</b>

Funding Sources	2024	2025	2026	2027	2028	Total
Rplcmt Fund-Electric Infrastructure		53,045				53,045
<b>Total</b>		<b>53,045</b>				<b>53,045</b>

<b>Budget Impact/Other</b>

# Capital Plan

2024 *thru* 2028

## Grand Rapids Public Utilities Commission

**Department** 1-Electric  
**Contact** Jeremy Goodell  
**Type** Unassigned  
**Useful Life** 30  
**Category** Electric System  
**Priority** 01 - Required  
**Status** Active

**Project #** ELEC2512  
**Project Name** Convert 7200 volt systems to 23 Kv

**Total Project Cost:** \$100,000

### Description

Convert 7200 volt systems to 23 kV system.

### Justification

Reduces reliance on step down transformers, reduces requirement to keep 7200 volt distribution transformers in stock.

Expenditures	2024	2025	2026	2027	2028	Total
Labor		40,000				40,000
Inventory		60,000				60,000
<b>Total</b>		<b>100,000</b>				<b>100,000</b>

Funding Sources	2024	2025	2026	2027	2028	Total
Rplcmt Fund-Electric Infrastructure		100,000				100,000
<b>Total</b>		<b>100,000</b>				<b>100,000</b>

### Budget Impact/Other



# Capital Plan

2024 *thru* 2028

## Grand Rapids Public Utilities Commission

**Department** 1-Electric  
**Contact** Jeremy Goodell  
**Type** Unassigned  
**Useful Life** 30  
**Category** Electric System  
**Priority** 01 - Required  
**Status** Active

**Project #** ELEC2513

**Project Name** Overhead to Underground Conversions

**Total Project Cost:** \$200,000

### Description

Convert overhead distribution systems to underground.

### Justification

Reduce outages caused by trees and squirrels on overhead electric distribution system.

Expenditures	2024	2025	2026	2027	2028	Total
Purchases		80,000				80,000
Labor		60,000				60,000
Contractor Labor		60,000				60,000
<b>Total</b>		<b>200,000</b>				<b>200,000</b>

Funding Sources	2024	2025	2026	2027	2028	Total
Rplcmt Fund-Electric Infrastructure		200,000				200,000
<b>Total</b>		<b>200,000</b>				<b>200,000</b>

### Budget Impact/Other

## Capital Plan

2024 *thru* 2028

### Grand Rapids Public Utilities Commission

**Department** 1-Electric

**Contact** Chad Troumbly

**Type** Unassigned

**Useful Life** 20

**Category** Electric System

**Priority** 02 - Significant Need

**Status** Active

**Project #** ELEC2514

**Project Name** Spool Trailer

**Total Project Cost:** \$12,000

#### Description

Self loading spool trailer.

#### Justification

Eliminated the digger and larger crew having to load

Expenditures	2024	2025	2026	2027	2028	Total
Purchases		12,000				12,000
<b>Total</b>		<b>12,000</b>				<b>12,000</b>

Funding Sources	2024	2025	2026	2027	2028	Total
Rplcmt Fund-Electric Infrastructure		12,000				12,000
<b>Total</b>		<b>12,000</b>				<b>12,000</b>

#### Budget Impact/Other

# Capital Plan

2024 *thru* 2028

## Grand Rapids Public Utilities Commission

**Department** 1-Electric  
**Contact** Jeremy Goodell  
**Type** Unassigned  
**Useful Life** 30  
**Category** Electric System  
**Priority** 01 - Required  
**Status** Active

**Project #** ELEC2601  
**Project Name** Distribution System Services

**Total Project Cost:** \$40,000

### Description

New or upgraded electrical services. Customer receives \$1000 service allowance per service. Estimated 40 services per year.

### Justification

Account designated for the GRPUC share of new or upgraded services.

Cost to GRPU:

40 residentia or commercial services per year x \$1000 service allowance = \$40,000

Revenue, amount over \$950 paid by customer, 10.451.0000: (15 services)x(\$1800 ea) = \$27,000 for residential. (6 commercial services)x(\$11,000 ea) = \$66,000

Expenditures	2024	2025	2026	2027	2028	Total
Purchases			40,000			40,000
<b>Total</b>			<b>40,000</b>			<b>40,000</b>

Funding Sources	2024	2025	2026	2027	2028	Total
Rplcmt Fund-Electric Infrastructure			40,000			40,000
<b>Total</b>			<b>40,000</b>			<b>40,000</b>

### Budget Impact/Other

Capital Plan  
Grand Rapids Public Utilities Commission

2024 thru 2028

Department 1-Electric  
Contact Jeremy Goodell  
Type Unassigned  
Useful Life 30  
Category Electric System  
Priority 01 - Required  
Status Active

Project # ELEC2603

Project Name Distribution System Security Lighting

Total Project Cost: \$15,167

Description

Replacement costs of existing LED security light fixtures due to failures. Additional cost due to new customer requested lights.

Justification

Failure of existing security lights, addition lights on system due to customer requests.

Expenditures	2024	2025	2026	2027	2028	Total
Purchases			10,927			10,927
Labor			4,240			4,240
Total			15,167			15,167

Funding Sources	2024	2025	2026	2027	2028	Total
Rplcmt Fund-Electric Infrastructure			15,167			15,167
Total			15,167			15,167

Budget Impact/Other

# Capital Plan

2024 *thru* 2028

## Grand Rapids Public Utilities Commission

**Department** 1-Electric  
**Contact** Jeremy Goodell  
**Type** Unassigned  
**Useful Life** 30  
**Category** Electric System  
**Priority** 01 - Required  
**Status** Active

**Project #** ELEC2604  
**Project Name** Overhead power line replacements and repairs

**Total Project Cost:** \$65,564

**Description**  
 Overhead power line replacements and repairs

**Justification**  
 Fund used for overhead power line replacements as designated by staff over the year. Used for smaller projects such as power pole replacements, replacing smaller infrastructure as needed.

Expenditures	2024	2025	2026	2027	2028	Total
Purchases			9,835			9,835
Labor			39,338			39,338
Inventory			16,391			16,391
<b>Total</b>			<b>65,564</b>			<b>65,564</b>

Funding Sources	2024	2025	2026	2027	2028	Total
Rplcmt Fund-Electric Infrastructure			65,564			65,564
<b>Total</b>			<b>65,564</b>			<b>65,564</b>

**Budget Impact/Other**



# Capital Plan

2024 thru 2028

## Grand Rapids Public Utilities Commission

Department 1-Electric

Contact Jeremy Goodell

Type Unassigned

Useful Life 30

Category Electric System

Priority 01 - Required

Status Active

Total Project Cost: \$32,781

Project # ELEC2605

Project Name Underground power line replacements and repairs

### Description

Underground power line replacements and repairs

### Justification

Fund used for underground power line replacements as designated by staff over the year. Used for smaller projects such as underground cable replacements, replacing smaller infrastructure as needed.

Expenditures	2024	2025	2026	2027	2028	Total
Purchases			4,917			4,917
Labor			19,669			19,669
Inventory			8,195			8,195
<b>Total</b>			<b>32,781</b>			<b>32,781</b>

Funding Sources	2024	2025	2026	2027	2028	Total
Rplcmt Fund-Electric Infrastructure			32,781			32,781
<b>Total</b>			<b>32,781</b>			<b>32,781</b>

### Budget Impact/Other

# Capital Plan

2024 *thru* 2028

## Grand Rapids Public Utilities Commission

**Department** 1-Electric  
**Contact** Jeremy Goodell  
**Type** Unassigned  
**Useful Life** 50  
**Category** Electric System  
**Priority** 01 - Required  
**Status** Active

<b>Project #</b>	ELEC2606
<b>Project Name</b>	Distribution System Transformers

**Total Project Cost:** \$150,000

<b>Description</b>
Transformer purchase.

<b>Justification</b>
Purchase of replacement and new transformers allocated for new and upgraded services, failures, and service life replacements.

Expenditures	2024	2025	2026	2027	2028	Total
Inventory			150,000			150,000
<b>Total</b>			150,000			150,000

Funding Sources	2024	2025	2026	2027	2028	Total
Rplcmt Fund-Electric Infrastructure			150,000			150,000
<b>Total</b>			150,000			150,000

<b>Budget Impact/Other</b>

# Capital Plan

2024 *thru* 2028

## Grand Rapids Public Utilities Commission

**Department** 1-Electric  
**Contact** Jeremy Goodell  
**Type** Unassigned  
**Useful Life** 50  
**Category** Electric System  
**Priority** 01 - Required  
**Status** Active

<b>Project #</b>	ELEC2607
<b>Project Name</b>	Purchase of electric AMI meters

**Total Project Cost:** \$27,318

<b>Description</b>
Purchase of electric AMI meters

<b>Justification</b>
Replacement of malfunctioning meters, new electric service metes. 2S Disconnect meters: \$180.00 x 100 = \$18000.00 9S Electric Meters: \$525.00 x 10 = \$5250.00 Add other as needed: \$1750.00

Expenditures	2024	2025	2026	2027	2028	Total
Purchases			27,318			27,318
<b>Total</b>			27,318			27,318

Funding Sources	2024	2025	2026	2027	2028	Total
Rplcmt Fund-Electric Infrastructure			27,318			27,318
<b>Total</b>			27,318			27,318

<b>Budget Impact/Other</b>

# Capital Plan

2024 *thru* 2028

## Grand Rapids Public Utilities Commission

**Department** 1-Electric

**Contact** Jeremy Goodell

**Type** Unassigned

**Useful Life** 30

**Category** Electric System

**Priority** 01 - Required

**Status** Active

**Total Project Cost:** \$200,000

**Project #** ELEC2610

**Project Name** Convert SW Grand Rapids to Underground

### Description

Convert SW Grand Rapids to underground

### Justification

Reduce outages caused by trees and squirrels on overhead electric distribution system.

Expenditures	2024	2025	2026	2027	2028	Total
Purchases			80,000			80,000
Labor			60,000			60,000
Contractor Labor			60,000			60,000
<b>Total</b>			<b>200,000</b>			<b>200,000</b>

Funding Sources	2024	2025	2026	2027	2028	Total
Rplcmt Fund-Electric Infrastructure			200,000			200,000
<b>Total</b>			<b>200,000</b>			<b>200,000</b>

### Budget Impact/Other

# Capital Plan

2024 *thru* 2028

## Grand Rapids Public Utilities Commission

**Department** 1-Electric  
**Contact** Jeremy Goodell  
**Type** Unassigned  
**Useful Life** 50  
**Category** Electric System  
**Priority** 01 - Required  
**Status** Active

**Project #** ELEC2611  
**Project Name** Inspect and replace power poles

**Total Project Cost:** \$54,637

### Description

Inspect and replace power poles

### Justification

Replace aging power poles prior to catastrophic failure. Damage and weakening of power poles caused by insect and fungal damage.

Expenditures	2024	2025	2026	2027	2028	Total
Labor			32,782			32,782
Inventory			21,855			21,855
<b>Total</b>			<b>54,637</b>			<b>54,637</b>

Funding Sources	2024	2025	2026	2027	2028	Total
Rplcmt Fund-Electric Infrastructure			54,637			54,637
<b>Total</b>			<b>54,637</b>			<b>54,637</b>

### Budget Impact/Other



# Capital Plan

2024 *thru* 2028

## Grand Rapids Public Utilities Commission

**Department** 1-Electric  
**Contact** Jeremy Goodell  
**Type** Unassigned  
**Useful Life** 30  
**Category** Electric System  
**Priority** 01 - Required  
**Status** Active

<b>Project #</b>	ELEC2612
<b>Project Name</b>	Convert 7200 volt systems to 23 Kv

<b>Description</b>	<b>Total Project Cost:</b> \$100,000
Convert 7200 volt systems to 23 kV system.	

<b>Justification</b>
Reduces reliance on step down transformers, reduces requirement to keep 7200 volt distrubution transformers in stock.

Expenditures	2024	2025	2026	2027	2028	Total
Labor			40,000			40,000
Inventory			60,000			60,000
<b>Total</b>			<b>100,000</b>			<b>100,000</b>

  

Funding Sources	2024	2025	2026	2027	2028	Total
Rplcmt Fund-Electric Infrastructure			100,000			100,000
<b>Total</b>			<b>100,000</b>			<b>100,000</b>

<b>Budget Impact/Other</b>

# Capital Plan

2024 *thru* 2028

## Grand Rapids Public Utilities Commission

**Department** 1-Electric  
**Contact** Jeremy Goodell  
**Type** Unassigned  
**Useful Life** 30  
**Category** Electric System  
**Priority** 01 - Required  
**Status** Active

**Project #** ELEC2613

**Project Name** Overhead to Underground Conversions

**Total Project Cost:** \$200,000

### Description

Convert overhead distribution systems to underground.

### Justification

Reduce outages caused by trees and squirrels on overhead electric distribution system.

Expenditures	2024	2025	2026	2027	2028	Total
Purchases			80,000			80,000
Labor			60,000			60,000
Contractor Labor			60,000			60,000
<b>Total</b>			<b>200,000</b>			<b>200,000</b>

Funding Sources	2024	2025	2026	2027	2028	Total
Rplcmt Fund-Electric Infrastructure			200,000			200,000
<b>Total</b>			<b>200,000</b>			<b>200,000</b>

### Budget Impact/Other

# Capital Plan

2024 *thru* 2028

## Grand Rapids Public Utilities Commission

**Department** 1-Electric  
**Contact** Jeremy Goodell  
**Type** Unassigned  
**Useful Life** 30  
**Category** Electric System  
**Priority** 01 - Required  
**Status** Active

**Project #** ELEC2701  
**Project Name** Distribution System Services

**Total Project Cost:** \$40,000

### Description

New or upgraded electrical services. Customer receives \$1000 service allowance per service. Estimated 40 services per year.

### Justification

Account designated for the GRPUC share of new or upgraded services.

Cost to GRPU:

40 residentia or commercial services per year x \$1000 service allowance = \$40,000

Revenue, amount over \$950 paid by customer, 10.451.0000: (15 services)x(\$1800 ea) = \$27,000 for residential. (6 commercial services)x(\$11,000 ea) = \$66,000

Expenditures	2024	2025	2026	2027	2028	Total
Purchases				40,000		40,000
<b>Total</b>				40,000		40,000

Funding Sources	2024	2025	2026	2027	2028	Total
Rplcmt Fund-Electric Infrastructure				40,000		40,000
<b>Total</b>				40,000		40,000

### Budget Impact/Other

# Capital Plan

2024 thru 2028

## Grand Rapids Public Utilities Commission

**Department** 1-Electric  
**Contact** Jeremy Goodell  
**Type** Unassigned  
**Useful Life** 30  
**Category** Electric System  
**Priority** 01 - Required  
**Status** Active

**Project #** ELEC2702

**Project Name** Distribution System Dual Fuel Services

**Total Project Cost:** \$2,881

### Description

New or upgraded electrical services. Customer receives \$1000 service allowance per service. Estimated 40 services per year.

### Justification

Account designated for the GRPUC share of new or upgraded services.

Cost to GRPU:

40 residential or commercial services per year x \$1000 service allowance = \$40,000

Revenue, amount over \$950 paid by customer, 10.451.0000: (15 services)x(\$1800 ea) = \$27,000 for residential. (6 commercial services)x(\$11,000 ea) = \$66,000

Expenditures	2024	2025	2026	2027	2028	Total
Labor				461		461
Inventory				2,251		2,251
Vehicle Usage				169		169
<b>Total</b>				<b>2,881</b>		<b>2,881</b>

Funding Sources	2024	2025	2026	2027	2028	Total
Rplcmt Fund-Electric Infrastructure				2,881		2,881
<b>Total</b>				<b>2,881</b>		<b>2,881</b>

### Budget Impact/Other

## Capital Plan

2024 *thru* 2028

### Grand Rapids Public Utilities Commission

**Department** 1-Electric  
**Contact** Jeremy Goodell  
**Type** Unassigned  
**Useful Life** 30  
**Category** Electric System  
**Priority** 01 - Required  
**Status** Active

**Project #** ELEC2703

**Project Name** Distribution System Security Lighting

**Total Project Cost:** \$15,622

#### Description

Replacement costs of existing LED security light fixtures due to failures. Additional cost due to new customer requested lights.

#### Justification

Failure of existing security lights, addition lights on system due to customer requests.

Expenditures	2024	2025	2026	2027	2028	Total
Purchases				11,255		11,255
Labor				4,367		4,367
<b>Total</b>				<b>15,622</b>		<b>15,622</b>

Funding Sources	2024	2025	2026	2027	2028	Total
Rplcmt Fund-Electric				15,622		15,622
Infrastructure						
<b>Total</b>				<b>15,622</b>		<b>15,622</b>

#### Budget Impact/Other



# Capital Plan

2024 *thru* 2028

## Grand Rapids Public Utilities Commission

**Department** 1-Electric  
**Contact** Jeremy Goodell  
**Type** Unassigned  
**Useful Life** 30  
**Category** Electric System  
**Priority** 01 - Required  
**Status** Active

<b>Project #</b>	ELEC2704
<b>Project Name</b>	Overhead power line replacements and repairs

**Total Project Cost:** \$67,531

<b>Description</b>
Overhead power line replacements and repairs

<b>Justification</b>
Fund used for overhead power line replacements as designated by staff over the year. Used for smaller projects such as power pole replacements, replacing smaller infrastructure as needed.

Expenditures	2024	2025	2026	2027	2028	Total
Purchases				10,130		10,130
Labor				40,518		40,518
Inventory				16,883		16,883
<b>Total</b>				<b>67,531</b>		<b>67,531</b>

Funding Sources	2024	2025	2026	2027	2028	Total
Rplcmt Fund-Electric Infrastructure				67,531		67,531
<b>Total</b>				<b>67,531</b>		<b>67,531</b>

<b>Budget Impact/Other</b>

Capital Plan  
Grand Rapids Public Utilities Commission

2024 *thru* 2028

**Department** 1-Electric  
**Contact** Jeremy Goodell  
**Type** Unassigned  
**Useful Life** 30  
**Category** Electric System  
**Priority** 01 - Required  
**Status** Active

**Project #** ELEC2705  
**Project Name** Underground power line replacements and repairs

**Total Project Cost:** \$33,765

**Description**

Underground power line replacements and repairs

**Justification**

Fund used for underground power line replacements as designated by staff over the year. Used for smaller projects such as underground cable replacements, replacing smaller infrastructure as needed.

Expenditures	2024	2025	2026	2027	2028	Total
Purchases				5,065		5,065
Labor				20,259		20,259
Inventory				8,441		8,441
<b>Total</b>				<b>33,765</b>		<b>33,765</b>

Funding Sources	2024	2025	2026	2027	2028	Total
Rplcmt Fund-Electric Infrastructure				33,765		33,765
<b>Total</b>				<b>33,765</b>		<b>33,765</b>

**Budget Impact/Other**

## Capital Plan

2024 *thru* 2028

### Grand Rapids Public Utilities Commission

**Department** 1-Electric  
**Contact** Jeremy Goodell  
**Type** Unassigned  
**Useful Life** 50  
**Category** Electric System  
**Priority** 01 - Required  
**Status** Active

**Project #** ELEC2706  
**Project Name** Distribution System Transformers

**Total Project Cost:** \$150,000

#### Description

Transformer purchase.

#### Justification

Purchase of replacement and new transformers allocated for new and upgraded services, failures, and service life replacements.

Expenditures	2024	2025	2026	2027	2028	Total
Inventory				150,000		150,000
<b>Total</b>				150,000		150,000

Funding Sources	2024	2025	2026	2027	2028	Total
Rplcmt Fund-Electric Infrastructure				150,000		150,000
<b>Total</b>				150,000		150,000

#### Budget Impact/Other

# Capital Plan

2024 *thru* 2028

## Grand Rapids Public Utilities Commission

**Department** 1-Electric  
**Contact** Jeremy Goodell  
**Type** Unassigned  
**Useful Life** 50  
**Category** Electric System  
**Priority** 01 - Required  
**Status** Active

**Project #** ELEC2707  
**Project Name** Purchase of electric AMI meters

**Total Project Cost:** \$28,138

**Description**  
 Purchase of electric AMI meters

**Justification**  
 Replacement of malfunctioning meters, new electric service metes.  
 2S Disconnect meters: \$180.00 x 100 = \$18000.00  
 9S Electric Meters: \$525.00 x 10 = \$5250.00  
 Add other as needed: \$1750.00

Expenditures	2024	2025	2026	2027	2028	Total
Purchases				28,138		28,138
<b>Total</b>				28,138		28,138

Funding Sources	2024	2025	2026	2027	2028	Total
Rplcmt Fund-Electric Infrastructure				28,138		28,138
<b>Total</b>				28,138		28,138

**Budget Impact/Other**

# Capital Plan

2024 *thru* 2028

## Grand Rapids Public Utilities Commission

**Department** 1-Electric  
**Contact** Jeremy Goodell  
**Type** Unassigned  
**Useful Life** 50  
**Category** Electric System  
**Priority** 01 - Required  
**Status** Active

<b>Project #</b>	ELEC2711
<b>Project Name</b>	Inspect and replace power poles

<b>Description</b>	<b>Total Project Cost:</b> \$56,275
Inspect and replace power poles	

<b>Justification</b>
Replace aging power poles prior to catastrophic failure. Damage and weakening of power poles caused by insect and fungal damage.

Expenditures	2024	2025	2026	2027	2028	Total
Labor				33,765		33,765
Inventory				22,510		22,510
<b>Total</b>				<b>56,275</b>		<b>56,275</b>

Funding Sources	2024	2025	2026	2027	2028	Total
Rplcmt Fund-Electric Infrastructure				56,275		56,275
<b>Total</b>				<b>56,275</b>		<b>56,275</b>

<b>Budget Impact/Other</b>



# Capital Plan

## Grand Rapids Public Utilities Commission

2024 *thru* 2028

**Department** 1-Electric  
**Contact** Jeremy Goodell  
**Type** Unassigned  
**Useful Life** 30  
**Category** Electric System  
**Priority** 01 - Required  
**Status** Active

**Project #** ELEC2712  
**Project Name** Convert 7200 volt systems to 23 Kv

**Total Project Cost:** \$100,000

### Description

Convert 7200 volt systems to 23 kV system.

### Justification

Reduces reliance on step down transformers, reduces requirement to keep 7200 volt distribution transformers in stock.

Expenditures	2024	2025	2026	2027	2028	Total
Labor				40,000		40,000
Inventory				60,000		60,000
<b>Total</b>				<b>100,000</b>		<b>100,000</b>

Funding Sources	2024	2025	2026	2027	2028	Total
Rplcmt Fund-Electric Infrastructure				100,000		100,000
<b>Total</b>				<b>100,000</b>		<b>100,000</b>

### Budget Impact/Other

## Capital Plan

2024 *thru* 2028

### Grand Rapids Public Utilities Commission

**Department** 1-Electric

**Contact** Jeremy Goodell

**Project #** ELEC2713

**Type** Unassigned

**Project Name** Overhead to Underground Conversions

**Useful Life** 30

**Category** Electric System

**Priority** 01 - Required

**Status** Active

**Total Project Cost:** \$400,000

#### Description

Convert overhead distribution systems to underground.

#### Justification

Reduce outages caused by trees and squirrels on overhead electric distribution system.

Expenditures	2024	2025	2026	2027	2028	Total
Purchases				160,000		160,000
Labor				120,000		120,000
Contractor Labor				120,000		120,000
<b>Total</b>				<b>400,000</b>		<b>400,000</b>

Funding Sources	2024	2025	2026	2027	2028	Total
Rplcmt Fund-Electric Infrastructure				400,000		400,000
<b>Total</b>				<b>400,000</b>		<b>400,000</b>

#### Budget Impact/Other

# Capital Plan

2024 *thru* 2028

## Grand Rapids Public Utilities Commission

**Department** 1-Electric

**Contact**

**Type** Unassigned

**Useful Life** 30

**Category** Electric System

**Priority** 03 - Moderate Need

**Status** Active

**Total Project Cost:** \$410,000

**Project #** ELEC2810

**Project Name** Extend Feeder 320 from 7th Street to 17th Street

### Description

Extend Feeder 320 from Veterans Park Switches to SE 17th Street.

### Justification

This will provide a second feeder for the south half of GRPUC's service area. It will also provide a backup feeder for the main Feeder 320 river crossing as well as a backup for Feeder 328 which powers the waste water treatment plant.

Expenditures	2024	2025	2026	2027	2028	Total
Purchases					175,000	175,000
Labor					200,000	200,000
Outside Services					35,000	35,000
<b>Total</b>					<b>410,000</b>	<b>410,000</b>

Funding Sources	2024	2025	2026	2027	2028	Total
Rplcmt Fund-Electric Infrastructure					410,000	410,000
<b>Total</b>					<b>410,000</b>	<b>410,000</b>

### Budget Impact/Other

# Capital Plan

2024 *thru* 2028

## Grand Rapids Public Utilities Commission

Department 2-Water

Contact

Project # WATR2002

Project Name City Project - 3rd Ave NE (5th-8th) & 7th S. NE

Type Unassigned

Useful Life 50

Category Water System

Priority 03 - Moderate Need

Status Active

Total Project Cost: \$790,000

### Description

City Project 2024/2010-1  
3rd Ave. NE Feasibility Report. Water main is 4-inch CIP.  
  
Watermain Replacement 3rd Ave. NE (5th-8th)

### Justification

City of Grand Rapids  
3rd Ave. Feasibility Report

Expenditures	2024	2025	2026	2027	2028	Total
Contractor Labor	790,000					790,000
<b>Total</b>	<b>790,000</b>					<b>790,000</b>

Funding Sources	2024	2025	2026	2027	2028	Total
Rplcmt Fund-Water Infrastructure	790,000					790,000
<b>Total</b>	<b>790,000</b>					<b>790,000</b>

### Budget Impact/Other

Budget Items	2024	2025	2026	2027	2028	Total
Capital Projects	790,000					790,000
<b>Total</b>	<b>790,000</b>					<b>790,000</b>



# Capital Plan

2024 *thru* 2028

## Grand Rapids Public Utilities Commission

**Department** 2-Water

**Contact** Steve Mattson

**Type** Unassigned

**Useful Life** 20

**Category** Water System

**Priority** 02 - Significant Need

**Status** Active

**Project #** WATR2005

**Project Name** High Service Pump Control Improvement

**Total Project Cost:** \$212,120

### Description

The clay valves used on the high service pump discharges are beyond their useful life and parts are obsolete. Installing a VFD, swing check valve and an isolation valve will improve and smooth out the performance of the system.

### Justification

Aged clay valves are causing issues with pressure control of the high service pumps and must be replaced.

Expenditures	2024	2025	2026	2027	2028	Total
Purchases	20,000	30,000				50,000
Labor	40,000	30,000				70,000
<b>Total</b>	<b>60,000</b>	<b>60,000</b>				<b>120,000</b>

Funding Sources	2024	2025	2026	2027	2028	Total
Rplcmt Fund-Water Infrastructure	60,000	60,000				120,000
<b>Total</b>	<b>60,000</b>	<b>60,000</b>				<b>120,000</b>

### Budget Impact/Other

VFD = 22000  
Check Valve = 7600  
Butterfly = 7800  
Piping Parts = 2500.00  
Labor Setup (12 hrs @ \$151) = \$1812  
Labor Install (12 hrs @ \$106) = \$1272  
Labor Electric (120 hrs @ \$80) = \$9600  
Contingency (5%) = \$2500

Budget Items	2024	2025	2026	2027	2028	Total
Capital Projects	60,000	60,000				120,000
<b>Total</b>	<b>60,000</b>	<b>60,000</b>				<b>120,000</b>



## Capital Plan

2024 *thru* 2028

### Grand Rapids Public Utilities Commission

**Department** 2-Water

**Contact** Steve Mattson

**Type** Unassigned

**Useful Life** 50

**Category** City Construction or Reconstru

**Priority** 03 - Moderate Need

**Status** Active

**Total Project Cost:** \$362,500

**Project #** WATR2101

**Project Name** City Project - Ha-Car Neighborhood SE, Phase 1

#### Description

City Project 2025/2021-1  
Street Reconstruction, water and sewer replacement

#### Justification

City of Grand Rapids Feasibility Report

Expenditures	2024	2025	2026	2027	2028	Total
Contractor Labor					362,500	362,500
<b>Total</b>					<b>362,500</b>	<b>362,500</b>

Funding Sources	2024	2025	2026	2027	2028	Total
Rplcmt Fund-Water Infrastructure					362,500	362,500
<b>Total</b>					<b>362,500</b>	<b>362,500</b>

#### Budget Impact/Other

Budget Items	2024	2025	2026	2027	2028	Total
Capital Projects					362,500	362,500
<b>Total</b>					<b>362,500</b>	<b>362,500</b>

# Capital Plan

2024 *thru* 2028

## Grand Rapids Public Utilities Commission

**Department** 2-Water  
**Contact** Steve Mattson  
**Type** Unassigned  
**Useful Life** 10  
**Category** Water System  
**Priority** 03 - Moderate Need  
**Status** Active

**Project #** WATR2203  
**Project Name** Hydrant Meters

**Total Project Cost:** \$35,160

### Description

Hydrant meters are an essential part of the customers requests to be able to access bulk water. New water hydrant meters are necessary to be able to monitor water usage and also to utilize the AMI system.

### Justification

New metes will allow us to hook up a node to the hydrant meter to be able to capture data immediately versus seasonally. This will allow us to have a better handle on usage.

Expenditures	2024	2025	2026	2027	2028	Total
Purchases	9,000	9,000				18,000
<b>Total</b>	<b>9,000</b>	<b>9,000</b>				<b>18,000</b>

Funding Sources	2024	2025	2026	2027	2028	Total
Rplcmt Fund-Water Infrastructure	9,000	9,000				18,000
<b>Total</b>	<b>9,000</b>	<b>9,000</b>				<b>18,000</b>

### Budget Impact/Other

Budget Items	2024	2025	2026	2027	2028	Total
Capital Projects	9,000	9,000				18,000
<b>Total</b>	<b>9,000</b>	<b>9,000</b>				<b>18,000</b>

# Capital Plan

2024 *thru* 2028

## Grand Rapids Public Utilities Commission

**Department** 2-Water

**Contact** Steve Mattson

**Type** Unassigned

**Useful Life** 10

**Category** Water System

**Priority** 02 - Significant Need

**Status** Active

**Total Project Cost:** \$36,000

**Project #** WATR2204

**Project Name** WTP Flow Meters

### Description

The influent and effluent flow need to be accurate in order for us to be able to complete an accurate water balance and reduce unaccounted flow.

### Justification

The WTP influent and effluent flow meters are decades old and parts have become obsolete.

Expenditures	2024	2025	2026	2027	2028	Total
Labor	6,000					6,000
<b>Total</b>	<b>6,000</b>					<b>6,000</b>

Funding Sources	2024	2025	2026	2027	2028	Total
Rplcmt Fund-Water Infrastructure	6,000					6,000
<b>Total</b>	<b>6,000</b>					<b>6,000</b>

### Budget Impact/Other

Budget Items	2024	2025	2026	2027	2028	Total
Capital Projects	6,000					6,000
<b>Total</b>	<b>6,000</b>					<b>6,000</b>

# Capital Plan

2024 *thru* 2028

## Grand Rapids Public Utilities Commission

**Department** 2-Water

**Contact** Steve Mattson

**Type** Unassigned

**Useful Life** 20

**Category** Water System

**Priority** 03 - Moderate Need

**Status** Active

**Total Project Cost:** \$25,000

**Project #** WATR2206

**Project Name** WTP Sewage Ejector System

### Description

WTP Sewage ejector system allows the WTP to pump wastewater into the collection system.

### Justification

The 33 year old galvanized tank is leaking and rotting away. The two pumps are of the same condition and barely holding on.

Expenditures	2024	2025	2026	2027	2028	Total
Labor	5,000					5,000
<b>Total</b>	<b>5,000</b>					<b>5,000</b>

Funding Sources	2024	2025	2026	2027	2028	Total
Rplcmt Fund-Water Infrastructure	5,000					5,000
<b>Total</b>	<b>5,000</b>					<b>5,000</b>

### Budget Impact/Other

Budget Items	2024	2025	2026	2027	2028	Total
Capital Projects	5,000					5,000
<b>Total</b>	<b>5,000</b>					<b>5,000</b>



# Capital Plan

2024 *thru* 2028

## Grand Rapids Public Utilities Commission

**Department** 2-Water

**Contact** Steve Mattson

**Type** Unassigned

**Useful Life** 20

**Category** Water System

**Priority** 03 - Moderate Need

**Status** Active

**Total Project Cost:** \$27,000

**Project #** WATR2208

**Project Name** WTP Aerator Media

### Description

Aerator Media is a plastic ball, that looks similar to a child's wiffle ball. These are a very necessary component in the aerator that allows fresh air to strip hydrogen sulfide and other gasses from the fresh well water. WTP aerator media needs to be cleaned and replaced on a regular basis.

### Justification

Having the media onhand will allow the WTP operators to clean the existing media over time rather than paying overtime to clean and install back into the aerator immediately.

Expenditures	2024	2025	2026	2027	2028	Total
Purchases	13,000					13,000
Labor	2,000					2,000
<b>Total</b>	<b>15,000</b>					<b>15,000</b>

Funding Sources	2024	2025	2026	2027	2028	Total
Rplcmt Fund-WWC	15,000					15,000
Infrastructure						
<b>Total</b>	<b>15,000</b>					<b>15,000</b>

### Budget Impact/Other

Budget Items	2024	2025	2026	2027	2028	Total
Capital Projects	15,000					15,000
<b>Total</b>	<b>15,000</b>					<b>15,000</b>



# Capital Plan

2024 *thru* 2028

## Grand Rapids Public Utilities Commission

**Department** 2-Water

**Contact** Steve Mattson

**Type** Unassigned

**Useful Life** 20

**Category** Water System

**Priority** 02 - Significant Need

**Status** Active

**Total Project Cost:** \$204,000

**Project #** WATR2209

**Project Name** Fire Hydrant Repairs

### Description

Annual hydrant flushing allows us to not only clean out the distribution system but also monitor the performance and functionality of the hydrants.

### Justification

Many hydrants need maintenance based on the inspection/use from hydrant flushing, and other annual inspections.

Expenditures	2024	2025	2026	2027	2028	Total
Purchases	35,000	20,000	20,000	20,000	20,000	115,000
<b>Total</b>	<b>35,000</b>	<b>20,000</b>	<b>20,000</b>	<b>20,000</b>	<b>20,000</b>	<b>115,000</b>

Funding Sources	2024	2025	2026	2027	2028	Total
Rplcmt Fund-Water Infrastructure	35,000	20,000	20,000	20,000	20,000	115,000
<b>Total</b>	<b>35,000</b>	<b>20,000</b>	<b>20,000</b>	<b>20,000</b>	<b>20,000</b>	<b>115,000</b>

### Budget Impact/Other

Budget Items	2024	2025	2026	2027	2028	Total
Capital Projects	35,000	20,000	20,000	20,000	20,000	115,000
<b>Total</b>	<b>35,000</b>	<b>20,000</b>	<b>20,000</b>	<b>20,000</b>	<b>20,000</b>	<b>115,000</b>

## Capital Plan

2024 *thru* 2028

### Grand Rapids Public Utilities Commission

**Department** 2-Water

**Contact** Steve Mattson

**Type** Unassigned

**Useful Life** 10

**Category** Water System

**Priority** 03 - Moderate Need

**Status** Active

**Project #** WATR2211

**Project Name** WTP Communication with Wells

**Total Project Cost:** \$15,000

#### Description

The radio communication system between the WTP and remote wells is a critical communication link and must be working in order to supply the plant with water.

#### Justification

The communication system between the remote wells and the WTP fails 3-4 times weekly causing water supply challenges. A new updated communication system will help the reliability of the water production process.

Expenditures	2024	2025	2026	2027	2028	Total
Purchases	15,000					15,000
<b>Total</b>	<b>15,000</b>					<b>15,000</b>

Funding Sources	2024	2025	2026	2027	2028	Total
Grants	15,000					15,000
<b>Total</b>	<b>15,000</b>					<b>15,000</b>

#### Budget Impact/Other

Budget Items	2024	2025	2026	2027	2028	Total
Capital Projects	15,000					15,000
<b>Total</b>	<b>15,000</b>					<b>15,000</b>

# Capital Plan

2024 *thru* 2028

## Grand Rapids Public Utilities Commission

**Department** 2-Water

**Contact** Steve Mattson

**Type** Unassigned

**Useful Life** 30

**Category** Water System

**Priority** 02 - Significant Need

**Status** Active

**Project #** WATR2213

**Project Name** Water Plant Renovation

**Total Project Cost:** \$11,943,400

### Description

The Water Plant has reached the end of its useful life. A major renovation is needed to update all the critical equipment.

### Justification

In order to meet the future supply needs of the growing community, a major renovation is necessary.

Expenditures	2024	2025	2026	2027	2028	Total
Contractor Labor	3,500,000	3,500,000				7,000,000
<b>Total</b>	<b>3,500,000</b>	<b>3,500,000</b>				<b>7,000,000</b>

Funding Sources	2024	2025	2026	2027	2028	Total
Debt	1,000,000	3,500,000				4,500,000
Grants	2,500,000					2,500,000
<b>Total</b>	<b>3,500,000</b>	<b>3,500,000</b>				<b>7,000,000</b>

### Budget Impact/Other

Budget Items	2024	2025	2026	2027	2028	Total
Capital Projects	3,500,000	3,500,000				7,000,000
<b>Total</b>	<b>3,500,000</b>	<b>3,500,000</b>				<b>7,000,000</b>

## Capital Plan

2024 *thru* 2028

### Grand Rapids Public Utilities Commission

**Department** 2-Water

**Contact** Steve Mattson

**Type** Unassigned

**Useful Life** 20

**Category** Water System

**Priority** 02 - Significant Need

**Status** Active

**Project #** WATR2302

**Project Name** Booster Station Panel View

**Total Project Cost:** \$30,000

#### Description

The booster station ensures that water gets to the south tower to provide water to the south part of town and the high-pressure dsitric. A PLC is used to help esnure that this happens.

#### Justification

The PLC for the booster station is obsolete. This is a critical piece of equipment for water distribution.

Expenditures	2024	2025	2026	2027	2028	Total
Purchases	30,000					30,000
<b>Total</b>	<b>30,000</b>					<b>30,000</b>

Funding Sources	2024	2025	2026	2027	2028	Total
Rplcmt Fund-Water Infrastructure	30,000					30,000
<b>Total</b>	<b>30,000</b>					<b>30,000</b>

#### Budget Impact/Other

Budget Items	2024	2025	2026	2027	2028	Total
Capital Projects	30,000					30,000
<b>Total</b>	<b>30,000</b>					<b>30,000</b>



# Capital Plan

2024 *thru* 2028

## Grand Rapids Public Utilities Commission

**Department** 2-Water  
**Contact** Steve Mattson  
**Type** Unassigned  
**Useful Life** 20  
**Category** Water System  
**Priority** 02 - Significant Need  
**Status** Active

**Project #** WATR2304  
**Project Name** WTP Valve Updates

**Total Project Cost:** \$120,000

### Description

The WTP is full of valves for every unit operation within it. The majority of these valves have been in place since the WTP was started 33 years ago.

### Justification

WTP Valves have reached the end of their useful life.

Expenditures	2024	2025	2026	2027	2028	Total
Purchases	18,000	18,000	18,000	18,000	18,000	90,000
Labor	2,000	2,000	2,000	2,000	2,000	10,000
<b>Total</b>	<b>20,000</b>	<b>20,000</b>	<b>20,000</b>	<b>20,000</b>	<b>20,000</b>	<b>100,000</b>

Funding Sources	2024	2025	2026	2027	2028	Total
Rplcmt Fund-Water Infrastructure	20,000	20,000	20,000	20,000	20,000	100,000
<b>Total</b>	<b>20,000</b>	<b>20,000</b>	<b>20,000</b>	<b>20,000</b>	<b>20,000</b>	<b>100,000</b>

### Budget Impact/Other

Budget Items	2024	2025	2026	2027	2028	Total
Capital Projects	20,000	20,000	20,000	20,000	20,000	100,000
<b>Total</b>	<b>20,000</b>	<b>20,000</b>	<b>20,000</b>	<b>20,000</b>	<b>20,000</b>	<b>100,000</b>



# Capital Plan

2024 thru 2028

## Grand Rapids Public Utilities Commission

Department 2-Water

Contact Steve Mattson

Project # WATR2305

Type Unassigned

Project Name Curb Stop Replacements

Useful Life 30

Category Water System

Priority 02 - Significant Need

Status Active

Total Project Cost: \$850,000

### Description

There are countless curbstops throughout the distribution system that require significant maintenance.

### Justification

Maintenance of the dsitribution system is necessary to ensure quality control and good customer service.

Expenditures	2024	2025	2026	2027	2028	Total
Purchases	150,000	150,000	150,000	150,000	150,000	750,000
<b>Total</b>	<b>150,000</b>	<b>150,000</b>	<b>150,000</b>	<b>150,000</b>	<b>150,000</b>	<b>750,000</b>

Funding Sources	2024	2025	2026	2027	2028	Total
Rplcmt Fund-Water Infrastructure	150,000	150,000	150,000	150,000	150,000	750,000
<b>Total</b>	<b>150,000</b>	<b>150,000</b>	<b>150,000</b>	<b>150,000</b>	<b>150,000</b>	<b>750,000</b>

### Budget Impact/Other

Budget Items	2024	2025	2026	2027	2028	Total
Capital Projects	150,000	150,000	150,000	150,000	150,000	750,000
<b>Total</b>	<b>150,000</b>	<b>150,000</b>	<b>150,000</b>	<b>150,000</b>	<b>150,000</b>	<b>750,000</b>

# Capital Plan

2024 *thru* 2028

## Grand Rapids Public Utilities Commission

**Department** 2-Water

**Contact** Steve Mattson

**Type** Unassigned

**Useful Life** 30

**Category** City Construction or Reconstru

**Priority** 02 - Significant Need

**Status** Active

**Total Project Cost:** \$2,952,000

**Project #** WATR2306

**Project Name** City Project - City Wide Overlays- Sylvan

### Description

City Project 2023/2015-1

### Justification

City of Grand Rapids Feasibility Report. Assets/infrastructure are well beyond useful life.

Expenditures	2024	2025	2026	2027	2028	Total
Contractor Labor		1,750,000				1,750,000
<b>Total</b>		<b>1,750,000</b>				<b>1,750,000</b>

Funding Sources	2024	2025	2026	2027	2028	Total
Debt		1,750,000				1,750,000
<b>Total</b>		<b>1,750,000</b>				<b>1,750,000</b>

### Budget Impact/Other

Budget Items	2024	2025	2026	2027	2028	Total
Capital Projects		1,750,000				1,750,000
<b>Total</b>		<b>1,750,000</b>				<b>1,750,000</b>

## Capital Plan

2024 *thru* 2028

### Grand Rapids Public Utilities Commission

**Department** 2-Water

**Contact** Steve Mattson

**Type** Unassigned

**Useful Life** 20

**Category** Water System

**Priority** 02 - Significant Need

**Status** Active

**Project #** WATR2307

**Project Name** WTP Backwash Valve

**Total Project Cost:** \$10,000

#### Description

Backwash valves are a critical piece of water quality. These valves are used when the filter is no longer working properly and needs to be cleaned.

#### Justification

The backwash valves are of age and starting to fail to operate per design.

Expenditures	2024	2025	2026	2027	2028	Total
Purchases	10,000					10,000
<b>Total</b>	<b>10,000</b>					<b>10,000</b>

Funding Sources	2024	2025	2026	2027	2028	Total
Rplcmt Fund-Water Infrastructure	10,000					10,000
<b>Total</b>	<b>10,000</b>					<b>10,000</b>

#### Budget Impact/Other

Budget Items	2024	2025	2026	2027	2028	Total
Capital Projects	10,000					10,000
<b>Total</b>	<b>10,000</b>					<b>10,000</b>

# Capital Plan

2024 *thru* 2028

## Grand Rapids Public Utilities Commission

**Department** 2-Water

**Contact** Steve Mattson

**Type** Unassigned

**Useful Life** 10

**Category** Water System

**Priority** 02 - Significant Need

**Status** Active

**Total Project Cost:** \$30,000

**Project #** WATR2308

**Project Name** Radio Communication Upgrades

### Description

The WTP utilizes radio communication for control of water tower levels, valve positioning amongst other things.

### Justification

The radio communication devices have a limited lifetime and the current system has reached the end of its useful life with limited spare parts available.

Expenditures	2024	2025	2026	2027	2028	Total
Purchases	30,000					30,000
<b>Total</b>	<b>30,000</b>					<b>30,000</b>

Funding Sources	2024	2025	2026	2027	2028	Total
Rplcmt Fund-Water Infrastructure	30,000					30,000
<b>Total</b>	<b>30,000</b>					<b>30,000</b>

### Budget Impact/Other

Budget Items	2024	2025	2026	2027	2028	Total
Capital Projects	30,000					30,000
<b>Total</b>	<b>30,000</b>					<b>30,000</b>



# Capital Plan

2024 thru 2028

## Grand Rapids Public Utilities Commission

Department 2-Water

Contact Steve Mattson

Project # WATR2309

Project Name Replace Fiber (SH to City Hall)

Type Unassigned

Useful Life 20

Category Water System

Priority 02 - Significant Need

Status Active

Total Project Cost: \$17,000

### Description

The process network at GRPU is isolated from the interent to satisfy risk and resilience with the EPA/MN DOH and it works on its own idependent fiber network. The fiber leg from the Screen house to city hall is a non-traced line.

### Justification

The fiber optic cable needs to be replaced from the screen house to south of city hall, buried with proper tracer.

Expenditures	2024	2025	2026	2027	2028	Total
Contractor Labor	17,000					17,000
<b>Total</b>	<b>17,000</b>					<b>17,000</b>

Funding Sources	2024	2025	2026	2027	2028	Total
Rplcmt Fund-Water Infrastructure	8,500					8,500
Rplcmt Fund-WWC Infrastructure	8,500					8,500
<b>Total</b>	<b>17,000</b>					<b>17,000</b>

### Budget Impact/Other

Budget Items	2024	2025	2026	2027	2028	Total
Capital Projects	17,000					17,000
<b>Total</b>	<b>17,000</b>					<b>17,000</b>



# Capital Plan

2024 *thru* 2028

## Grand Rapids Public Utilities Commission

**Department** 2-Water  
**Contact** Steve Mattson  
**Type** Unassigned  
**Useful Life** 10  
**Category** Water System  
**Priority** 01 - Required  
**Status** Active

**Project #** WATR2310  
**Project Name** South Tower Coating Repairs

**Total Project Cost:** \$230,000

### Description

All water towers requirement routine inspection and routine repair in order to preserve the asset well into the future.

### Justification

The south tower was inspected by Badger State Inspection. Per their detailed report, there are some areas that will need to be repaired.

Expenditures	2024	2025	2026	2027	2028	Total
Contractor Labor	150,000	80,000				230,000
<b>Total</b>	<b>150,000</b>	<b>80,000</b>				<b>230,000</b>

Funding Sources	2024	2025	2026	2027	2028	Total
Rplcmt Fund-Water Infrastructure	150,000	80,000				230,000
<b>Total</b>	<b>150,000</b>	<b>80,000</b>				<b>230,000</b>

### Budget Impact/Other

Budget Items	2024	2025	2026	2027	2028	Total
Capital Projects	150,000	80,000				230,000
<b>Total</b>	<b>150,000</b>	<b>80,000</b>				<b>230,000</b>

# Capital Plan

2024 *thru* 2028

## Grand Rapids Public Utilities Commission

**Department** 2-Water

**Contact** Steve Mattson

**Project #** WATR2312

**Type** Unassigned

**Project Name** WWC Category 1- Piping Replacement

**Useful Life** 30

**Category** Water System

**Priority** 02 - Significant Need

**Status** Active

**Total Project Cost:** \$2,250,000

### Description

Sanitary lines that require extra cleaning and extra attention are referred to as category 1. These lines need to be replaced to improve the sanitary flow in the respective area.

### Justification

If the street is torn up to repair sanitary line, then water line repairs will be necessary as well.

Expenditures	2024	2025	2026	2027	2028	Total
Contractor Labor	350,000	350,000	400,000	400,000	400,000	1,900,000
<b>Total</b>	<b>350,000</b>	<b>350,000</b>	<b>400,000</b>	<b>400,000</b>	<b>400,000</b>	<b>1,900,000</b>

Funding Sources	2024	2025	2026	2027	2028	Total
Debt	350,000	350,000	400,000	400,000	400,000	1,900,000
<b>Total</b>	<b>350,000</b>	<b>350,000</b>	<b>400,000</b>	<b>400,000</b>	<b>400,000</b>	<b>1,900,000</b>

### Budget Impact/Other

Budget Items	2024	2025	2026	2027	2028	Total
Capital Projects	350,000	350,000	400,000	400,000	400,000	1,900,000
<b>Total</b>	<b>350,000</b>	<b>350,000</b>	<b>400,000</b>	<b>400,000</b>	<b>400,000</b>	<b>1,900,000</b>

# Capital Plan

2024 thru 2028

## Grand Rapids Public Utilities Commission

Project # WATR2313  
Project Name City Project - Paradise Park

Department 2-Water  
Contact Steve Mattson  
Type Unassigned  
Useful Life 25  
Category Water System  
Priority 02 - Significant Need  
Status Active

Description

City Project to extend water services to Paradise Park near south tower

Justification

Adding city water to these GRPU customers is positive addition.

Expenditures	2024	2025	2026	2027	2028	Total
Contractor Labor	85,000					85,000
Total	85,000					85,000

Funding Sources	2024	2025	2026	2027	2028	Total
Rplcmt Fund-Water share/business	85,000					85,000
Total	85,000					85,000

Budget Impact/Other

Budget Items	2024	2025	2026	2027	2028	Total
Capital Projects	85,000					85,000
Total	85,000					85,000

# Capital Plan

2024 thru 2028

## Grand Rapids Public Utilities Commission

**Department** 2-Water

**Contact** Steve Mattson

**Type** Unassigned

**Useful Life** 20

**Category** Water System

**Priority** 03 - Moderate Need

**Status** Active

**Total Project Cost:** \$590,000

**Project #** WATR2401

**Project Name** NEW WELL

### Description

GRPU currently provides water to customers through the source of 5 different wells of varying water quality and capacity. Future growth within Grand Rapids may require adding a new high capacity well.

### Justification

A new well may be necessary to ensure future growth capacity in the city of Grand Rapids.

Expenditures	2024	2025	2026	2027	2028	Total
Purchases				590,000		590,000
<b>Total</b>				590,000		590,000

Funding Sources	2024	2025	2026	2027	2028	Total
Rplcmt Fund-Water Infrastructure				590,000		590,000
<b>Total</b>				590,000		590,000

### Budget Impact/Other

Budget Items	2024	2025	2026	2027	2028	Total
Capital Projects				590,000		590,000
<b>Total</b>				590,000		590,000



## Capital Plan

2024 *thru* 2028

### Grand Rapids Public Utilities Commission

**Department** 2-Water  
**Contact** Steve Mattson  
**Type** Unassigned  
**Useful Life** 20  
**Category** Water System  
**Priority** 01 - Required  
**Status** Active

**Project #** WATR2402

**Project Name** Well 4 Rehabilitation

**Total Project Cost:** \$55,000

#### Description

Rehabilitation of a well is necessary to restore throughput, clean and sanitize and inspect pump, piping and casing.

#### Justification

The well has not been rehabilitated since 2010 so it is due for service.

Expenditures	2024	2025	2026	2027	2028	Total
Contractor Labor	55,000					55,000
<b>Total</b>	<b>55,000</b>					<b>55,000</b>

Funding Sources	2024	2025	2026	2027	2028	Total
Rplcmt Fund-Water Infrastructure	55,000					55,000
<b>Total</b>	<b>55,000</b>					<b>55,000</b>

#### Budget Impact/Other

Budget Items	2024	2025	2026	2027	2028	Total
Capital Projects	55,000					55,000
<b>Total</b>	<b>55,000</b>					<b>55,000</b>



Capital Plan

2024 thru 2028

Grand Rapids Public Utilities Commission

Project #

WATR2403

Project Name

S-E-H Projects from Study

Department

2-Water

Contact

Steve Mattson

Type

Unassigned

Useful Life

Category

Water System

Priority

02 - Significant Need

Status

Active

Description

Total Project Cost: \$1,550,000

SEH conducted a comprehensive water system plan in 2021 that identified areas within the distribution system that needs improvement.

Justification

These are improvements/repairs due to necessary sanitary repairs in the area.

Expenditures	2024	2025	2026	2027	2028	Total
Contractor Labor	400,000	350,000	250,000	300,000	250,000	1,550,000
Total	400,000	350,000	250,000	300,000	250,000	1,550,000

Funding Sources	2024	2025	2026	2027	2028	Total
Debt	400,000	350,000	250,000	300,000	250,000	1,550,000
Total	400,000	350,000	250,000	300,000	250,000	1,550,000

Budget Impact/Other

Budget Items	2024	2025	2026	2027	2028	Total
Capital Projects	400,000	350,000	250,000	300,000	250,000	1,550,000
Total	400,000	350,000	250,000	300,000	250,000	1,550,000

# Capital Plan

2024 *thru* 2028

## Grand Rapids Public Utilities Commission

**Department** 2-Water  
**Contact** Steve Mattson  
**Type** Unassigned  
**Useful Life** 20  
**Category** Water System  
**Priority** 02 - Significant Need  
**Status** Active

**Project #** WATR2404  
**Project Name** AMI Water Nodes

**Total Project Cost:** \$80,000

### Description

Generation 1 Water nodes have a real lifespan of 7-10 years based on data from Eaton.

### Justification

GRPU started installing generation 1 water nodes in 2015. The data is suggesting that we need to strategically be prepared to repalce them starting now.

Expenditures	2024	2025	2026	2027	2028	Total
Purchases	20,000	20,000	20,000	20,000		80,000
<b>Total</b>	<b>20,000</b>	<b>20,000</b>	<b>20,000</b>	<b>20,000</b>		<b>80,000</b>

Funding Sources	2024	2025	2026	2027	2028	Total
Rplcmt Fund-Water Infrastructure	20,000	20,000	20,000	20,000		80,000
<b>Total</b>	<b>20,000</b>	<b>20,000</b>	<b>20,000</b>	<b>20,000</b>		<b>80,000</b>

### Budget Impact/Other

Budget Items	2024	2025	2026	2027	2028	Total
Capital Projects	20,000	20,000	20,000	20,000		80,000
<b>Total</b>	<b>20,000</b>	<b>20,000</b>	<b>20,000</b>	<b>20,000</b>		<b>80,000</b>

# Capital Plan

2024 *thru* 2028

## Grand Rapids Public Utilities Commission

**Department** 2-Water

**Contact** Steve Mattson

**Type** Unassigned

**Useful Life** 20

**Category** Water System

**Priority** 02 - Significant Need

**Status** Active

**Project #** WATR2405

**Project Name** Water Meters

**Total Project Cost:** \$110,000

### Description

Water meter (heads) have a limited life span for both commerical and residential.

### Justification

Water meters will need to be strategically repalced over time to maintian the integrity of the system.

Expenditures	2024	2025	2026	2027	2028	Total
Purchases	25,000	25,000	30,000	30,000		110,000
<b>Total</b>	<b>25,000</b>	<b>25,000</b>	<b>30,000</b>	<b>30,000</b>		<b>110,000</b>

Funding Sources	2024	2025	2026	2027	2028	Total
Rplcmt Fund-Water Infrastructure	25,000	25,000	30,000	30,000		110,000
<b>Total</b>	<b>25,000</b>	<b>25,000</b>	<b>30,000</b>	<b>30,000</b>		<b>110,000</b>

### Budget Impact/Other

Budget Items	2024	2025	2026	2027	2028	Total
Capital Projects	25,000	25,000	30,000	30,000		110,000
<b>Total</b>	<b>25,000</b>	<b>25,000</b>	<b>30,000</b>	<b>30,000</b>		<b>110,000</b>

# Capital Plan

2024 *thru* 2028

## Grand Rapids Public Utilities Commission

**Department** 2-Water

**Contact** Steve Mattson

**Type** Unassigned

**Useful Life** 20

**Category** Water System

**Priority** 02 - Significant Need

**Status** Active

**Project #** WATR2406

**Project Name** WTP RPZ Replacement

**Total Project Cost:** \$15,000

### Description

The WTP is full of valves for every unit operation within it. The majority of these valves have been in place since the WTP was started 33 years ago.

### Justification

WTP Valves have reached the end of their useful life.

Expenditures	2024	2025	2026	2027	2028	Total
Purchases	12,000					12,000
Labor	3,000					3,000
<b>Total</b>	<b>15,000</b>					<b>15,000</b>

Funding Sources	2024	2025	2026	2027	2028	Total
Rplcmt Fund-Water Infrastructure	15,000					15,000
<b>Total</b>	<b>15,000</b>					<b>15,000</b>

### Budget Impact/Other

Budget Items	2024	2025	2026	2027	2028	Total
Capital Projects	15,000					15,000
<b>Total</b>	<b>15,000</b>					<b>15,000</b>



# Capital Plan

2024 thru 2028

## Grand Rapids Public Utilities Commission

**Department** 2-Water  
**Contact** Steve Mattson  
**Type** Unassigned  
**Useful Life** 10  
**Category** Water System  
**Priority** 01 - Required  
**Status** Active

**Project #** WATR2501  
**Project Name** North Tower Coating Repairs

**Total Project Cost:** \$150,000

### Description

All water towers requirement routine inspection and routine repair in order to preserve the asset well into the future.

### Justification

The north tower was inspected by Badger State Inspection. Per their report, there are some areas that will need to be repaired.

Expenditures	2024	2025	2026	2027	2028	Total
Contractor Labor			150,000			150,000
<b>Total</b>			150,000			150,000

Funding Sources	2024	2025	2026	2027	2028	Total
Rplcmt Fund-Water Infrastructure			150,000			150,000
<b>Total</b>			150,000			150,000

### Budget Impact/Other

Budget Items	2024	2025	2026	2027	2028	Total
Capital Projects			150,000			150,000
<b>Total</b>			150,000			150,000



# Capital Plan

2024 *thru* 2028

## Grand Rapids Public Utilities Commission

**Department** 2-Water

**Contact** Steve Mattson

**Type** Unassigned

**Useful Life** 20

**Category** Water System

**Priority** 01 - Required

**Status** Active

**Project #** WATR2502

**Project Name** Well 3 Rehabilitation

**Total Project Cost:** \$50,000

### Description

Rehabilitation of a well is necessary to restore throughput, clean and sanitize and inspect pump, piping and casing.

### Justification

The well has not been rehabilitated since 2010 so it is due for service.

Expenditures	2024	2025	2026	2027	2028	Total
Contractor Labor		50,000				50,000
<b>Total</b>		<b>50,000</b>				<b>50,000</b>

Funding Sources	2024	2025	2026	2027	2028	Total
Rplcmt Fund-Water Infrastructure		50,000				50,000
<b>Total</b>		<b>50,000</b>				<b>50,000</b>

### Budget Impact/Other

Budget Items	2024	2025	2026	2027	2028	Total
Capital Projects		50,000				50,000
<b>Total</b>		<b>50,000</b>				<b>50,000</b>

Capital Plan  
Grand Rapids Public Utilities Commission

2024 thru 2028

Department 2-Water  
Contact Steve Mattson  
Type Unassigned  
Useful Life 30  
Category Water System  
Priority 02 - Significant Need  
Status Active

Project # WATR2703  
Project Name Tower Painting

Description

Total Project Cost: \$1,600,000

Water towers are assets that get a tremendous amount of sunlight and UV light exposure. They need to have adequate coatings and protection to ensure many years of service.

Justification

The exterior coating is of age and needs to be repainted.

Expenditures	2024	2025	2026	2027	2028	Total
Contractor Labor				800,000		800,000
Total				800,000		800,000

Funding Sources	2024	2025	2026	2027	2028	Total
Rplcmt Fund-Water Infrastructure				800,000		800,000
Total				800,000		800,000

Budget Impact/Other

Budget Items	2024	2025	2026	2027	2028	Total
Capital Projects				800,000		800,000
Total				800,000		800,000

Capital Plan  
Grand Rapids Public Utilities Commission

2024 thru 2028

**Department** 3-Wastewater Collection  
**Contact** Steve Mattson  
**Type** Unassigned  
**Useful Life** 50  
**Category** WW System  
**Priority** 04 - Minor Need  
**Status** Active

<b>Project #</b>	WWCO1804
<b>Project Name</b>	Mains and Services

<b>Description</b>	<b>Total Project Cost:</b> \$100,000
Replacement of mains, services and manholes. Televising the entire collection system for the first time identifies suspect areas that need to be addressed to prevent future issues.	

<b>Justification</b>
Minor replacement of mains, services and manholes is necessary to maintain and or improve systems reliability.

Expenditures	2024	2025	2026	2027	2028	Total
Purchases	20,000	20,000	20,000	20,000	20,000	100,000
<b>Total</b>	<b>20,000</b>	<b>20,000</b>	<b>20,000</b>	<b>20,000</b>	<b>20,000</b>	<b>100,000</b>

  

Funding Sources	2024	2025	2026	2027	2028	Total
Rplcmt Fund-WWC Infrastructure	20,000	20,000	20,000	20,000	20,000	100,000
<b>Total</b>	<b>20,000</b>	<b>20,000</b>	<b>20,000</b>	<b>20,000</b>	<b>20,000</b>	<b>100,000</b>

<b>Budget Impact/Other</b>

Budget Items	2024	2025	2026	2027	2028	Total
Capital Projects	20,000	20,000	20,000	20,000	20,000	100,000
<b>Total</b>	<b>20,000</b>	<b>20,000</b>	<b>20,000</b>	<b>20,000</b>	<b>20,000</b>	<b>100,000</b>

# Capital Plan

2024 *thru* 2028

## Grand Rapids Public Utilities Commission

**Department** 3-Wastewater Collection

**Contact** Steve Mattson

**Type** Unassigned

**Useful Life** 20

**Category** WW System

**Priority** 02 - Significant Need

**Status** Active

**Total Project Cost:** \$347,500

**Project #** WWCO1805

**Project Name** Manhole Replacements

### Description

Throughout the course of any year, normal wear and tear will show its impacts on manhole lids, frame, chimney, gaskets, rings, extension rings, etc. Furthermore, by working to televise the entire collection system our crews are inspecting more manholes than ever before in the utility, thus discovering things that need attention.

### Justification

Manitenance of the collection system is necessary to maintain safe streets at grade and also to ensure that the integrity fo the manhole is not compromised.

Expenditures	2024	2025	2026	2027	2028	Total
Purchases	65,000	70,000	20,000	20,000	20,000	195,000
Labor	10,000	30,000	5,000	5,000	5,000	55,000
<b>Total</b>	<b>75,000</b>	<b>100,000</b>	<b>25,000</b>	<b>25,000</b>	<b>25,000</b>	<b>250,000</b>

Funding Sources	2024	2025	2026	2027	2028	Total
Rplcmt Fund-WWC Infrastructure	75,000	75,000	25,000	25,000	25,000	225,000
<b>Total</b>	<b>75,000</b>	<b>75,000</b>	<b>25,000</b>	<b>25,000</b>	<b>25,000</b>	<b>225,000</b>

### Budget Impact/Other

Budget Items	2024	2025	2026	2027	2028	Total
Capital Projects	75,000	75,000	25,000	25,000	25,000	225,000
<b>Total</b>	<b>75,000</b>	<b>75,000</b>	<b>25,000</b>	<b>25,000</b>	<b>25,000</b>	<b>225,000</b>



# Capital Plan

2024 *thru* 2028

## Grand Rapids Public Utilities Commission

**Department** 3-Wastewater Collection

**Contact** Steve Mattson

**Type** Unassigned

**Useful Life** 50

**Category** City Construction or Reconstru

**Priority** 02 - Significant Need

**Status** Active

**Project #** WWCO2001

**Project Name** City Project - 5th Ave NE (Hwy2 to 5th St. NE)

**Total Project Cost:** \$66,435

### Description

City Project 2026/2007-5

### Justification

City of Grand Rapids Feasibility Report

Expenditures	2024	2025	2026	2027	2028	Total
Contractor Labor			66,435			66,435
<b>Total</b>			66,435			66,435

Funding Sources	2024	2025	2026	2027	2028	Total
Rplcmt Fund-WWC Infrastructure			66,435			66,435
<b>Total</b>			66,435			66,435

### Budget Impact/Other

Budget Items	2024	2025	2026	2027	2028	Total
Capital Projects			66,435			66,435
<b>Total</b>			66,435			66,435



# Capital Plan

2024 *thru* 2028

## Grand Rapids Public Utilities Commission

**Department** 3-Wastewater Collection

**Contact** Steve Mattson

**Type** Unassigned

**Useful Life** 50

**Category** City Construction or Reconstru

**Priority** 02 - Significant Need

**Status** Active

**Total Project Cost:** \$270,000

**Project #** WWCO2002

**Project Name** City Project - 3rd Av.NE (4-8th) 7th st (3rd -5th)

### Description

City of Grand Rapids project 2024/2010-1. Stanitary Sewer and Manhole Repairs.

### Justification

5th Street (3rd Ave. NW to 8th Ave. NE) Feasibility Report.

Expenditures	2024	2025	2026	2027	2028	Total
Contractor Labor	270,000					270,000
<b>Total</b>	<b>270,000</b>					<b>270,000</b>

Funding Sources	2024	2025	2026	2027	2028	Total
Rplcmt Fund-WWC Infrastructure	270,000					270,000
<b>Total</b>	<b>270,000</b>					<b>270,000</b>

### Budget Impact/Other

Budget Items	2024	2025	2026	2027	2028	Total
Capital Projects	270,000					270,000
<b>Total</b>	<b>270,000</b>					<b>270,000</b>

# Capital Plan

2024 *thru* 2028

## Grand Rapids Public Utilities Commission

**Department** 3-Wastewater Collection

**Contact** Steve Mattson

**Type** Unassigned

**Useful Life** 50

**Category** City Construction or Reconstruct

**Priority** 02 - Significant Need

**Status** Active

**Total Project Cost:** \$115,000

**Project #** WWCO2003

**Project Name** City Project - 11th Ave NE (5-7th St NE)

### Description

City Project 2020/2020-1

### Justification

City of Grand Rapids Feasibility Report

Expenditures	2024	2025	2026	2027	2028	Total
Contractor Labor			115,000			115,000
<b>Total</b>			<b>115,000</b>			<b>115,000</b>

Funding Sources	2024	2025	2026	2027	2028	Total
Rplcmt Fund-WWC Infrastructure			115,000			115,000
<b>Total</b>			<b>115,000</b>			<b>115,000</b>

### Budget Impact/Other

Budget Items	2024	2025	2026	2027	2028	Total
Capital Projects			115,000			115,000
<b>Total</b>			<b>115,000</b>			<b>115,000</b>

Capital Plan  
Grand Rapids Public Utilities Commission

2024 thru 2028

Department 3-Wastewater Collection  
Contact Steve Mattson  
Type Unassigned  
Useful Life 20  
Category Equipment  
Priority 01 - Required  
Status Active

Project # WWCO2005

Project Name Lift Station Pumps

Total Project Cost: \$331,323

Description

After a thorough asset management review was conducted of the entire collection system a replacement schedule was created to ensure that we proactively replaced pumps throughout the collection system are reaching the end of their useful life.

Justification

In order to maintain the integrity of the collection system, the retirement of aged pumps are necessary. From the asset review a strategic plan was put in place to replace 1-2 worn out pumps per year with a phased approach.

Expenditures	2024	2025	2026	2027	2028	Total
Purchases	35,000	38,000	40,000	40,000	40,000	193,000
Total	35,000	38,000	40,000	40,000	40,000	193,000

Funding Sources	2024	2025	2026	2027	2028	Total
Rplcmt Fund-WWC Infrastructure	35,000	38,000	40,000	40,000	40,000	193,000
Total	35,000	38,000	40,000	40,000	40,000	193,000

Budget Impact/Other

Budget Items	2024	2025	2026	2027	2028	Total
Capital Projects	35,000	38,000	40,000	40,000	40,000	193,000
Total	35,000	38,000	40,000	40,000	40,000	193,000

# Capital Plan

2024 *thru* 2028

## Grand Rapids Public Utilities Commission

**Department** 3-Wastewater Collection

**Contact** Steve Mattson

**Type** Unassigned

**Useful Life** 25

**Category** City Construction or Reconstru

**Priority** 02 - Significant Need

**Status** Active

**Total Project Cost:** \$300,000

**Project #** WWCO2021

**Project Name** City Project - Ha-Car SE Neighborhood, Phase 1

### Description

City of Grand Rapids project 2026/2021-1  
Street Reconstruction

### Justification

City of Grand Rapids feasibility report

Expenditures	2024	2025	2026	2027	2028	Total
Contractor Labor					300,000	300,000
<b>Total</b>					300,000	300,000

Funding Sources	2024	2025	2026	2027	2028	Total
Rplcmt Fund-WWC Infrastructure					300,000	300,000
<b>Total</b>					300,000	300,000

### Budget Impact/Other

Budget Items	2024	2025	2026	2027	2028	Total
Capital Projects					300,000	300,000
<b>Total</b>					300,000	300,000



Capital Plan  
Grand Rapids Public Utilities Commission

2024 thru 2028

Department 3-Wastewater Collection  
Contact Steve Mattson  
Type Unassigned  
Useful Life 20  
Category City Construction or Reconstru  
Priority 02 - Significant Need  
Status Active

Project # WWCO2202

Project Name City Wide Overlays-Rural

Total Project Cost: \$60,000

Description

City of Grand Rapids project 2024/2013-2

Justification

Expenditures	2024	2025	2026	2027	2028	Total
Contractor Labor		60,000				60,000
Total		60,000				60,000

Funding Sources	2024	2025	2026	2027	2028	Total
Rplcmt Fund-WWC Infrastructure		60,000				60,000
Total		60,000				60,000

Budget Impact/Other

Budget Items	2024	2025	2026	2027	2028	Total
Capital Projects		60,000				60,000
Total		60,000				60,000



# Capital Plan

2024 *thru* 2028

## Grand Rapids Public Utilities Commission

**Department** 3-Wastewater Collection

**Contact** Steve Mattson

**Type** Unassigned

**Useful Life** 20

**Category** WW System

**Priority** 03 - Moderate Need

**Status** Active

**Project #** WWCO2207

**Project Name** Lift Station 2 - Generator and switch

**Total Project Cost:** \$48,490

### Description

Lift station 2 is a major lift station that services all of Cohasset. This lift station does not have any backup power supply to ensure that it doesn't overflow into the Mississippi river.

### Justification

The generator and switch would serve as a backup power supply to address any power outage effecting the lift station.

Expenditures	2024	2025	2026	2027	2028	Total
Purchases	12,000					12,000
<b>Total</b>	<b>12,000</b>					<b>12,000</b>

Funding Sources	2024	2025	2026	2027	2028	Total
Rplcmt Fund-WWC Infrastructure	12,000					12,000
<b>Total</b>	<b>12,000</b>					<b>12,000</b>

### Budget Impact/Other

Ziegler pricing is state bid pricing through Sourcewell Contract #120617-CAT

Budget Items	2024	2025	2026	2027	2028	Total
Capital Projects	12,000					12,000
<b>Total</b>	<b>12,000</b>					<b>12,000</b>

# Capital Plan

2024 thru 2028

## Grand Rapids Public Utilities Commission

Department 3-Wastewater Collection

Contact Steve Mattson

Type Unassigned

Useful Life 20

Category WW System

Priority 03 - Moderate Need

Status Active

Total Project Cost: \$44,825

Project # WWCO2208

Project Name Lift Station 3 - Generator and switch

### Description

Lift station 2 is a major lift station that services all of the SW part of town including the new west school, hospital, clinics and the old ainsworth property. This lift station does not have any backup power supply to ensure that it doesn't overflow into the surrounding environment.

### Justification

The generator and switch would serve as a backup power supply to address any power outage effecting the lift station.

Expenditures	2024	2025	2026	2027	2028	Total
Purchases	12,000					12,000
<b>Total</b>	<b>12,000</b>					<b>12,000</b>

Funding Sources	2024	2025	2026	2027	2028	Total
Rplcmt Fund-WWC	12,000					12,000
Infrastructure						
<b>Total</b>	<b>12,000</b>					<b>12,000</b>

### Budget Impact/Other

Ziegler pricing is state bid pricing through Sourcewell Contract #120617-CAT

Budget Items	2024	2025	2026	2027	2028	Total
Capital Projects	12,000					12,000
<b>Total</b>	<b>12,000</b>					<b>12,000</b>

# Capital Plan

2024 *thru* 2028

## Grand Rapids Public Utilities Commission

**Department** 3-Wastewater Collection

**Contact** Steve Mattson

**Type** Unassigned

**Useful Life** 20

**Category** WW System

**Priority** 01 - Required

**Status** Active

**Project #** WWCO2307

**Project Name** Lift Station 6 I/I Repairs

**Total Project Cost:** \$45,000

### Description

The high water table in the vicinity of lift station 6 provides easy access into the collection system via any cracks, suspect connections or suspect service lines. This provides unnecessary inflow into the collection system and also causes the pump to run more than necessary. Sanitary sewer near Lift station 6 needs major repairs.

### Justification

Improving the connections in the area will significantly reduce if not eliminate the extra water flow into the collection system.

Expenditures	2024	2025	2026	2027	2028	Total
Purchases	10,000					10,000
<b>Total</b>	<b>10,000</b>					<b>10,000</b>

Funding Sources	2024	2025	2026	2027	2028	Total
Rplcmt Fund-WWC Infrastructure	10,000					10,000
<b>Total</b>	<b>10,000</b>					<b>10,000</b>

### Budget Impact/Other

Budget Items	2024	2025	2026	2027	2028	Total
Capital Projects	10,000					10,000
<b>Total</b>	<b>10,000</b>					<b>10,000</b>

Capital Plan

2024 thru 2028

Grand Rapids Public Utilities Commission

Project #

WWCO2308

Project Name

WWC Category 1- Piping Repairs

Department

3-Wastewater Collection

Contact

Type

Unassigned

Useful Life

30

Category

WW System

Priority

02 - Significant Need

Status

Active

Description

Total Project Cost: \$2,250,000

Sanitary lines that require extra cleaning and extra attention are referred to as category 1. These lines needs to be replaced to improve the sanitary flow in the respective area so they flow as they should.

Justification

Constant improving of the system is a key component to having relieable service for our customers. Bad areas will be excavated, repaired and or replaced to improve the flow conditions within the pipe and reduce I&I.

Expenditures	2024	2025	2026	2027	2028	Total
Purchases	350,000	350,000	400,000	400,000	400,000	1,900,000
Total	350,000	350,000	400,000	400,000	400,000	1,900,000

Funding Sources	2024	2025	2026	2027	2028	Total
Debt	350,000	350,000	400,000	400,000	400,000	1,900,000
Total	350,000	350,000	400,000	400,000	400,000	1,900,000

Budget Impact/Other

Budget Items	2024	2025	2026	2027	2028	Total
Capital Projects	350,000	350,000	400,000	400,000	400,000	1,900,000
Total	350,000	350,000	400,000	400,000	400,000	1,900,000



# Capital Plan

2024 *thru* 2028

## Grand Rapids Public Utilities Commission

**Department** 3-Wastewater Collection

**Contact** Steve Mattson

**Type** Unassigned

**Useful Life** 20

**Category** WW System

**Priority** 02 - Significant Need

**Status** Active

**Project #** WWCO2309

**Project Name** Cohasset Flow Meter

**Total Project Cost:** \$30,000

### Description

Lift station 2 receives all of Cohasset's sanitary flow. GRPU does not have its own measurement of that flow.

### Justification

In order to properly bill our customers, it is imperative to accurately measure flow information.

Expenditures	2024	2025	2026	2027	2028	Total
Purchases	30,000					30,000
<b>Total</b>	<b>30,000</b>					<b>30,000</b>

Funding Sources	2024	2025	2026	2027	2028	Total
Rplcmt Fund-WWC Infrastructure	30,000					30,000
<b>Total</b>	<b>30,000</b>					<b>30,000</b>

### Budget Impact/Other

Budget Items	2024	2025	2026	2027	2028	Total
Capital Projects	30,000					30,000
<b>Total</b>	<b>30,000</b>					<b>30,000</b>



# Capital Plan

2024 *thru* 2028

## Grand Rapids Public Utilities Commission

**Department** 3-Wastewater Collection

**Contact** Steve Mattson

**Type** Unassigned

**Useful Life** 30

**Category** WW System

**Priority** 02 - Significant Need

**Status** Active

**Total Project Cost:** \$2,327,000

**Project #** WWCO2310

**Project Name** City Project - City Wide Overlays- Sylvan

### Description

City Project 2023 2015-1

### Justification

City of Grand Rapids Feasibility Report  
Assets/infrastructure are well beyond useful life.

Expenditures	2024	2025	2026	2027	2028	Total
Contractor Labor		1,317,000				1,317,000
<b>Total</b>		<b>1,317,000</b>				<b>1,317,000</b>

Funding Sources	2024	2025	2026	2027	2028	Total
Debt		1,317,000				1,317,000
<b>Total</b>		<b>1,317,000</b>				<b>1,317,000</b>

### Budget Impact/Other

Budget Items	2024	2025	2026	2027	2028	Total
Capital Projects		1,317,000				1,317,000
<b>Total</b>		<b>1,317,000</b>				<b>1,317,000</b>

# Capital Plan

2024 *thru* 2028

## Grand Rapids Public Utilities Commission

**Department** 3-Wastewater Collection

**Contact** Steve Mattson

**Type** Unassigned

**Useful Life** 50

**Category** WW System

**Priority** 02 - Significant Need

**Status** Active

**Project #** WACO2402

**Project Name** SE 11th St Sanitary Sewer Replacement

**Total Project Cost:** \$1,300,000

### Description

A comprehensive sanitary sewer plan was conducted by S-E-H. The Recommendation from sewer plan was to increase the size of this line to be able to accomodate all the proposed changes in the south end of town.

### Justification

Increasing the size of the sanitary line is needed to eliminate the possibility of maxxing out the pipe during certain times which could easily cause back-ups.

Expenditures	2024	2025	2026	2027	2028	Total
Contractor Labor			1,300,000			1,300,000
<b>Total</b>			1,300,000			1,300,000

Funding Sources	2024	2025	2026	2027	2028	Total
Debt			1,300,000			1,300,000
<b>Total</b>			1,300,000			1,300,000

### Budget Impact/Other

Budget Items	2024	2025	2026	2027	2028	Total
Capital Projects			1,300,000			1,300,000
<b>Total</b>			1,300,000			1,300,000

# Capital Plan

2024 *thru* 2028

## Grand Rapids Public Utilities Commission

**Department** 3-Wastewater Collection

**Contact** Steve Mattson

**Project #** WWCO2403

**Project Name** Lift Station 3 Controls Update

**Type** Unassigned

**Useful Life** 20

**Category** WW System

**Priority** 01 - Required

**Status** Active

**Total Project Cost:** \$25,000

### Description

After a thorough asset management review was conducted of the entire collection system a replacement schedule was created to ensure that we proactively replaced lift stations throughout the collection system that are reaching the end of their useful life.

### Justification

The controls for this lift station need to be updated due to outdated components.

Expenditures	2024	2025	2026	2027	2028	Total
Purchases	25,000					25,000
<b>Total</b>	<b>25,000</b>					<b>25,000</b>

Funding Sources	2024	2025	2026	2027	2028	Total
Rplcmt Fund-WWC Infrastructure	25,000					25,000
<b>Total</b>	<b>25,000</b>					<b>25,000</b>

### Budget Impact/Other

Budget Items	2024	2025	2026	2027	2028	Total
Capital Projects	25,000					25,000
<b>Total</b>	<b>25,000</b>					<b>25,000</b>

# Capital Plan

2024 *thru* 2028

## Grand Rapids Public Utilities Commission

**Department** 3-Wastewater Collection

**Contact** Steve Mattson

**Type** Unassigned

**Useful Life** 20

**Category** WW System

**Priority** 01 - Required

**Status** Active

**Project #** WWCO2404

**Project Name** Lift Station 13 Controls Update

**Total Project Cost:** \$25,000

### Description

After a thorough asset management review was conducted of the entire collection system a replacement schedule was created to ensure that we proactively replaced lift stations throughout the collection system that are reaching the end of their useful life.

### Justification

The controls for this lift station need to be updated due to outdated components. This includes a spare panel view.

Expenditures	2024	2025	2026	2027	2028	Total
Purchases	25,000					25,000
<b>Total</b>	<b>25,000</b>					<b>25,000</b>

Funding Sources	2024	2025	2026	2027	2028	Total
Rplcmt Fund-WWC Infrastructure	25,000					25,000
<b>Total</b>	<b>25,000</b>					<b>25,000</b>

### Budget Impact/Other

Budget Items	2024	2025	2026	2027	2028	Total
Capital Projects	25,000					25,000
<b>Total</b>	<b>25,000</b>					<b>25,000</b>



Capital Plan  
Grand Rapids Public Utilities Commission

2024 thru 2028

Department 3-Wastewater Collection  
Contact Steve Mattson  
Type Unassigned  
Useful Life 20  
Category Water System  
Priority 02 - Significant Need  
Status Active

Project # WWCO2405  
Project Name Lift 1 Pump Lifting Structure

Description

Total Project Cost: \$25,000

Lift 1 is the main lift station that pumps all of Cohasset and Grand Rapids towards the domestic lift station.

Justification

This lift station is susceptible to plugging due to rags and causes major concerns of violations from the MPCA due to flooding caused by plugged pumps. Having a lifting system setup and preattached to the pumps would save significant time in preventative maintenance as well unplugging pumps during a critical time.

Expenditures	2024	2025	2026	2027	2028	Total
Purchases	25,000					25,000
Total	25,000					25,000

Funding Sources	2024	2025	2026	2027	2028	Total
Rplcmt Fund-WWC Infrastructure	25,000					25,000
Total	25,000					25,000

Budget Impact/Other

Budget Items	2024	2025	2026	2027	2028	Total
Capital Projects	25,000					25,000
Total	25,000					25,000

# Capital Plan

2024 *thru* 2028

## Grand Rapids Public Utilities Commission

**Department** 3-Wastewater Collection

**Contact** Steve Mattson

**Type** Unassigned

**Useful Life** 10

**Category** WW System

**Priority** 02 - Significant Need

**Status** Active

**Project #** WWCO2406

**Project Name** Delta V Secondary for #1 Lift Station

**Total Project Cost:** \$18,000

### Description

The clinic lift only operates on the primary network for Delta V. The rest of the system has both a primary and secondary network for reliability.

### Justification

The operation of the clinic lift is critical for us to properly treat waste. The redundancy of the secondary network is the necessary to ensure operation.

Expenditures	2024	2025	2026	2027	2028	Total
Purchases	18,000					18,000
<b>Total</b>	<b>18,000</b>					<b>18,000</b>

Funding Sources	2024	2025	2026	2027	2028	Total
Rplcmt Fund-WWC Infrastructure	18,000					18,000
<b>Total</b>	<b>18,000</b>					<b>18,000</b>

### Budget Impact/Other

Budget Items	2024	2025	2026	2027	2028	Total
Capital Projects	18,000					18,000
<b>Total</b>	<b>18,000</b>					<b>18,000</b>

# Capital Plan

2024 *thru* 2028

## Grand Rapids Public Utilities Commission

**Department** 3-Wastewater Collection

**Contact** Steve Mattson

**Type** Unassigned

**Useful Life** 10

**Category** WW System

**Priority** 01 - Required

**Status** Active

**Total Project Cost:** \$20,000

**Project #** WWCO2407

**Project Name** Ainsworth Lift Station Alarm Agents

### Description

Remote lift stations need alarms that can be broadcast to our maintenance employees when there are issues.

### Justification

To avoid customer backups and ensure that wastewater does not spill into the environment.

Expenditures	2024	2025	2026	2027	2028	Total
Purchases	20,000					20,000
<b>Total</b>	<b>20,000</b>					<b>20,000</b>

Funding Sources	2024	2025	2026	2027	2028	Total
Rplcmt Fund-WWC Infrastructure	20,000					20,000
<b>Total</b>	<b>20,000</b>					<b>20,000</b>

### Budget Impact/Other

Budget Items	2024	2025	2026	2027	2028	Total
Capital Projects	20,000					20,000
<b>Total</b>	<b>20,000</b>					<b>20,000</b>

# Capital Plan

2024 *thru* 2028

## Grand Rapids Public Utilities Commission

**Department** 3-Wastewater Collection

**Contact** Steve Mattson

**Type** Unassigned

**Useful Life** 30

**Category** WW System

**Priority** 02 - Significant Need

**Status** Active

**Project #** WWCO2602

**Project Name** Lift Station 5 Forcemain Replacement

**Total Project Cost:** \$65,000

### Description

S-E-H completed a Comprehensive sanitary sewer plan to identify potential issues within the system that would inhibit the current and future use of the collection system.

### Justification

Recommendation from S-E-H after the Comprehensive sanitary sewer plan. Increasing the size of the sanitary line is needed to improve overall flow from this lift station into the remaining part of the collection system.

Expenditures	2024	2025	2026	2027	2028	Total
Contractor Labor			65,000			65,000
<b>Total</b>			65,000			65,000

Funding Sources	2024	2025	2026	2027	2028	Total
Debt			65,000			65,000
<b>Total</b>			65,000			65,000

### Budget Impact/Other

Budget Items	2024	2025	2026	2027	2028	Total
Capital Projects			65,000			65,000
<b>Total</b>			65,000			65,000



Capital Plan  
Grand Rapids Public Utilities Commission

2024 thru 2028

Department 3-Wastewater Collection  
Contact Steve Mattson  
Type Unassigned  
Useful Life 10  
Category Vehicles  
Priority 03 - Moderate Need  
Status Active

Project # WWCO2701

Project Name Replace Truck 61

Total Project Cost: \$60,000

Description

Service Truck 61 and service body are reaching the end of their useful life and will increase maintenance costs and reliability will start too inhibit the crews.

Justification

This vehicle has 100 thousand miles and will be 10 years old.

Expenditures	2024	2025	2026	2027	2028	Total
Purchases				60,000		60,000
Total				60,000		60,000

Funding Sources	2024	2025	2026	2027	2028	Total
Rplcmt Fund-Water share/business				30,000		30,000
Rplcmt Fund-WWC share/business				30,000		30,000
Total				60,000		60,000

Budget Impact/Other

Budget Items	2024	2025	2026	2027	2028	Total
Capital Projects				55,000		55,000
Total				55,000		55,000

# Capital Plan

## Grand Rapids Public Utilities Commission

2024 *thru* 2028

**Department** 3-Wastewater Collection

**Contact** Steve Mattson

**Type** Unassigned

**Useful Life** 30

**Category** WW System

**Priority** 02 - Significant Need

**Status** Active

**Total Project Cost:** \$65,000

**Project #** WWCO2703

**Project Name** Lift Station 4 Forcemain Replacement

### Description

Recommendation from S-E-H after the Comprehensive sanitary sewer plan

### Justification

Expenditures	2024	2025	2026	2027	2028	Total
Contractor Labor					65,000	65,000
<b>Total</b>					65,000	65,000

Funding Sources	2024	2025	2026	2027	2028	Total
Debt					65,000	65,000
<b>Total</b>					65,000	65,000

### Budget Impact/Other

Budget Items	2024	2025	2026	2027	2028	Total
Capital Projects					65,000	65,000
<b>Total</b>					65,000	65,000

## Capital Plan

2024 *thru* 2028

### Grand Rapids Public Utilities Commission

**Department** 3-Wastewater Collection

**Contact** Steve Mattson

**Type** Unassigned

**Useful Life** 30

**Category** WW System

**Priority** 02 - Significant Need

**Status** Active

**Project #** WWCO2704

**Project Name** Lift Station 2 Forcemain Replacement

**Total Project Cost:** \$160,000

#### Description

S-E-H completed a Comprehensive sanitary sewer plan to identify potential issues within the system that would inhibit the current and future use of the collection system.

#### Justification

The discharge piping segment from lift station 2 was identified as an area that is limiting throughput. Replacement of a 150 ft pipe segment was highly recommended.

Expenditures	2024	2025	2026	2027	2028	Total
Contractor Labor	160,000					160,000
<b>Total</b>	<b>160,000</b>					<b>160,000</b>

Funding Sources	2024	2025	2026	2027	2028	Total
Debt	160,000					160,000
<b>Total</b>	<b>160,000</b>					<b>160,000</b>

#### Budget Impact/Other

Budget Items	2024	2025	2026	2027	2028	Total
Capital Projects	160,000					160,000
<b>Total</b>	<b>160,000</b>					<b>160,000</b>

# Capital Plan

2024 *thru* 2028

## Grand Rapids Public Utilities Commission

**Department** 4a-WWT Domestic

**Contact** Steve Mattson

**Type** Unassigned

**Useful Life** 10

**Category** WW System

**Priority** 02 - Significant Need

**Status** Active

**Project #** WWDO2302

**Project Name** Trash Compactor

**Total Project Cost:** \$90,000

### Description

The trash compactor for the domestic screen compacts coarse rejects from the screen to reduce the amount of waste that goes into the trash bin. This part of the domestic screen is also a couple decades old.

### Justification

The trash compactor is reaching the end of its useful life with wear items being beyond repair. Repair will ensure consistent service well into the future.

Expenditures	2024	2025	2026	2027	2028	Total
Purchases	90,000					90,000
<b>Total</b>	<b>90,000</b>					<b>90,000</b>

Funding Sources	2024	2025	2026	2027	2028	Total
Reserves-Unrestricted	90,000					90,000
<b>Total</b>	<b>90,000</b>					<b>90,000</b>

### Budget Impact/Other

Budget Items	2024	2025	2026	2027	2028	Total
Capital Projects	90,000					90,000
<b>Total</b>	<b>90,000</b>					<b>90,000</b>



Capital Plan  
Grand Rapids Public Utilities Commission

2024 thru 2028

Department 4a-WWT Domestic  
Contact Steve Mattson  
Type Unassigned  
Useful Life 10  
Category WW System  
Priority 02 - Significant Need  
Status Active

Project # WWDO2401

Project Name VFD Upgrades On Lift Pumps

Total Project Cost: \$45,000

Description

The current variable frequency drives (VFD's) are antiquated and do not have parts nor spares.

Justification

All three pumps are required to be operational per our NPDES permit. The VFD is a critical component of the control strategy for operating the pumps and thus needs to be operational and repairable.

Expenditures	2024	2025	2026	2027	2028	Total
Purchases	30,000		15,000			45,000
Total	30,000		15,000			45,000

Funding Sources	2024	2025	2026	2027	2028	Total
Reserves-Unrestricted	15,000	15,000	15,000			45,000
Total	15,000	15,000	15,000			45,000

Budget Impact/Other

# Capital Plan

2024 *thru* 2028

## Grand Rapids Public Utilities Commission

**Department** 4a-WWT Domestic

**Contact** Steve Mattson

**Type** Unassigned

**Useful Life** 20

**Category** Water System

**Priority** 02 - Significant Need

**Status** Active

**Project #** WWDO2402

**Project Name** Domestic Screen Building Doors

**Total Project Cost:** \$15,000

### Description

The doors on the domestic screen building are used multiple times daily and are stressed due to removal of garbage containers in and out.

### Justification

The doors and hinges are in poor condition over the years of constant use and abuse and need to be replaced.

Expenditures	2024	2025	2026	2027	2028	Total
Purchases	15,000					15,000
<b>Total</b>	<b>15,000</b>					<b>15,000</b>

Funding Sources	2024	2025	2026	2027	2028	Total
Rplcmt Fund-WWC Infrastructure	15,000					15,000
<b>Total</b>	<b>15,000</b>					<b>15,000</b>

### Budget Impact/Other

Budget Items	2024	2025	2026	2027	2028	Total
Capital Projects	15,000					15,000
<b>Total</b>	<b>15,000</b>					<b>15,000</b>

Capital Plan

2024 *thru* 2028

Grand Rapids Public Utilities Commission

Project #

WWDO2403

Project Name

Septic Hauler Dump Station

Department

4a-WWT Domestic

Contact

Steve Mattson

Type

Unassigned

Useful Life

20

Category

WW System

Priority

03 - Moderate Need

Status

Active

Description

Total Project Cost:

\$410,000

The sale of the old plant property will force the relocation of the septic hauler dump station to the secondary plant.

Justification

The sale of the old plant property will force the relocation of the septic hauler dump station to the secondary plant.

Expenditures	2024	2025	2026	2027	2028	Total
Purchases	410,000					410,000
Total	410,000					410,000

Budget Impact/Other

# Capital Plan

2024 *thru* 2028

## Grand Rapids Public Utilities Commission

**Department** 4b-WWT Screenhouse

**Contact** Steve Mattson

**Type** Unassigned

**Useful Life** 10

**Category** WW System

**Priority** 02 - Significant Need

**Status** Active

**Total Project Cost:** \$64,000

**Project #** WWSH2301

**Project Name** VFD Upgrades for Lift Pumps

### Description

The current variable frequency drives (VFD's) are antiquated and do not have parts nor spares.

### Justification

All four pumps are required to be operational per our NPDES permit. The VFD is a critical component of the control strategy for operating the pumps and thus needs to be operational and repairable.

Expenditures	2024	2025	2026	2027	2028	Total
Purchases	13,000	13,000	13,000	13,000		52,000
<b>Total</b>	<b>13,000</b>	<b>13,000</b>	<b>13,000</b>	<b>13,000</b>		<b>52,000</b>

Funding Sources	2024	2025	2026	2027	2028	Total
Customer Contributions-UPM	13,000	13,000	13,000	13,000		52,000
<b>Total</b>	<b>13,000</b>	<b>13,000</b>	<b>13,000</b>	<b>13,000</b>		<b>52,000</b>

### Budget Impact/Other



# Capital Plan

2024 *thru* 2028

## Grand Rapids Public Utilities Commission

**Department** 4b-WWT Screenhouse

**Contact** Steve Mattson

**Type** Unassigned

**Useful Life** 20

**Category** WW System

**Priority** 02 - Significant Need

**Status** Active

**Project #** WWSH2302

**Project Name** Replace Fiber Segment 1

**Total Project Cost:** \$15,000

### Description

The Fiber optic line from the screen house towards city hall (segment 1) is overhead cable that was buried and does not have any trace wire.

### Justification

This fiber optic cable is past its useful life and does not have any locating wires associated with it.

Expenditures	2024	2025	2026	2027	2028	Total
Contractor Labor		15,000				15,000
<b>Total</b>		15,000				15,000

Funding Sources	2024	2025	2026	2027	2028	Total
Customer Contributions-UPM		15,000				15,000
<b>Total</b>		15,000				15,000

### Budget Impact/Other

Budget Items	2024	2025	2026	2027	2028	Total
Capital Projects		15,000				15,000
<b>Total</b>		15,000				15,000

## Capital Plan

2024 *thru* 2028

### Grand Rapids Public Utilities Commission

**Department** 4b-WWT Screenhouse

**Contact** Steve Mattson

**Type** Unassigned

**Useful Life** 20

**Category** WW System

**Priority** 02 - Significant Need

**Status** Active

**Project #** WWSH2401

**Project Name** Drive Gear Boxes for Parkson Screens

**Total Project Cost:** \$18,000

#### Description

The drive gear boxes are used to run the parkson coarse screen and are essential for the operation of it. The gearboxes are over thirty years old and are past their useful life.

#### Justification

The drive gear boxes are past their useful life and need to be repaired/replaced to be able to ensure good service well into the future.

Expenditures	2024	2025	2026	2027	2028	Total
Purchases	18,000					18,000
<b>Total</b>	<b>18,000</b>					<b>18,000</b>

Funding Sources	2024	2025	2026	2027	2028	Total
Customer Contributions-UPM	18,000					18,000
<b>Total</b>	<b>18,000</b>					<b>18,000</b>

#### Budget Impact/Other

# Capital Plan

2024 *thru* 2028

## Grand Rapids Public Utilities Commission

**Department** 4b-WWT Screenhouse

**Contact** Steve Mattson

**Type** Unassigned

**Useful Life** 20

**Category** WW System

**Priority** 02 - Significant Need

**Status** Active

**Total Project Cost:** \$10,000

**Project #** WWSH2402

**Project Name** Bark Dumper Overhaul

### Description

The bark dumper is a hopper that stores all the rejected material from the parkson coarse screen. This hopper is then emptied into a dump truck and hauled to the wastewater plant for disposal. The aged gearbox on the bark dumper is showing signs of significant wear.

### Justification

The dumper gear box is reaching the end of its useful life. In order to continue to be able to manage screen rejects the gearbox needs to be repaired/renovated.

Expenditures	2024	2025	2026	2027	2028	Total
Purchases	10,000					10,000
<b>Total</b>	<b>10,000</b>					<b>10,000</b>

Funding Sources	2024	2025	2026	2027	2028	Total
Customer Contributions-UPM	10,000					10,000
<b>Total</b>	<b>10,000</b>					<b>10,000</b>

### Budget Impact/Other

Budget Items	2024	2025	2026	2027	2028	Total
Capital Projects	10,000					10,000
<b>Total</b>	<b>10,000</b>					<b>10,000</b>

# Capital Plan

2024 *thru* 2028

## Grand Rapids Public Utilities Commission

**Department** 4b-WWT Screenhouse

**Contact** Steve Mattson

**Type** Unassigned

**Useful Life** 20

**Category** WW System

**Priority** 02 - Significant Need

**Status** Active

**Total Project Cost:** \$35,000

**Project #** WWSH2403

**Project Name** Screen House Doors

### Description

The large doors at the screen house are used to access the inside of the building for major repairs and routine (weekly) emptying of bark from the Parksons screens.

### Justification

The rollup door at the screen house has reached the end of its useful life and needs to be replaced.

Expenditures	2024	2025	2026	2027	2028	Total
Purchases	35,000					35,000
<b>Total</b>	<b>35,000</b>					<b>35,000</b>

Funding Sources	2024	2025	2026	2027	2028	Total
Customer Contributions-UPM	35,000					35,000
<b>Total</b>	<b>35,000</b>					<b>35,000</b>

### Budget Impact/Other



# Capital Plan

2024 thru 2028

## Grand Rapids Public Utilities Commission

Department 4c-WWT Primary Plant

Contact Steve Mattson

Type Unassigned

Useful Life 10

Category WW System

Priority 02 - Significant Need

Status Active

Project # WWPP2103

Project Name Sludge Screw Conveyor - Screw Replacement

Total Project Cost: \$188,535

### Description

There are five sections of screw for the custom sludge scw conveyor. In order to maintain runnability, the second and third screw should be replaced.

### Justification

There are five sections of screw for the custom sludge scw conveyor. In order to maintain runnability, the second and third screw should be replaced. The first section was replaced in 2020 which significantly improved the operation of the conveyor and reduced maintenance downtime.

Expenditures	2024	2025	2026	2027	2028	Total
Purchases	45,000					45,000
Labor	5,000					5,000
<b>Total</b>	<b>50,000</b>					<b>50,000</b>

Funding Sources	2024	2025	2026	2027	2028	Total
Customer Contributions-UPM	50,000					50,000
<b>Total</b>	<b>50,000</b>					<b>50,000</b>

### Budget Impact/Other

Budget Items	2024	2025	2026	2027	2028	Total
Capital Projects	50,000					50,000
<b>Total</b>	<b>50,000</b>					<b>50,000</b>

Capital Plan  
Grand Rapids Public Utilities Commission

2024 *thru* 2028

**Department** 4c-WWT Primary Plant  
**Contact** Steve Mattson  
**Type** Unassigned  
**Useful Life** 10  
**Category** WW System  
**Priority** 02 - Significant Need  
**Status** Active

**Project #** WWPP2303  
**Project Name** Primary Plant Sludge Pumps

**Total Project Cost:** \$140,000

**Description**

The primary plant is over ten years old and the pumps are starting to reach the end of their useful lives. The sludge pumps are critical for the WW operation.

**Justification**

The pumps are at a point that they need to be rebuilt in order to continue to run the WW plant.

Expenditures	2024	2025	2026	2027	2028	Total
Purchases	28,000	28,000	28,000	28,000		112,000
<b>Total</b>	<b>28,000</b>	<b>28,000</b>	<b>28,000</b>	<b>28,000</b>		<b>112,000</b>

Funding Sources	2024	2025	2026	2027	2028	Total
Customer Contributions-UPM	28,000	28,000	28,000	28,000		112,000
<b>Total</b>	<b>28,000</b>	<b>28,000</b>	<b>28,000</b>	<b>28,000</b>		<b>112,000</b>

**Budget Impact/Other**

## Capital Plan

2024 *thru* 2028

### Grand Rapids Public Utilities Commission

**Department** 4c-WWT Primary Plant

**Contact** Steve Mattson

**Type** Unassigned

**Useful Life** 20

**Category** WW System

**Priority** 02 - Significant Need

**Status** Active

**Total Project Cost:** \$16,000

**Project #** WWPP2401

**Project Name** WAS Blower

#### Description

AIC blower is used to freshen up the industrial wastewater before it enters into the primary clarifier.

#### Justification

AIC blower has reached the end of its useful life and needs to be replaced.

Expenditures	2024	2025	2026	2027	2028	Total
Purchases	16,000					16,000
<b>Total</b>	<b>16,000</b>					<b>16,000</b>

Funding Sources	2024	2025	2026	2027	2028	Total
Customer Contributions-UPM	16,000					16,000
<b>Total</b>	<b>16,000</b>					<b>16,000</b>

#### Budget Impact/Other

# Capital Plan

2024 *thru* 2028

**Department** 4c-WWT Primary Plant

## Grand Rapids Public Utilities Commission

**Contact** Steve Mattson

**Project #** WWPP2402

**Type** Unassigned

**Project Name** Sludge Conveyor Hanger Bearings

**Useful Life** 10

**Category** WW System

**Priority** 02 - Significant Need

**Status** Active

**Total Project Cost:** \$20,000

### Description

Hanger bearings are required to connect sections of screws in the exit sludge screw conveyor in order for it to work properly.

### Justification

Hanger bearings are frequent wear items due to having to be in the material being transferred in the screw conveyor.

Expenditures	2024	2025	2026	2027	2028	Total
Purchases	20,000					20,000
<b>Total</b>	<b>20,000</b>					<b>20,000</b>

Funding Sources	2024	2025	2026	2027	2028	Total
Customer Contributions-UPM	20,000					20,000
<b>Total</b>	<b>20,000</b>					<b>20,000</b>

### Budget Impact/Other

Budget Items	2024	2025	2026	2027	2028	Total
Capital Projects	20,000					20,000
<b>Total</b>	<b>20,000</b>					<b>20,000</b>



## Capital Plan

2024 *thru* 2028

### Grand Rapids Public Utilities Commission

**Department** 4c-WWT Primary Plant

**Contact** Steve Mattson

**Type** Unassigned

**Useful Life**

**Category** Water System

**Priority** 02 - Significant Need

**Status** Active

**Total Project Cost:** \$80,000

**Project #** WWPP2403

**Project Name** Sludge Blend Tank Improvements

#### Description

The sludge blend tank is used to blend secondary waste activated sludge with primary sludge for dewatering.

#### Justification

The coating on the tank has worn off in areas causing leaks and premature wear.

Expenditures	2024	2025	2026	2027	2028	Total
Purchases	80,000					80,000
<b>Total</b>	<b>80,000</b>					<b>80,000</b>

Funding Sources	2024	2025	2026	2027	2028	Total
Customer Contributions-UPM	80,000					80,000
<b>Total</b>	<b>80,000</b>					<b>80,000</b>

#### Budget Impact/Other

Budget Items	2024	2025	2026	2027	2028	Total
Capital Projects	80,000					80,000
<b>Total</b>	<b>80,000</b>					<b>80,000</b>

# Capital Plan

2024 *thru* 2028

## Grand Rapids Public Utilities Commission

**Department** 4d-WWT Sludge Disposal

**Contact** Steve Mattson

**Type** Unassigned

**Useful Life** 30

**Category** WW System

**Priority** 02 - Significant Need

**Status** Active

**Project #** WWSD2301

**Project Name** Landill Cover Work Phase 1-4, Kettle D

**Total Project Cost:** \$2,335,000

### Description

The leachate generation from phase 1-4, kettle D is excessive. In order to get the landfill into post closure care period, the landfill cover needs to be redone.

### Justification

MPCA dicates how much leachate generation should come from a closed landfill, we are currently creating more than we should.

Expenditures	2024	2025	2026	2027	2028	Total
Contractor Labor	2,085,000					2,085,000
<b>Total</b>	<b>2,085,000</b>					<b>2,085,000</b>

Funding Sources	2024	2025	2026	2027	2028	Total
Customer Contributions-UPM	2,085,000					2,085,000
<b>Total</b>	<b>2,085,000</b>					<b>2,085,000</b>

### Budget Impact/Other

Budget Items	2024	2025	2026	2027	2028	Total
Capital Projects	2,085,000					2,085,000
<b>Total</b>	<b>2,085,000</b>					<b>2,085,000</b>

## Capital Plan

2024 *thru* 2028

### Grand Rapids Public Utilities Commission

**Department** 4d-WWT Sludge Disposal

**Contact** Steve Mattson

**Type** Unassigned

**Useful Life** 10

**Category** WW System

**Priority** 02 - Significant Need

**Status** Active

**Total Project Cost:** \$90,000

**Project #** WWSD2302

**Project Name** Landfill Phase Pumps

#### Description

Leachate landfill pumps have a relatively short service life. It is a MPCA landfill requirement to keep leachate head levels below predetermined threshold. Therefore, we must have working pumps and spares on hand.

#### Justification

Leachate landfill pumps have a relatively short service life. It is a MPCA landfill requirement to keep leachate head levels below predetermined threshold. Therefore, we must have working pumps and spares on hand.

Expenditures	2024	2025	2026	2027	2028	Total
Purchases	18,000	18,000	18,000	18,000		72,000
<b>Total</b>	<b>18,000</b>	<b>18,000</b>	<b>18,000</b>	<b>18,000</b>		<b>72,000</b>

Funding Sources	2024	2025	2026	2027	2028	Total
Customer Contributions-UPM	16,560	16,560	16,560	16,560		66,240
Reserves-Unrestricted	1,440	1,440	1,440	1,440		5,760
<b>Total</b>	<b>18,000</b>	<b>18,000</b>	<b>18,000</b>	<b>18,000</b>		<b>72,000</b>

#### Budget Impact/Other

# Capital Plan

2024 *thru* 2028

## Grand Rapids Public Utilities Commission

**Department** 4d-WWT Sludge Disposal

**Contact** Steve Mattson

**Type** Unassigned

**Useful Life** 20

**Category** WW System

**Priority** 02 - Significant Need

**Status** Active

**Total Project Cost:** \$150,000

**Project #** WWSD2401

**Project Name** Landfill Haul Road Repairs

### Description

The haul road is between the Wastewater plant and the GRPUC owned landfill that are south of the WW facility. WW operators haul sludge out to the landfill and haul landfill water (leachate) back to the WW facility for further treatment. Part of the haul road is bituminous and some of it is class 5.

### Justification

The bituminous portion of the haul road is in rough shape and will need to be repaired entirely. The plan is to repair it in portions.

Expenditures	2024	2025	2026	2027	2028	Total
Purchases	50,000	50,000	50,000			150,000
<b>Total</b>	<b>50,000</b>	<b>50,000</b>	<b>50,000</b>			<b>150,000</b>

Funding Sources	2024	2025	2026	2027	2028	Total
Customer Contributions-UPM	50,000	50,000	50,000			150,000
<b>Total</b>	<b>50,000</b>	<b>50,000</b>	<b>50,000</b>			<b>150,000</b>

### Budget Impact/Other



# Capital Plan

2024 *thru* 2028

## Grand Rapids Public Utilities Commission

**Department** 4e-WWT Service Center

**Contact** Steve Mattson

**Type** Unassigned

**Useful Life** 20

**Category** WW System

**Priority** 02 - Significant Need

**Status** Active

**Project #** WWSC2301

**Project Name** Replace Fiber ASV to CSC

**Total Project Cost:** \$54,000

### Description

The fiber optic cable that is used is overhead cable without any tracer wire that is buried. .

### Justification

Expenditures	2024	2025	2026	2027	2028	Total
Contractor Labor		54,000				54,000
<b>Total</b>		<b>54,000</b>				<b>54,000</b>

Funding Sources	2024	2025	2026	2027	2028	Total
Customer Contributions-UPM		37,800				37,800
Reserves-Unrestricted		16,200				16,200
<b>Total</b>		<b>54,000</b>				<b>54,000</b>

### Budget Impact/Other

Budget Items	2024	2025	2026	2027	2028	Total
Capital Projects		54,000				54,000
<b>Total</b>		<b>54,000</b>				<b>54,000</b>

# Capital Plan

2024 *thru* 2028

## Grand Rapids Public Utilities Commission

**Department** 4e-WWT Service Center

**Contact** Steve Mattson

**Type** Unassigned

**Useful Life** 20

**Category** WW System

**Priority** 02 - Significant Need

**Status** Active

**Total Project Cost:** \$5,500

**Project #** WWSC2402

**Project Name** Shop Fume Hood

### Description

The WW maintenance crew uses the shop to weld, sand and paint materials to ensure good quality and life of installs.

### Justification

There is no air removal in the shop, thereby creating an unsafe condition when WW maintenance is doing required work. A fume hood is a means to evacuate poor quality away from the work space.

Expenditures	2024	2025	2026	2027	2028	Total
Purchases	5,500					5,500
<b>Total</b>	<b>5,500</b>					<b>5,500</b>

Funding Sources	2024	2025	2026	2027	2028	Total
Customer Contributions-UPM	5,500					5,500
<b>Total</b>	<b>5,500</b>					<b>5,500</b>

### Budget Impact/Other

Capital Plan  
Grand Rapids Public Utilities Commission

2024 thru 2028

Department 4f-WWT Secondary Treatment  
Contact City  
Type Unassigned  
Useful Life 25  
Category Equipment  
Priority 02 - Significant Need  
Status Active

Project # WWSP1701  
Project Name Secondary Air Header Piping

Total Project Cost: \$875,000

Description  
Replace underground air piping from the blower building to the aeration basins.

Justification  
Aeration equipment must run 24/7/365. There is no redundancy built into system, so reliability is very important. Below grade air lines have failed in past. Failure of these lines to provide oxygen to Aeration basin would result in effluent not meeting permit requirements. Useful life exceeded-mitigate future maintenance costs

Expenditures	2024	2025	2026	2027	2028	Total
Contractor Labor					875,000	875,000
Total					875,000	875,000

Funding Sources	2024	2025	2026	2027	2028	Total
Customer Contributions-Cohasset					13,370	13,370
Customer Contributions-LaPrairie					7,910	7,910
Customer Contributions-UPM					700,000	700,000
Rplcmt Fund-WWC Infrastructure					153,720	153,720
Total					875,000	875,000

Budget Impact/Other

# Capital Plan

2024 *thru* 2028

## Grand Rapids Public Utilities Commission

**Department** 4f-WWT Secondary Treatment

**Contact** Steve Mattson

**Type** Unassigned

**Useful Life** 25

**Category** Equipment

**Priority** 02 - Significant Need

**Status** Active

**Project #** WWSP1702

**Project Name** Rebuild Blower Number 3

**Total Project Cost:** \$80,000

### Description

Rebuild no 3 Dresser Roots blower mechanically and modernize the controls. It is a MPCA permit requirement to have redundant blower equipment in good working order. Aeration equipment must run 24/7/365.

### Justification

The blower needs to be rebuilt and modernize the controls. The blowers need to be able to run as they supply air 24/7 to the operation. The control panel on this has failed so it is no longer usable.

Expenditures	2024	2025	2026	2027	2028	Total
Labor	80,000					80,000
<b>Total</b>	<b>80,000</b>					<b>80,000</b>

Funding Sources	2024	2025	2026	2027	2028	Total
Customer Contributions-Cohasset	1,834					1,834
Customer Contributions-LaPrairie	1,085					1,085
Customer Contributions-UPM	56,000					56,000
Rplcmt Fund-WWC Infrastructure	21,081					21,081
<b>Total</b>	<b>80,000</b>					<b>80,000</b>

### Budget Impact/Other

Budget Items	2024	2025	2026	2027	2028	Total
Capital Projects	80,000					80,000
<b>Total</b>	<b>80,000</b>					<b>80,000</b>



Capital Plan  
Grand Rapids Public Utilities Commission

2024 thru 2028

Department 4f-WWT Secondary Treatment  
Contact Steve Mattson  
Type Unassigned  
Useful Life 20  
Category Equipment  
Priority 02 - Significant Need  
Status Active

Project # WWSP1802

Project Name B1 Pond Dredging

Description

Total Project Cost: \$150,000

Cell B1 only has 6 feet of waterspace above the sludge that has settled over the years. The pond is 15 feet deep so there is 9-10 feet of sludge in it.

Justification

Cell B1 only has 6 feet of waterspace above the sludge that has settled over the years. The pond is 15 feet deep so there is 9-10 feet of sludge in it.

Expenditures	2024	2025	2026	2027	2028	Total
Outside Services		150,000				150,000
Total		150,000				150,000

Funding Sources	2024	2025	2026	2027	2028	Total
Customer Contributions-Cohasset		1,146				1,146
Customer Contributions-LaPrairie		678				678
Customer Contributions-UPM		135,000				135,000
Rplcmt Fund-WWC Infrastructure		13,176				13,176
Total		150,000				150,000

Budget Impact/Other

Budget Items	2024	2025	2026	2027	2028	Total
Capital Projects		150,000				150,000
Total		150,000				150,000

Capital Plan  
Grand Rapids Public Utilities Commission

2024 *thru* 2028

Department 4F-WWT Secondary Treatment

Contact Steve Mattson

Project # WWSP1803  
Project Name Delta V Controllers

Type Unassigned  
Useful Life 10  
Category Equipment  
Priority 01 - Required  
Status Active

Total Project Cost: \$20,000

Description

The MD+ controllers are no longer being supported. We need to upgrade to the MQ controllers for the secondary plant delta V system.

Justification

Budget Impact/Other

Budget Items	2024	2025	2026	2027	2028	Total
Capital Projects	20,000					20,000
Total	20,000					20,000

## Capital Plan

2024 *thru* 2028

### Grand Rapids Public Utilities Commission

**Department** 4f-WWT Secondary Treatment

**Contact** Steve Mattson

**Type** Unassigned

**Useful Life** 20

**Category** Equipment

**Priority** 02 - Significant Need

**Status** Active

**Project #** WWSP1804

**Project Name** Secondary Aeration Basin Mixer Repairs

**Total Project Cost:** \$1,270,000

#### Description

The thirty-plus year old aeration basin mixers need to be overhauled in order to provide the mixing needed within our activated sludge process. This work will include rebuilding the gearbox and replacing the shaft and both lower and upper impellers of two mixers when necessary.

#### Justification

Upon inspection of aeration basins, lower impellers have fallen off, mixer shafts have sheared off. Additionally the gearboxes need to be rebuilt. The project will include removing the existing gearbox, shaft and impellers and replacing with a rebuilt gearbox and a new shaft and impellers. We started this process a few years ago and our industrial partner would like us to continue to work at revamping these.

Expenditures	2024	2025	2026	2027	2028	Total
Purchases	60,000	135,000	175,000	175,000		545,000
<b>Total</b>	<b>60,000</b>	<b>135,000</b>	<b>175,000</b>	<b>175,000</b>		<b>545,000</b>

Funding Sources	2024	2025	2026	2027	2028	Total
Customer Contributions-Cohasset	1,375	4,925	4,011	4,011		14,322
Customer Contributions-LaPrairie	814		2,373	2,373		5,560
Customer Contributions-UPM	42,000	94,500	122,500	122,500		381,500
Reserves-Unrestricted	15,811	35,575	46,116	46,116		143,618
<b>Total</b>	<b>60,000</b>	<b>135,000</b>	<b>175,000</b>	<b>175,000</b>		<b>545,000</b>

#### Budget Impact/Other

By replacing the worn components we can extend the life of the mixer for years as well as prevent the hundreds of thousands of dollars for new.

## Capital Plan

2024 *thru* 2028

### Grand Rapids Public Utilities Commission

**Department** 4f-WWT Secondary Treatment

**Contact** Steve Mattson

**Type** Unassigned

**Useful Life** 25

**Category** Equipment

**Priority** 02 - Significant Need

**Status** Active

**Project #** WWSP2202

**Project Name** Blower Building and Med Voltage Gear

**Total Project Cost:** \$1,408,000

#### Description

Replace medium voltage MCC, upgrade existing blower, blower building electrical, mechanical and structural,

#### Justification

Motor Control Center equipment has aged past useful life and is obsolete, inability to purchase replacement parts. Aeration equipment must run 24/7/365. There is no redundancy built into system, so reliability is very important. Electrical code requires the MCC to be in a different space.

Expenditures	2024	2025	2026	2027	2028	Total
Outside Services					1,408,000	1,408,000
<b>Total</b>					1,408,000	1,408,000

Funding Sources	2024	2025	2026	2027	2028	Total
Customer Contributions-UPM					985,600	985,600
Rplcmt Fund-WWC Infrastructure					422,400	422,400
<b>Total</b>					1,408,000	1,408,000

#### Budget Impact/Other



## Capital Plan

2024 *thru* 2028

### Grand Rapids Public Utilities Commission

**Department** 5-Technology

**Contact** Jean Lane

**Type** Unassigned

**Useful Life** 7

**Category** Computer System

**Priority** 01 - Required

**Status** Active

**Project #** CITE2310

**Project Name** NEW ERP SOFTWARE - UB AR AP PROJ PYRL FS BUDG

**Total Project Cost:** \$405,000

#### Description

New ERP software system. Utility billing, accounts receivable, accounts payable, budget, payroll, projects, financial statements, purchase orders.

#### Justification

Microsoft has given notification they will discontinue support of GP Dynamics within 5 years. Current software is not efficient and lacks reportability.

Expenditures	2024	2025	2026	2027	2028	Total
Purchases	155,000					155,000
<b>Total</b>	<b>155,000</b>					<b>155,000</b>

#### Budget Impact/Other

## Capital Plan

2024 *thru* 2028

### Grand Rapids Public Utilities Commission

**Department** 5-Technology

**Contact** Tyanne Betts

**Type** Unassigned

**Useful Life** 5

**Category** Computer System

**Priority** 03 - Moderate Need

**Status** Active

**Project #** CITE2402

**Project Name** Personal Computer Replacements

**Total Project Cost:**

#### Description

Annual replacement/upgrade of GRPUC personal computers/workstations

#### Justification

Maintenance. Replace personal computers due to obsolescence.

Funding Sources	2024	2025	2026	2027	2028	Total
Customer Contributions-UPM	1,320					1,320
Rplcmt Fund-Elec share/business	1,680					1,680
Rplcmt Fund-Water share/business	600					600
Rplcmt Fund-WWC share/business	400					400
<b>Total</b>	<b>4,000</b>					<b>4,000</b>

#### Budget Impact/Other

## Capital Plan

2024 *thru* 2028

### Grand Rapids Public Utilities Commission

**Department** 5-Technology

**Contact** Tyanne Betts

**Type** Unassigned

**Useful Life** 5

**Category** Computer System

**Priority** 04 - Minor Need

**Status** Active

**Project #** CITE2403

**Project Name** Mobile Computers

**Total Project Cost:**

#### Description

Purchase 2 mobile computers (laptops or tablets)

#### Justification

Improve efficiency. Purchase mobile computers for use by Electric, Water and Wastewater Collection field and maintenance crews for mapping and WO use. Allow better tracking of work.

Funding Sources	2024	2025	2026	2027	2028	Total
Rplcmt Fund-Elec share/business	2,000					2,000
Rplcmt Fund-Water share/business	1,000					1,000
Rplcmt Fund-WWC share/business	1,000					1,000
<b>Total</b>	<b>4,000</b>					<b>4,000</b>

#### Budget Impact/Other

# Capital Plan

2024 *thru* 2028

## Grand Rapids Public Utilities Commission

**Department** 5-Technology

**Contact** Tyanne Betts

**Type** Unassigned

**Useful Life** 5

**Category** Computer System

**Priority** 03 - Moderate Need

**Status** Active

**Total Project Cost:** \$65,000

**Project #** CITE2404

**Project Name** Server Upgrades

### Description

Upgrade host server for GRPUC business network.

### Justification

Maintenance. Network enhancement due to increased technology use.

Expenditures	2024	2025	2026	2027	2028	Total
Purchases	65,000					65,000
<b>Total</b>	<b>65,000</b>					<b>65,000</b>

Funding Sources	2024	2025	2026	2027	2028	Total
Customer Contributions-UPM	16,250					16,250
Rplcmt Fund-Elec share/business	30,550					30,550
Rplcmt Fund-Water share/business	11,050					11,050
Rplcmt Fund-WWC share/business	7,150					7,150
<b>Total</b>	<b>65,000</b>					<b>65,000</b>

### Budget Impact/Other



# Capital Plan

2024 *thru* 2028

## Grand Rapids Public Utilities Commission

**Department** 5-Technology

**Contact** Tyanne Betts

**Type** Unassigned

**Useful Life** 5

**Category** Computer System

**Priority** 02 - Significant Need

**Status** Active

**Total Project Cost:** \$10,000

**Project #** CITE2408

**Project Name** Software Upgrades

### Description

Upgrade GP Dynamics/Cogsdale to latest builds.

### Justification

Maintenance. Annual business accounting software upgrade.

Expenditures	2024	2025	2026	2027	2028	Total
Purchases	10,000					10,000
<b>Total</b>	<b>10,000</b>					<b>10,000</b>

Funding Sources	2024	2025	2026	2027	2028	Total
Customer Contributions-UPM	2,500					2,500
Rplcmt Fund-Elec share/business	4,700					4,700
Rplcmt Fund-Water share/business	1,700					1,700
Rplcmt Fund-WWC share/business	1,100					1,100
<b>Total</b>	<b>10,000</b>					<b>10,000</b>

### Budget Impact/Other

# Capital Plan

2024 *thru* 2028

## Grand Rapids Public Utilities Commission

**Department** 5-Technology

**Contact** Tyanne Betts

**Type** Unassigned

**Useful Life** 5

**Category** Computer System

**Priority** 04 - Minor Need

**Status** Active

**Project #** CITE2409

**Project Name** Miscellaneous Computer Hardware

**Total Project Cost:**

### Description

Replace computer equipment, as needed.

### Justification

Maintenance. Replace failed equipment..

Funding Sources	2024	2025	2026	2027	2028	Total
Customer Contributions-UPM	500					500
Rplcmt Fund-Elec share/business	940					940
Rplcmt Fund-Water share/business	340					340
Rplcmt Fund-WWC share/business	220					220
<b>Total</b>	<b>2,000</b>					<b>2,000</b>

### Budget Impact/Other

Capital Plan  
Grand Rapids Public Utilities Commission

2024 thru 2028

Department 5-Technology  
Contact Tyanne Betts  
Type Unassigned  
Useful Life 5  
Category Computer System  
Priority 03 - Moderate Need  
Status Active

Project # CITE2502

Project Name Personal Computer Replacements

Description

Total Project Cost:

Annual replacement/upgrade of GRPUC personal computers/workstations

Justification

Maintenance. Replace personal computers due to obsolescence.

Funding Sources	2024	2025	2026	2027	2028	Total
Customer Contributions-UPM		1,320				1,320
Rplcmt Fund-Elec share/business		1,680				1,680
Rplcmt Fund-Water share/business		600				600
Rplcmt Fund-WWC share/business		400				400
Total		4,000				4,000

Budget Impact/Other

Capital Plan  
Grand Rapids Public Utilities Commission

2024 *thru* 2028

**Department** 5-Technology  
**Contact** Tyanne Betts  
**Type** Unassigned  
**Useful Life** 5  
**Category** Computer System  
**Priority** 04 - Minor Need  
**Status** Active

**Project #** CITE2503  
**Project Name** Mobile Computers

**Description**

**Total Project Cost:**

Purchase 2 mobile computers (laptops or tablets)

**Justification**

Improve efficiency. Purchase mobile computers for use by Electric, Water and Wastewater Collection field and maintenance crews for mapping and WO use. Allow better tracking of work.

Funding Sources	2024	2025	2026	2027	2028	Total
Rplcmt Fund-Elec share/business		2,000				2,000
Rplcmt Fund-Water share/business		1,000				1,000
Rplcmt Fund-WWC share/business		1,000				1,000
<b>Total</b>		<b>4,000</b>				<b>4,000</b>

**Budget Impact/Other**



# Capital Plan

2024 *thru* 2028

## Grand Rapids Public Utilities Commission

**Department** 5-Technology

**Contact** Tyanne Betts

**Type** Unassigned

**Useful Life** 5

**Category** Computer System

**Priority** 03 - Moderate Need

**Status** Active

**Total Project Cost:** \$12,000

**Project #** CITE2506

**Project Name** Network Switch Upgrades

### Description

Replace/upgrade GRPUC business network switches

### Justification

Maintenance. Scheduled replacement due to technological changes.

Expenditures	2024	2025	2026	2027	2028	Total
Purchases		12,000				12,000
<b>Total</b>		<b>12,000</b>				<b>12,000</b>

Funding Sources	2024	2025	2026	2027	2028	Total
Customer Contributions-UPM		3,000				3,000
Rplcmt Fund-Elec share/business		5,640				5,640
Rplcmt Fund-Water share/business		2,040				2,040
Rplcmt Fund-WWC share/business		1,320				1,320
<b>Total</b>		<b>12,000</b>				<b>12,000</b>

### Budget Impact/Other

# Capital Plan

2024 *thru* 2028

## Grand Rapids Public Utilities Commission

**Department** 5-Technology

**Contact** Tyanne Betts

**Type** Unassigned

**Useful Life** 5

**Category** Computer System

**Priority** 01 - Required

**Status** Active

**Total Project Cost:** \$8,000

**Project #** CITE2507

**Project Name** Computer Backup Hardware

### Description

Upgrade/replace server backup hardware.

### Justification

Maintenance. Replace/upgrade backup hardware due to age/changes in technology.

Expenditures	2024	2025	2026	2027	2028	Total
Purchases		8,000				8,000
<b>Total</b>		<b>8,000</b>				<b>8,000</b>

Funding Sources	2024	2025	2026	2027	2028	Total
Customer Contributions-UPM		2,000				2,000
Rplcmt Fund-Elec share/business		3,760				3,760
Rplcmt Fund-Water share/business		1,360				1,360
Rplcmt Fund-WWC share/business		880				880
<b>Total</b>		<b>8,000</b>				<b>8,000</b>

### Budget Impact/Other

## Capital Plan

2024 *thru* 2028

### Grand Rapids Public Utilities Commission

**Department** 5-Technology

**Contact** Tyanne Betts

**Type** Unassigned

**Useful Life** 5

**Category** Computer System

**Priority** 02 - Significant Need

**Status** Active

**Project #** CITE2508

**Project Name** Software Upgrades

**Total Project Cost:** \$10,000

#### Description

Upgrade GP Dynamics/Cogsdale to latest builds.

#### Justification

Maintenance. Annual business accounting software upgrade.

Expenditures	2024	2025	2026	2027	2028	Total
Purchases		10,000				10,000
<b>Total</b>		<b>10,000</b>				<b>10,000</b>

Funding Sources	2024	2025	2026	2027	2028	Total
Customer Contributions-UPM		2,500				2,500
Rplcmt Fund-Elec share/business		4,700				4,700
Rplcmt Fund-Water share/business		1,700				1,700
Rplcmt Fund-WWC share/business		1,100				1,100
<b>Total</b>		<b>10,000</b>				<b>10,000</b>

#### Budget Impact/Other

## Capital Plan

2024 *thru* 2028

### Grand Rapids Public Utilities Commission

**Department** 5-Technology

**Contact** Tyanne Betts

**Type** Unassigned

**Useful Life** 5

**Category** Computer System

**Priority** 04 - Minor Need

**Status** Active

**Project #** CITE2509

**Project Name** Miscellaneous Computer Hardware

**Total Project Cost:**

#### Description

Replace computer equipment, as needed.

#### Justification

Maintenance. Replace failed equipment..

Funding Sources	2024	2025	2026	2027	2028	Total
Customer Contributions-UPM		500				500
Rplcmt Fund-Elec share/business		940				940
Rplcmt Fund-Water share/business		340				340
Rplcmt Fund-WWC share/business		220				220
<b>Total</b>		<b>2,000</b>				<b>2,000</b>

#### Budget Impact/Other



# Capital Plan

2024 thru 2028

## Grand Rapids Public Utilities Commission

**Department** 6-Service Center

**Contact** Julie Kennedy

**Type** Unassigned

**Useful Life** 20

**Category** Buildings

**Priority** 02 - Significant Need

**Status** Active

**Total Project Cost:** \$40,000

**Project #** CSCW2022

**Project Name** South Gate Replacement

### Description

Replace south gate at CSC so we can card access and mechanical parts protected from outside elements.

### Justification

Facility security

Expenditures	2024	2025	2026	2027	2028	Total
Purchases	35,000					35,000
Labor	5,000					5,000
<b>Total</b>	<b>40,000</b>					<b>40,000</b>

Funding Sources	2024	2025	2026	2027	2028	Total
Rplcmt Fund-Elec share/business	26,000					26,000
Rplcmt Fund-Water share/business	8,000					8,000
Rplcmt Fund-WWC share/business	6,000					6,000
<b>Total</b>	<b>40,000</b>					<b>40,000</b>

### Budget Impact/Other

Budget Items	2024	2025	2026	2027	2028	Total
Capital Projects	40,000					40,000
<b>Total</b>	<b>40,000</b>					<b>40,000</b>

# Capital Plan

2024 *thru* 2028

## Grand Rapids Public Utilities Commission

**Department** 6-Service Center

**Contact** Chad Troumbly

**Type** Unassigned

**Useful Life** 20

**Category** Buildings

**Priority** 02 - Significant Need

**Status** Active

**Total Project Cost:** \$63,000

**Project #** CSCW2102

**Project Name** Building Telephone & Security Upgrade

### Description

Convert key system to upgraded card system.

### Justification

Expenditures	2024	2025	2026	2027	2028	Total
Purchases	35,000					35,000
Labor	13,000					13,000
Contractor Labor	15,000					15,000
<b>Total</b>	<b>63,000</b>					<b>63,000</b>

Funding Sources	2024	2025	2026	2027	2028	Total
Rplcmt Fund-Elec share/business	40,450					40,450
Rplcmt Fund-Water share/business	12,600					12,600
Rplcmt Fund-WWC share/business	9,950					9,950
<b>Total</b>	<b>63,000</b>					<b>63,000</b>

### Budget Impact/Other

## Capital Plan

2024 *thru* 2028

### Grand Rapids Public Utilities Commission

**Department** 6-Service Center

**Contact** Julie Kennedy

**Type** Unassigned

**Useful Life** 20

**Category** Buildings

**Priority** 02 - Significant Need

**Status** Active

**Total Project Cost:** \$80,000

**Project #** CSCW2201

**Project Name** North Roof Replacement

#### Description

Replace north roof

#### Justification

Expenditures	2024	2025	2026	2027	2028	Total
Purchases	80,000					80,000
<b>Total</b>	<b>80,000</b>					<b>80,000</b>

Funding Sources	2024	2025	2026	2027	2028	Total
Rplcmt Fund-Elec share/business	52,000					52,000
Rplcmt Fund-Water share/business	16,000					16,000
Rplcmt Fund-WWC share/business	12,000					12,000
<b>Total</b>	<b>80,000</b>					<b>80,000</b>

#### Budget Impact/Other

# Capital Plan

2024 thru 2028

## Grand Rapids Public Utilities Commission

**Department** 6-Service Center

**Contact** Chad Troumbly

**Project #** CSCW2207

**Project Name** Service Center Backup Generator

**Type** Unassigned

**Useful Life** 20

**Category** Equipment

**Priority** 01 - Required

**Status** Active

**Total Project Cost:** \$38,813

### Description

Backup electrical generator for combined service center.

### Justification

Service center is the emergency operations center during large outages and other events.

Expenditures	2024	2025	2026	2027	2028	Total
Purchases	23,800					23,800
Contractor Labor	15,013					15,013
<b>Total</b>	<b>38,813</b>					<b>38,813</b>

Funding Sources	2024	2025	2026	2027	2028	Total
Grants	349,785					349,785
Rplcmt Fund-Elec share/business	25,262					25,262
Rplcmt Fund-Water share/business	7,773					7,773
Rplcmt Fund-WWC share/business	5,830					5,830
<b>Total</b>	<b>388,650</b>					<b>388,650</b>

### Budget Impact/Other



# Capital Plan

2024 thru 2028

## Grand Rapids Public Utilities Commission

**Department** 6-Service Center

**Contact** Steve Mattson

**Type** Unassigned

**Useful Life** 20

**Category** Buildings

**Priority** 02 - Significant Need

**Status** Active

**Total Project Cost:** \$450,000

**Project #** CSCW2301

**Project Name** South Roof Replacement

### Description

Replace south roof

### Justification

Expenditures	2024	2025	2026	2027	2028	Total
Purchases	450,000					450,000
<b>Total</b>	<b>450,000</b>					<b>450,000</b>

Funding Sources	2024	2025	2026	2027	2028	Total
Rplcmt Fund-Elec share/business	292,500					292,500
Rplcmt Fund-Water share/business	90,000					90,000
Rplcmt Fund-WWC share/business	67,500					67,500
<b>Total</b>	<b>450,000</b>					<b>450,000</b>

### Budget Impact/Other

Budget Items	2024	2025	2026	2027	2028	Total
Capital Projects	450,000					450,000
<b>Total</b>	<b>450,000</b>					<b>450,000</b>

# Capital Plan

2024 *thru* 2028

## Grand Rapids Public Utilities Commission

**Department** 6-Service Center

**Contact** Julie Kennedy

**Type** Unassigned

**Useful Life**

**Category** Buildings

**Priority** 02 - Significant Need

**Status** Active

**Total Project Cost:** \$20,000

**Project #** CSCW2400

**Project Name** Building Improvement

### Description

### Justification

Expenditures	2024	2025	2026	2027	2028	Total
Contractor Labor	20,000					20,000
<b>Total</b>	<b>20,000</b>					<b>20,000</b>

Funding Sources	2024	2025	2026	2027	2028	Total
Rplcmt Fund-Elec share/business	13,000					13,000
Rplcmt Fund-Water share/business	4,000					4,000
Rplcmt Fund-WWC share/business	3,000					3,000
<b>Total</b>	<b>20,000</b>					<b>20,000</b>

### Budget Impact/Other

# Capital Plan

2024 *thru* 2028

## Grand Rapids Public Utilities Commission

Department 6-Service Center

Contact

Type Unassigned

Useful Life

Category Buildings

Priority 03 - Moderate Need

Status Active

Project # CSCW2401

Project Name Ceiling Tile Replacement

Total Project Cost: \$35,000

### Description

The suspended ceiling within the CSC has been water damaged due to leaks in the roof.

### Justification

A significant amount of ceiling tiles are water damaged and need to be replaced.

Expenditures	2024	2025	2026	2027	2028	Total
Purchases	35,000					35,000
<b>Total</b>	<b>35,000</b>					<b>35,000</b>

Funding Sources	2024	2025	2026	2027	2028	Total
Rplcmt Fund-Electric Infrastructure	22,750					22,750
Rplcmt Fund-Water Infrastructure	7,000					7,000
Rplcmt Fund-WWC Infrastructure	5,250					5,250
<b>Total</b>	<b>35,000</b>					<b>35,000</b>

### Budget Impact/Other

Budget Items	2024	2025	2026	2027	2028	Total
Capital Projects	35,000					35,000
<b>Total</b>	<b>35,000</b>					<b>35,000</b>

Capital Plan  
Grand Rapids Public Utilities Commission

2024 thru 2028

Department 6-Service Center

Contact Steve Mattson

Type Unassigned

Useful Life 20

Category Buildings

Priority 02 - Significant Need

Status Active

Total Project Cost: \$18,000

Description

The HVAC units within the CSC provide conditioned air for the office and warehouse.

Justification

The HVAC units have reached the end of their useful life.

Expenditures	2024	2025	2026	2027	2028	Total
Purchases	18,000					18,000
Total	18,000					18,000

Budget Impact/Other

Budget Items	2024	2025	2026	2027	2028	Total
Capital Projects	18,000					18,000
Total	18,000					18,000



## Capital Plan

2024 *thru* 2028

### Grand Rapids Public Utilities Commission

**Department** 6-Service Center

**Contact** Steve Mattson

**Type** Unassigned

**Useful Life**

**Category** Equipment

**Priority** 02 - Significant Need

**Status** Active

**Project #** CSCW2403

**Project Name** CSC Air compressor

**Total Project Cost:** \$30,000

#### Description

The air compressor is used within the CSC truck bay.

#### Justification

The air compressor has reached the end of its useful life.

Expenditures	2024	2025	2026	2027	2028	Total
Purchases	30,000					30,000
<b>Total</b>	<b>30,000</b>					<b>30,000</b>

#### Budget Impact/Other

Budget Items	2024	2025	2026	2027	2028	Total
Capital Projects	30,000					30,000
<b>Total</b>	<b>30,000</b>					<b>30,000</b>

# Capital Plan

2024 *thru* 2028

## Grand Rapids Public Utilities Commission

**Department** 6-Service Center

**Contact** Steve Mattson

**Type** Unassigned

**Useful Life** 20

**Category** Buildings

**Priority** 02 - Significant Need

**Status** Active

**Project #** CSCW2404

**Project Name** CSC Truck Bay Doors

**Total Project Cost:** \$40,000

### Description

The truck bay doors are heavily used throughout the year with both PU and city vehicle traffic.

### Justification

The doors have reached the end of their useful life.

Expenditures	2024	2025	2026	2027	2028	Total
Purchases	40,000					40,000
<b>Total</b>	<b>40,000</b>					<b>40,000</b>

### Budget Impact/Other

Budget Items	2024	2025	2026	2027	2028	Total
Capital Projects	40,000					40,000
<b>Total</b>	<b>40,000</b>					<b>40,000</b>

# Capital Plan

2024 *thru* 2028

## Grand Rapids Public Utilities Commission

**Department** 6-Service Center

**Contact**

**Type** Unassigned

**Useful Life**

**Category** Buildings

**Priority**

**Status** Active

<b>Project #</b>	CSCW2500
<b>Project Name</b>	Misc CSC CIP

<b>Description</b>	<b>Total Project Cost:</b>

<b>Justification</b>

Funding Sources	2024	2025	2026	2027	2028	Total
Rplcmt Fund-Elec share/business		13,000				13,000
Rplcmt Fund-Water share/business		4,000				4,000
Rplcmt Fund-WWC share/business		3,000				3,000
<b>Total</b>		20,000				20,000

<b>Budget Impact/Other</b>

Capital Plan  
Grand Rapids Public Utilities Commission

2024 *thru* 2028

Department 6-Service Center

Contact

Type Unassigned

Useful Life

Category Buildings

Priority

Status Active

Project # CSCW2600  
Project Name Misc CSC CIP

Total Project Cost:

Description

Justification

Funding Sources	2024	2025	2026	2027	2028	Total
Rplcmt Fund-Elec share/business			13,000			13,000
Rplcmt Fund-Water share/business			4,000			4,000
Rplcmt Fund-WWC share/business			3,000			3,000
Total			20,000			20,000

Budget Impact/Other



Capital Plan  
Grand Rapids Public Utilities Commission

2024 thru 2028

Department 6-Service Center  
Contact  
Type Unassigned  
Useful Life  
Category Buildings  
Priority  
Status Active

Project # CSCW2700

Project Name Misc CSC CIP

Description

Total Project Cost:

Justification

Funding Sources	2024	2025	2026	2027	2028	Total
Rplcmt Fund-Elec share/business				13,000		13,000
Rplcmt Fund-Water share/business				4,000		4,000
Rplcmt Fund-WWC share/business				3,000		3,000
Total				20,000		20,000

Budget Impact/Other

GRAND RAPIDS PUBLIC UTILITIES  
Operating Budget - Electric  
For the Twelve Months Ending Sunday, December 31, 2023

	2020	2021	2022	2023	2024
	Actual	Actual	Actual	YTD Sept	Budget
<b>ELECTRIC DEPARTMENT</b>					
<b>OPERATING REVENUES</b>					
City Residential Sales	\$4,035,745.59	\$4,217,360.88	\$4,236,045.14	\$3,222,217.40	\$4,215,560.12
City Commercial Sales	2,531,212.47	2,627,386.82	2,712,751.42	2,104,751.00	2,794,183.38
City Commercial Sales - EVC Sales	118.80	1,162.06	1,980.25	1,979.68	2,434.31
Rural Residential Sales	1,075,240.88	1,114,473.18	1,106,387.45	849,776.43	1,118,202.02
Rural Commercial Sales	338,026.47	390,675.11	404,392.54	297,570.75	399,164.39
City Demand and Energy	4,959,822.67	5,236,998.57	5,492,996.39	4,312,531.73	5,671,652.70
Rural Demand and Energy	210,819.50	225,393.99	225,901.25	183,907.52	236,286.65
City Industrial Sales	1,296,016.81	1,466,929.23	1,695,378.70	1,064,100.17	1,510,576.84
City Load Management Sales	194,592.27	173,993.85	193,123.38	137,467.78	205,300.72
Rural Load Management Sales	121,627.52	109,684.15	126,232.84	84,333.02	126,114.91
<b>TOTAL RETAIL SALES</b>	<b>14,763,222.98</b>	<b>15,564,057.84</b>	<b>16,195,189.36</b>	<b>12,258,635.48</b>	<b>16,279,476.04</b>
ADD: Purchased Power Adjustment Passthru	400,952.76	2,401,455.03	2,557,891.12	975,068.34	1,351,443.51
<b>TOTAL ELECTRIC SALES</b>	<b>15,164,175.74</b>	<b>17,965,512.87</b>	<b>18,753,080.48</b>	<b>13,233,703.82</b>	<b>17,630,919.55</b>
<b>OTHER SERVICES</b>					
Windsense Program Sales					
City Security Lighting	34,835.41	35,951.81	25,548.89	17,194.82	23,155.07
Rural Security Lighting	25,239.87	25,615.88	18,542.45	13,107.42	17,590.42
Public Street and Highway Lighting					
<b>TOTAL OTHER SERVICES</b>	<b>60,075.28</b>	<b>61,567.69</b>	<b>44,091.34</b>	<b>30,302.24</b>	<b>40,745.49</b>
<b>OTHER REVENUES</b>					
Connection Fees	25,285.20	66,954.32	142,203.10	59,218.21	66,000.00
Reconnection Fees	360.00	4,980.00	2,160.00	7,030.00	12,000.00
Penalties on Delinquent Accounts	12,183.71	17,646.90	61,929.09	170,733.14	204,000.00
Pole Rentals	21,415.79	23,577.36	25,669.00		23,000.00
23 kV Capacity Lease	35,868.00	35,868.00	35,868.00	35,868.00	35,800.00
Merchandising and Jobbing (Net)	1,883.66	(225.57)	387.00	1,432.04	
City of Grand Rapids Merch / Jobbing (Net)	1,329.44	359.85		347.76	
Street Light Revenues (Net)	7,415.98	9,998.64	9,674.94	11,752.01	18,000.00
Equipment Rental Revenue					
Allowance for Funds Used During Construction					
Grant Revenue	10,065.28	84,329.00		20,826.38	
Miscellaneous Income	26,830.05	94,633.96	198,649.25	27,926.76	30,000.00
<b>TOTAL OTHER REVENUES</b>	<b>142,637.11</b>	<b>338,122.46</b>	<b>476,540.38</b>	<b>335,134.30</b>	<b>388,800.00</b>
<b>TOTAL ELECTRIC REVENUES</b>	<b>15,366,888.13</b>	<b>18,365,203.02</b>	<b>19,273,712.20</b>	<b>13,599,140.36</b>	<b>18,060,465.04</b>
<b>ELECTRIC DEPARTMENT</b>					
<b>EXPENSES</b>					
Purchased Power	11,069,792.18	13,611,142.91	11,797,927.91	9,332,278.09	11,191,131.00
<b>OPERATING EXPENSES</b>					
Supervision and Engineering	89,308.13	88,820.02	92,403.30	78,113.82	
Wages & Salaries - Full-time			318,006.17	277,685.55	717,000.00
Customer Service Engineer					
Substation Operations	5,579.90	6,334.46	7,262.67	4,223.26	6,108.00
MP Substation Operations				26.56	1,000.00
Overhead Lines	36,004.09	131,601.37	28,355.28	11,620.80	35,000.00
Underground Lines	55,104.11	231,225.03	65,120.16	46,340.40	65,000.00
Locating Expense	15,769.14	37,924.05	13,295.14	(2,148.11)	
Street Lighting		3,176.47			
Security Lighting		52.87	824.54	1,118.35	1,000.00
Meters	79,910.32	75,208.06	23,238.04	12,551.37	20,000.00
Customer Installations	13,129.34	22,802.35	3,111.95	2,915.00	15,000.00
Vehicle Maintenance					24,000.00
Vehicle Leases Plan					35,000.00



GRAND RAPIDS PUBLIC UTILITIES  
Operating Budget - Electric  
For the Twelve Months Ending Sunday, December 31, 2023

	2020	2021	2022	2023	2024
	Actual	Actual	Actual	YTD Sept	Budget
Mapping Expense	34,139.32	47,363.20	(2,903.62)	(24,428.93)	
Small Tools Expense	17,832.55	30,800.72	32,962.61	25,347.56	25,000.00
Safety Expense	29,395.61	30,612.66	22,912.13	18,985.26	30,000.00
Seminar/Training Expense	11,590.32	11,400.63	7,405.57	11,637.14	18,000.00
Uniforms Expense	7,124.31	12,680.59	12,790.97	3,730.78	10,000.00
Miscellaneous Meetings	29,531.50	40,837.53	608.35	35.00	
Rentals	3,026.70	3,381.21	3,264.79	5,321.78	5,000.00
Stores Expense (Labor)	55,826.21	98,587.21	49,259.28	35,979.69	
<b>TOTAL OPERATING EXPENSES</b>	<b>483,271.55</b>	<b>872,808.43</b>	<b>677,917.33</b>	<b>509,055.28</b>	<b>1,007,108.00</b>
<b>MAINTENANCE EXPENSES</b>					
Supervision and Engineering	89,127.73	88,779.54	92,403.00	74,908.31	
Crew Personnel			125,799.66	111,841.08	
Substation Structures	310.88				
Substation Maintenance	29,114.90	26,154.02	8,837.86	5,211.93	3,500.00
MPSubstation Maintenance	24,526.57	25,234.83	29,643.84	18,611.42	25,500.00
Maintenance of Load Managment	1,366.42	1,120.00			6,000.00
Overhead Lines	115,832.74	118,101.29	89,751.04	24,940.39	67,000.00
Overhead Lines-Tree Trimming	58,944.17	64,555.39	100,382.93	143,596.46	162,000.00
Underground Lines	97,135.22	22,119.95	17,272.09	7,177.05	10,000.00
Underground Locates	1,053.36	139.31			
Line Transformers	777.64		60.00	2,120.80	15,000.00
Street Lighting	2,157.74				
Security Lighting	1,172.76	5,046.51	2,117.57	8,160.08	7,000.00
Meters	4,167.61	42,513.45	120.00	120.00	1,000.00
Miscellaneous Plant			24.65		
<b>TOTAL MAINTENANCE EXPENSES</b>	<b>425,687.74</b>	<b>393,764.29</b>	<b>466,412.64</b>	<b>396,687.52</b>	<b>297,000.00</b>
<b>OTHER EXPENSES</b>					
Truck Expense - Operation		4,484.88	5,030.21	(1,876.05)	
Truck Expense - Maintenance					
Operation & Maintenance - Misc Equip					
<b>TOTAL OTHER EXPENSES</b>		<b>4,484.88</b>	<b>5,030.21</b>	<b>(1,876.05)</b>	
<b>ELECTRIC DEPARTMENT</b>					
<b>CUSTOMER ACCOUNTING EXPENSES</b>					
Supervision	(13,007.83)	85,911.82	33,783.57	24,519.36	
Meter Reading	4,034.67	9,871.89	7,397.59	3,021.47	9,000.00
Customer Billing and Accounting	292,131.23	311,733.80	306,236.14	235,119.88	454,004.00
Collecting Expense	2,524.65	50.39	1,558.24	564.90	6,300.00
Uncollectible Accounts	12,273.82	28,450.14	127,829.99	1,555.54	5,000.00
Miscellaneous Expense			117.02	102.53	
Customer Service & Information Expense					
Miscellaneous Customer Information					
<b>TOTAL CUSTOMER ACCOUNTING EXPENSE</b>	<b>297,956.54</b>	<b>436,018.04</b>	<b>476,922.65</b>	<b>264,883.68</b>	<b>474,304.00</b>
<b>CONSERVATION IMPROVEMENT PROGRAMS</b>					
Planning & Evaluation	28,101.84	14,554.29	13,598.34	10,387.25	14,000.00
Energy Star Appliance	4,027.40	14,797.24	18,434.96	9,474.75	14,000.00
Fluorescent LT Recycling	93.00		1,101.02		1,000.00
Resident/Low Income Conservation		3,820.99	23,860.63	6,055.65	7,500.00
Commerical Energy Audits	36,847.03	36,258.28	54,250.16	39,596.84	52,000.00
Commerical Industrial Power Grade	69,535.52	104,879.70	84,006.28	524.05	125,000.00
Load Mgmt Efficiency					2,000.00
Windsense - Admin Exp					
Education	12,356.00	12,004.00		195.00	10,000.00
Solar			2,900.00		12,900.00
<b>TOTAL CONSERVATION IMPROVEMENT PRO</b>	<b>150,960.79</b>	<b>186,314.50</b>	<b>198,151.39</b>	<b>66,233.54</b>	<b>238,400.00</b>
<b>ADMINISTRATIVE AND GENERAL EXPENSES</b>					
Administrative & General Salaries	144,137.07	185,593.58	156,171.55	101,477.85	220,000.00
Commissioner Salaries	8,402.52	8,711.51	8,711.53	7,659.01	9,300.00





GRAND RAPIDS PUBLIC UTILITIES  
Operating Budget - Electric  
For the Twelve Months Ending Sunday, December 31, 2023

	2020	2021	2022	2023	2024
	Actual	Actual	Actual	YTD Sept	Budget
City Treasurer Salary	462.00	462.00	462.00		
General Office Supplies and Phone	3,563.74	14,520.14	10,700.12	5,745.26	8,000.00
Telephone Expense	13,293.47	14,853.09	15,842.89	13,365.52	18,000.00
Accounting Outside Service	17,808.00	18,463.20	26,241.60	21,932.40	15,600.00
Data Processing Outside Service	55,390.69	64,628.68	75,889.63	65,165.33	
Legal Outside Services	9,442.79	11,517.12	5,371.39	3,078.79	12,000.00
Engineering Outside Service	38,875.00				20,000.00
Other - Outside Service	5,642.92	7,069.91	21,345.70	21,523.08	50,000.00
Fiber Optic Outside Service			0.03		
Insurance - Fire	2,292.06	2,414.55	3,002.04	2,882.28	4,518.00
Insurance - Liability	26,951.61	26,984.46	28,925.64	23,042.49	33,054.00
Insurance - Worker's Compensation	25,343.00	26,125.00	31,410.99	24,925.33	33,672.00
Insurance - Worker's Comp Deductible					
Insurance - Auto	2,964.82	3,243.78	3,498.54	2,648.85	3,702.00
Insurance - Miscellaneous	1,104.67	1,320.18	817.71	2,958.33	5,280.00
Insurance Claims- Injuries & Damages			1,000.00	500.00	
Insurance - Group Health	321,475.80	242,071.46	227,780.77	189,210.58	171,000.00
Insurance - Group Health Co-insurance					
Insurance - Group Health HSA funding	38,691.00	66,220.00	62,485.40	51,077.51	30,864.00
Insurance - Group Life	2,396.91	2,395.31	2,515.88	1,998.55	2,844.00
Employee Assistance Programs					
Insurance - Group Dental	10,114.38	13,163.88	12,452.98	9,723.34	8,676.00
Third Party Administrative Cost	986.42	863.88	747.32	495.72	1,080.00
FICA					67,020.00
PERA	(45,111.00)	(107,211.00)	64,107.00		65,700.00
Deferred Compensation					26,280.00
Paid Time Off	192,499.38	215,649.06	208,133.26	145,943.59	
Extended Illness Benefit	9,630.76	10,845.34	1,587.58		
Short-Term Disability Payments					
Disability Insurance	9,555.40	10,413.02	10,849.33	10,232.61	13,476.00
Unemployment Compensation	6,660.00			6,632.10	12,000.00
Membership - APPA	9,419.47	9,605.74	11,023.98	11,447.35	10,000.00
Membership - NEMPA	2,000.00	4,000.00			
Membership - MMUA	30,426.00	30,426.00	30,249.00	30,711.00	31,000.00
Membership - NMMEA					
Membership - Other	1,883.89		1,921.15		2,000.00
Advertising/Promotions				176.11	9,500.00
Amortize Service Territory Costs	34,337.49	34,337.49	34,337.49		34,500.00
Amortize Service Territory Pymt & Economic Dev		38,410.40	37,211.73		37,500.00
Miscellaneous General Expense	36,514.42	8,067.29	73,225.97	39,664.07	12,000.00
Office Equip Rental & Maintenance	11,430.80	10,965.12	14,692.69	18,132.02	13,200.00
Maintenance of General Plant					
TOTAL ADMINISTRATIVE AND GENERAL EXPENSES	1,028,585.48	976,130.19	1,182,712.89	812,349.07	981,766.00
OPERATING INCOME BEFORE DEPRECIATION	1,910,633.85	1,884,539.78	4,468,637.18	2,219,529.23	3,870,756.04
LESS:					
Depreciation	1,104,806.65	911,093.56	928,083.22	681,316.03	908,421.36
Amortization Computer Intangibles	3,085.00	4,338.17	13,583.81	9,845.82	13,584.00
TOTAL OPERATING EXPENSES	14,564,145.93	17,396,094.97	15,746,742.05	12,070,772.98	15,111,714.36
NET OPERATING INCOME	802,742.20	969,108.05	3,526,970.15	1,528,367.38	2,948,750.68
OTHER INCOME					
Extraordinary Income (Loss)					
Interest Income	30,744.54	15,677.09	34,242.81	31,505.35	24,000.00
Property Disposition Gain (Loss)			4,000.00		
Contributions - (Capital)					
Grant Revenues	10,065.28	84,329.00		20,826.38	
TOTAL OTHER INCOME	40,809.82	100,006.09	38,242.81	52,331.73	24,000.00
OTHER EXPENSES					
Payment in Lieu of Tax to City - cash	868,000.00	868,000.00	868,000.00	651,000.01	868,000.00



GRAND RAPIDS PUBLIC UTILITIES  
Operating Budget - Electric  
For the Twelve Months Ending Sunday, December 31, 2023

	2020	2021	2022	2023	2024
	Actual	Actual	Actual	YTD Sept	Budget
Payment in Lieu of Tax to City - Composte Pile	3,855.67	5,287.26	1,423.47	504.00	
Payment in Lieu of Tax to City - Electric Dept	1,681.10	9,001.34	954.33		
Payment in Lieu of Tax to City - W/S Dept					
Payment in Lieu of Tax - Other					
Amortization of Bond Issue Costs - 2021A GO Bonds		2,996.00	2,996.00		3,000.00
Interest Expense & Bond Fees - 2021A GO Revenue		1,731.11	2,270.86	548.26	1,100.00
Other Interest Expense	5,518.90	2,680.69	1,096.75	13,046.21	16,800.00
Solar Garden Expenses		393,640.13	4,402.44	2,856.42	171,719.00
Unusual & Extraordinary Expenses		54,331.00			
Combined Service Center Transfer-in					173,500.00
Human Resources Transfer-in					22,500.00
Information Systems Transfer-in					148,650.00
Information Technology Transfer-in					129,000.00
<b>TOTAL OTHER EXPENSES</b>	<b>879,055.67</b>	<b>1,337,667.53</b>	<b>881,143.85</b>	<b>667,954.90</b>	<b>1,534,269.00</b>
<b>ELECTRIC DEPARTMENT NET INCOME</b>	<b>(35,503.65)</b>	<b>(268,553.39)</b>	<b>2,684,069.11</b>	<b>912,744.21</b>	<b>1,438,481.68</b>



