

Capital Plan

Data in Year 2023 and 2027

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 # ELEC2301
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 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|--------------|---------------|------|------|------|------|---------------|
| Purchases | 40,000 | | | | | 40,000 |
| Total | 40,000 | | | | | 40,000 |

| Funding Sources | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|-------------------------------------|---------------|------|------|------|------|---------------|
| Rplcmt Fund-Electric Infrastructure | 40,000 | | | | | 40,000 |
| Total | 40,000 | | | | | 40,000 |

Budget Impact/Other

Capital Plan

Data in Year 2023 and 2027

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 # ELEC2302
Project Name Distribution System Dual Fuel Services

Total Project Cost: \$2,560

Description

New dual fuel services. GRPU's share of a new dual fuel service used for the load management system.

Justification

Account designated for the GRPUC share of new dual fuel services.
 10 switches,
 One hour labor each: $\$41 \times 10 = \410
 $\$200$ parts each: $\$200 \times 10 = \2000
 Vehicle usage: $\$15 \times 10 = \150

| Expenditures | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|---------------|--------------|------|------|------|------|--------------|
| Labor | 410 | | | | | 410 |
| Inventory | 2,000 | | | | | 2,000 |
| Vehicle Usage | 150 | | | | | 150 |
| Total | 2,560 | | | | | 2,560 |

| Funding Sources | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|-------------------------------------|--------------|------|------|------|------|--------------|
| Rplcmt Fund-Electric Infrastructure | 2,560 | | | | | 2,560 |
| Total | 2,560 | | | | | 2,560 |

Budget Impact/Other

Capital Plan

Data in Year 2023 and 2027

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 # ELEC2303
Project Name Distribution System Security Lighting

Total Project Cost: \$13,880

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 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|--------------|---------------|------|------|------|------|---------------|
| Purchases | 10,000 | | | | | 10,000 |
| Labor | 3,880 | | | | | 3,880 |
| Total | 13,880 | | | | | 13,880 |

| Funding Sources | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|-------------------------------------|---------------|------|------|------|------|---------------|
| Rplcmt Fund-Electric Infrastructure | 13,996 | | | | | 13,996 |
| Total | 13,996 | | | | | 13,996 |

Budget Impact/Other

Capital Plan

Data in Year 2023 and 2027

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 # ELEC2304
Project Name Overhead power line replacements and repairs

Total Project Cost: \$60,000

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 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|---------------------|---------------|-------------|-------------|-------------|-------------|---------------|
| Purchases | 9,000 | | | | | 9,000 |
| Labor | 36,000 | | | | | 36,000 |
| Inventory | 15,000 | | | | | 15,000 |
| Total | 60,000 | | | | | 60,000 |

| Funding Sources | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|-------------------------------------|---------------|-------------|-------------|-------------|-------------|---------------|
| Rplcmt Fund-Electric Infrastructure | 60,000 | | | | | 60,000 |
| Total | 60,000 | | | | | 60,000 |

Budget Impact/Other

Capital Plan

Data in Year 2023 and 2027

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

Grand Rapids Public Utilities Commission

Project # ELEC2305
Project Name Underground power line replacements and repairs

Total Project Cost: \$30,000

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 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|--------------|---------------|------|------|------|------|---------------|
| Purchases | 4,500 | | | | | 4,500 |
| Labor | 18,000 | | | | | 18,000 |
| Inventory | 7,500 | | | | | 7,500 |
| Total | 30,000 | | | | | 30,000 |

| Funding Sources | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|-------------------------------------|---------------|------|------|------|------|---------------|
| Rplcmt Fund-Electric Infrastructure | 30,000 | | | | | 30,000 |
| Total | 30,000 | | | | | 30,000 |

Budget Impact/Other

Capital Plan

Data in Year 2023 and 2027

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 # ELEC2306
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 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|--------------|----------------|------|------|------|------|----------------|
| Inventory | 150,000 | | | | | 150,000 |
| Total | 150,000 | | | | | 150,000 |

| Funding Sources | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|-------------------------------------|----------------|------|------|------|------|----------------|
| Rplcmt Fund-Electric Infrastructure | 150,000 | | | | | 150,000 |
| Total | 150,000 | | | | | 150,000 |

Budget Impact/Other

Capital Plan

Data in Year 2023 and 2027

Grand Rapids Public Utilities Commission

Project # ELEC2307
Project Name Purchase of electric AMI meters

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

Total Project Cost: \$25,000

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 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|--------------|---------------|------|------|------|------|---------------|
| Purchases | 25,000 | | | | | 25,000 |
| Total | 25,000 | | | | | 25,000 |

| Funding Sources | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|-------------------------------------|---------------|------|------|------|------|---------------|
| Rplcmt Fund-Electric Infrastructure | 25,000 | | | | | 25,000 |
| Total | 25,000 | | | | | 25,000 |

Budget Impact/Other

Capital Plan

Data in Year 2023 and 2027

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 # ELEC2311
Project Name Inspect and replace power poles

Total Project Cost: \$50,000

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. Approximately \$1500.00 per pole including pole, inventory, and labor. All GRPU labor.

| Expenditures | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|--------------|---------------|------|------|------|------|---------------|
| Labor | 30,000 | | | | | 30,000 |
| Inventory | 20,000 | | | | | 20,000 |
| Total | 50,000 | | | | | 50,000 |

| Funding Sources | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|-------------------------------------|---------------|------|------|------|------|---------------|
| Rplcmt Fund-Electric Infrastructure | 50,000 | | | | | 50,000 |
| Total | 50,000 | | | | | 50,000 |

Budget Impact/Other

Capital Plan

Data in Year 2023 and 2027

Grand Rapids Public Utilities Commission

Project # ELEC2312
Project Name Convert 7200 volt systems to 23 kV

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

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 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|---------------|----------------|------|------|------|------|----------------|
| Labor | 60,000 | | | | | 60,000 |
| Inventory | 30,000 | | | | | 30,000 |
| Vehicle Usage | 10,000 | | | | | 10,000 |
| Total | 100,000 | | | | | 100,000 |

| Funding Sources | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|-------------------------------------|----------------|------|------|------|------|----------------|
| Rplcmt Fund-Electric Infrastructure | 100,000 | | | | | 100,000 |
| Total | 100,000 | | | | | 100,000 |

Budget Impact/Other

Capital Plan

Data in Year 2023 and 2027

Grand Rapids Public Utilities Commission

Department 1-Electric
Contact Jeremy Goodell
Type Unassigned
Useful Life 30
Category Electric System
Priority 02 - Significant Need
Status Active

Project # ELEC2314
Project Name Electric System Reliability Upgrades

Total Project Cost: \$100,000

Description
 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 | 2023 | 2024 | 2025 | 2026 | 2027 | 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 |
| Total | 100,000 | | | | | 100,000 |

| Funding Sources | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|-------------------------------------|----------------|------|------|------|------|----------------|
| Rplcmt Fund-Electric Infrastructure | 100,000 | | | | | 100,000 |
| Total | 100,000 | | | | | 100,000 |

Budget Impact/Other

Capital Plan

Data in Year 2023 and 2027

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 # ELEC2315
Project Name Crystal Springs Conversion

Total Project Cost: \$146,000

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 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|------------------|----------------|------|------|------|------|----------------|
| Purchases | 54,500 | | | | | 54,500 |
| Labor | 46,500 | | | | | 46,500 |
| Contractor Labor | 45,000 | | | | | 45,000 |
| Total | 146,000 | | | | | 146,000 |

| Funding Sources | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|-------------------------------------|----------------|------|------|------|------|----------------|
| Rplcmt Fund-Electric Infrastructure | 146,000 | | | | | 146,000 |
| Total | 146,000 | | | | | 146,000 |

Budget Impact/Other

Capital Plan

Data in Year 2023 and 2027

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 # ELEC2316
Project Name Maple Street Conversion

Total Project Cost: \$29,000

Description
 Convert Maple Street from overhead to underground

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

| Expenditures | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|------------------|---------------|------|------|------|------|---------------|
| Purchases | 13,000 | | | | | 13,000 |
| Labor | 7,000 | | | | | 7,000 |
| Contractor Labor | 9,000 | | | | | 9,000 |
| Total | 29,000 | | | | | 29,000 |

| Funding Sources | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|-------------------------------------|---------------|------|------|------|------|---------------|
| Rplcmt Fund-Electric Infrastructure | 29,000 | | | | | 29,000 |
| Total | 29,000 | | | | | 29,000 |

Budget Impact/Other

Capital Plan

Data in Year 2023 and 2027

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 # ELEC2317
Project Name SW 1st Ave Conversion

Total Project Cost: \$30,000

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 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|------------------|---------------|------|------|------|------|---------------|
| Purchases | 13,000 | | | | | 13,000 |
| Labor | 8,000 | | | | | 8,000 |
| Contractor Labor | 9,000 | | | | | 9,000 |
| Total | 30,000 | | | | | 30,000 |

| Funding Sources | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|-------------------------------------|---------------|------|------|------|------|---------------|
| Rplcmt Fund-Electric Infrastructure | 30,000 | | | | | 30,000 |
| Total | 30,000 | | | | | 30,000 |

Budget Impact/Other

Capital Plan

Data in Year 2023 and 2027

Grand Rapids Public Utilities Commission

Department 1-Electric
Contact Jeremy Goodell
Type Unassigned
Useful Life 20
Category Vehicles
Priority 02 - Significant Need
Status Active

Project # ELEC2318
Project Name Backyard Machine

Total Project Cost: \$90,000

Description
 Purchase backyard track vehicle

Justification

| Expenditures | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|--------------|---------------|------|------|------|------|---------------|
| Purchases | 90,000 | | | | | 90,000 |
| Total | 90,000 | | | | | 90,000 |

| Funding Sources | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|-------------------------------------|---------------|------|------|------|------|---------------|
| Rplcmt Fund-Electric Infrastructure | 90,000 | | | | | 90,000 |
| Total | 90,000 | | | | | 90,000 |

Budget Impact/Other

| Budget Items | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|------------------|----------------|------|------|------|------|----------------|
| Capital Projects | 200,000 | | | | | 200,000 |
| Total | 200,000 | | | | | 200,000 |

Capital Plan

Data in Year 2023 and 2027

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 \$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 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|--------------|------|---------------|------|------|------|---------------|
| Purchases | | 40,000 | | | | 40,000 |
| Total | | 40,000 | | | | 40,000 |

| Funding Sources | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|-------------------------------------|------|---------------|------|------|------|---------------|
| Rplcmt Fund-Electric Infrastructure | | 40,000 | | | | 40,000 |
| Total | | 40,000 | | | | 40,000 |

Budget Impact/Other

Capital Plan

Data in Year 2023 and 2027

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 # ELEC2402
Project Name Distribution System Dual Fuel Services

Total Project Cost: \$2,637

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 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|---------------|------|--------------|------|------|------|--------------|
| Labor | | 422 | | | | 422 |
| Inventory | | 2,060 | | | | 2,060 |
| Vehicle Usage | | 155 | | | | 155 |
| Total | | 2,637 | | | | 2,637 |

| Funding Sources | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|-------------------------------------|------|--------------|------|------|------|--------------|
| Rplcmt Fund-Electric Infrastructure | | 2,637 | | | | 2,637 |
| Total | | 2,637 | | | | 2,637 |

Budget Impact/Other

Capital Plan

Data in Year 2023 and 2027

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 # ELEC2403
Project Name Distribution System Security Lighting

Total Project Cost: \$14,296

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 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|--------------|------|---------------|------|------|------|---------------|
| Purchases | | 10,300 | | | | 10,300 |
| Labor | | 3,996 | | | | 3,996 |
| Total | | 14,296 | | | | 14,296 |

| Funding Sources | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|-------------------------------------|------|---------------|------|------|------|---------------|
| Rplcmt Fund-Electric Infrastructure | | 14,296 | | | | 14,296 |
| Total | | 14,296 | | | | 14,296 |

Budget Impact/Other

Capital Plan

Data in Year 2023 and 2027

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 # ELEC2404
Project Name Overhead power line replacements and repairs

Total Project Cost: \$61,800

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 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|--------------|------|---------------|------|------|------|---------------|
| Purchases | | 9,270 | | | | 9,270 |
| Labor | | 37,080 | | | | 37,080 |
| Inventory | | 15,450 | | | | 15,450 |
| Total | | 61,800 | | | | 61,800 |

| Funding Sources | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|-------------------------------------|------|---------------|------|------|------|---------------|
| Rplcmt Fund-Electric Infrastructure | | 61,800 | | | | 61,800 |
| Total | | 61,800 | | | | 61,800 |

Budget Impact/Other

Capital Plan

Data in Year 2023 and 2027

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 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|--------------|------|---------------|------|------|------|---------------|
| Purchases | | 4,635 | | | | 4,635 |
| Labor | | 18,540 | | | | 18,540 |
| Inventory | | 7,725 | | | | 7,725 |
| Total | | 30,900 | | | | 30,900 |

| Funding Sources | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|-------------------------------------|------|---------------|------|------|------|---------------|
| Rplcmt Fund-Electric Infrastructure | | 30,000 | | | | 30,000 |
| Total | | 30,000 | | | | 30,000 |

Budget Impact/Other

Capital Plan

Data in Year 2023 and 2027

Grand Rapids Public Utilities Commission

Project # ELEC2406
Project Name Distribution System Transformers

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

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 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|--------------|------|----------------|------|------|------|----------------|
| Inventory | | 150,000 | | | | 150,000 |
| Total | | 150,000 | | | | 150,000 |

| Funding Sources | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|-------------------------------------|------|----------------|------|------|------|----------------|
| Rplcmt Fund-Electric Infrastructure | | 150,000 | | | | 150,000 |
| Total | | 150,000 | | | | 150,000 |

Budget Impact/Other

Capital Plan

Data in Year 2023 and 2027

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 # ELEC2407
Project Name Purchase of electric AMI meters

Total Project Cost: \$25,750

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 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|---------------------|-------------|---------------|-------------|-------------|-------------|---------------|
| Purchases | | 25,750 | | | | 25,750 |
| Total | | 25,750 | | | | 25,750 |

| Funding Sources | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|-------------------------------------|-------------|---------------|-------------|-------------|-------------|---------------|
| Rplcmt Fund-Electric Infrastructure | | 25,750 | | | | 25,750 |
| Total | | 25,750 | | | | 25,750 |

Budget Impact/Other

Capital Plan

Data in Year 2023 and 2027

Grand Rapids Public Utilities Commission

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

Project # ELEC2410
Project Name Replace Truck 84

Total Project Cost: \$35,000

Description
 Replace primary meter technician vehicle.

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

| Expenditures | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|--------------|------|---------------|------|------|------|---------------|
| Purchases | | 35,000 | | | | 35,000 |
| Total | | 35,000 | | | | 35,000 |

| Funding Sources | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|-------------------------------------|------|---------------|------|------|------|---------------|
| Rplcmt Fund-Electric Infrastructure | | 35,000 | | | | 35,000 |
| Total | | 35,000 | | | | 35,000 |

Budget Impact/Other

Capital Plan

Data in Year 2023 and 2027

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 # ELEC2411
Project Name Inspect and replace power poles

Total Project Cost: \$51,500

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 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|--------------|------|---------------|------|------|------|---------------|
| Labor | | 30,900 | | | | 30,900 |
| Inventory | | 20,600 | | | | 20,600 |
| Total | | 51,500 | | | | 51,500 |

| Funding Sources | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|-------------------------------------|------|---------------|------|------|------|---------------|
| Rplcmt Fund-Electric Infrastructure | | 51,500 | | | | 51,500 |
| Total | | 51,500 | | | | 51,500 |

Budget Impact/Other

Capital Plan

Data in Year 2023 and 2027

Grand Rapids Public Utilities Commission

Project # ELEC2412
Project Name Convert 7200 volt systems to 23 kV

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

Total Project Cost: \$50,000

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 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|--------------|------|---------------|------|------|------|---------------|
| Labor | | 20,000 | | | | 20,000 |
| Inventory | | 30,000 | | | | 30,000 |
| Total | | 50,000 | | | | 50,000 |

| Funding Sources | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|-------------------------------------|------|---------------|------|------|------|---------------|
| Rplcmt Fund-Electric Infrastructure | | 50,000 | | | | 50,000 |
| Total | | 50,000 | | | | 50,000 |

Budget Impact/Other

Capital Plan

Data in Year 2023 and 2027

Grand Rapids Public Utilities Commission

Department 1-Electric
Contact Jeremy Goodell
Type Unassigned
Useful Life 20
Category Vehicles
Priority 02 - Significant Need
Status Active

Project # ELEC2413
Project Name Replace Truck 63

Total Project Cost: \$200,000

Description
 Replace Truck 63, large bucket truck.

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

| Expenditures | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|--------------|------|----------------|------|------|------|----------------|
| Purchases | | 200,000 | | | | 200,000 |
| Total | | 200,000 | | | | 200,000 |

| Funding Sources | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|-------------------------------------|------|----------------|------|------|------|----------------|
| Rplcmt Fund-Electric Infrastructure | | 200,000 | | | | 200,000 |
| Total | | 200,000 | | | | 200,000 |

Budget Impact/Other

| Budget Items | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|------------------|----------------|------|------|------|------|----------------|
| Capital Projects | 200,000 | | | | | 200,000 |
| Total | 200,000 | | | | | 200,000 |

Capital Plan

Data in Year 2023 and 2027

Grand Rapids Public Utilities Commission

Department 1-Electric
Contact Jeremy Goodell
Type Unassigned
Useful Life 30
Category Electric System
Priority 02 - Significant Need
Status Active

Project # ELEC2414
Project Name Electric System Reliability Upgrades

Total Project Cost: \$100,000

Description
 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 | 2023 | 2024 | 2025 | 2026 | 2027 | 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 |
| Total | | 100,000 | | | | 100,000 |

| Funding Sources | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|-------------------------------------|------|----------------|------|------|------|----------------|
| Rplcmt Fund-Electric Infrastructure | | 100,000 | | | | 100,000 |
| Total | | 100,000 | | | | 100,000 |

Budget Impact/Other

Capital Plan

Data in Year 2023 and 2027

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 # ELEC2415
Project Name Crystal Springs Conversion

Total Project Cost: \$110,000

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 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|------------------|------|----------------|------|------|------|----------------|
| Purchases | | 45,000 | | | | 45,000 |
| Labor | | 30,000 | | | | 30,000 |
| Contractor Labor | | 35,000 | | | | 35,000 |
| Total | | 110,000 | | | | 110,000 |

| Funding Sources | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|-------------------------------------|------|----------------|------|------|------|----------------|
| Rplcmt Fund-Electric Infrastructure | | 110,000 | | | | 110,000 |
| Total | | 110,000 | | | | 110,000 |

Budget Impact/Other

Capital Plan

Data in Year 2023 and 2027

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 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|--------------|------|------|---------------|------|------|---------------|
| Purchases | | | 40,000 | | | 40,000 |
| Total | | | 40,000 | | | 40,000 |

| Funding Sources | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|-------------------------------------|------|------|---------------|------|------|---------------|
| Rplcmt Fund-Electric Infrastructure | | | 40,000 | | | 40,000 |
| Total | | | 40,000 | | | 40,000 |

Budget Impact/Other

Capital Plan

Data in Year 2023 and 2027

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 # ELEC2502
Project Name Distribution System Dual Fuel Services

Total Project Cost: \$2,716

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 dual fuel services.
 10 switches,
 One hour labor each: $\$41 \times 10 = \410
 $\$200$ parts each: $\$200 \times 10 = \2000
 Vehicle usage: $\$15 \times 10 = \150

| Expenditures | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|---------------|------|------|--------------|------|------|--------------|
| Labor | | | 435 | | | 435 |
| Inventory | | | 2,122 | | | 2,122 |
| Vehicle Usage | | | 159 | | | 159 |
| Total | | | 2,716 | | | 2,716 |

| Funding Sources | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|-------------------------------------|------|------|--------------|------|------|--------------|
| Rplcmt Fund-Electric Infrastructure | | | 2,716 | | | 2,716 |
| Total | | | 2,716 | | | 2,716 |

Budget Impact/Other

Capital Plan

Data in Year 2023 and 2027

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 # ELEC2503
Project Name Distribution System Security Lighting

Total Project Cost: \$14,725

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 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|--------------|------|------|---------------|------|------|---------------|
| Purchases | | | 10,609 | | | 10,609 |
| Labor | | | 4,116 | | | 4,116 |
| Total | | | 14,725 | | | 14,725 |

| Funding Sources | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|-------------------------------------|------|------|---------------|------|------|---------------|
| Rplcmt Fund-Electric Infrastructure | | | 14,725 | | | 14,725 |
| Total | | | 14,725 | | | 14,725 |

Budget Impact/Other

Capital Plan

Data in Year 2023 and 2027

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 # ELEC2504
Project Name Overhead power line replacements and repairs

Total Project Cost: \$63,654

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 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|---------------------|-------------|-------------|---------------|-------------|-------------|---------------|
| Purchases | | | 9,548 | | | 9,548 |
| Labor | | | 38,192 | | | 38,192 |
| Inventory | | | 15,914 | | | 15,914 |
| Total | | | 63,654 | | | 63,654 |

| Funding Sources | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|-------------------------------------|-------------|-------------|---------------|-------------|-------------|---------------|
| Rplcmt Fund-Electric Infrastructure | | | 63,654 | | | 63,654 |
| Total | | | 63,654 | | | 63,654 |

Budget Impact/Other

Capital Plan

Data in Year 2023 and 2027

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 # ELEC2505
Project Name Underground power line replacements and repairs

Total Project Cost: \$31,827

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 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|---------------------|-------------|-------------|---------------|-------------|-------------|---------------|
| Purchases | | | 4,774 | | | 4,774 |
| Labor | | | 19,096 | | | 19,096 |
| Inventory | | | 7,957 | | | 7,957 |
| Total | | | 31,827 | | | 31,827 |

| Funding Sources | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|-------------------------------------|-------------|-------------|---------------|-------------|-------------|---------------|
| Rplcmt Fund-Electric Infrastructure | | | 31,827 | | | 31,827 |
| Total | | | 31,827 | | | 31,827 |

Budget Impact/Other

Capital Plan

Data in Year 2023 and 2027

Grand Rapids Public Utilities Commission

Project # ELEC2506
Project Name Distribution System Transformers

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

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 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|--------------|------|------|---------|------|------|---------|
| Inventory | | | 150,000 | | | 150,000 |
| Total | | | 150,000 | | | 150,000 |

| Funding Sources | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|-------------------------------------|------|------|---------|------|------|---------|
| Rplcmt Fund-Electric Infrastructure | | | 150,000 | | | 150,000 |
| Total | | | 150,000 | | | 150,000 |

Budget Impact/Other

Capital Plan

Data in Year 2023 and 2027

Grand Rapids Public Utilities Commission

Project # ELEC2507
Project Name Purchase of electric AMI meters

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

Total Project Cost: \$26,523

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 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|---------------------|-------------|-------------|---------------|-------------|-------------|---------------|
| Purchases | | | 26,523 | | | 26,523 |
| Total | | | 26,523 | | | 26,523 |

| Funding Sources | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|-------------------------------------|-------------|-------------|---------------|-------------|-------------|---------------|
| Rplcmt Fund-Electric Infrastructure | | | 26,523 | | | 26,523 |
| Total | | | 26,523 | | | 26,523 |

Budget Impact/Other

Capital Plan

Data in Year 2023 and 2027

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 # 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 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|---------------------|-------------|-------------|----------------|-------------|-------------|----------------|
| Purchases | | | 80,000 | | | 80,000 |
| Labor | | | 60,000 | | | 60,000 |
| Contractor Labor | | | 60,000 | | | 60,000 |
| Total | | | 200,000 | | | 200,000 |

| Funding Sources | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|-------------------------------------|-------------|-------------|----------------|-------------|-------------|----------------|
| Rplcmt Fund-Electric Infrastructure | | | 200,000 | | | 200,000 |
| Total | | | 200,000 | | | 200,000 |

Budget Impact/Other

Capital Plan

Data in Year 2023 and 2027

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 # ELEC2511
Project Name Inspect and replace power poles

Total Project Cost: \$53,045

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 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|--------------|------|------|---------------|------|------|---------------|
| Labor | | | 31,827 | | | 31,827 |
| Inventory | | | 21,218 | | | 21,218 |
| Total | | | 53,045 | | | 53,045 |

| Funding Sources | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|-------------------------------------|------|------|---------------|------|------|---------------|
| Rplcmt Fund-Electric Infrastructure | | | 53,045 | | | 53,045 |
| Total | | | 53,045 | | | 53,045 |

Budget Impact/Other

Capital Plan

Data in Year 2023 and 2027

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 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|--------------|------|------|---------|------|------|---------|
| Labor | | | 40,000 | | | 40,000 |
| Inventory | | | 60,000 | | | 60,000 |
| Total | | | 100,000 | | | 100,000 |

| Funding Sources | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|-------------------------------------|------|------|---------|------|------|---------|
| Rplcmt Fund-Electric Infrastructure | | | 100,000 | | | 100,000 |
| Total | | | 100,000 | | | 100,000 |

Budget Impact/Other

Capital Plan

Data in Year 2023 and 2027

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 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|------------------|------|------|----------------|------|------|----------------|
| Purchases | | | 80,000 | | | 80,000 |
| Labor | | | 60,000 | | | 60,000 |
| Contractor Labor | | | 60,000 | | | 60,000 |
| Total | | | 200,000 | | | 200,000 |

| Funding Sources | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|-------------------------------------|------|------|----------------|------|------|----------------|
| Rplcmt Fund-Electric Infrastructure | | | 200,000 | | | 200,000 |
| Total | | | 200,000 | | | 200,000 |

Budget Impact/Other

Capital Plan

Data in Year 2023 and 2027

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 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 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|--------------|------|------|------|---------------|------|---------------|
| Purchases | | | | 40,000 | | 40,000 |
| Total | | | | 40,000 | | 40,000 |

| Funding Sources | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|-------------------------------------|------|------|------|---------------|------|---------------|
| Rplcmt Fund-Electric Infrastructure | | | | 40,000 | | 40,000 |
| Total | | | | 40,000 | | 40,000 |

Budget Impact/Other

Capital Plan

Data in Year 2023 and 2027

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 # ELEC2602
Project Name Distribution System Dual Fuel Services

Total Project Cost: \$2,797

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 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|---------------|------|------|------|--------------|------|--------------|
| Labor | | | | 448 | | 448 |
| Inventory | | | | 2,185 | | 2,185 |
| Vehicle Usage | | | | 164 | | 164 |
| Total | | | | 2,797 | | 2,797 |

| Funding Sources | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|-------------------------------------|------|------|------|--------------|------|--------------|
| Rplcmt Fund-Electric Infrastructure | | | | 2,797 | | 2,797 |
| Total | | | | 2,797 | | 2,797 |

Budget Impact/Other

Capital Plan

Data in Year 2023 and 2027

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 # 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 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|--------------|------|------|------|---------------|------|---------------|
| Purchases | | | | 10,927 | | 10,927 |
| Labor | | | | 4,240 | | 4,240 |
| Total | | | | 15,167 | | 15,167 |

| Funding Sources | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|-------------------------------------|------|------|------|---------------|------|---------------|
| Rplcmt Fund-Electric Infrastructure | | | | 15,167 | | 15,167 |
| Total | | | | 15,167 | | 15,167 |

Budget Impact/Other

Capital Plan

Data in Year 2023 and 2027

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 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|---------------------|-------------|-------------|-------------|---------------|-------------|---------------|
| Purchases | | | | 9,835 | | 9,835 |
| Labor | | | | 39,338 | | 39,338 |
| Inventory | | | | 16,391 | | 16,391 |
| Total | | | | 65,564 | | 65,564 |

| Funding Sources | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|-------------------------------------|-------------|-------------|-------------|---------------|-------------|---------------|
| Rplcmt Fund-Electric Infrastructure | | | | 65,564 | | 65,564 |
| Total | | | | 65,564 | | 65,564 |

Budget Impact/Other

Capital Plan

Data in Year 2023 and 2027

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 # ELEC2605
Project Name Underground power line replacements and repairs

Total Project Cost: \$32,781

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 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|---------------------|-------------|-------------|-------------|---------------|-------------|---------------|
| Purchases | | | | 4,917 | | 4,917 |
| Labor | | | | 19,669 | | 19,669 |
| Inventory | | | | 8,195 | | 8,195 |
| Total | | | | 32,781 | | 32,781 |

| Funding Sources | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|-------------------------------------|-------------|-------------|-------------|---------------|-------------|---------------|
| Rplcmt Fund-Electric Infrastructure | | | | 32,781 | | 32,781 |
| Total | | | | 32,781 | | 32,781 |

Budget Impact/Other

Capital Plan

Data in Year 2023 and 2027

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 # ELEC2606
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 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|--------------|------|------|------|---------|------|---------|
| Inventory | | | | 150,000 | | 150,000 |
| Total | | | | 150,000 | | 150,000 |

| Funding Sources | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|-------------------------------------|------|------|------|---------|------|---------|
| Rplcmt Fund-Electric Infrastructure | | | | 150,000 | | 150,000 |
| Total | | | | 150,000 | | 150,000 |

Budget Impact/Other

Capital Plan

Data in Year 2023 and 2027

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 # ELEC2607
Project Name Purchase of electric AMI meters

Total Project Cost: \$27,318

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 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|---------------------|-------------|-------------|-------------|---------------|-------------|---------------|
| Purchases | | | | 27,318 | | 27,318 |
| Total | | | | 27,318 | | 27,318 |

| Funding Sources | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|-------------------------------------|-------------|-------------|-------------|---------------|-------------|---------------|
| Rplcmt Fund-Electric Infrastructure | | | | 27,318 | | 27,318 |
| Total | | | | 27,318 | | 27,318 |

Budget Impact/Other

Capital Plan

Data in Year 2023 and 2027

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 # ELEC2610
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 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|------------------|------|------|------|----------------|------|----------------|
| Purchases | | | | 80,000 | | 80,000 |
| Labor | | | | 60,000 | | 60,000 |
| Contractor Labor | | | | 60,000 | | 60,000 |
| Total | | | | 200,000 | | 200,000 |

| Funding Sources | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|-------------------------------------|------|------|------|----------------|------|----------------|
| Rplcmt Fund-Electric Infrastructure | | | | 200,000 | | 200,000 |
| Total | | | | 200,000 | | 200,000 |

Budget Impact/Other

Capital Plan

Data in Year 2023 and 2027

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 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|--------------|------|------|------|---------------|------|---------------|
| Labor | | | | 32,782 | | 32,782 |
| Inventory | | | | 21,855 | | 21,855 |
| Total | | | | 54,637 | | 54,637 |

| Funding Sources | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|-------------------------------------|------|------|------|---------------|------|---------------|
| Rplcmt Fund-Electric Infrastructure | | | | 54,637 | | 54,637 |
| Total | | | | 54,637 | | 54,637 |

Budget Impact/Other

Capital Plan

Data in Year 2023 and 2027

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 # ELEC2612
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 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|--------------|------|------|------|----------------|------|----------------|
| Labor | | | | 40,000 | | 40,000 |
| Inventory | | | | 60,000 | | 60,000 |
| Total | | | | 100,000 | | 100,000 |

| Funding Sources | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|-------------------------------------|------|------|------|----------------|------|----------------|
| Rplcmt Fund-Electric Infrastructure | | | | 100,000 | | 100,000 |
| Total | | | | 100,000 | | 100,000 |

Budget Impact/Other

Capital Plan

Data in Year 2023 and 2027

Grand Rapids Public Utilities Commission

Project # ELEC2613
Project Name Overhead to Underground Conversions

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

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 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|------------------|------|------|------|----------------|------|----------------|
| Purchases | | | | 80,000 | | 80,000 |
| Labor | | | | 60,000 | | 60,000 |
| Contractor Labor | | | | 60,000 | | 60,000 |
| Total | | | | 200,000 | | 200,000 |

| Funding Sources | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|-------------------------------------|------|------|------|----------------|------|----------------|
| Rplcmt Fund-Electric Infrastructure | | | | 200,000 | | 200,000 |
| Total | | | | 200,000 | | 200,000 |

Budget Impact/Other

Capital Plan

Data in Year 2023 and 2027

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 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 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|--------------|------|------|------|------|--------|--------|
| Purchases | | | | | 40,000 | 40,000 |
| Total | | | | | 40,000 | 40,000 |

| Funding Sources | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|-------------------------------------|------|------|------|------|--------|--------|
| Rplcmt Fund-Electric Infrastructure | | | | | 40,000 | 40,000 |
| Total | | | | | 40,000 | 40,000 |

Budget Impact/Other

Capital Plan

Data in Year 2023 and 2027

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 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|---------------|------|------|------|------|--------------|--------------|
| Labor | | | | | 461 | 461 |
| Inventory | | | | | 2,251 | 2,251 |
| Vehicle Usage | | | | | 169 | 169 |
| Total | | | | | 2,881 | 2,881 |

| Funding Sources | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|-------------------------------------|------|------|------|------|--------------|--------------|
| Rplcmt Fund-Electric Infrastructure | | | | | 2,881 | 2,881 |
| Total | | | | | 2,881 | 2,881 |

Budget Impact/Other

Capital Plan

Data in Year 2023 and 2027

Grand Rapids Public Utilities Commission

Project # ELEC2703
Project Name Distribution System Security Lighting

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

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 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|--------------|------|------|------|------|---------------|---------------|
| Purchases | | | | | 11,255 | 11,255 |
| Labor | | | | | 4,367 | 4,367 |
| Total | | | | | 15,622 | 15,622 |

| Funding Sources | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|-------------------------------------|------|------|------|------|---------------|---------------|
| Rplcmt Fund-Electric Infrastructure | | | | | 15,622 | 15,622 |
| Total | | | | | 15,622 | 15,622 |

Budget Impact/Other

Capital Plan

Data in Year 2023 and 2027

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 # ELEC2704
Project Name Overhead power line replacements and repairs

Total Project Cost: \$67,531

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 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|--------------|------|------|------|------|---------------|---------------|
| Purchases | | | | | 10,130 | 10,130 |
| Labor | | | | | 40,518 | 40,518 |
| Inventory | | | | | 16,883 | 16,883 |
| Total | | | | | 67,531 | 67,531 |

| Funding Sources | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|-------------------------------------|------|------|------|------|---------------|---------------|
| Rplcmt Fund-Electric Infrastructure | | | | | 67,531 | 67,531 |
| Total | | | | | 67,531 | 67,531 |

Budget Impact/Other

Capital Plan

Data in Year 2023 and 2027

Grand Rapids Public Utilities Commission

Project # ELEC2705
Project Name Underground power line replacements and repairs

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

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 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|--------------|------|------|------|------|---------------|---------------|
| Purchases | | | | | 5,065 | 5,065 |
| Labor | | | | | 20,259 | 20,259 |
| Inventory | | | | | 8,441 | 8,441 |
| Total | | | | | 33,765 | 33,765 |

| Funding Sources | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|-------------------------------------|------|------|------|------|---------------|---------------|
| Rplcmt Fund-Electric Infrastructure | | | | | 33,765 | 33,765 |
| Total | | | | | 33,765 | 33,765 |

Budget Impact/Other

Capital Plan

Data in Year 2023 and 2027

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 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|--------------|------|------|------|------|---------|---------|
| Inventory | | | | | 150,000 | 150,000 |
| Total | | | | | 150,000 | 150,000 |

| Funding Sources | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|-------------------------------------|------|------|------|------|---------|---------|
| Rplcmt Fund-Electric Infrastructure | | | | | 150,000 | 150,000 |
| Total | | | | | 150,000 | 150,000 |

Budget Impact/Other

Capital Plan

Data in Year 2023 and 2027

Grand Rapids Public Utilities Commission

Project # ELEC2707
Project Name Purchase of electric AMI meters

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

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 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|--------------|------|------|------|------|---------------|---------------|
| Purchases | | | | | 28,138 | 28,138 |
| Total | | | | | 28,138 | 28,138 |

| Funding Sources | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|-------------------------------------|------|------|------|------|---------------|---------------|
| Rplcmt Fund-Electric Infrastructure | | | | | 28,138 | 28,138 |
| Total | | | | | 28,138 | 28,138 |

Budget Impact/Other

Capital Plan

Data in Year 2023 and 2027

Grand Rapids Public Utilities Commission

Project # ELEC2711
Project Name Inspect and replace power poles

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

Total Project Cost: \$56,275

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 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|--------------|------|------|------|------|---------------|---------------|
| Labor | | | | | 33,765 | 33,765 |
| Inventory | | | | | 22,510 | 22,510 |
| Total | | | | | 56,275 | 56,275 |

| Funding Sources | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|-------------------------------------|------|------|------|------|---------------|---------------|
| Rplcmt Fund-Electric Infrastructure | | | | | 56,275 | 56,275 |
| Total | | | | | 56,275 | 56,275 |

Budget Impact/Other

Capital Plan

Data in Year 2023 and 2027

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 # 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 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|--------------|------|------|------|------|---------|---------|
| Labor | | | | | 40,000 | 40,000 |
| Inventory | | | | | 60,000 | 60,000 |
| Total | | | | | 100,000 | 100,000 |

| Funding Sources | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|-------------------------------------|------|------|------|------|---------|---------|
| Rplcmt Fund-Electric Infrastructure | | | | | 100,000 | 100,000 |
| Total | | | | | 100,000 | 100,000 |

Budget Impact/Other

Capital Plan

Data in Year 2023 and 2027

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 # ELEC2713
Project Name Overhead to Underground Conversions

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 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|------------------|------|------|------|------|----------------|----------------|
| Purchases | | | | | 160,000 | 160,000 |
| Labor | | | | | 120,000 | 120,000 |
| Contractor Labor | | | | | 120,000 | 120,000 |
| Total | | | | | 400,000 | 400,000 |

| Funding Sources | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|-------------------------------------|------|------|------|------|----------------|----------------|
| Rplcmt Fund-Electric Infrastructure | | | | | 400,000 | 400,000 |
| Total | | | | | 400,000 | 400,000 |

Budget Impact/Other

Capital Plan

Data in Year 2023 and 2027

Grand Rapids Public Utilities Commission

Department 2-Water
Contact Steve Mattson
Type Unassigned
Useful Life 50
Category City Construction or Reconstru
Priority 02 - Significant Need
Status Active

Project # WATR1903
Project Name City Project- NW Street Reconstruction

Total Project Cost: \$157,080

Description
 City Project CP 2025/2016-1A
 Water main replacement.
 6th Ave. NW (TH2 - 5th Str.)
 6th Str. NW (Hwy 38-4th Ave.)
 10th Str. NW (Pokegama Ave. to 4th Ave.)
 2nd Ave NW (11th Str. To dead end)
 11th Str.NW (Hwy 38 to 4th Ave.)

Justification
 City of Grand Rapids NW Reconstruction Feasibility Report

| Expenditures | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|---------------------|-------------|-------------|----------------|-------------|-------------|----------------|
| Contractor Labor | | | 157,080 | | | 157,080 |
| Total | | | 157,080 | | | 157,080 |

| Funding Sources | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|----------------------------------|-------------|-------------|----------------|-------------|-------------|----------------|
| Rplcmt Fund-Water Infrastructure | | | 157,080 | | | 157,080 |
| Total | | | 157,080 | | | 157,080 |

Budget Impact/Other

| Budget Items | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|---------------------|-------------|-------------|----------------|-------------|-------------|----------------|
| Capital Projects | | | 157,080 | | | 157,080 |
| Total | | | 157,080 | | | 157,080 |

Capital Plan

Data in Year 2023 and 2027

Grand Rapids Public Utilities Commission

Department 2-Water
Contact Steve Mattson
Type Unassigned
Useful Life 25
Category City Construction or Reconstru
Priority 03 - Moderate Need
Status Active

Project # WATR1904
Project Name City Project - 11th St. NE (2nd to 3rd Ave.)

Total Project Cost: \$83,600

Description
 City Project No. 2022/2018-4
 Street Reconstruction

Justification
 City of Grand Rapids Feasibility Report

| Expenditures | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|------------------|------|---------------|------|------|------|---------------|
| Contractor Labor | | 83,600 | | | | 83,600 |
| Total | | 83,600 | | | | 83,600 |

| Funding Sources | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|----------------------------------|------|---------------|------|------|------|---------------|
| Rplcmt Fund-Water Infrastructure | | 83,600 | | | | 83,600 |
| Total | | 83,600 | | | | 83,600 |

Budget Impact/Other

| Budget Items | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|------------------|------|---------------|------|------|------|---------------|
| Capital Projects | | 83,600 | | | | 83,600 |
| Total | | 83,600 | | | | 83,600 |

Capital Plan

Data in Year 2023 and 2027

Grand Rapids Public Utilities Commission

Department 2-Water
Contact Steve Mattson
Type Unassigned
Useful Life 50
Category Water System
Priority 03 - Moderate Need
Status Active

Project # WATR2001
Project Name City Project - 5th Ave. NE (TH 2 to 5th St NE)

Total Project Cost: \$35,772

Description
 City Project # 2026/2007-5
 Street Reconstruction
 5th Ave. NE (TH#2 to 5th Str NE)

Justification
 City of Grand Rapids Feasibility Report

| Expenditures | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|------------------|------|------|------|---------------|------|---------------|
| Contractor Labor | | | | 35,772 | | 35,772 |
| Total | | | | 35,772 | | 35,772 |

| Funding Sources | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|----------------------------------|------|------|------|---------------|------|---------------|
| Rplcmt Fund-Water Infrastructure | | | | 35,772 | | 35,772 |
| Total | | | | 35,772 | | 35,772 |

Budget Impact/Other

| Budget Items | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|------------------|------|------|------|---------------|------|---------------|
| Capital Projects | | | | 35,772 | | 35,772 |
| Total | | | | 35,772 | | 35,772 |

Capital Plan

Data in Year 2023 and 2027

Department 2-Water

Grand Rapids Public Utilities Commission

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: \$235,375

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 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|------------------|------|----------------|------|------|------|----------------|
| Contractor Labor | | 235,375 | | | | 235,375 |
| Total | | 235,375 | | | | 235,375 |

| Funding Sources | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|----------------------------------|------|----------------|------|------|------|----------------|
| Rplcmt Fund-Water Infrastructure | | 235,375 | | | | 235,375 |
| Total | | 235,375 | | | | 235,375 |

Budget Impact/Other

| Budget Items | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|------------------|------|----------------|------|------|------|----------------|
| Capital Projects | | 235,375 | | | | 235,375 |
| Total | | 235,375 | | | | 235,375 |

Capital Plan

Data in Year 2023 and 2027

Grand Rapids Public Utilities Commission

Department 2-Water
Contact Steve Mattson
Type Unassigned
Useful Life 50
Category Water System
Priority 03 - Moderate Need
Status Active

Project # WATR2003
Project Name City Project - 11th St NE (2nd- 3rd ave)

Total Project Cost: \$83,600

Description
 City of Grand Rapids project 2024/2018-4

Justification
 City of Grand Rapids Feasibility Report

| Expenditures | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|------------------|------|---------------|------|------|------|---------------|
| Contractor Labor | | 83,600 | | | | 83,600 |
| Total | | 83,600 | | | | 83,600 |

| Funding Sources | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|----------------------------------|------|---------------|------|------|------|---------------|
| Rplcmt Fund-Water Infrastructure | | 83,600 | | | | 83,600 |
| Total | | 83,600 | | | | 83,600 |

Budget Impact/Other

| Budget Items | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|------------------|------|---------------|------|------|------|---------------|
| Capital Projects | | 83,600 | | | | 83,600 |
| Total | | 83,600 | | | | 83,600 |

Capital Plan

Data in Year 2023 and 2027

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 # WATR2004
Project Name Well 2 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
 Well number 2 has not been rehabilitated in ten years.

| Expenditures | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|------------------|---------------|------|------|------|------|---------------|
| Contractor Labor | 55,000 | | | | | 55,000 |
| Total | 55,000 | | | | | 55,000 |

| Funding Sources | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|----------------------------------|---------------|------|------|------|------|---------------|
| Rplcmt Fund-Water Infrastructure | 55,000 | | | | | 55,000 |
| Total | 55,000 | | | | | 55,000 |

Budget Impact/Other

| Budget Items | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|------------------|---------------|------|------|------|------|---------------|
| Capital Projects | 55,000 | | | | | 55,000 |
| Total | 55,000 | | | | | 55,000 |

Capital Plan

Data in Year 2023 and 2027

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: \$152,120

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 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|--------------|---------------|------|------|------|------|---------------|
| Purchases | 20,000 | | | | | 20,000 |
| Labor | 40,000 | | | | | 40,000 |
| Total | 60,000 | | | | | 60,000 |

| Funding Sources | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|----------------------------------|---------------|------|------|------|------|---------------|
| Rplcmt Fund-Water Infrastructure | 60,000 | | | | | 60,000 |
| Total | 60,000 | | | | | 60,000 |

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 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|------------------|---------------|------|------|------|------|---------------|
| Capital Projects | 60,000 | | | | | 60,000 |
| Total | 60,000 | | | | | 60,000 |

Capital Plan

Data in Year 2023 and 2027

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

Project # WATR2101
Project Name City Project - Ha-Car Neighborhood SE, Phase 1

Total Project Cost: \$362,500

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

Justification
 City of Grand Rapids Feasibility Report

| Expenditures | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|------------------|------|------|----------------|------|------|----------------|
| Contractor Labor | | | 362,500 | | | 362,500 |
| Total | | | 362,500 | | | 362,500 |

| Funding Sources | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|----------------------------------|------|------|----------------|------|------|----------------|
| Rplcmt Fund-Water Infrastructure | | | 362,500 | | | 362,500 |
| Total | | | 362,500 | | | 362,500 |

Budget Impact/Other

| Budget Items | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|------------------|------|------|----------------|------|------|----------------|
| Capital Projects | | | 362,500 | | | 362,500 |
| Total | | | 362,500 | | | 362,500 |

Capital Plan

Data in Year 2023 and 2027

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 # WATR2107
Project Name Mid-Tower Coating Repairs

Total Project Cost: \$101,000

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

Justification
 The mid-tower was inspected by KLM engineering and Badger State Inspection. Per both of the reports, there are some areas that will need to be repaired.

| Expenditures | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|------------------|---------------|------|------|------|------|---------------|
| Contractor Labor | 38,000 | | | | | 38,000 |
| Total | 38,000 | | | | | 38,000 |

| Funding Sources | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|----------------------------------|---------------|------|------|------|------|---------------|
| Rplcmt Fund-Water Infrastructure | 38,000 | | | | | 38,000 |
| Total | 38,000 | | | | | 38,000 |

Budget Impact/Other

| Budget Items | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|------------------|---------------|------|------|------|------|---------------|
| Capital Projects | 38,000 | | | | | 38,000 |
| Total | 38,000 | | | | | 38,000 |

Capital Plan

Data in Year 2023 and 2027

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

Grand Rapids Public Utilities Commission

Project # WATR2108
Project Name WTP Security

Total Project Cost: \$43,000

Description
 The Environmental Protection Agency risk and resilience assessment addresses security of the water treatment plant and its distribution system. Card access, door locks, cameras, fencing are all key components to improving site security.

Justification
 Section 2013 of America's Water Infrastructure Act of 2018 (AWIA) requires community water systems that serve more than 3,300 people need to complete a risk and resilience assessment and develop an emergency response plan. This is a big part of security of our system. Things identified were card access, improved door locks, alarm, cameras, and fencing.

| Expenditures | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|------------------|---------------|------|------|------|------|---------------|
| Contractor Labor | 43,000 | | | | | 43,000 |
| Total | 43,000 | | | | | 43,000 |

| Funding Sources | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|-----------------|---------------|------|------|------|------|---------------|
| Grants | 43,000 | | | | | 43,000 |
| Total | 43,000 | | | | | 43,000 |

Budget Impact/Other

| Budget Items | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|------------------|---------------|------|------|------|------|---------------|
| Capital Projects | 43,000 | | | | | 43,000 |
| Total | 43,000 | | | | | 43,000 |

Capital Plan

Data in Year 2023 and 2027

Grand Rapids Public Utilities Commission

Department 2-Water
Contact Dennis Doyle
Type Unassigned
Useful Life 50
Category City Construction or Reconstru
Priority 02 - Significant Need
Status Active

Project # WATR2201
Project Name City Project - 6th Street NE (2nd Ave.-5th Ave.)

Total Project Cost: \$119,239

Description
 City Project 2026/2012-1 Reconstruction. Replace water main. The old main consist of 4-inch CIP.

Justification
 Installed some time between 1900 and 1940. City of Grand Rapids Feasibility Report.

| Expenditures | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|------------------|------|------|------|----------------|------|----------------|
| Contractor Labor | | | | 119,239 | | 119,239 |
| Total | | | | 119,239 | | 119,239 |

| Funding Sources | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|----------------------------------|------|------|------|----------------|------|----------------|
| Rplcmt Fund-Water Infrastructure | | | | 119,239 | | 119,239 |
| Total | | | | 119,239 | | 119,239 |

Budget Impact/Other

| Budget Items | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|------------------|------|------|------|----------------|------|----------------|
| Capital Projects | | | | 119,239 | | 119,239 |
| Total | | | | 119,239 | | 119,239 |

Capital Plan

Data in Year 2023 and 2027

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: \$17,160

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 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|--------------|--------------|------|------|------|------|--------------|
| Purchases | 8,700 | | | | | 8,700 |
| Total | 8,700 | | | | | 8,700 |

| Funding Sources | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|----------------------------------|--------------|------|------|------|------|--------------|
| Rplcmt Fund-Water Infrastructure | 8,700 | | | | | 8,700 |
| Total | 8,700 | | | | | 8,700 |

Budget Impact/Other

| Budget Items | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|------------------|--------------|------|------|------|------|--------------|
| Capital Projects | 8,700 | | | | | 8,700 |
| Total | 8,700 | | | | | 8,700 |

Capital Plan

Data in Year 2023 and 2027

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

Project # WATR2204
Project Name WTP Flow Meters

Total Project Cost: \$30,000

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 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|--------------|---------------|------|------|------|------|---------------|
| Purchases | 24,000 | | | | | 24,000 |
| Labor | 6,000 | | | | | 6,000 |
| Total | 30,000 | | | | | 30,000 |

| Funding Sources | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|----------------------------------|---------------|------|------|------|------|---------------|
| Rplcmt Fund-Water Infrastructure | 30,000 | | | | | 30,000 |
| Total | 30,000 | | | | | 30,000 |

Budget Impact/Other

| Budget Items | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|------------------|---------------|------|------|------|------|---------------|
| Capital Projects | 30,000 | | | | | 30,000 |
| Total | 30,000 | | | | | 30,000 |

Capital Plan

Data in Year 2023 and 2027

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

Project # WATR2205
Project Name WTP Sludge Pump

Total Project Cost: \$11,000

Description
WTP Sludge pump necessary to get rid of the remaining waste from the water production process.

Justification
This pump is 33 years old and past its useful life and is an important part of the water treatment process. A modernized pump will help ensure good water treatment at the facility.

| Expenditures | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|--------------|---------------|------|------|------|------|---------------|
| Purchases | 8,500 | | | | | 8,500 |
| Labor | 2,500 | | | | | 2,500 |
| Total | 11,000 | | | | | 11,000 |

| Funding Sources | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|----------------------------------|---------------|------|------|------|------|---------------|
| Rplcmt Fund-Water Infrastructure | 11,000 | | | | | 11,000 |
| Total | 11,000 | | | | | 11,000 |

Budget Impact/Other

| Budget Items | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|------------------|---------------|------|------|------|------|---------------|
| Capital Projects | 11,000 | | | | | 11,000 |
| Total | 11,000 | | | | | 11,000 |

Capital Plan

Data in Year 2023 and 2027

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

Project # WATR2206
Project Name WTP Sewage Ejector System

Total Project Cost: \$35,000

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 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|--------------|---------------|------|------|------|------|---------------|
| Purchases | 15,000 | | | | | 15,000 |
| Labor | 5,000 | | | | | 5,000 |
| Total | 20,000 | | | | | 20,000 |

| Funding Sources | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|----------------------------------|---------------|------|------|------|------|---------------|
| Rplcmt Fund-Water Infrastructure | 20,000 | | | | | 20,000 |
| Total | 20,000 | | | | | 20,000 |

Budget Impact/Other

| Budget Items | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|------------------|---------------|------|------|------|------|---------------|
| Capital Projects | 20,000 | | | | | 20,000 |
| Total | 20,000 | | | | | 20,000 |

Capital Plan

Data in Year 2023 and 2027

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

Project # WATR2207
Project Name WTP Turbidity Meters

Total Project Cost: \$60,000

Description
 WTP turbidity meters are an essential part of good quality water. They tell the operators when it is time to backwash the filters. The current ones are decades old and do not have spare parts for repair.

Justification
 The current WTP turbidity meters are obsolete and spare parts do no exist.

| Expenditures | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|--------------|---------------|------|------|------|------|---------------|
| Purchases | 27,000 | | | | | 27,000 |
| Labor | 3,000 | | | | | 3,000 |
| Total | 30,000 | | | | | 30,000 |

| Funding Sources | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|----------------------------------|---------------|------|------|------|------|---------------|
| Rplcmt Fund-Water Infrastructure | 30,000 | | | | | 30,000 |
| Total | 30,000 | | | | | 30,000 |

Budget Impact/Other

| Budget Items | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|------------------|---------------|------|------|------|------|---------------|
| Capital Projects | 30,000 | | | | | 30,000 |
| Total | 30,000 | | | | | 30,000 |

Capital Plan

Data in Year 2023 and 2027

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

Project # WATR2208
Project Name WTP Aerator Media

Total Project Cost: \$24,000

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 on hand 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 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|--------------|---------------|------|---------------|------|------|---------------|
| Purchases | 10,000 | | 10,000 | | | 20,000 |
| Labor | 2,000 | | 2,000 | | | 4,000 |
| Total | 12,000 | | 12,000 | | | 24,000 |

| Funding Sources | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|--------------------------------|---------------|------|---------------|------|------|---------------|
| Grants | 12,000 | | | | | 12,000 |
| Rplcmt Fund-WWC Infrastructure | | | 12,000 | | | 12,000 |
| Total | 12,000 | | 12,000 | | | 24,000 |

Budget Impact/Other

| Budget Items | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|------------------|---------------|------|---------------|------|------|---------------|
| Capital Projects | 12,000 | | 12,000 | | | 24,000 |
| Total | 12,000 | | 12,000 | | | 24,000 |

Capital Plan

Data in Year 2023 and 2027

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 # WATR2209
Project Name Fire Hydrant Repairs

Total Project Cost: \$194,000

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 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|--------------|---------------|---------------|---------------|---------------|---------------|----------------|
| Purchases | 35,000 | 25,000 | 20,000 | 20,000 | 20,000 | 120,000 |
| Total | 35,000 | 25,000 | 20,000 | 20,000 | 20,000 | 120,000 |

| Funding Sources | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|----------------------------------|---------------|---------------|---------------|---------------|---------------|----------------|
| Rplcmt Fund-Water Infrastructure | 35,000 | 25,000 | 20,000 | 20,000 | 20,000 | 120,000 |
| Total | 35,000 | 25,000 | 20,000 | 20,000 | 20,000 | 120,000 |

Budget Impact/Other

| Budget Items | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|------------------|---------------|---------------|---------------|---------------|---------------|----------------|
| Capital Projects | 35,000 | 25,000 | 20,000 | 20,000 | 20,000 | 120,000 |
| Total | 35,000 | 25,000 | 20,000 | 20,000 | 20,000 | 120,000 |

Capital Plan

Data in Year 2023 and 2027

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 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|--------------|---------------|------|------|------|------|---------------|
| Purchases | 15,000 | | | | | 15,000 |
| Total | 15,000 | | | | | 15,000 |

| Funding Sources | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|-----------------|---------------|------|------|------|------|---------------|
| Grants | 15,000 | | | | | 15,000 |
| Total | 15,000 | | | | | 15,000 |

Budget Impact/Other

| Budget Items | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|------------------|---------------|------|------|------|------|---------------|
| Capital Projects | 15,000 | | | | | 15,000 |
| Total | 15,000 | | | | | 15,000 |

Capital Plan

Data in Year 2023 and 2027

Department 2-Water

Grand Rapids Public Utilities Commission

Contact Steve Mattson

Project # WATR2212
Project Name WTP Main Valve

Type Unassigned

Useful Life 25

Category Water System

Priority 02 - Significant Need

Status Active

Total Project Cost: \$22,500

Description

The main valve is used to isolate the WTP from the wells. This valve is 33 years old and past its useful life.

Justification

This valve is showing considerable wear and is past its useful life. In order to provide service well into the future it should be strategically replaced.

| Expenditures | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|--------------|---------------|------|------|------|------|---------------|
| Purchases | 20,000 | | | | | 20,000 |
| Labor | 2,500 | | | | | 2,500 |
| Total | 22,500 | | | | | 22,500 |

| Funding Sources | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|-----------------|---------------|------|------|------|------|---------------|
| Grants | 22,500 | | | | | 22,500 |
| Total | 22,500 | | | | | 22,500 |

Budget Impact/Other

| Budget Items | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|------------------|---------------|------|------|------|------|---------------|
| Capital Projects | 22,500 | | | | | 22,500 |
| Total | 22,500 | | | | | 22,500 |

Capital Plan

Data in Year 2023 and 2027

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: \$4,943,400

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 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|------------------|------------------|------|------|------|------|------------------|
| Contractor Labor | 4,943,400 | | | | | 4,943,400 |
| Total | 4,943,400 | | | | | 4,943,400 |

| Funding Sources | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|-----------------|------------------|------|------|------|------|------------------|
| Debt | 2,443,400 | | | | | 2,443,400 |
| Grants | 2,500,000 | | | | | 2,500,000 |
| Total | 4,943,400 | | | | | 4,943,400 |

Budget Impact/Other

| Budget Items | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|------------------|------------------|------|------|------|------|------------------|
| Capital Projects | 4,943,400 | | | | | 4,943,400 |
| Total | 4,943,400 | | | | | 4,943,400 |

Capital Plan

Data in Year 2023 and 2027

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

Project # WATR2301
Project Name City Project - 6th Ave NW (4th to 5th st)

Total Project Cost: \$81,000

Description
 City of Grand Rapids project 2026/2016-1 Street repair and water main replacement.

Justification
 City of Grand Rapids Feasibility Report

| Expenditures | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|------------------|------|------|------|---------------|------|---------------|
| Contractor Labor | | | | 81,000 | | 81,000 |
| Total | | | | 81,000 | | 81,000 |

| Funding Sources | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|----------------------------------|------|------|------|---------------|------|---------------|
| Rplcmt Fund-Water Infrastructure | | | | 81,000 | | 81,000 |
| Total | | | | 81,000 | | 81,000 |

Budget Impact/Other

| Budget Items | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|------------------|------|------|------|---------------|------|---------------|
| Capital Projects | | | | 81,000 | | 81,000 |
| Total | | | | 81,000 | | 81,000 |

Capital Plan

Data in Year 2023 and 2027

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 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|--------------|---------------|------|------|------|------|---------------|
| Purchases | 30,000 | | | | | 30,000 |
| Total | 30,000 | | | | | 30,000 |

| Funding Sources | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|----------------------------------|---------------|------|------|------|------|---------------|
| Rplcmt Fund-Water Infrastructure | 30,000 | | | | | 30,000 |
| Total | 30,000 | | | | | 30,000 |

Budget Impact/Other

| Budget Items | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|------------------|---------------|------|------|------|------|---------------|
| Capital Projects | 30,000 | | | | | 30,000 |
| Total | 30,000 | | | | | 30,000 |

Capital Plan

Data in Year 2023 and 2027

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: \$100,000

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 | 2023 | 2024 | 2025 | 2026 | 2027 | 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 |
| Total | 20,000 | 20,000 | 20,000 | 20,000 | 20,000 | 100,000 |

| Funding Sources | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|----------------------------------|---------------|---------------|---------------|---------------|---------------|----------------|
| Rplcmt Fund-Water Infrastructure | 20,000 | 20,000 | 20,000 | 20,000 | 20,000 | 100,000 |
| Total | 20,000 | 20,000 | 20,000 | 20,000 | 20,000 | 100,000 |

Budget Impact/Other

| Budget Items | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|------------------|---------------|---------------|---------------|---------------|---------------|----------------|
| Capital Projects | 20,000 | 20,000 | 20,000 | 20,000 | 20,000 | 100,000 |
| Total | 20,000 | 20,000 | 20,000 | 20,000 | 20,000 | 100,000 |

Capital Plan

Data in Year 2023 and 2027

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 # WATR2305
Project Name Curb Stop Replacements

Total Project Cost: \$700,000

Description

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

Justification

Maintainence of the dstribution system is necessary to ensure quality control and good customer service.

| Expenditures | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|--------------|----------------|----------------|----------------|----------------|----------------|----------------|
| Purchases | 100,000 | 150,000 | 150,000 | 150,000 | 150,000 | 700,000 |
| Total | 100,000 | 150,000 | 150,000 | 150,000 | 150,000 | 700,000 |

| Funding Sources | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|----------------------------------|----------------|----------------|----------------|----------------|----------------|----------------|
| Rplcmt Fund-Water Infrastructure | 100,000 | 150,000 | 150,000 | 150,000 | 150,000 | 700,000 |
| Total | 100,000 | 150,000 | 150,000 | 150,000 | 150,000 | 700,000 |

Budget Impact/Other

| Budget Items | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|------------------|----------------|----------------|----------------|----------------|----------------|----------------|
| Capital Projects | 100,000 | 150,000 | 150,000 | 150,000 | 150,000 | 700,000 |
| Total | 100,000 | 150,000 | 150,000 | 150,000 | 150,000 | 700,000 |

Capital Plan

Data in Year 2023 and 2027

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

Project # WATR2306
Project Name City Project - City Wide Overlays- Sylvan

Total Project Cost: \$1,712,000

Description
 City Project 2023/2015-1

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

| Expenditures | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|------------------|------------------|----------------|------|------|------|------------------|
| Contractor Labor | 1,202,000 | 510,000 | | | | 1,712,000 |
| Total | 1,202,000 | 510,000 | | | | 1,712,000 |

| Funding Sources | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|-----------------|------------------|----------------|------|------|------|------------------|
| Debt | 1,202,000 | 510,000 | | | | 1,712,000 |
| Total | 1,202,000 | 510,000 | | | | 1,712,000 |

Budget Impact/Other

| Budget Items | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|------------------|------------------|----------------|------|------|------|------------------|
| Capital Projects | 1,202,000 | 510,000 | | | | 1,712,000 |
| Total | 1,202,000 | 510,000 | | | | 1,712,000 |

Capital Plan

Data in Year 2023 and 2027

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: \$5,000

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 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|--------------|--------------|------|------|------|------|--------------|
| Purchases | 5,000 | | | | | 5,000 |
| Total | 5,000 | | | | | 5,000 |

| Funding Sources | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|----------------------------------|--------------|------|------|------|------|--------------|
| Rplcmt Fund-Water Infrastructure | 5,000 | | | | | 5,000 |
| Total | 5,000 | | | | | 5,000 |

Budget Impact/Other

| Budget Items | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|------------------|--------------|------|------|------|------|--------------|
| Capital Projects | 5,000 | | | | | 5,000 |
| Total | 5,000 | | | | | 5,000 |

Capital Plan

Data in Year 2023 and 2027

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

Project # WATR2308
Project Name Radio Communication Upgrades

Total Project Cost: \$30,000

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 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|--------------|---------------|------|------|------|------|---------------|
| Purchases | 30,000 | | | | | 30,000 |
| Total | 30,000 | | | | | 30,000 |

| Funding Sources | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|----------------------------------|---------------|------|------|------|------|---------------|
| Rplcmt Fund-Water Infrastructure | 30,000 | | | | | 30,000 |
| Total | 30,000 | | | | | 30,000 |

Budget Impact/Other

| Budget Items | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|------------------|---------------|------|------|------|------|---------------|
| Capital Projects | 30,000 | | | | | 30,000 |
| Total | 30,000 | | | | | 30,000 |

Capital Plan

Data in Year 2023 and 2027

Department 2-Water

Grand Rapids Public Utilities Commission

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: \$15,000

Description

The process network at GRPU is isolated from the internet to satisfy risk and resilience with the EPA/MN DOH and it works on its own independent 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 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|------------------|---------------|------|------|------|------|---------------|
| Contractor Labor | 15,000 | | | | | 15,000 |
| Total | 15,000 | | | | | 15,000 |

| Funding Sources | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|----------------------------------|---------------|------|------|------|------|---------------|
| Rplcmt Fund-Water Infrastructure | 7,500 | | | | | 7,500 |
| Rplcmt Fund-WWC Infrastructure | 7,500 | | | | | 7,500 |
| Total | 15,000 | | | | | 15,000 |

Budget Impact/Other

| Budget Items | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|------------------|---------------|------|------|------|------|---------------|
| Capital Projects | 15,000 | | | | | 15,000 |
| Total | 15,000 | | | | | 15,000 |

Capital Plan

Data in Year 2023 and 2027

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: \$150,000

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 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|------------------|----------------|------|------|------|------|----------------|
| Contractor Labor | 150,000 | | | | | 150,000 |
| Total | 150,000 | | | | | 150,000 |

| Funding Sources | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|----------------------------------|----------------|------|------|------|------|----------------|
| Rplcmt Fund-Water Infrastructure | 150,000 | | | | | 150,000 |
| Total | 150,000 | | | | | 150,000 |

Budget Impact/Other

| Budget Items | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|------------------|----------------|------|------|------|------|----------------|
| Capital Projects | 150,000 | | | | | 150,000 |
| Total | 150,000 | | | | | 150,000 |

Capital Plan

Data in Year 2023 and 2027

Grand Rapids Public Utilities Commission

Department 2-Water
Contact Steve Mattson
Type Unassigned
Useful Life 30
Category City Construction or Reconstru
Priority 01 - Required
Status Active

Project # WATR2311
Project Name City Project - River Road Roundabout

Total Project Cost: \$144,245

Description
 Itasca County is renovating the intersection of River Road and Airport Road with a roundabout. The infrastructure under the road is 47 to 64 years old and needs to be replaced.

Justification
 City of Grand Rapids Feasibility Report, Itasca County Road reconstruction project

| Expenditures | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|------------------|---------------|------|------|------|------|---------------|
| Contractor Labor | 82,455 | | | | | 82,455 |
| Total | 82,455 | | | | | 82,455 |

| Funding Sources | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|-------------------------------------|---------------|------|------|------|------|---------------|
| Rplcmt Fund-Electric Infrastructure | 82,455 | | | | | 82,455 |
| Total | 82,455 | | | | | 82,455 |

Budget Impact/Other

| Budget Items | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|------------------|---------------|------|------|------|------|---------------|
| Capital Projects | 82,455 | | | | | 82,455 |
| Total | 82,455 | | | | | 82,455 |

Capital Plan

Data in Year 2023 and 2027

Department 2-Water

Grand Rapids Public Utilities Commission

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: \$1,850,000

Description

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.

Justification

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

| Expenditures | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|------------------|----------------|----------------|----------------|----------------|----------------|------------------|
| Contractor Labor | 350,000 | 350,000 | 350,000 | 400,000 | 400,000 | 1,850,000 |
| Total | 350,000 | 350,000 | 350,000 | 400,000 | 400,000 | 1,850,000 |

| Funding Sources | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|-----------------|----------------|----------------|----------------|----------------|----------------|------------------|
| Debt | 350,000 | 350,000 | 350,000 | 400,000 | 400,000 | 1,850,000 |
| Total | 350,000 | 350,000 | 350,000 | 400,000 | 400,000 | 1,850,000 |

Budget Impact/Other

| Budget Items | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|------------------|----------------|----------------|----------------|----------------|----------------|------------------|
| Capital Projects | 350,000 | 350,000 | 350,000 | 400,000 | 400,000 | 1,850,000 |
| Total | 350,000 | 350,000 | 350,000 | 400,000 | 400,000 | 1,850,000 |

Capital Plan

Data in Year 2023 and 2027

Grand Rapids Public Utilities Commission

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

Project # WATR2313
Project Name City Project - Paradise Park

Total Project Cost: \$85,000

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 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|------------------|---------------|------|------|------|------|---------------|
| Contractor Labor | 85,000 | | | | | 85,000 |
| Total | 85,000 | | | | | 85,000 |

| Funding Sources | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|----------------------------------|---------------|------|------|------|------|---------------|
| Rplcmt Fund-Water share/business | 85,000 | | | | | 85,000 |
| Total | 85,000 | | | | | 85,000 |

Budget Impact/Other

| Budget Items | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|------------------|---------------|------|------|------|------|---------------|
| Capital Projects | 85,000 | | | | | 85,000 |
| Total | 85,000 | | | | | 85,000 |

Capital Plan

Data in Year 2023 and 2027

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

Project # WATR2401
Project Name NEW WELL

Description **Total Project Cost:** \$590,000
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 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|--------------|------|----------------|------|------|------|----------------|
| Purchases | | 590,000 | | | | 590,000 |
| Total | | 590,000 | | | | 590,000 |

Budget Impact/Other

Capital Plan

Data in Year 2023 and 2027

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: \$45,000

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 in ten years.

| Expenditures | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|------------------|------|---------------|------|------|------|---------------|
| Contractor Labor | | 45,000 | | | | 45,000 |
| Total | | 45,000 | | | | 45,000 |

| Funding Sources | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|----------------------------------|------|---------------|------|------|------|---------------|
| Rplcmt Fund-Water Infrastructure | | 45,000 | | | | 45,000 |
| Total | | 45,000 | | | | 45,000 |

Budget Impact/Other

| Budget Items | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|------------------|------|---------------|------|------|------|---------------|
| Capital Projects | | 45,000 | | | | 45,000 |
| Total | | 45,000 | | | | 45,000 |

Capital Plan

Data in Year 2023 and 2027

Grand Rapids Public Utilities Commission

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

Project # WATR2403
Project Name S-E-H Projects from Study

Total Project Cost: \$1,300,000

Description
 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 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|------------------|------|----------------|----------------|----------------|----------------|------------------|
| Contractor Labor | | 400,000 | 350,000 | 250,000 | 300,000 | 1,300,000 |
| Total | | 400,000 | 350,000 | 250,000 | 300,000 | 1,300,000 |

| Funding Sources | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|-----------------|------|----------------|----------------|----------------|----------------|------------------|
| Debt | | 400,000 | 350,000 | 250,000 | 300,000 | 1,300,000 |
| Total | | 400,000 | 350,000 | 250,000 | 300,000 | 1,300,000 |

Budget Impact/Other

| Budget Items | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|------------------|------|----------------|----------------|----------------|----------------|------------------|
| Capital Projects | | 400,000 | 350,000 | 250,000 | 300,000 | 1,300,000 |
| Total | | 400,000 | 350,000 | 250,000 | 300,000 | 1,300,000 |

Capital Plan

Data in Year 2023 and 2027

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 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|------------------|------|------|----------------|------|------|----------------|
| Contractor Labor | | | 150,000 | | | 150,000 |
| Total | | | 150,000 | | | 150,000 |

| Funding Sources | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|----------------------------------|------|------|----------------|------|------|----------------|
| Rplcmt Fund-Water Infrastructure | | | 150,000 | | | 150,000 |
| Total | | | 150,000 | | | 150,000 |

Budget Impact/Other

| Budget Items | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|------------------|------|------|----------------|------|------|----------------|
| Capital Projects | | | 150,000 | | | 150,000 |
| Total | | | 150,000 | | | 150,000 |

Capital Plan

Data in Year 2023 and 2027

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

Project # WATR2601
Project Name City Project - Ha-car Neighborhood, Phase 2

Total Project Cost: \$362,500

Description
 City Project 2026/2021-1
 Street Reconstruction

Justification
 City of Grand Rapids Feasibility Report

| Expenditures | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|------------------|------|------|------|----------------|------|----------------|
| Contractor Labor | | | | 362,500 | | 362,500 |
| Total | | | | 362,500 | | 362,500 |

| Funding Sources | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|----------------------------------|------|------|------|----------------|------|----------------|
| Rplcmt Fund-Water Infrastructure | | | | 362,500 | | 362,500 |
| Total | | | | 362,500 | | 362,500 |

Budget Impact/Other

| Budget Items | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|------------------|------|------|------|----------------|------|----------------|
| Capital Projects | | | | 362,500 | | 362,500 |
| Total | | | | 362,500 | | 362,500 |

Capital Plan

Data in Year 2023 and 2027

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 # WATR2703
Project Name Tower Painting

Total Project Cost: \$700,000

Description
 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 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|------------------|------|------|------|------|----------------|----------------|
| Contractor Labor | | | | | 700,000 | 700,000 |
| Total | | | | | 700,000 | 700,000 |

| Funding Sources | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|----------------------------------|------|------|------|------|----------------|----------------|
| Rplcmt Fund-Water Infrastructure | | | | | 700,000 | 700,000 |
| Total | | | | | 700,000 | 700,000 |

Budget Impact/Other

| Budget Items | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|------------------|------|------|------|------|----------------|----------------|
| Capital Projects | | | | | 700,000 | 700,000 |
| Total | | | | | 700,000 | 700,000 |

Capital Plan

Data in Year 2023 and 2027

Grand Rapids Public Utilities Commission

Department 3-Wastewater Collection

Contact Steve Mattson

Type Unassigned

Useful Life 50

Category WW System

Priority 04 - Minor Need

Status Active

Total Project Cost: \$200,000

| | |
|---------------------|---------------------------|
| Project # | WWCO1804 |
| Project Name | Mains and Services |

| |
|--|
| Description |
| 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. |

| |
|--|
| Justification |
| Minor replacement of mains, services and manholes is necessary to maintain and or improve systems reliability. |

| Expenditures | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|---------------------|---------------|---------------|---------------|-------------|-------------|---------------|
| Purchases | 15,000 | 15,000 | 15,000 | | | 45,000 |
| Total | 15,000 | 15,000 | 15,000 | | | 45,000 |

| Funding Sources | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|--------------------------------|---------------|---------------|---------------|-------------|-------------|---------------|
| Rplcmt Fund-WWC Infrastructure | 15,000 | 15,000 | 15,000 | | | 45,000 |
| Total | 15,000 | 15,000 | 15,000 | | | 45,000 |

| |
|----------------------------|
| Budget Impact/Other |
| |

| Budget Items | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|---------------------|---------------|---------------|---------------|-------------|-------------|---------------|
| Capital Projects | 15,000 | 15,000 | 15,000 | | | 45,000 |
| Total | 15,000 | 15,000 | 15,000 | | | 45,000 |

Capital Plan

Data in Year 2023 and 2027

Department 3-Wastewater Collection

Grand Rapids Public Utilities Commission

Contact Steve Mattson

Project # WWCO1805
Project Name Manhole Replacements

Type Unassigned

Useful Life 20

Category WW System

Priority 02 - Significant Need

Status Active

Total Project Cost: \$322,500

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

Maintenance 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 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|---------------------|---------------|---------------|----------------|---------------|---------------|----------------|
| Purchases | 15,000 | 65,000 | 70,000 | 20,000 | 20,000 | 190,000 |
| Labor | 5,000 | 10,000 | 30,000 | 5,000 | 5,000 | 55,000 |
| Total | 20,000 | 75,000 | 100,000 | 25,000 | 25,000 | 245,000 |

| Funding Sources | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|--------------------------------|---------------|---------------|---------------|---------------|---------------|----------------|
| Rplcmt Fund-WWC Infrastructure | 20,000 | 75,000 | 75,000 | 25,000 | 25,000 | 220,000 |
| Total | 20,000 | 75,000 | 75,000 | 25,000 | 25,000 | 220,000 |

Budget Impact/Other

| Budget Items | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|---------------------|---------------|---------------|---------------|---------------|---------------|----------------|
| Capital Projects | 20,000 | 75,000 | 75,000 | 25,000 | 25,000 | 220,000 |
| Total | 20,000 | 75,000 | 75,000 | 25,000 | 25,000 | 220,000 |

Capital Plan

Data in Year 2023 and 2027

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 # WWCO1904
Project Name City Project - NW Street Reconstruction

Total Project Cost: \$114,600

Description
 City of Grand Rapids project 2025/2016-1A

Justification
 NW Reconstruction Feasibility Report
 Sewer Main replacement.
 6th Ave. NW (TH2 - 5th Str.)
 6th Str. NW (Hwy 38-4th Ave.)
 10th Str. NW (Pokegama Ave. to 4th Ave.)
 2nd Ave NW (11th Str. To dead end)
 11th Str.NW (Hwy 38 to 4th Ave.)

| Expenditures | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|---------------------|-------------|-------------|----------------|-------------|-------------|----------------|
| Contractor Labor | | | 114,600 | | | 114,600 |
| Total | | | 114,600 | | | 114,600 |

| Funding Sources | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|--------------------------------|-------------|-------------|----------------|-------------|-------------|----------------|
| Rplcmt Fund-WWC Infrastructure | | | 114,600 | | | 114,600 |
| Total | | | 114,600 | | | 114,600 |

Budget Impact/Other

| Budget Items | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|---------------------|-------------|-------------|----------------|-------------|-------------|----------------|
| Capital Projects | | | 114,600 | | | 114,600 |
| Total | | | 114,600 | | | 114,600 |

Capital Plan

Data in Year 2023 and 2027

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 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|------------------|------|------|------|---------------|------|---------------|
| Contractor Labor | | | | 66,435 | | 66,435 |
| Total | | | | 66,435 | | 66,435 |

| Funding Sources | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|--------------------------------|------|------|------|---------------|------|---------------|
| Rplcmt Fund-WWC Infrastructure | | | | 66,435 | | 66,435 |
| Total | | | | 66,435 | | 66,435 |

Budget Impact/Other

| Budget Items | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|------------------|------|------|------|---------------|------|---------------|
| Capital Projects | | | | 66,435 | | 66,435 |
| Total | | | | 66,435 | | 66,435 |

Capital Plan

Data in Year 2023 and 2027

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 # WWCO2002
Project Name City Project - 3rd Av.NE (4-8th) 7th st (3rd -5th)

Total Project Cost: \$25,000

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 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|------------------|------|---------------|------|------|------|---------------|
| Contractor Labor | | 25,000 | | | | 25,000 |
| Total | | 25,000 | | | | 25,000 |

| Funding Sources | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|--------------------------------|------|---------------|------|------|------|---------------|
| Rplcmt Fund-WWC Infrastructure | | 25,000 | | | | 25,000 |
| Total | | 25,000 | | | | 25,000 |

Budget Impact/Other

| Budget Items | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|------------------|------|---------------|------|------|------|---------------|
| Capital Projects | | 25,000 | | | | 25,000 |
| Total | | 25,000 | | | | 25,000 |

Capital Plan

Data in Year 2023 and 2027

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 # WWCO2003
Project Name City Project - 11th Ave NE (5-7th St NE)

Total Project Cost: \$115,000

Description
 City Project 2020/2020-1

Justification
 City of Grand Rapids Feasibility Report

| Expenditures | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|------------------|------|------|------|----------------|------|----------------|
| Contractor Labor | | | | 115,000 | | 115,000 |
| Total | | | | 115,000 | | 115,000 |

| Funding Sources | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|--------------------------------|------|------|------|----------------|------|----------------|
| Rplcmt Fund-WWC Infrastructure | | | | 115,000 | | 115,000 |
| Total | | | | 115,000 | | 115,000 |

Budget Impact/Other

| Budget Items | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|------------------|------|------|------|----------------|------|----------------|
| Capital Projects | | | | 115,000 | | 115,000 |
| Total | | | | 115,000 | | 115,000 |

Capital Plan

Data in Year 2023 and 2027

Department 3-Wastewater Collection

Grand Rapids Public Utilities Commission

Contact Steve Mattson

Project # WWCO2005
Project Name Lift Station Pumps

Type Unassigned

Useful Life 20

Category Equipment

Priority 01 - Required

Status Active

Total Project Cost: \$291,323

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 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|--------------|---------------|---------------|---------------|---------------|---------------|----------------|
| Purchases | 35,000 | 35,000 | 38,000 | 40,000 | 40,000 | 188,000 |
| Total | 35,000 | 35,000 | 38,000 | 40,000 | 40,000 | 188,000 |

| Funding Sources | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|--------------------------------|---------------|---------------|---------------|---------------|---------------|----------------|
| Rplcmt Fund-WWC Infrastructure | 35,000 | 35,000 | 38,000 | 40,000 | 40,000 | 188,000 |
| Total | 35,000 | 35,000 | 38,000 | 40,000 | 40,000 | 188,000 |

Budget Impact/Other

| Budget Items | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|------------------|---------------|------|------|------|------|---------------|
| Capital Projects | 27,000 | | | | | 27,000 |
| Total | 27,000 | | | | | 27,000 |

Capital Plan

Data in Year 2023 and 2027

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

Project # WWCO2021
Project Name City Project - Ha-Car SE Neighborhood, Phase 1

Total Project Cost: \$250,000

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

Justification
 City of Grand Rapids feasibility report

| Expenditures | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|------------------|------|------|------|---------|------|---------|
| Contractor Labor | | | | 250,000 | | 250,000 |
| Total | | | | 250,000 | | 250,000 |

| Funding Sources | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|--------------------------------|------|------|------|---------|------|---------|
| Rplcmt Fund-WWC Infrastructure | | | | 250,000 | | 250,000 |
| Total | | | | 250,000 | | 250,000 |

Budget Impact/Other

| Budget Items | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|------------------|------|------|------|---------|------|---------|
| Capital Projects | | | | 250,000 | | 250,000 |
| Total | | | | 250,000 | | 250,000 |

Capital Plan

Data in Year 2023 and 2027

Department 3-Wastewater Collection

Grand Rapids Public Utilities Commission

Contact Steve Mattson

Project # WWCO2103
Project Name DeltaV Secondary for Clinic Lift plus alarm agent

Type Unassigned

Useful Life 10

Category WW System

Priority 02 - Significant Need

Status Active

Total Project Cost: \$20,000

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 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|--------------|---------------|------|------|------|------|---------------|
| Purchases | 20,000 | | | | | 20,000 |
| Total | 20,000 | | | | | 20,000 |

| Funding Sources | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|--------------------------------|---------------|------|------|------|------|---------------|
| Rplcmt Fund-WWC Infrastructure | 20,000 | | | | | 20,000 |
| Total | 20,000 | | | | | 20,000 |

Budget Impact/Other

| Budget Items | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|------------------|---------------|------|------|------|------|---------------|
| Capital Projects | 20,000 | | | | | 20,000 |
| Total | 20,000 | | | | | 20,000 |

Capital Plan

Data in Year 2023 and 2027

Grand Rapids Public Utilities Commission

Department 3-Wastewater Collection
Contact Dennis Doyle
Type Unassigned
Useful Life 50
Category City Construction or Reconstru
Priority 02 - Significant Need
Status Active

Project # WWCO2201
Project Name City Project - 6th Street NE (2 - 5th Ave)

Total Project Cost: \$110,067

Description
 City Project 2026/2012-1.

Justification
 City of Grand Rapids Feasibility report. The sanitary sewer is 8-inch VCP and was constructed some time between 1900 and 1940.

| Expenditures | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|------------------|------|----------------|------|------|------|----------------|
| Contractor Labor | | 110,067 | | | | 110,067 |
| Total | | 110,067 | | | | 110,067 |

| Funding Sources | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|--------------------------------|------|----------------|------|------|------|----------------|
| Rplcmt Fund-WWC Infrastructure | | 110,067 | | | | 110,067 |
| Total | | 110,067 | | | | 110,067 |

Budget Impact/Other

| Budget Items | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|------------------|------|----------------|------|------|------|----------------|
| Capital Projects | | 110,067 | | | | 110,067 |
| Total | | 110,067 | | | | 110,067 |

Capital Plan

Data in Year 2023 and 2027

Grand Rapids Public Utilities Commission

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 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|------------------|------|---------------|------|------|------|---------------|
| Contractor Labor | | 60,000 | | | | 60,000 |
| Total | | 60,000 | | | | 60,000 |

| Funding Sources | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|--------------------------------|------|---------------|------|------|------|---------------|
| Rplcmt Fund-WWC Infrastructure | | 60,000 | | | | 60,000 |
| Total | | 60,000 | | | | 60,000 |

Budget Impact/Other

| Budget Items | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|------------------|------|---------------|------|------|------|---------------|
| Capital Projects | | 60,000 | | | | 60,000 |
| Total | | 60,000 | | | | 60,000 |

Capital Plan

Data in Year 2023 and 2027

Department 3-Wastewater Collection

Grand Rapids Public Utilities Commission

Contact Steve Mattson

Project # WWCO2203
Project Name Lift Station 13 Controls Update

Type Unassigned

Useful Life 20

Category WW System

Priority 01 - Required

Status Active

Total Project Cost: \$26,500

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 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|--------------|------|------|--------|------|------|--------|
| Purchases | | | 26,500 | | | 26,500 |
| Total | | | 26,500 | | | 26,500 |

| Funding Sources | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|--------------------------------|------|------|--------|------|------|--------|
| Rplcmt Fund-WWC Infrastructure | | | 26,500 | | | 26,500 |
| Total | | | 26,500 | | | 26,500 |

Budget Impact/Other

| Budget Items | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|------------------|------|------|--------|------|------|--------|
| Capital Projects | | | 26,500 | | | 26,500 |
| Total | | | 26,500 | | | 26,500 |

Capital Plan

Data in Year 2023 and 2027

Department 3-Wastewater Collection

Grand Rapids Public Utilities Commission

Contact Steve Mattson

Project # WWCO2207
Project Name Lift Station 2 - Generator and switch

Type Unassigned

Useful Life 20

Category WW System

Priority 03 - Moderate Need

Status Active

Total Project Cost: \$36,490

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 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|--------------|---------------|------|------|------|------|---------------|
| Purchases | 36,490 | | | | | 36,490 |
| Total | 36,490 | | | | | 36,490 |

| Funding Sources | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|--------------------------------|---------------|------|------|------|------|---------------|
| Rplcmt Fund-WWC Infrastructure | 36,490 | | | | | 36,490 |
| Total | 36,490 | | | | | 36,490 |

Budget Impact/Other

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

| Budget Items | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|------------------|---------------|------|------|------|------|---------------|
| Capital Projects | 36,490 | | | | | 36,490 |
| Total | 36,490 | | | | | 36,490 |

Capital Plan

Data in Year 2023 and 2027

Department 3-Wastewater Collection

Grand Rapids Public Utilities Commission

Contact Steve Mattson

Project # WWCO2208
Project Name Lift Station 3 - Generator and switch

Type Unassigned

Useful Life 20

Category WW System

Priority 03 - Moderate Need

Status Active

Total Project Cost: \$32,825

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 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|--------------|---------------|------|------|------|------|---------------|
| Purchases | 32,825 | | | | | 32,825 |
| Total | 32,825 | | | | | 32,825 |

| Funding Sources | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|--------------------------------|---------------|------|------|------|------|---------------|
| Rplcmt Fund-WWC Infrastructure | 32,825 | | | | | 32,825 |
| Total | 32,825 | | | | | 32,825 |

Budget Impact/Other

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

| Budget Items | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|------------------|---------------|------|------|------|------|---------------|
| Capital Projects | 32,825 | | | | | 32,825 |
| Total | 32,825 | | | | | 32,825 |

Capital Plan

Data in Year 2023 and 2027

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 # WWCO2302
Project Name City Project - 6th Ave NW (4th-5th)

Total Project Cost: \$52,000

Description
 City of Grand Rapids project 2026/2016-1

Justification
 City of Grand Rapids Feasibility Report

| Expenditures | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|------------------|---------------|------|------|------|------|---------------|
| Contractor Labor | 52,000 | | | | | 52,000 |
| Total | 52,000 | | | | | 52,000 |

| Funding Sources | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|--------------------------------|---------------|------|------|------|------|---------------|
| Rplcmt Fund-WWC Infrastructure | 52,000 | | | | | 52,000 |
| Total | 52,000 | | | | | 52,000 |

Budget Impact/Other

| Budget Items | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|------------------|---------------|------|------|------|------|---------------|
| Capital Projects | 52,000 | | | | | 52,000 |
| Total | 52,000 | | | | | 52,000 |

Capital Plan

Data in Year 2023 and 2027

Grand Rapids Public Utilities Commission

Department 3-Wastewater Collection

Contact Steve Mattson

Type Unassigned

Useful Life 10

Category WW System

Priority 03 - Moderate Need

Status Active

Total Project Cost: \$60,000

| | |
|---------------------|-----------------------|
| Project # | WWCO2303 |
| Project Name | Jetting Camera |

Description

After heavy utilizing of the jetting camera system during 2022. It was apparent that there was more maintenance required than originally anticipated with this equipment. The downtime experienced for camera repair made it difficult to keep up with the aggressive jetting/televising schedule during the summer months.

Justification

Two to five weeks of downtime during the summer to repair the camera is unacceptable. Our crews need to be able to stay after it in order to meet the annual goal of jettign and televising. An additional camera will allow time for necessary repairs to be made while they keep working on servicing the collection system.

| Expenditures | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|---------------------|---------------|-------------|-------------|-------------|-------------|---------------|
| Purchases | 60,000 | | | | | 60,000 |
| Total | 60,000 | | | | | 60,000 |

| Funding Sources | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|--------------------------------|---------------|-------------|-------------|-------------|-------------|---------------|
| Rplcmt Fund-WWC Infrastructure | 60,000 | | | | | 60,000 |
| Total | 60,000 | | | | | 60,000 |

Budget Impact/Other

Capital Plan

Data in Year 2023 and 2027

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

Total Project Cost: \$35,000

| | |
|---------------------|---------------------------------------|
| Project # | WWCO2304 |
| Project Name | Lift Station 9 Controls Update |

| |
|---|
| 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 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|---------------------|---------------|-------------|-------------|-------------|-------------|---------------|
| Purchases | 35,000 | | | | | 35,000 |
| Total | 35,000 | | | | | 35,000 |

| |
|----------------------------|
| Budget Impact/Other |
| |

Capital Plan

Data in Year 2023 and 2027

Department 3-Wastewater Collection

Grand Rapids Public Utilities Commission

Contact Steve Mattson

Project # WWCO2305
Project Name Lift Station 2 Pump

Type Unassigned

Useful Life 20

Category WW System

Priority 01 - Required

Status Active

Total Project Cost: \$25,000

Description
 Lift station 2 manages 100% of Cohasset's flow and is a critical lift station on the west side of town. Lift station 2 has 24 hp pumps.

Justification
 Lift station 2 does not have any backup pump in the event of an issue. With the purchase of a pump, one in service will be replaced with a new one. This will allow the lift station to have 2 pumps ready (both of varying age). Additionally the one pulled will be rebuilt with internal labor and ready to be put into service in the event of an emergency.

| Expenditures | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|--------------|---------------|------|------|------|------|---------------|
| Purchases | 25,000 | | | | | 25,000 |
| Total | 25,000 | | | | | 25,000 |

| Funding Sources | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|--------------------------------|---------------|------|------|------|------|---------------|
| Rplcmt Fund-WWC Infrastructure | 25,000 | | | | | 25,000 |
| Total | 25,000 | | | | | 25,000 |

Budget Impact/Other

| Budget Items | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|------------------|---------------|------|------|------|------|---------------|
| Capital Projects | 25,000 | | | | | 25,000 |
| Total | 25,000 | | | | | 25,000 |

Capital Plan

Data in Year 2023 and 2027

Department 3-Wastewater Collection

Grand Rapids Public Utilities Commission

Contact Steve Mattson

Project # WWCO2307
Project Name Lift Station 6 I/I Repairs

Type Unassigned

Useful Life 20

Category WW System

Priority 01 - Required

Status Active

Total Project Cost: \$35,000

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 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|--------------|---------------|------|------|------|------|---------------|
| Purchases | 35,000 | | | | | 35,000 |
| Total | 35,000 | | | | | 35,000 |

| Funding Sources | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|--------------------------------|---------------|------|------|------|------|---------------|
| Rplcmt Fund-WWC Infrastructure | 35,000 | | | | | 35,000 |
| Total | 35,000 | | | | | 35,000 |

Budget Impact/Other

| Budget Items | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|------------------|---------------|------|------|------|------|---------------|
| Capital Projects | 35,000 | | | | | 35,000 |
| Total | 35,000 | | | | | 35,000 |

Capital Plan

Data in Year 2023 and 2027

Department 3-Wastewater Collection

Grand Rapids Public Utilities Commission

Contact

Project # WWCO2308
Project Name WWC Category 1- Piping Repairs

Type Unassigned

Useful Life 30

Category WW System

Priority 02 - Significant Need

Status Active

Total Project Cost: \$1,850,000

Description

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 reliable service for our customers. Bad areas will be excavated, repaired and or replaced to improve the flow conditions.

| Expenditures | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|--------------|----------------|----------------|----------------|----------------|----------------|------------------|
| Purchases | 350,000 | 350,000 | 350,000 | 400,000 | 400,000 | 1,850,000 |
| Total | 350,000 | 350,000 | 350,000 | 400,000 | 400,000 | 1,850,000 |

| Funding Sources | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|-----------------|----------------|----------------|----------------|----------------|----------------|------------------|
| Debt | 350,000 | 350,000 | 350,000 | 400,000 | 400,000 | 1,850,000 |
| Total | 350,000 | 350,000 | 350,000 | 400,000 | 400,000 | 1,850,000 |

Budget Impact/Other

| Budget Items | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|------------------|----------------|----------------|----------------|----------------|----------------|------------------|
| Capital Projects | 350,000 | 350,000 | 350,000 | 400,000 | 400,000 | 1,850,000 |
| Total | 350,000 | 350,000 | 350,000 | 400,000 | 400,000 | 1,850,000 |

Capital Plan

Data in Year 2023 and 2027

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: \$8,000

| | |
|---------------------|----------------------------------|
| Project # | WWCO2309 |
| Project Name | Lift Station 2 Flow Meter |

| |
|---|
| 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 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|---------------------|--------------|-------------|-------------|-------------|-------------|--------------|
| Purchases | 4,000 | | | | | 4,000 |
| Labor | 4,000 | | | | | 4,000 |
| Total | 8,000 | | | | | 8,000 |

| Funding Sources | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|--------------------------------|--------------|-------------|-------------|-------------|-------------|--------------|
| Rplcmt Fund-WWC Infrastructure | 8,000 | | | | | 8,000 |
| Total | 8,000 | | | | | 8,000 |

| |
|----------------------------|
| Budget Impact/Other |
| |

| Budget Items | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|---------------------|--------------|-------------|-------------|-------------|-------------|--------------|
| Capital Projects | 8,000 | | | | | 8,000 |
| Total | 8,000 | | | | | 8,000 |

Capital Plan

Data in Year 2023 and 2027

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: \$1,521,000

| | |
|---------------------|--|
| 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 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|---------------------|------------------|----------------|-------------|-------------|-------------|------------------|
| Contractor Labor | 1,010,000 | 511,000 | | | | 1,521,000 |
| Total | 1,010,000 | 511,000 | | | | 1,521,000 |

| Funding Sources | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|------------------------|------------------|----------------|-------------|-------------|-------------|------------------|
| Debt | 1,010,000 | 511,000 | | | | 1,521,000 |
| Total | 1,010,000 | 511,000 | | | | 1,521,000 |

| |
|----------------------------|
| Budget Impact/Other |
| |

| Budget Items | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|---------------------|------------------|----------------|-------------|-------------|-------------|------------------|
| Capital Projects | 1,010,000 | 511,000 | | | | 1,521,000 |
| Total | 1,010,000 | 511,000 | | | | 1,521,000 |

Capital Plan

Data in Year 2023 and 2027

Grand Rapids Public Utilities Commission

Department 3-Wastewater Collection

Contact Steve Mattson

Type Unassigned

Useful Life 30

Category City Construction or Reconstru

Priority 01 - Required

Status Active

Total Project Cost: \$369,848

| | |
|---------------------|--------------------------------------|
| Project # | WWCO2312 |
| Project Name | City Project - River Road Roundabout |

| |
|--|
| Description |
| Itasca County is renovating the intersection of River Road and Airport Road with a roundabout. The infrastructure under the road is 47 to 64 years old and needs to be replaced. |

| |
|--|
| Justification |
| City of Grand Rapids Feasibility Report, Itasca County Road reconstruction project |

| Expenditures | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|------------------|----------------|------|------|------|------|----------------|
| Contractor Labor | 210,959 | | | | | 210,959 |
| Total | 210,959 | | | | | 210,959 |

| Funding Sources | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|--------------------------------|----------------|------|------|------|------|----------------|
| Rplcmt Fund-WWC Infrastructure | 210,959 | | | | | 210,959 |
| Total | 210,959 | | | | | 210,959 |

| |
|----------------------------|
| Budget Impact/Other |
| |

| Budget Items | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|------------------|----------------|------|------|------|------|----------------|
| Capital Projects | 210,959 | | | | | 210,959 |
| Total | 210,959 | | | | | 210,959 |

Capital Plan

Data in Year 2023 and 2027

Department 3-Wastewater Collection

Grand Rapids Public Utilities Commission

Contact Steve Mattson

Project # WWCO2402
Project Name SE 11th St Sanitary Sewer Replacement

Type Unassigned

Useful Life 50

Category WW System

Priority 02 - Significant Need

Status Active

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 lline 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 maxxng out the pipe during certain times which could easily cause back-ups.

| Expenditures | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|------------------|------|------|------|------------------|------|------------------|
| Contractor Labor | | | | 1,300,000 | | 1,300,000 |
| Total | | | | 1,300,000 | | 1,300,000 |

| Funding Sources | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|-----------------|------|------|------|------------------|------|------------------|
| Debt | | | | 1,300,000 | | 1,300,000 |
| Total | | | | 1,300,000 | | 1,300,000 |

Budget Impact/Other

| Budget Items | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|------------------|------|------|------|------------------|------|------------------|
| Capital Projects | | | | 1,300,000 | | 1,300,000 |
| Total | | | | 1,300,000 | | 1,300,000 |

Capital Plan

Data in Year 2023 and 2027

Department 3-Wastewater Collection

Grand Rapids Public Utilities Commission

Contact Steve Mattson

| | |
|---------------------|---------------------------------------|
| Project # | WWCO2601 |
| Project Name | Lift Station 8 Controls Update |

Type Unassigned

Useful Life 20

Category WW System

Priority 01 - Required

Status Active

Total Project Cost: \$35,000

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 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|--------------|---------------|------|------|------|------|---------------|
| Purchases | 35,000 | | | | | 35,000 |
| Total | 35,000 | | | | | 35,000 |

Budget Impact/Other

Capital Plan

Data in Year 2023 and 2027

Department 3-Wastewater Collection

Grand Rapids Public Utilities Commission

Contact Steve Mattson

Project # WWCO2602
Project Name Lift Station 5 Forcemain Replacement

Type Unassigned

Useful Life 30

Category WW System

Priority 02 - Significant Need

Status Active

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 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|------------------|------|------|------|---------------|------|---------------|
| Contractor Labor | | | | 65,000 | | 65,000 |
| Total | | | | 65,000 | | 65,000 |

| Funding Sources | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|-----------------|------|------|------|---------------|------|---------------|
| Debt | | | | 65,000 | | 65,000 |
| Total | | | | 65,000 | | 65,000 |

Budget Impact/Other

| Budget Items | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|------------------|------|------|------|---------------|------|---------------|
| Capital Projects | | | | 65,000 | | 65,000 |
| Total | | | | 65,000 | | 65,000 |

Capital Plan

Data in Year 2023 and 2027

Department 3-Wastewater Collection

Grand Rapids Public Utilities Commission

Contact Steve Mattson

Project # WWCO2701
Project Name Replace Truck 61

Type Unassigned

Useful Life 10

Category Vehicles

Priority 03 - Moderate Need

Status Active

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 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|--------------|------|------|------|------|---------------|---------------|
| Purchases | | | | | 60,000 | 60,000 |
| Total | | | | | 60,000 | 60,000 |

| Funding Sources | 2023 | 2024 | 2025 | 2026 | 2027 | 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 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|------------------|------|------|------|------|---------------|---------------|
| Capital Projects | | | | | 55,000 | 55,000 |
| Total | | | | | 55,000 | 55,000 |

Capital Plan

Data in Year 2023 and 2027

Department 3-Wastewater Collection

Grand Rapids Public Utilities Commission

Contact Steve Mattson

Project # WWCO2704
Project Name Lift Station 2 Forcemain Replacement

Type Unassigned

Useful Life 30

Category WW System

Priority 02 - Significant Need

Status Active

Total Project Cost: \$140,000

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 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|------------------|------|------|----------------|------|------|----------------|
| Contractor Labor | | | 140,000 | | | 140,000 |
| Total | | | 140,000 | | | 140,000 |

| Funding Sources | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|-----------------|------|------|----------------|------|------|----------------|
| Debt | | | 140,000 | | | 140,000 |
| Total | | | 140,000 | | | 140,000 |

Budget Impact/Other

| Budget Items | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|------------------|------|------|----------------|------|------|----------------|
| Capital Projects | | | 140,000 | | | 140,000 |
| Total | | | 140,000 | | | 140,000 |

Capital Plan

Data in Year 2023 and 2027

Department 4a-WWT Domestic

Grand Rapids Public Utilities Commission

Contact Steve Mattson

| | |
|---------------------|--------------------------------|
| Project # | WWDO1801 |
| Project Name | Rebuild Domestic Screen |

Type Unassigned

Useful Life 20

Category Equipment

Priority 02 - Significant Need

Status Active

Total Project Cost: \$150,000

Description

The Parkson Domestic Screen is used to separate coarse solids from the incoming waste water prior to being pumped up the secondary plant. The screen has been in service for a couple decades and is showing signs of significant wear.

Justification

The current screen is reaching the end of its useful life and is in need of major repairs. To ensure good screening of domestic waste for the foreseeable future, it needs to be overhauled.

| Expenditures | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|---------------------|----------------|-------------|-------------|-------------|-------------|----------------|
| Purchases | 150,000 | | | | | 150,000 |
| Total | 150,000 | | | | | 150,000 |

| Funding Sources | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|--------------------------------|----------------|-------------|-------------|-------------|-------------|----------------|
| Rplcmt Fund-WWC Infrastructure | 150,000 | | | | | 150,000 |
| Total | 150,000 | | | | | 150,000 |

Budget Impact/Other

| | | | | | | |
|--|--|--|--|--|--|--|
| | | | | | | |
|--|--|--|--|--|--|--|

| Budget Items | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|---------------------|----------------|-------------|-------------|-------------|-------------|----------------|
| Capital Projects | 150,000 | | | | | 150,000 |
| Total | 150,000 | | | | | 150,000 |

Capital Plan

Data in Year 2023 and 2027

Department 4a-WWT Domestic

Grand Rapids Public Utilities Commission

Contact Steve Mattson

| | |
|---------------------|-------------------------------------|
| Project # | WWDO2301 |
| Project Name | Flow Meter for Domestic Flow |

Type Unassigned

Useful Life 10

Category WW System

Priority 02 - Significant Need

Status Active

Total Project Cost: \$7,000

| |
|--|
| Description |
| The flow meter is a critical measure of all the domestic wastewater that enters into the wastewater plant. This is a requirement of the NPDES permit and must be accurate. The current sonic level transmitter is eastimated to be 15 years old. |

| |
|---|
| Justification |
| The current flow meter is antiquated and needs to be updated. |

| Expenditures | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|---------------------|--------------|-------------|-------------|-------------|-------------|--------------|
| Purchases | 7,000 | | | | | 7,000 |
| Total | 7,000 | | | | | 7,000 |

| Funding Sources | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|------------------------|--------------|-------------|-------------|-------------|-------------|--------------|
| Reserves-Unrestricted | 7,000 | | | | | 7,000 |
| Total | 7,000 | | | | | 7,000 |

| |
|----------------------------|
| Budget Impact/Other |
| |

Capital Plan

Data in Year 2023 and 2027

Department 4a-WWT Domestic

Grand Rapids Public Utilities Commission

Contact Steve Mattson

Project # WWDO2302
Project Name Trash Compactor

Type Unassigned

Useful Life 10

Category WW System

Priority 02 - Significant Need

Status Active

Total Project Cost: \$50,000

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 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|--------------|---------------|------|------|------|------|---------------|
| Purchases | 50,000 | | | | | 50,000 |
| Total | 50,000 | | | | | 50,000 |

| Funding Sources | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|-----------------------|---------------|------|------|------|------|---------------|
| Reserves-Unrestricted | 50,000 | | | | | 50,000 |
| Total | 50,000 | | | | | 50,000 |

Budget Impact/Other

Capital Plan

Data in Year 2023 and 2027

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

Total Project Cost: \$45,000

| | |
|---------------------|-----------------------------------|
| Project # | WWDO2401 |
| Project Name | VFD Upgrades On Lift Pumps |

| |
|--|
| 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 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|---------------------|-------------|---------------|-------------|---------------|-------------|---------------|
| Purchases | | 30,000 | | 15,000 | | 45,000 |
| Total | | 30,000 | | 15,000 | | 45,000 |

| Funding Sources | 2023 | 2024 | 2025 | 2026 | 2027 | 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

Data in Year 2023 and 2027

Department 4b-WWT Screenhouse

Grand Rapids Public Utilities Commission

Contact Steve Mattson

Project # WWSH2301
Project Name VFD Upgrades for Lift Pumps

Type Unassigned

Useful Life 10

Category WW System

Priority 02 - Significant Need

Status Active

Total Project Cost: \$48,000

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 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|--------------|---------------|---------------|---------------|---------------|------|---------------|
| Purchases | 12,000 | 12,000 | 12,000 | 12,000 | | 48,000 |
| Total | 12,000 | 12,000 | 12,000 | 12,000 | | 48,000 |

| Funding Sources | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|----------------------------|---------------|---------------|---------------|---------------|------|---------------|
| Customer Contributions-UPM | 12,000 | 12,000 | 12,000 | 12,000 | | 48,000 |
| Total | 12,000 | 12,000 | 12,000 | 12,000 | | 48,000 |

Budget Impact/Other

Capital Plan

Data in Year 2023 and 2027

Department 4b-WWT Screenhouse

Grand Rapids Public Utilities Commission

Contact Steve Mattson

Project # WWSH2302
Project Name Replace Fiber Segment 1

Type Unassigned

Useful Life 20

Category WW System

Priority 02 - Significant Need

Status Active

Total Project Cost: \$12,000

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 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|------------------|---------------|------|------|------|------|---------------|
| Contractor Labor | 12,000 | | | | | 12,000 |
| Total | 12,000 | | | | | 12,000 |

| Funding Sources | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|----------------------------|---------------|------|------|------|------|---------------|
| Customer Contributions-UPM | 12,000 | | | | | 12,000 |
| Total | 12,000 | | | | | 12,000 |

Budget Impact/Other

| Budget Items | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|------------------|---------------|------|------|------|------|---------------|
| Capital Projects | 12,000 | | | | | 12,000 |
| Total | 12,000 | | | | | 12,000 |

Capital Plan

Data in Year 2023 and 2027

Department 4b-WWT Screenhouse

Grand Rapids Public Utilities Commission

Contact Steve Mattson

| | |
|---------------------|---|
| Project # | WWSH2401 |
| Project Name | Drive Gear Boxes for Parkson Screens |

Type Unassigned

Useful Life 20

Category WW System

Priority 02 - Significant Need

Status Active

Total Project Cost: \$16,000

| |
|---|
| 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 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|---------------------|-------------|---------------|-------------|-------------|-------------|---------------|
| Purchases | | 16,000 | | | | 16,000 |
| Total | | 16,000 | | | | 16,000 |

| Funding Sources | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|----------------------------|-------------|---------------|-------------|-------------|-------------|---------------|
| Customer Contributions-UPM | | 16,000 | | | | 16,000 |
| Total | | 16,000 | | | | 16,000 |

| |
|----------------------------|
| Budget Impact/Other |
| |

Capital Plan

Data in Year 2023 and 2027

Department 4b-WWT Screenhouse

Grand Rapids Public Utilities Commission

Contact Steve Mattson

Project # WWSH2402
Project Name Gear Box for Bark Dumper

Type Unassigned

Useful Life 20

Category WW System

Priority 02 - Significant Need

Status Active

Total Project Cost: \$8,000

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/replaced.

| Expenditures | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|--------------|------|--------------|------|------|------|--------------|
| Purchases | | 8,000 | | | | 8,000 |
| Total | | 8,000 | | | | 8,000 |

| Funding Sources | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|----------------------------|------|--------------|------|------|------|--------------|
| Customer Contributions-UPM | | 8,000 | | | | 8,000 |
| Total | | 8,000 | | | | 8,000 |

Budget Impact/Other

Capital Plan

Data in Year 2023 and 2027

Department 4c-WWT Primary Plant

Grand Rapids Public Utilities Commission

Contact Steve Mattson

| | |
|---------------------|----------------------------------|
| Project # | WWPP2001 |
| Project Name | Demo of Old Primary Plant |

Type Unassigned

Useful Life N/A

Category Buildings

Priority 03 - Moderate Need

Status Active

Total Project Cost: \$50,000

| |
|--|
| Description |
| The buildings at the old primary site have been idle for close to eight years. They are starting to fall apart and pose a serious safety threat to employees and any contractor that is within the site. |

| |
|--|
| Justification |
| The buildings at the old primary site have been idle for close to eight years. They are starting to fall apart and pose a serious safety threat to employees and any contractor that is within the site. In September 2018, the WWTP maintenance crew discovered that the outside brick wall of the digester building had delaminated from the structure and was ready to fall down. |

| Expenditures | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|---------------------|---------------|-------------|-------------|-------------|-------------|---------------|
| Outside Services | 50,000 | | | | | 50,000 |
| Total | 50,000 | | | | | 50,000 |

| Funding Sources | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|----------------------------|---------------|-------------|-------------|-------------|-------------|---------------|
| Customer Contributions-UPM | 50,000 | | | | | 50,000 |
| Total | 50,000 | | | | | 50,000 |

| |
|----------------------------|
| Budget Impact/Other |
| |

Capital Plan

Data in Year 2023 and 2027

Department 4c-WWT Primary Plant

Grand Rapids Public Utilities Commission

Contact Steve Mattson

Project # WWPP2003
Project Name Painting Primary Clarifiers

Type Unassigned

Useful Life 20

Category Equipment

Priority 03 - Moderate Need

Status Active

Total Project Cost: \$75,000

Description

The primary clarifiers have been in service for almost a decade. The metal parts have been showing wear and rust. In order to protect the investment the metal parts of the structure and rake arm need to be sandblasted and repainted professionally.

Justification

The primary clarifiers have been in service for almost a decade. The metal parts have been showing wear and rust. In order to protect the investment the metal parts of the structure and rake arm need to be sandblasted and repainted professionally.

| Expenditures | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|------------------|---------------|------|------|------|------|---------------|
| Contractor Labor | 40,000 | | | | | 40,000 |
| Total | 40,000 | | | | | 40,000 |

| Funding Sources | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|----------------------------|---------------|------|------|------|------|---------------|
| Customer Contributions-UPM | 40,000 | | | | | 40,000 |
| Total | 40,000 | | | | | 40,000 |

Budget Impact/Other

| Budget Items | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|------------------|---------------|------|------|------|------|---------------|
| Capital Projects | 40,000 | | | | | 40,000 |
| Total | 40,000 | | | | | 40,000 |

Capital Plan

Data in Year 2023 and 2027

Department 4c-WWT Primary Plant

Grand Rapids Public Utilities Commission

Contact Steve Mattson

Project # WWPP2103
Project Name Sludge Screw Conveyor - Screw Replacement

Type Unassigned

Useful Life 10

Category WW System

Priority 02 - Significant Need

Status Active

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 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|--------------|---------------|---------------|------|------|------|----------------|
| Purchases | 45,000 | 45,000 | | | | 90,000 |
| Labor | 5,000 | 5,000 | | | | 10,000 |
| Total | 50,000 | 50,000 | | | | 100,000 |

| Funding Sources | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|----------------------------|---------------|---------------|------|------|------|----------------|
| Customer Contributions-UPM | 50,000 | 50,000 | | | | 100,000 |
| Total | 50,000 | 50,000 | | | | 100,000 |

Budget Impact/Other

| Budget Items | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|------------------|---------------|---------------|------|------|------|----------------|
| Capital Projects | 50,000 | 50,000 | | | | 100,000 |
| Total | 50,000 | 50,000 | | | | 100,000 |

Capital Plan

Data in Year 2023 and 2027

Department 4c-WWT Primary Plant

Grand Rapids Public Utilities Commission

Contact Steve Mattson

Project # WWPP2202
Project Name Forks for Front End Loader

Type Unassigned

Useful Life 20

Category WW System

Priority 03 - Moderate Need

Status Active

Total Project Cost: \$12,000

Description

Fork attachment for the Front End loader for unloading equipment and materials.

Justification

Forks will allow the maintenance crew to be able to safely unload/load equipment and also facilitate the installation of equipment.

| Expenditures | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|--------------|---------------|------|------|------|------|---------------|
| Purchases | 12,000 | | | | | 12,000 |
| Total | 12,000 | | | | | 12,000 |

| Funding Sources | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|----------------------------|---------------|------|------|------|------|---------------|
| Customer Contributions-UPM | 12,000 | | | | | 12,000 |
| Total | 12,000 | | | | | 12,000 |

Budget Impact/Other

| Budget Items | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|------------------|---------------|------|------|------|------|---------------|
| Capital Projects | 12,000 | | | | | 12,000 |
| Total | 12,000 | | | | | 12,000 |

Capital Plan

Data in Year 2023 and 2027

Department 4c-WWT Primary Plant

Grand Rapids Public Utilities Commission

Contact Steve Mattson

Project # WWPP2301
Project Name Primary Sludge Pump VFD's

Type Unassigned

Useful Life 20

Category WW System

Priority 02 - Significant Need

Status Active

Total Project Cost: \$24,000

Description
 Variable Frequency Drive are necessary for control of positive displacement sludge pumps. The current ones have failed and caused serious operational challenges.

Justification
 Current VFD's have had internal components failing causing operational hardship.

| Expenditures | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|--------------|---------------|------|------|------|------|---------------|
| Purchases | 24,000 | | | | | 24,000 |
| Total | 24,000 | | | | | 24,000 |

| Funding Sources | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|----------------------------|---------------|------|------|------|------|---------------|
| Customer Contributions-UPM | 24,000 | | | | | 24,000 |
| Total | 24,000 | | | | | 24,000 |

Budget Impact/Other

Capital Plan

Data in Year 2023 and 2027

Department 4c-WWT Primary Plant

Grand Rapids Public Utilities Commission

Contact Steve Mattson

Project # WWPP2302

Type Unassigned

Project Name Screw Press VFD

Useful Life 20

Category WW System

Priority 02 - Significant Need

Status Active

Total Project Cost: \$8,000

Description

Variable Frequency Drive are necessary for control of screw press. The current manufacturer have failed and caused serious operational challenges.

Justification

The current VFD have components that are failing causing operational hardship.

| Expenditures | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|---------------------|--------------|-------------|-------------|-------------|-------------|--------------|
| Purchases | 8,000 | | | | | 8,000 |
| Total | 8,000 | | | | | 8,000 |

| Funding Sources | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|----------------------------|--------------|-------------|-------------|-------------|-------------|--------------|
| Customer Contributions-UPM | 8,000 | | | | | 8,000 |
| Total | 8,000 | | | | | 8,000 |

Budget Impact/Other

Capital Plan

Data in Year 2023 and 2027

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

Total Project Cost: \$140,000

| | |
|---------------------|-----------------------------------|
| Project # | WWPP2303 |
| Project Name | Primary Plant Sludge Pumps |

| |
|--|
| 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 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|---------------------|---------------|---------------|---------------|---------------|---------------|----------------|
| Purchases | 28,000 | 28,000 | 28,000 | 28,000 | 28,000 | 140,000 |
| Total | 28,000 | 28,000 | 28,000 | 28,000 | 28,000 | 140,000 |

| Funding Sources | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|----------------------------|---------------|---------------|---------------|---------------|---------------|----------------|
| Customer Contributions-UPM | 28,000 | 28,000 | 28,000 | 28,000 | 28,000 | 140,000 |
| Total | 28,000 | 28,000 | 28,000 | 28,000 | 28,000 | 140,000 |

| |
|----------------------------|
| Budget Impact/Other |
| |

Capital Plan

Data in Year 2023 and 2027

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: \$6,500

| | |
|---------------------|-------------------------|
| Project # | WWPP2304 |
| Project Name | WWTP Alarm Agent |

| |
|--|
| Description |
| After hours alarms are needed to keep track of the extended process. |

| |
|--|
| Justification |
| To be able to keep track of all the critical alarms. |

| Expenditures | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|---------------------|--------------|-------------|-------------|-------------|-------------|--------------|
| Contractor Labor | 6,500 | | | | | 6,500 |
| Total | 6,500 | | | | | 6,500 |

| Funding Sources | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|----------------------------|--------------|-------------|-------------|-------------|-------------|--------------|
| Customer Contributions-UPM | 6,500 | | | | | 6,500 |
| Total | 6,500 | | | | | 6,500 |

| |
|----------------------------|
| Budget Impact/Other |
| |

| Budget Items | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|---------------------|--------------|-------------|-------------|-------------|-------------|--------------|
| Capital Projects | 6,500 | | | | | 6,500 |
| Total | 6,500 | | | | | 6,500 |

Capital Plan

Data in Year 2023 and 2027

Department 4d-WWT Sludge Disposal

Grand Rapids Public Utilities Commission

Contact Steve Mattson

Project # WWSD2101
Project Name Leachate Phase Pump

Type Unassigned

Useful Life 10

Category WW System

Priority 02 - Significant Need

Status Active

Total Project Cost: \$24,000

Description

We are required be permit to continuously pump out leachate from the sumps of nine phases in the landfill. Failure of a pump would require weeks to repair which would lead to a violation. A spare pump will allow maintenance to immediatedly address the issue.

Justification

We are required be permit to continuously pump out leachate from the sumps of nine phases in the landfill. Failure of a pump would require weeks to repair which would lead to a violation. A spare pump will allow maintenance to immediatedly address the issue.

| Expenditures | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|--------------|--------------|------|------|------|------|--------------|
| Purchases | 8,000 | | | | | 8,000 |
| Total | 8,000 | | | | | 8,000 |

| Funding Sources | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|----------------------------|--------------|------|------|------|------|--------------|
| Customer Contributions-UPM | 8,000 | | | | | 8,000 |
| Total | 8,000 | | | | | 8,000 |

Budget Impact/Other

| Budget Items | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|------------------|--------------|------|------|------|------|--------------|
| Capital Projects | 8,000 | | | | | 8,000 |
| Total | 8,000 | | | | | 8,000 |

Capital Plan

Data in Year 2023 and 2027

Department 4d-WWT Sludge Disposal

Grand Rapids Public Utilities Commission

Contact Steve Mattson

| | |
|---------------------|--|
| Project # | WWSD2301 |
| Project Name | Landfill Cover Work Phase 1-4, Kettle D |

Type Unassigned

Useful Life 30

Category WW System

Priority 02 - Significant Need

Status Active

Total Project Cost: \$1,550,000

| Description |
|---|
| The leachate generation from phase 1-4, kettle D is excessive. In order to get the landfill into post closure, 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 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|------------------|----------------|------------------|------|------|------|------------------|
| Purchases | 250,000 | | | | | 250,000 |
| Contractor Labor | | 1,300,000 | | | | 1,300,000 |
| Total | 250,000 | 1,300,000 | | | | 1,550,000 |

| Funding Sources | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|----------------------------|----------------|------------------|------|------|------|------------------|
| Customer Contributions-UPM | 230,000 | 1,300,000 | | | | 1,530,000 |
| Reserves-Unrestricted | 20,000 | | | | | 20,000 |
| Total | 250,000 | 1,300,000 | | | | 1,550,000 |

| Budget Impact/Other |
|---------------------|
| |

| Budget Items | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|------------------|------|------------------|------|------|------|------------------|
| Capital Projects | | 1,300,000 | | | | 1,300,000 |
| Total | | 1,300,000 | | | | 1,300,000 |

Capital Plan

Data in Year 2023 and 2027

Department 4d-WWT Sludge Disposal

Grand Rapids Public Utilities Commission

Contact Steve Mattson

Project # WWSD2302
Project Name Landill Phase Pumps

Type Unassigned

Useful Life 10

Category WW System

Priority 02 - Significant Need

Status Active

Total Project Cost: \$90,000

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 wokring 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 wokring pumps and spares on hand.

| Expenditures | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|---------------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Purchases | 18,000 | 18,000 | 18,000 | 18,000 | 18,000 | 90,000 |
| Total | 18,000 | 18,000 | 18,000 | 18,000 | 18,000 | 90,000 |

| Funding Sources | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|----------------------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Customer Contributions-UPM | 16,560 | 16,560 | 16,560 | 16,560 | 16,560 | 82,800 |
| Reserves-Unrestricted | 1,440 | 1,440 | 1,440 | 1,440 | 1,440 | 7,200 |
| Total | 18,000 | 18,000 | 18,000 | 18,000 | 18,000 | 90,000 |

Budget Impact/Other

Capital Plan

Data in Year 2023 and 2027

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: \$54,000

| | |
|---------------------|---------------------------------|
| Project # | WWSC2301 |
| Project Name | Replace Fiber ASV to CSC |

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

| |
|----------------------|
| Justification |
| |

| Expenditures | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|---------------------|---------------|-------------|-------------|-------------|-------------|---------------|
| Contractor Labor | 54,000 | | | | | 54,000 |
| Total | 54,000 | | | | | 54,000 |

| Funding Sources | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|----------------------------|---------------|-------------|-------------|-------------|-------------|---------------|
| Customer Contributions-UPM | 37,800 | | | | | 37,800 |
| Reserves-Unrestricted | 16,200 | | | | | 16,200 |
| Total | 54,000 | | | | | 54,000 |

| |
|----------------------------|
| Budget Impact/Other |
| |

| Budget Items | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|---------------------|---------------|-------------|-------------|-------------|-------------|---------------|
| Capital Projects | 54,000 | | | | | 54,000 |
| Total | 54,000 | | | | | 54,000 |

Capital Plan

Data in Year 2023 and 2027

Grand Rapids Public Utilities Commission

Department 4e-WWT Service Center

Contact Steve Mattson

Type Unassigned

Useful Life 10

Category WW System

Priority 02 - Significant Need

Status Active

Total Project Cost: \$65,000

| | |
|---------------------|-------------------------|
| Project # | WWSC2401 |
| Project Name | Replace Truck 78 |

| |
|---------------------------------|
| Description |
| Truck 78 is need of replacement |

| |
|----------------------|
| Justification |
| |

| Expenditures | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|---------------------|-------------|---------------|-------------|-------------|-------------|---------------|
| Purchases | | 65,000 | | | | 65,000 |
| Total | | 65,000 | | | | 65,000 |

| Funding Sources | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|----------------------------|-------------|---------------|-------------|-------------|-------------|---------------|
| Customer Contributions-UPM | | 56,875 | | | | 56,875 |
| Reserves-Unrestricted | | 8,125 | | | | 8,125 |
| Total | | 65,000 | | | | 65,000 |

| |
|----------------------------|
| Budget Impact/Other |
| |

Capital Plan

Data in Year 2023 and 2027

Department 4f-WWT Secondary Treatment

Grand Rapids Public Utilities Commission

Contact Steve Mattson

Project # WWSP1702
Project Name Rebuild Blower Number 3

Type Unassigned

Useful Life 25

Category Equipment

Priority 02 - Significant Need

Status Active

Total Project Cost: \$280,000

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.

| Expenditures | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|--------------|------|----------------|------|------|------|----------------|
| Labor | | 280,000 | | | | 280,000 |
| Total | | 280,000 | | | | 280,000 |

| Funding Sources | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|----------------------------------|------|----------------|------|------|------|----------------|
| Customer Contributions-Cohasset | | 3,056 | | | | 3,056 |
| Customer Contributions-LaPrairie | | 1,808 | | | | 1,808 |
| Customer Contributions-UPM | | 240,000 | | | | 240,000 |
| Rplcmt Fund-WWC Infrastructure | | 35,136 | | | | 35,136 |
| Total | | 280,000 | | | | 280,000 |

Budget Impact/Other

| Budget Items | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|------------------|------|----------------|------|------|------|----------------|
| Capital Projects | | 280,000 | | | | 280,000 |
| Total | | 280,000 | | | | 280,000 |

Capital Plan

Data in Year 2023 and 2027

Department 4f-WWT Secondary Treatment

Grand Rapids Public Utilities Commission

Contact Steve Mattson

Project # WWSP1802
Project Name B1 Pond Dredging

Type Unassigned

Useful Life 20

Category Equipment

Priority 02 - Significant Need

Status Active

Total Project Cost: \$150,000

Description
 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 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|------------------|------|------|----------------|------|------|----------------|
| Outside Services | | | 150,000 | | | 150,000 |
| Total | | | 150,000 | | | 150,000 |

| Funding Sources | 2023 | 2024 | 2025 | 2026 | 2027 | 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 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|------------------|------|------|----------------|------|------|----------------|
| Capital Projects | | | 150,000 | | | 150,000 |
| Total | | | 150,000 | | | 150,000 |

Capital Plan

Data in Year 2023 and 2027

Department 4f-WWT Secondary Treatment

Grand Rapids Public Utilities Commission

Contact Steve Mattson

Project # WWSP1804
Project Name Secondary Aeration Basin Mixer Repairs

Type Unassigned

Useful Life 20

Category Equipment

Priority 02 - Significant Need

Status Active

Total Project Cost: \$1,345,000

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 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|--------------|----------------|----------------|----------------|----------------|----------------|----------------|
| Purchases | 175,000 | 135,000 | 135,000 | 175,000 | 175,000 | 795,000 |
| Total | 175,000 | 135,000 | 135,000 | 175,000 | 175,000 | 795,000 |

| Funding Sources | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|----------------------------------|----------------|----------------|----------------|----------------|----------------|----------------|
| Customer Contributions-Cohasset | 4,011 | 3,094 | 4,925 | 4,011 | 4,011 | 20,052 |
| Customer Contributions-LaPrairie | 2,373 | 1,831 | | 2,373 | 2,373 | 8,950 |
| Customer Contributions-UPM | 122,500 | 94,500 | 94,500 | 122,500 | 122,500 | 556,500 |
| Reserves-Unrestricted | | 35,575 | 35,575 | 46,116 | 46,116 | 163,382 |
| Rplcmt Fund-WWC Infrastructure | 46,116 | | | | | 46,116 |
| Total | 175,000 | 135,000 | 135,000 | 175,000 | 175,000 | 795,000 |

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

Data in Year 2023 and 2027

Grand Rapids Public Utilities Commission

Department 4f-WWT Secondary Treatment

Contact Steve Mattson

Type Unassigned

Useful Life 20

Category WW System

Priority 03 - Moderate Need

Status Active

Project # WWSP2301
Project Name Septic Hauler Dump Station

Total Project Cost: \$350,000

Description

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

Justification

| Expenditures | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|---------------------|----------------|-------------|-------------|-------------|-------------|----------------|
| Purchases | 350,000 | | | | | 350,000 |
| Total | 350,000 | | | | | 350,000 |

Budget Impact/Other

Capital Plan

Data in Year 2023 and 2027

Department 4f-WWT Secondary Treatment

Grand Rapids Public Utilities Commission

Contact Steve Mattson

Project # WWSP2302
Project Name Bleach Tank Repair/Replacement

Type Unassigned

Useful Life 20

Category Equipment

Priority 01 - Required

Status Active

Total Project Cost: \$50,000

Description
 The tanks used for sodium hypochlorite for disinfection in the secondary plant need repair or replacement .

Justification
 The old poly tanks require a threaded bung in order to connect to the discharge piping. This requires a part on the inside of the tank and a gasket and a nut to seal the discharge. This makes for an unsafe maintenance project whenever we have leaks.

| Expenditures | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|------------------|---------------|------|------|------|------|---------------|
| Purchases | 35,000 | | | | | 35,000 |
| Labor | 5,000 | | | | | 5,000 |
| Contractor Labor | 10,000 | | | | | 10,000 |
| Total | 50,000 | | | | | 50,000 |

| Funding Sources | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|----------------------------------|---------------|------|------|------|------|---------------|
| Customer Contributions-Cohasset | 1,146 | | | | | 1,146 |
| Customer Contributions-LaPrairie | 678 | | | | | 678 |
| Customer Contributions-UPM | 35,000 | | | | | 35,000 |
| Rplcmt Fund-WWC share/business | 13,176 | | | | | 13,176 |
| Total | 50,000 | | | | | 50,000 |

Budget Impact/Other

| Budget Items | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|------------------|---------------|------|------|------|------|---------------|
| Capital Projects | 50,000 | | | | | 50,000 |
| Total | 50,000 | | | | | 50,000 |

Capital Plan

Data in Year 2023 and 2027

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: \$4,000

| | |
|---------------------|---------------------------------------|
| Project # | CITE2302 |
| Project Name | Personal Computer Replacements |

| |
|---|
| Description |
| Annual replacement/upgrade of GRPUC personal computers/workstations |

| |
|--|
| Justification |
| Maintenance. Replace personal computers due to obsolescence. |

| Expenditures | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|---------------------|--------------|-------------|-------------|-------------|-------------|--------------|
| Purchases | 4,000 | | | | | 4,000 |
| Total | 4,000 | | | | | 4,000 |

| Funding Sources | 2023 | 2024 | 2025 | 2026 | 2027 | 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

Data in Year 2023 and 2027

Department 5-Technology

Grand Rapids Public Utilities Commission

Contact Tyanne Betts

Project # CITE2303
Project Name Mobile Computers

Type Unassigned

Useful Life 5

Category Computer System

Priority 04 - Minor Need

Status Active

Total Project Cost: \$4,000

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.

| Expenditures | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|--------------|--------------|------|------|------|------|--------------|
| Purchases | 4,000 | | | | | 4,000 |
| Total | 4,000 | | | | | 4,000 |

| Funding Sources | 2023 | 2024 | 2025 | 2026 | 2027 | 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 |
| Total | 4,000 | | | | | 4,000 |

Budget Impact/Other

Capital Plan

Data in Year 2023 and 2027

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: \$65,000

| | |
|---------------------|------------------------|
| Project # | CITE2304 |
| Project Name | Server Upgrades |

| |
|-----------------------|
| Description |
| Upgrade Yukon servers |

| |
|---|
| Justification |
| Maintenance. Network enhancement due to increased technology use. |

| Expenditures | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|---------------------|---------------|-------------|-------------|-------------|-------------|---------------|
| Purchases | 65,000 | | | | | 65,000 |
| Total | 65,000 | | | | | 65,000 |

| Funding Sources | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|----------------------------------|---------------|-------------|-------------|-------------|-------------|---------------|
| Customer Contributions-UPM | 0 | | | | | 0 |
| Rplcmt Fund-Elec share/business | 45,500 | | | | | 45,500 |
| Rplcmt Fund-Water share/business | 9,750 | | | | | 9,750 |
| Rplcmt Fund-WWC share/business | 9,750 | | | | | 9,750 |
| Total | 65,000 | | | | | 65,000 |

| |
|----------------------------|
| Budget Impact/Other |
| |

Capital Plan

Data in Year 2023 and 2027

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 # | CITE2308 |
| Project Name | Software Upgrades |

| |
|--|
| Description |
| Upgrade GP Dynamics/Cogsdale to latest builds. |

| |
|---|
| Justification |
| Maintenance. Annual business accounting software upgrade. |

| Expenditures | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|---------------------|---------------|-------------|-------------|-------------|-------------|---------------|
| Purchases | 10,000 | | | | | 10,000 |
| Total | 10,000 | | | | | 10,000 |

| Funding Sources | 2023 | 2024 | 2025 | 2026 | 2027 | 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 |
| Total | 10,000 | | | | | 10,000 |

| |
|----------------------------|
| Budget Impact/Other |
| |

Capital Plan

Data in Year 2023 and 2027

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

Total Project Cost: \$2,000

| | |
|---------------------|--|
| Project # | CITE2309 |
| Project Name | Miscellaneous Computer Hardware |

| |
|--|
| Description |
| Replace computer equipment, as needed. |

| |
|---|
| Justification |
| Maintenance. Replace failed equipment.. |

| Expenditures | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|---------------------|--------------|-------------|-------------|-------------|-------------|--------------|
| Purchases | 2,000 | | | | | 2,000 |
| Total | 2,000 | | | | | 2,000 |

| Funding Sources | 2023 | 2024 | 2025 | 2026 | 2027 | 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 |
| Total | 2,000 | | | | | 2,000 |

| |
|----------------------------|
| Budget Impact/Other |
| |

Capital Plan

Data in Year 2023 and 2027

Department 5-Technology

Grand Rapids Public Utilities Commission

Contact Jean Lane

Project # CITE2310
Project Name NEW ERP SOFTWARE - UB AR AP PROJ PYRL FS BUDG

Type Unassigned

Useful Life 7

Category Computer System

Priority 01 - Required

Status Active

Total Project Cost: \$250,000

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 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|--------------|----------------|------|------|------|------|----------------|
| Purchases | 250,000 | | | | | 250,000 |
| Total | 250,000 | | | | | 250,000 |

Budget Impact/Other

| Budget Items | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|------------------|----------------|------|------|------|------|----------------|
| Capital Projects | 250,000 | | | | | 250,000 |
| Total | 250,000 | | | | | 250,000 |

Capital Plan

Data in Year 2023 and 2027

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: \$4,000

| | |
|---------------------|---------------------------------------|
| Project # | CITE2402 |
| Project Name | Personal Computer Replacements |

| |
|---|
| Description |
| Annual replacement/upgrade of GRPUC personal computers/workstations |

| |
|--|
| Justification |
| Maintenance. Replace personal computers due to obsolescence. |

| Expenditures | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|---------------------|-------------|--------------|-------------|-------------|-------------|--------------|
| Purchases | | 4,000 | | | | 4,000 |
| Total | | 4,000 | | | | 4,000 |

| Funding Sources | 2023 | 2024 | 2025 | 2026 | 2027 | 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

Data in Year 2023 and 2027

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

Total Project Cost: \$4,000

Project # CITE2403
Project Name Mobile Computers

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.

| Expenditures | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|--------------|------|--------------|------|------|------|--------------|
| Purchases | | 4,000 | | | | 4,000 |
| Total | | 4,000 | | | | 4,000 |

| Funding Sources | 2023 | 2024 | 2025 | 2026 | 2027 | 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 |
| Total | | 4,000 | | | | 4,000 |

Budget Impact/Other

Capital Plan

Data in Year 2023 and 2027

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 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|---------------------|-------------|---------------|-------------|-------------|-------------|---------------|
| Purchases | | 65,000 | | | | 65,000 |
| Total | | 65,000 | | | | 65,000 |

| Funding Sources | 2023 | 2024 | 2025 | 2026 | 2027 | 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 |
| Total | | 65,000 | | | | 65,000 |

| |
|----------------------------|
| Budget Impact/Other |
| |

Capital Plan

Data in Year 2023 and 2027

Department 5-Technology

Grand Rapids Public Utilities Commission

Contact Tyanne Betts

| | |
|---------------------|--------------------------|
| Project # | CITE2408 |
| Project Name | Software Upgrades |

Type Unassigned

Useful Life 5

Category Computer System

Priority 02 - Significant Need

Status Active

Total Project Cost: \$10,000

| |
|--|
| Description |
| Upgrade GP Dynamics/Cogsdale to latest builds. |

| |
|---|
| Justification |
| Maintenance. Annual business accounting software upgrade. |

| Expenditures | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|---------------------|-------------|---------------|-------------|-------------|-------------|---------------|
| Purchases | | 10,000 | | | | 10,000 |
| Total | | 10,000 | | | | 10,000 |

| Funding Sources | 2023 | 2024 | 2025 | 2026 | 2027 | 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 |
| Total | | 10,000 | | | | 10,000 |

| |
|----------------------------|
| Budget Impact/Other |
| |

Capital Plan

Data in Year 2023 and 2027

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

Total Project Cost: \$2,000

Project # CITE2409
Project Name Miscellaneous Computer Hardware

Description
 Replace computer equipment, as needed.

Justification
 Maintenance. Replace failed equipment..

| Expenditures | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|--------------|------|--------------|------|------|------|--------------|
| Purchases | | 2,000 | | | | 2,000 |
| Total | | 2,000 | | | | 2,000 |

| Funding Sources | 2023 | 2024 | 2025 | 2026 | 2027 | 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 |
| Total | | 2,000 | | | | 2,000 |

Budget Impact/Other

Capital Plan

Data in Year 2023 and 2027

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: \$4,000

| | |
|---------------------|---------------------------------------|
| Project # | CITE2502 |
| Project Name | Personal Computer Replacements |

| |
|---|
| Description |
| Annual replacement/upgrade of GRPUC personal computers/workstations |

| |
|--|
| Justification |
| Maintenance. Replace personal computers due to obsolescence. |

| Expenditures | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|---------------------|-------------|-------------|--------------|-------------|-------------|--------------|
| Purchases | | | 4,000 | | | 4,000 |
| Total | | | 4,000 | | | 4,000 |

| Funding Sources | 2023 | 2024 | 2025 | 2026 | 2027 | 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

Data in Year 2023 and 2027

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

Total Project Cost: \$4,000

| | |
|---------------------|-------------------------|
| Project # | CITE2503 |
| Project Name | Mobile Computers |

| |
|--|
| 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. |

| Expenditures | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|---------------------|-------------|-------------|--------------|-------------|-------------|--------------|
| Purchases | | | 4,000 | | | 4,000 |
| Total | | | 4,000 | | | 4,000 |

| Funding Sources | 2023 | 2024 | 2025 | 2026 | 2027 | 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 |
| Total | | | 4,000 | | | 4,000 |

| |
|----------------------------|
| Budget Impact/Other |
| |

Capital Plan

Data in Year 2023 and 2027

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 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|---------------------|-------------|-------------|---------------|-------------|-------------|---------------|
| Purchases | | | 12,000 | | | 12,000 |
| Total | | | 12,000 | | | 12,000 |

| Funding Sources | 2023 | 2024 | 2025 | 2026 | 2027 | 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 |
| Total | | | 12,000 | | | 12,000 |

| |
|----------------------------|
| Budget Impact/Other |
| |

Capital Plan

Data in Year 2023 and 2027

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 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|--------------|------|------|--------------|------|------|--------------|
| Purchases | | | 8,000 | | | 8,000 |
| Total | | | 8,000 | | | 8,000 |

| Funding Sources | 2023 | 2024 | 2025 | 2026 | 2027 | 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 |
| Total | | | 8,000 | | | 8,000 |

| |
|----------------------------|
| Budget Impact/Other |
| |

Capital Plan

Data in Year 2023 and 2027

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 # | CITE2508 |
| Project Name | Software Upgrades |

| |
|--|
| Description |
| Upgrade GP Dynamics/Cogsdale to latest builds. |

| |
|---|
| Justification |
| Maintenance. Annual business accounting software upgrade. |

| Expenditures | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|---------------------|-------------|-------------|---------------|-------------|-------------|---------------|
| Purchases | | | 10,000 | | | 10,000 |
| Total | | | 10,000 | | | 10,000 |

| Funding Sources | 2023 | 2024 | 2025 | 2026 | 2027 | 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 |
| Total | | | 10,000 | | | 10,000 |

| |
|----------------------------|
| Budget Impact/Other |
| |

Capital Plan

Data in Year 2023 and 2027

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

Total Project Cost: \$2,000

| | |
|---------------------|--|
| Project # | CITE2509 |
| Project Name | Miscellaneous Computer Hardware |

| |
|--|
| Description |
| Replace computer equipment, as needed. |

| |
|---|
| Justification |
| Maintenance. Replace failed equipment.. |

| Expenditures | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|---------------------|-------------|-------------|--------------|-------------|-------------|--------------|
| Purchases | | | 2,000 | | | 2,000 |
| Total | | | 2,000 | | | 2,000 |

| Funding Sources | 2023 | 2024 | 2025 | 2026 | 2027 | 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 |
| Total | | | 2,000 | | | 2,000 |

| |
|----------------------------|
| Budget Impact/Other |
| |

Capital Plan

Data in Year 2023 and 2027

Department 6-Service Center

Grand Rapids Public Utilities Commission

Contact Julie Kennedy

Project # CSCW2022
Project Name South Gate Replacement

Type Unassigned

Useful Life 20

Category Buildings

Priority 02 - Significant Need

Status Active

Total Project Cost: \$20,000

Description
 Replace south gate at CSC so we can card access and mechanical parts protected from outside elements.

Justification
 Facility security

| Expenditures | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|--------------|---------------|------|------|------|------|---------------|
| Purchases | 15,000 | | | | | 15,000 |
| Labor | 5,000 | | | | | 5,000 |
| Total | 20,000 | | | | | 20,000 |

| Funding Sources | 2023 | 2024 | 2025 | 2026 | 2027 | 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

Data in Year 2023 and 2027

Grand Rapids Public Utilities Commission

Department 6-Service Center
Contact Julie Kennedy
Type Unassigned
Useful Life 25
Category Buildings
Priority 02 - Significant Need
Status Active

Project # CSCW2023-3
Project Name CSC Lighting Upgrades - Garage Area

Total Project Cost: \$10,450

Description
 Upgrade combined service center lighting to LED fixtures. 2023 is focused on the mechanics bay area and vapor tight lights for the wash bay.

Justification
 Lower energy use by LED lights combined with motion detectors reduce overall energy consumption with an average of a 3 year payback.

| Expenditures | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|--------------|---------------|------|------|------|------|---------------|
| Purchases | 10,450 | | | | | 10,450 |
| Labor | 0 | | | | | 0 |
| Total | 10,450 | | | | | 10,450 |

| Funding Sources | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|--------------------|---------------|------|------|------|------|---------------|
| City Contributions | 10,450 | | | | | 10,450 |
| Total | 10,450 | | | | | 10,450 |

Budget Impact/Other

| Budget Items | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|------------------|----------|------|------|------|------|----------|
| Capital Projects | 1 | | | | | 1 |
| Total | 1 | | | | | 1 |

Capital Plan

Data in Year 2023 and 2027

Grand Rapids Public Utilities Commission

Department 6-Service Center
Contact Julie Kennedy
Type Unassigned
Useful Life 20
Category Buildings
Priority 03 - Moderate Need
Status Active

Project # CSCW2102
Project Name Building Security Upgrade

Total Project Cost: \$33,000

Description
 Convert key system to upgraded card system.

Justification

| Expenditures | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|------------------|---------------|------|------|------|------|---------------|
| Purchases | 25,000 | | | | | 25,000 |
| Labor | 3,000 | | | | | 3,000 |
| Contractor Labor | 5,000 | | | | | 5,000 |
| Total | 33,000 | | | | | 33,000 |

| Funding Sources | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|----------------------------------|---------------|------|------|------|------|---------------|
| Rplcmt Fund-Elec share/business | 21,450 | | | | | 21,450 |
| Rplcmt Fund-Water share/business | 6,600 | | | | | 6,600 |
| Rplcmt Fund-WWC share/business | 4,950 | | | | | 4,950 |
| Total | 33,000 | | | | | 33,000 |

Budget Impact/Other

Capital Plan

Data in Year 2023 and 2027

Grand Rapids Public Utilities Commission

Department 6-Service Center

Contact Julie Kennedy

Type Unassigned

Useful Life 20

Category Buildings

Priority 04 - Minor Need

Status Active

Total Project Cost: \$14,000

| | |
|---------------------|-----------------------------|
| Project # | CSCW2103 |
| Project Name | Building Landscaping |

| |
|--|
| Description |
| Plant shrubs in front of building-create sitting area for lunch and break. |

| |
|----------------------|
| Justification |
| |

| Expenditures | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|---------------------|---------------|-------------|-------------|-------------|-------------|---------------|
| Purchases | 7,000 | | | | | 7,000 |
| Labor | 2,000 | | | | | 2,000 |
| Contractor Labor | 5,000 | | | | | 5,000 |
| Total | 14,000 | | | | | 14,000 |

| Funding Sources | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|----------------------------------|---------------|-------------|-------------|-------------|-------------|---------------|
| Rplcmt Fund-Elec share/business | 9,100 | | | | | 9,100 |
| Rplcmt Fund-Water share/business | 2,800 | | | | | 2,800 |
| Rplcmt Fund-WWC share/business | 2,100 | | | | | 2,100 |
| Total | 14,000 | | | | | 14,000 |

| |
|----------------------------|
| Budget Impact/Other |
| |

Capital Plan

Data in Year 2023 and 2027

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

Project # CSCW2201
Project Name North Roof Replacement

Total Project Cost: \$80,000

Description
 Replace north roof

Justification

| Expenditures | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|---------------------|-------------|---------------|-------------|-------------|-------------|---------------|
| Purchases | | 80,000 | | | | 80,000 |
| Total | | 80,000 | | | | 80,000 |

| Funding Sources | 2023 | 2024 | 2025 | 2026 | 2027 | 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 |
| Total | | 80,000 | | | | 80,000 |

Budget Impact/Other

Capital Plan

Data in Year 2023 and 2027

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

Project # CSCW2301
Project Name South Roof Replacement

Total Project Cost: \$275,000

Description
 Replace south roof

Justification

| Expenditures | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|---------------------|----------------|-------------|-------------|-------------|-------------|----------------|
| Purchases | 275,000 | | | | | 275,000 |
| Total | 275,000 | | | | | 275,000 |

| Funding Sources | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|----------------------------------|----------------|-------------|-------------|-------------|-------------|----------------|
| Rplcmt Fund-Elec share/business | 178,750 | | | | | 178,750 |
| Rplcmt Fund-Water share/business | 55,000 | | | | | 55,000 |
| Rplcmt Fund-WWC share/business | 41,250 | | | | | 41,250 |
| Total | 275,000 | | | | | 275,000 |

Budget Impact/Other

Capital Plan

Data in Year 2023 and 2027

Grand Rapids Public Utilities Commission

Department 6-Service Center
Contact Julie Kennedy
Type Unassigned
Useful Life 30
Category Buildings
Priority 02 - Significant Need
Status Active

Project # CSCW2302
Project Name Red Rubber Flooring Replacement

Total Project Cost: \$125,000

Description
 red flooring replacement

Justification

| Expenditures | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|------------------|----------------|------|------|------|------|----------------|
| Contractor Labor | 125,000 | | | | | 125,000 |
| Total | 125,000 | | | | | 125,000 |

| Funding Sources | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|----------------------------------|----------------|------|------|------|------|----------------|
| Rplcmt Fund-Elec share/business | 81,250 | | | | | 81,250 |
| Rplcmt Fund-Water share/business | 25,000 | | | | | 25,000 |
| Rplcmt Fund-WWC share/business | 18,750 | | | | | 18,750 |
| Total | 125,000 | | | | | 125,000 |

Budget Impact/Other

Capital Plan

Data in Year 2023 and 2027

Department 6-Service Center

Grand Rapids Public Utilities Commission

Contact

Project # CSCW2400
Project Name Misc CSC CIP

Type Unassigned

Useful Life

Category Water System

Priority

Status Active

Total Project Cost: \$20,000

| Description |
|-------------|
| |

| Justification |
|---------------|
| |

| Expenditures | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|------------------|------|---------------|------|------|------|---------------|
| Contractor Labor | | 20,000 | | | | 20,000 |
| Total | | <u>20,000</u> | | | | <u>20,000</u> |

| Funding Sources | 2023 | 2024 | 2025 | 2026 | 2027 | 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 | | <u>20,000</u> | | | | <u>20,000</u> |

| Budget Impact/Other |
|---------------------|
| |

Capital Plan

Data in Year 2023 and 2027

Department 6-Service Center

Grand Rapids Public Utilities Commission

Contact

Project # CSCW2500
Project Name Misc CSC CIP

Type Unassigned

Useful Life

Category Water System

Priority

Status Active

Total Project Cost: \$20,000

| Description |
|-------------|
| |

| Justification |
|---------------|
| |

| Expenditures | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|------------------|------|------|---------------|------|------|---------------|
| Contractor Labor | | | 20,000 | | | 20,000 |
| Total | | | 20,000 | | | 20,000 |

| Funding Sources | 2023 | 2024 | 2025 | 2026 | 2027 | 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

Data in Year 2023 and 2027

Department 6-Service Center

Grand Rapids Public Utilities Commission

Contact

Project # CSCW2600
Project Name Misc CSC CIP

Type Unassigned

Useful Life

Category Water System

Priority

Status Active

Total Project Cost: \$20,000

| Description |
|-------------|
| |

| Justification |
|---------------|
| |

| Expenditures | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|------------------|------|------|------|---------------|------|---------------|
| Contractor Labor | | | | 20,000 | | 20,000 |
| Total | | | | 20,000 | | 20,000 |

| Funding Sources | 2023 | 2024 | 2025 | 2026 | 2027 | 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

Data in Year 2023 and 2027

Department 6-Service Center

Grand Rapids Public Utilities Commission

Contact

Project # CSCW2700
Project Name Misc CSC CIP

Type Unassigned

Useful Life

Category Water System

Priority

Status Active

Total Project Cost: \$20,000

| Description |
|-------------|
| |

| Justification |
|---------------|
| |

| Expenditures | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|------------------|------|------|------|------|---------------|---------------|
| Contractor Labor | | | | | 20,000 | 20,000 |
| Total | | | | | <u>20,000</u> | <u>20,000</u> |

| Funding Sources | 2023 | 2024 | 2025 | 2026 | 2027 | 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 | | | | | <u>20,000</u> | <u>20,000</u> |

| Budget Impact/Other |
|---------------------|
| |