



Work Session Meeting Agenda
2 Park Drive South, Great Falls, MT
Gibson Room, Civic Center
May 06, 2025
5:30 PM

The agenda packet material is available on the City's website: <https://greatfallsmt.net/meetings>. The Public may view and listen to the meeting on government access channel City-190, cable channel 190; or online at <https://greatfallsmt.net/livestream>.

Public participation is welcome in the following ways:

- Attend in person.
- Provide public comments in writing by 12:00 PM the day of the meeting: Mail to City Clerk, PO Box 5021, Great Falls, MT 59403, or via email to: commission@greatfallsmt.net. Include the agenda item or agenda item number in the subject line, and include the name of the commenter and either an address or whether the commenter is a city resident. Written communication received by that time will be shared with the City Commission and appropriate City staff for consideration during the agenda item, and, will be so noted in the official record of the meeting.

CALL TO ORDER

PUBLIC COMMENT

(Public comment on agenda items or any matter that is within the jurisdiction of the City Commission. Please keep your remarks to a maximum of five (5) minutes. Speak into the microphone, and state your name and either your address or whether you are a city resident for the record.)

WORK SESSION ITEMS

1. Energy Management Review from PowerGas Corporation - Presented by Jim Morin. (estimated 20 minutes)
2. Quarterly Budget Review, 3rd Quarter of FY 2025 - Presented by Melissa Kinzler and Kirsten Wavra. (estimated 45 minutes)

DISCUSSION POTENTIAL UPCOMING WORK SESSION TOPICS

ADJOURNMENT

City Commission Work Sessions are televised on cable channel 190 and streamed live at <https://greatfallsmt.net>. Work Session meetings are re-aired on cable channel 190 the following Thursday morning at 10 a.m. and the following Tuesday evening at 5:30 p.m.

Wi-Fi is available during the meetings for viewing of the online meeting documents.

UPCOMING MEETING SCHEDULE

City Commission Work Session , Tuesday May 20, 2025 5:30 p.m.

City Commission Meeting, Tuesday May 20, 2025 7:00 p.m.

A Summary Analysis: City of Great Falls 6 month Energy Management Review

Presented to Great Falls City Commissioners and City Manager and Staff

by

PowerGas Corporation

May 6, 2025

City of Great Falls - Key Metrics

- ▶ The 6th Month PowerGas Energy Report speaks to:
 - ▶ The scope of the work we perform - Onboarding and then ongoing data management and report information
 - ▶ Work closely with Finance Dept and have spent time with Public Works due to their costs representing on average greater than 50% of the monthly energy consumption particularly in the summer with the water and sewer facilities. Note the following:
 - ▶ Of the annual energy spend for electric power and natural gas which approximates \$3.7MM annually, 95% is electricity
 - ▶ Two largest electric users with 2 IDR primary demand meters are the Water Plant and the Wastewater plant representing 7% of the electric spend out of over 250 accounts and greater than 300 meters. Focus geared to cost reduction and demand peaking mitigation.
 - ▶ Currently working with Public Works personnel to evaluate Primary Demand meter load factors for opportunities to reduce demand charges where opportunities exist and create a template tool for better forecasting of usage and costs.
 - ▶ Mitigating future costs of electricity by evaluating market conditions through blend/extend contract price mitigation.
 - ▶ Cost competitive energy sourcing from current supplier who is weighted toward renewable resources with instate firming resource to insure resource adequacy and reliability for City of GF. With new supplier, GHG emissions are decreasing.

THE BIG PICTURE - KEY METRICS (Continued)

□ Market Trends

22-Oct	\$ 120.00	29 mos. -44.00%
23-Mar	\$ 89.95	
24-Nov	\$ 74.75	
25-Jul?	\$ 67.00	

□ Electricity and Natural Gas Cost and Usage Trends

Comparative Terms	Electricity (Kilowatt Hours)		Natural Gas (MMBtu's)	
<u>Periods:</u>	<u>Usage</u>	<u>Cost</u>	<u>Usage</u>	<u>Cost</u>
CY24	18,607,859	\$3,498,715	27,674	\$168,739
CY23	17,933,049	\$3,485,124	29,038	\$217,697
Increase (Decrease)	3.8%	0.4%	-4.7%	22.5%
12 months ending March 2025	18,670,980	\$3,301,790	30,689	\$188,834
12 Months ending March 2024	18,326,479	\$3,587,875	27,614	\$188,900
Increase (Decrease)	1.88%	(-7.97%)	11.14%	-0.04%

POSSIBLE ACTION ITEMS AND REALIZED/PROJECTED SAVINGS

ACTION ITEMS TO BE CONSIDERED

- ▶ MONTHLY FLASH REPORT IDENTIFIES UNFAVORABLE LOAD FACTORS WHICH CONTRIBUTE TO HIGH DEMAND CHARGES. LARGEST DOLLAR VALUES SHOULD BE INVESTIGATED
- ▶ EVALUTE WTP AND WWTP IDR METER READS FOR POTENTIAL OPPORTUNITIES TO IMPROVE LOAD FACTOR RATINGS
- ▶ LED LIGHTING - REVIEW POLICY AND LIGHTING OPPORTUNITES
- ▶ SOLAR - REQUIRES COST BENEFIT ANALYSIS - GENERALLY LOW EFFICIENCY IN NORTHERN CLIMATES
- ▶ REVIEW HVAC SYSTEMS, INSULATION, AND OTHER COST EFFICIENCIES THROUGH A COMPREHENSIVE ENERGY AUDIT. CITY MAY WISH TO ENGAGE AN ENERGY STAR REVIEW WHICH CAN BE PROVIDED THROUGH POWERGAS USING OUR EIS PLATFORM WHICH INTERFACES WITH EPA'S ENERGY STAR PORTFOLIO TO OBTAIN AN ENERGY STAR RATING.

CALCULATED SAVINGS FOR FYE 2025 AND ONGOING

- ▶ ELECTRICITY SUPPLY: CURRENT CONTRACT REDUCED RATE FROM \$89.95 TO \$74.75 = \$170K IN SAVINGS FOR THE CONTRACT TERM OF 19 MONTHS.
- ▶ LABOR SAVINGS EFFICIENCY IN CODING AND PROCESSING SEVERAL HUNDRED POWER BILLS MONTHLY. FIRST SIX MONTHS ESTIMATED AT \$50,000. ESTIMATE \$90-\$100K ANNUAL SAVINGS.
- ▶ FUTURE POWER SAVINGS COULD BEGIN AS SOON AS JUNE 2025 AND OVER THE NEXT 18 - 19 MONTHS REALIZED SAVINGS OF \$230-240K. CONTRACT EXTENSION WOULD BE TO DECEMBER OF 2028 @ \$67/MWH.
- ▶ ESTIMATED SAVINGS BY DEPARTMENTS OVER NEXT 18 MONTHS:

▶ PUBLIC WORKS:	\$115,000
▶ ADMINISTRATION:	\$227,000 (Inc. AP Prep automation est. savings)
▶ PARK AND RECREATION:	<u>\$ 23,000</u>
▶ <u>TOTALS:</u>	<u>\$365,000</u>

Addendum: The Electric Supply Issue

Annual Electricity Cost or Savings Summary for City of Great Falls: Years 2014-2024

Calendar Year	Average Utility Rate/kWh	Average Choice Rate/kWh	Debit = Addn Cost> Utility Credit = Savings
2024	\$0.1561	\$0.1687	\$286,949
2023	\$0.1795	\$0.1779	\$30,909
2022	\$0.1382	\$0.0943	(\$820,246)
2021	\$0.0871	\$0.0639	(\$540,596)
2020	\$0.0921	\$0.0628	(\$676,856)
2019	\$0.0899	\$0.0651	(\$615,313)
2018	\$0.0837	\$0.0823	(\$45,127)
2017	\$0.0837	\$0.0874	\$91,839
2016	\$0.0955	\$0.0869	(\$234,464)
2015	\$0.0955	\$0.0891	(\$162,180)
2014	\$0.0955	\$0.0902	(\$141,615)
10 Year Savings:	Avg, Rate: \$.1088	Avg. Rate: \$.0971	(\$2,826,700)

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"TOMORROW'S ENERGY SOLUTIONS TODAY"

March 1, 2025

Great Falls City Commissioners
City of Great Falls Montana Attn:
City Manager
PO Box 5021
Great Falls, Montana 59403

Dear City Commissioners and City Manager Doyon,

The Great Falls City Commission has requested an Energy Business Review in connection with our recent engagement which began on July 1, 2024. This report will speak to the following:

- I. **A Review of our engagement work to be performed**
- II. **Overview of Calendar Year 2024 monthly cost/usage for Electricity and Natural Gas**
- III. **Key Scorecard Metrics that reflect our initial quantitative observations**
- IV. **Values achieved for the City of Great Falls since our engagement with a Summary of Savings real and prospective**
- V. **Summary Overview**
- VI. **Addendum #1: December Monthly Flash report**
Addendum #2: Emissions and Sustainability Report (Includes Email attachment)
Addendum #3: Allocation of Costs to City of Great Falls Departments for Electricity/Gas (Includes Email Attachments)

I. Review of Engagement Work to be performed:

By way of recall, the focus of our work consists of providing to the City of Great Falls the following information on an ongoing basis through the initial term of the agreement to include the following features and benefits to the City of Great Falls as listed below:

- 1) The implementation of the Energy Intelligence Suite (EIS) which is a web- based software Portal creation customized for City of Great Falls for the purpose of assisting the City in in Energy Management of costs and usage associated with Electricity and Natural Gas. The EIS system utilize an automated electronic load capture of electric power and natural gas invoices and other commodities which could be added in the future (examples could include water, sewer, garbage). The data capture **will** consist of both a historic data population of natural gas and electric power invoices looking back up to 24 months from contract start date and looking forward for 36 months representing which represent the initial term of the agreement.
- 2) All accounts added to platform will undergo account validation and a 30-point metric audit review to include both historic and prospective monthly invoice data capture.
- 3) Weather Normalization of all data captured.
- 4) Multi-Commodity Data Analysis.

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- 5) Energy Usage and Cost Reporting to include both account and meter level data.
- 6) Centralized Invoice Repository.
- 7) Benchmarking and multiple Business Analytics and Metrics.
- 8) Greenhouse Gas Tracking - Scope 1 and 2.
- 9) Exportable Energy Usage and Cost Reports.
- 10) Unlimited log-ins and User based Security. SOC Data Security Compliance.
- 11) Customizable Exception Reporting.
- 12) Rate Review/Optimization to coincide with utility tariff rate changes.
- 13) Annual Business Reviews.
- 14) A/P Bill Pay Preparation including GL coding.
- 15) Utility Provided Interval Read Data Capture and associated Heat Mapping.
- 16) Assist in preparing any requests for new supply proposals for electric power and natural gas and evaluating any and all proposals and providing recommendations to Client management regarding the best options and practices.
- 17) Work with accounting and finance personnel as may be required regarding any billing issues or supply imbalance calculations.
- 18) Continue to provide relevant futures information on pricing for natural gas and electricity.

Since we engaged in historic invoice capture to set forth a benchmark for prospective analysis dating back to March of 2022, we have done metric audits on over 8000 invoices and established key performance tracking as to buildings and meters for the over 250 accounts and over 300 electric and natural gas meters serving the City.

This update will focus on a few key areas where we have worked with City Finance and personnel to add efficiencies and cost savings into the City's energy management activities. We have included three addendums to supplement and key in on certain data and trends that provide a more comprehensive view of electric power and natural gas usage, however this report focuses primarily on electric power.

Addendum# 1: **Monthly Flash Reports:** These are sent monthly to key City of GF personnel who have responsibilities for managing energy cost.

Addendum #2: **Sustainability and Emissions Report:** Accounts for greenhouse gas emissions by facility and comparatively as well as the make-up of the carbon footprint. With our new power contract, which represents 66% green energy and 34% fossil fuel currently, by 2026 this contracted power will 85% green and 15% fossil fuel.

Addendum #3: **Allocated Costs:** Cost breakdown of electric power for each of the 3 department groupings and for each facility in the city.

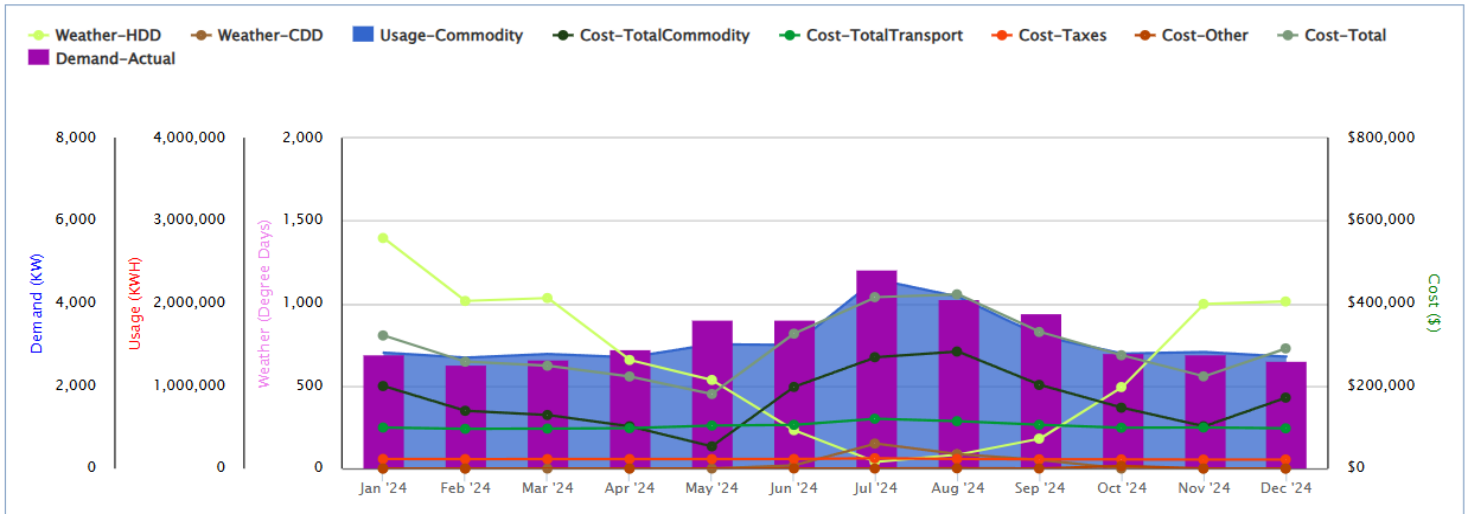
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II. Overview of Calendar Year 2024 monthly cost and usage

12 Month Electricity Cost and Consumption



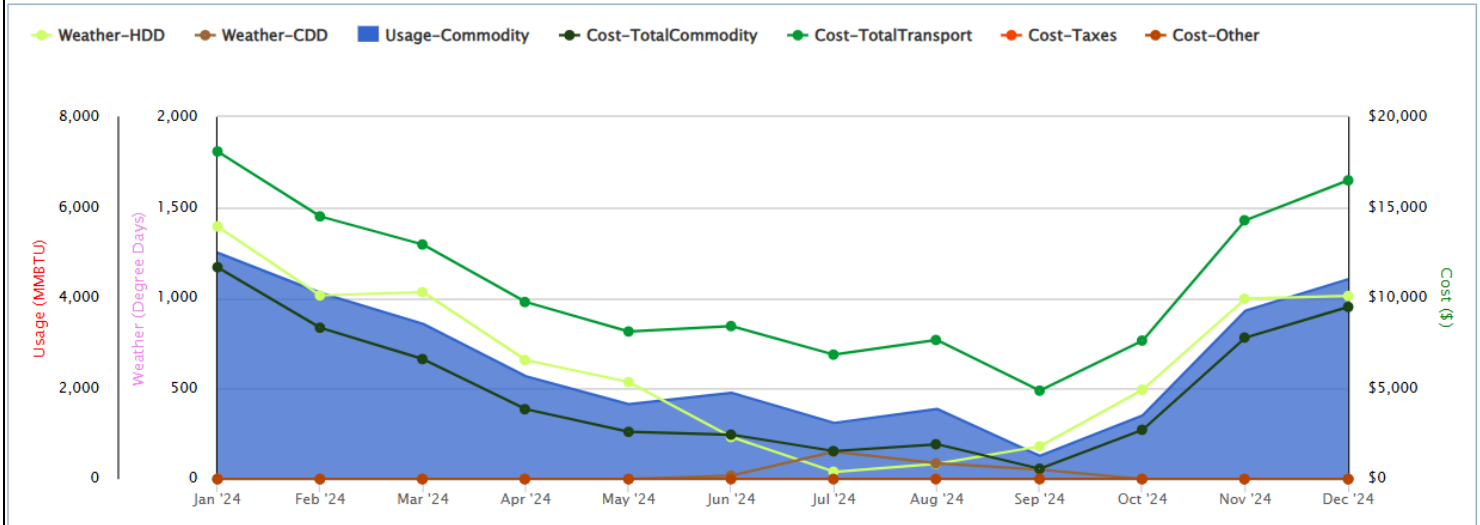
Date	Usage Commodity	Cost(\$) Total Commodity	Total Transport	Taxes	Other	Total	Demand Actual	Weather HDD	CDD
Jan-24	1,402,631	\$199,687.82	\$99,212.00	\$23,127.54	\$0.00	\$322,075.15	2,785	1,395	0
Feb-24	1,342,030	\$139,737.54	\$96,078.16	\$22,796.91	\$0.00	\$258,612.61	2,533	1,014	0
Mar-24	1,385,982	\$129,559.92	\$96,636.91	\$22,840.80	-\$147.93	\$248,889.70	2,647	1,032	0
Apr-24	1,345,842	\$102,113.66	\$97,779.55	\$22,936.44	\$0.00	\$222,829.65	2,888	657	0
May-24	1,503,459	\$53,653.03	\$103,946.89	\$22,884.71	-\$147.56	\$180,337.07	3,626	536	0
Jun-24	1,495,789	\$197,505.28	\$105,686.49	\$23,080.03	\$148.76	\$326,420.56	3,620	232	19
Jul-24	2,290,083	\$269,520.80	\$120,509.88	\$24,857.86	\$5.30	\$414,893.84	4,813	40	151
Aug-24	2,080,087	\$283,205.15	\$114,614.51	\$23,218.93	\$596.30	\$421,634.89	4,119	84	87
Sep-24	1,607,316	\$202,407.86	\$105,893.02	\$22,292.58	\$0.00	\$330,593.46	3,769	181	52
Oct-24	1,390,744	\$147,232.86	\$98,714.74	\$22,102.20	\$6,192.27	\$274,242.07	2,800	493	0
Nov-24	1,410,170	\$102,199.84	\$99,332.26	\$21,607.38	\$0.00	\$223,139.48	2,764	996	0
Dec-24	1,353,726	\$171,612.27	\$97,365.51	\$21,760.95	\$0.00	\$290,738.73	2,607	1,011	0

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II. Overview of Calendar Year 2024 monthly cost and usage (cont.)

12 Month Natural Gas Cost and Consumption



Date	Usage Commodity	Cost(\$) Total Commodity	Total Transport	Taxes	Other	Weather HDD	CDD
Jan-24	5,000	11,698.66	18,088.67	0	0	1,395	0
Feb-24	4,112	8,356.14	14,503.49	0	0	1,014	0
Mar-24	3,427	6,623.71	12,951.7	0	0	1,032	0
Apr-24	2,272	3,854.72	9,774.78	0	0	657	0
May-24	1,653	2,605.15	8,148.88	0	0	536	0
Jun-24	1,906	2,450.83	8,446.22	0	0	232	19
Jul-24	1,238	1,544.45	6,868.6	0	0	40	151
Aug-24	1,548	1,922.01	7,678.77	0	0	84	87
Sep-24	511	569.16	4,880.18	0	0	181	52
Oct-24	1,403	2,719.39	7,645.19	0	0	493	0
Nov-24	3,719	7,811.43	14,289.9	0	0	996	0
Dec-24	4,412	9,502.51	16,494.08	0	0	1,011	0

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III. Key Scorecard Metrics

Analysis of core commodities tracked by key performance indicators (KPI's) and measures that assist in determining facilities and metering where action steps may be required as noted below:

Commodity	KPI's	Energy Intelligence Suite (EIS Measures)	Action Items
Electricity	Load Factor	IDR's/AP Invoice History	Complete load data on IDR's WWTP and WP analysis W-I-P
Electricity/Natural Gas	Cost/SF	Comparative Benchmarking	Respond to negative trends beginning with meter analysis
Electricity/Natural Gas	kBtu Analysis	Energy Efficiency and Annual Energy Summary Report	Track anomalies and trends Helps to develop usage and cost mitigation strategies
Electricity/Natural Gas	Trends and Anomalies	Cost Allocation Analysis and AP Summary Cost Tracking	Develop strategies and simple procedures where possible. Evaluate need for capex depending on cost/benefit
Procurement of Energy	Market Analysis & Review	Fundamental and Periodic Reviews including annual Energy Business Review with Consultant	Adjust contract structures if and when possible
Sustainability	EIS Sustainability Report	Impact of Renewables on Usage/Cost/Carbon Emissions	Understand composition of energy resource portfolio and procurement of those resources relative to cost and sustainability objectives

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IV: Values achieved

Cost Reduction Review Items - Potential Energy Usage and Cost Savings:

- Enhance Load Factor ratings through behavioral changes where significant demand charges are being incurred. Consider possible submetering to assist in cost mitigation if required.
- Study IDR data to determine if a change in timing of certain events is possible and load shifting to non-peak times where possible
- LED lighting - Review policy and lighting opportunities
- Roof top solar - Cost benefit analysis - Generally low efficiency in Northern climate
- Review HVAC systems, insulation, and other energy cost efficiencies through a comprehensive energy audit. City may wish to engage in an Energy Star Review which can be provided through the EIS data base and PowerGas.

Calculated savings for FYE 2025 and ongoing:

- 1) Power savings: New negotiated third party supply contract- start November 2024: FYE 25 savings: Estimated remaining consumption of FYE usage: 11,200,000 kWh. New Supply contract rate savings: (\$89.95 old rate per MWh -\$74.75 per MWh) Approximate Savings: \$15.20/MW = 01520 kW energy rate x 11,200,000 estimated kWh's = \$170,240.
- 2) Labor savings efficiency in processing and coding energy billing: 258 x 8 x \$30 = est. \$62,000
- 3) Future power savings: Negotiating a contract write down through a blend and extend structure= \$74.75 - \$68.02 = \$6.73/MW. Remaining existing contract period impact: 34,100 MWh (est.)= 34,100,000 kWh's x .00673 = \$230,175 estimated additional savings. If Extension were negotiated, would be effective April 1, 2025.

Summary of actual, estimated, and identified savings to date:

<u>ITEMS</u>	<u>FYE 2025</u>	<u>FYE 2026-2027</u>	<u>FUTURE POTENTIAL</u>
Electric Power	\$170,240	\$230,175	TBD
Natural Gas	TBD	TBD	TBD
IBtu (Gas/Power)	TBD (WP/VWTP)	TBD (WP/VWTP)	TBD (WP, VWTP)
Labor Efficiency	\$62,000	\$93,000	\$93,000+
Regulatory Items*	TBD - Demand Cost	TBD - Demand Cost	TBD - Demand Cost
Totals to Date:	\$232,340	\$323,175	\$93,000

Note: Analysis of IDR meters may allow for a reduction of demand charges. Analysis is also underway with all other Secondary Demand meters relative to load factor. These costs are regulatory in terms of transmission and as such are separate from commodity energy charges since they represent a capacity charge verses and energy charge.

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V. Summary Overview

It is important to note that over the last calendar year, the City has spent \$3,498,715 on electricity and \$189,429 on natural gas. Of the \$3,688,144 spent for natural gas and electricity, 95% was spent on electricity. That is the focus of much of the energy cost and usage mitigation and it extends beyond the commodity supply to the regulatory side of the equation and specifically demand charges and how to mitigate those costs. PowerGas has been working with Public Works and in particular Cody McRady at the Waste Water Treatment Plant (WWTP) and the Water Plant (WP) to analyze the demand charges and the time of day reads from the 15-minute Interval read meters to find ways to perhaps mitigate some of these costs.

The work continues in this particular area simply because of all city facilities, the WP and WWTP represent in total over \$250,000 in charges annually amounting to roughly 7% of all electric charges. However, even more significant is street lighting which exceeds \$1,200,000 annually representing more than 34% of total energy costs. The latter item includes an amortization of installation and maintenance costs along with a tariff charge for the non-metered lighting. One block of lighting appears to be significant not only in charges but legacy of service which may invite additional discussion and review with the utility to determine if there could be any adjustment to these costs although due to the ongoing replacement of lighting fixtures and poles which is integrated into the rate structure we are guarded as to any addition changes in rate structure that would lean toward rate reduction.

We continue to observe market changes for both natural gas and electricity advising the city to changing conditions, which observations has introduced a new opportunity to further reduce our electric supply rate. While natural rates fluctuate overtime, the last few years, with a few exceptions have been on the lower end of the scale as to pricing and we believe, depending on weather and demand for gas fired generation, the natural gas prices will be relatively stable over the next 2-3 years.

Of course, major weather events, regulatory policy changes, and national economic trends all play a significant role in the price of natural gas and electricity. No one can out guess the market and the most seasoned strategy looks to fundamentals as an important indicator to what may happen to these prices combined with the weather factor, which for our location on the map, always impacts to some degree price volatility.

We will continue to advise City management as to changing fundamentals and work with the appropriate individuals and departments where we believe improvement and behaviors could affect a positive outcome to a reduction of energy consumption and costs. We always remain available to address any concerns or issues the City may have as we develop information and assist in evaluating strategic opportunities to lessen the impact of energy usage and cost on all City budgets.

Sincerely,



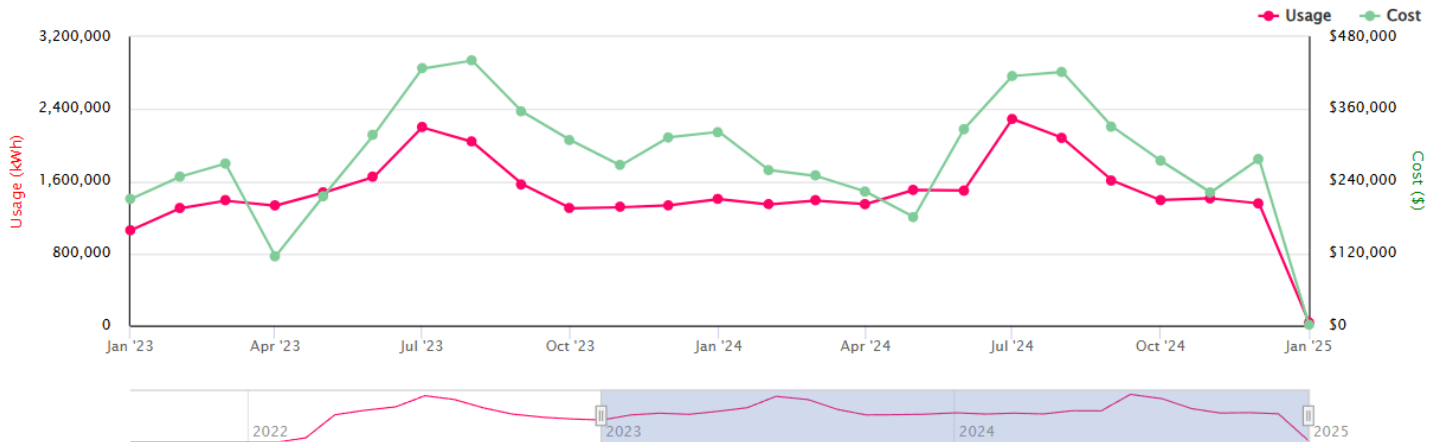
James E. Morin

Attachment #1: City of Great Falls Flash Report December 2024

The **Monthly Flash Report** represents a brief overview of certain KPI's and is not meant as a replacement for the Energy Intelligence Suite (EIS). The following key charts represent a small fraction of the information available from the online portal but allow management a quick view of current vs historic trends. Due to cycle billing, this report presents the most recent, complete, production month data.

EIS Platform

Electric Gas Usage and Cost (EIS Portal: Overview Report)

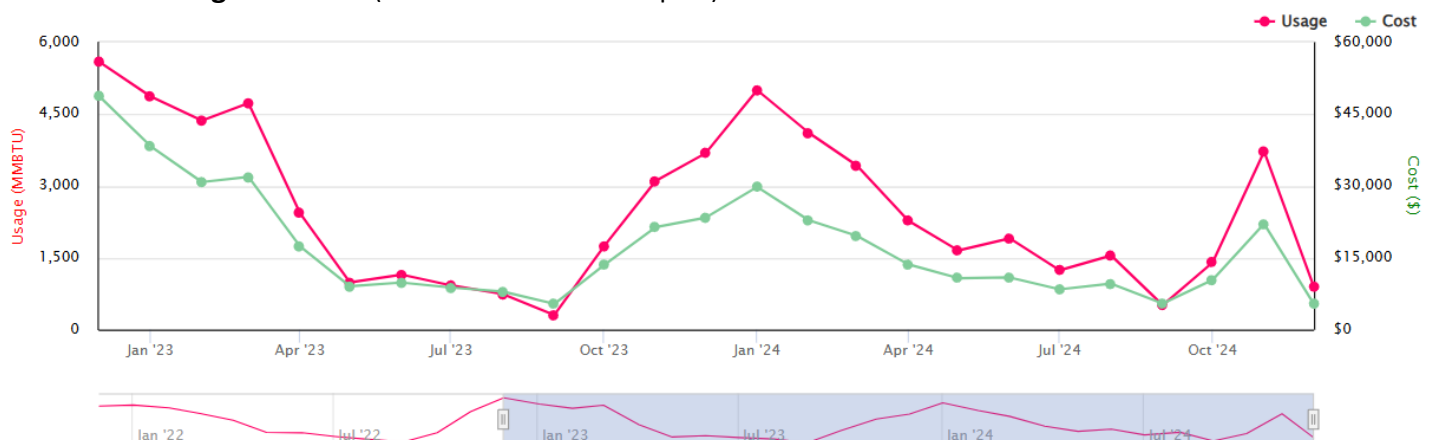


Current 12-month cost: \$3,498,715; Prior 12-month cost: \$3,485,124 (increase of 0.4%).

Current 12-month usage: 18,607,859kWh; Prior 12-month usage: 17,933,049kWh (increase of 3.8%).

(December data reflects 100% of available invoices)

Natural Gas Usage and Cost (EIS Portal: Overview Report)



Current 12-month cost: \$168,739; Prior 12-month cost: \$217,697 (decrease by 22.5%).

Current 12-month usage: 27,674 MMBTU; Prior 12-month usage: 29,038 MMBTU (decrease of 4.7%).

(December data reflects 33% of available invoices)

Spotlight on Core KPIs

Lowest Load Factor vs Largest Monthly Usage (EIS, Payables, History)

Facility	Load Factor	Demand (kW)	Usage(kWh)
WATER 425 29TH AVE NW	16%	54	6,600
WATER 1ST WEST HILL DR	21%	112	16,400
WATER 33RD ST/8TH AVE S	35%	124	33,280
SEWER 10TH AVE SW	39%	35	10,240
PW COMPLEX	45%	24	7,583
PW SHOP	48%	58	20,240
PUBLIC LIBRARY	50%	69	26,000

Note: Load Factor is a measure of an inverse relationship between transmission capacity utilization and energy usage. The lower the load factor percentage the higher the demand charge (kW) as a percentage of energy usage. A load factor of 20% means usage average (kwh) is 20% of the billing cycle peak requirement for energy which equates to a more significant demand charge relative to metered usage. A service site with a low load factor percentage may represent an opportunity to “shave” the peak and reduce demand charges. A 100% load factor means usage and demand are equal where the opportunity for savings would equate to a simple reduction in usage.

Top Energy Intensive Facilities (Custom Report)

Facility	Usage	Commodity	kBTU
WWTP	450,228 kWh	Electric	1,536,178
WATER PLANT 1300 UPPER RIVER RD	349,050 kWh	Electric	1,190,959
PW MAINTENANCE GARAGE	506 MMBTU	Natural Gas	505,620
AIM HIGH BIG SKY	101,600 kWh	Electric	346,659
STREET LIGHTS SID 1070 2NDST NW	55,088 kWh	Electric	187,960
WATER 33RD ST/8TH AVE S	33,280 kWh	Electric	113,551
PUBLIC LIBRARY	26,000 kWh	Electric	88,712
FIRE STATION #2	71 kWh	Electric	71,100
SEWER 800 RIVER DR N	20,800 kWh	Electric	70,970
FIRE STATION #4	71 MMBTU	Natural Gas	70,920
PW SHOP	20,240 kWh	Electric	69,059
PD LIGHT	19,993 kWh	Electric	68,216
HES60 2 11 91 HES60 2 6 91	19,513 kWh	Electric	66,578
ANIMAL SHELTER	64 MMBTU	Natural Gas	63,830

WATER 1ST WEST HILL DR	16,400 kWh	Electric	55,957
SOUTH GARAGE	13,840 kWh	Electric	47,222
SID 1061 1ST AVE S N SD WHITTIER PARK	13,515 kWh	Electric	46,113
DISPATCH CENTER	13,280 kWh	Electric	45,311
NORTH PARKING GARAGE	11,880 kWh	Electric	40,535

Note: the kBTU (one-thousand BTUs) unit of measure reflects the combination of both natural gas and electricity in an equivalent value. For gas, one MMBTU is equal to one million BTUs, and for electric, one kilowatt hour is equal to 3,412 BTUs. Total BTUs are summed, then divided by 1,000 to convert BTUs to kBTUs.

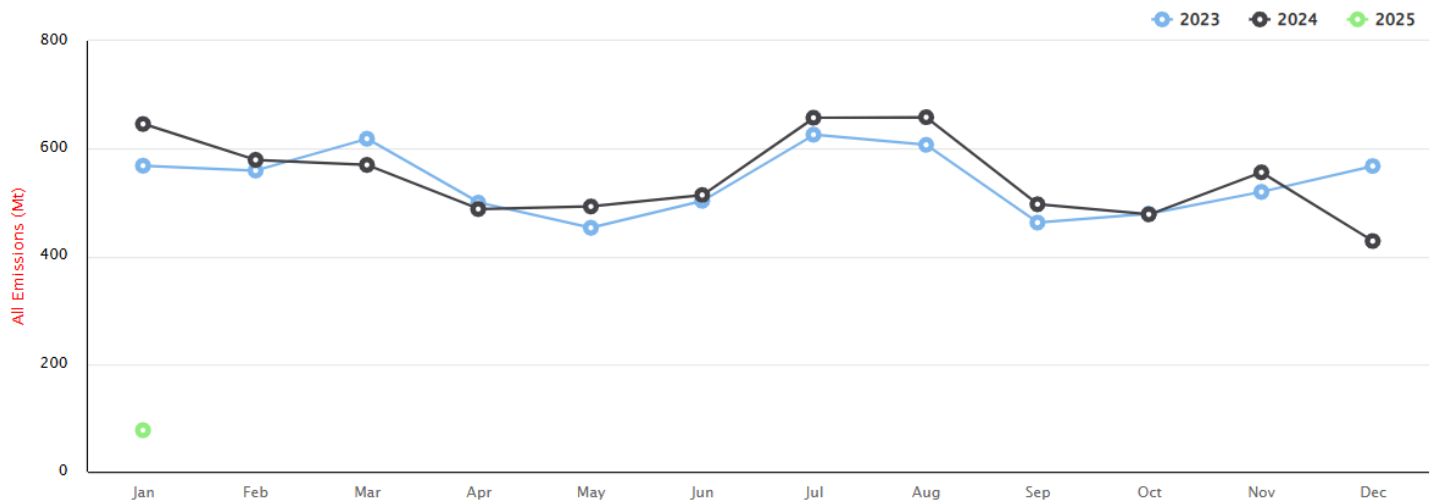
Top Annual Greenhouse Gas Producers (EIS Portal: Sustainability Report, GHG Emissions Report)
(Jan 2024 to Jan 2025)

Agenda #1.

Facility	Usage	Commodity	CO2e (mt)
WATER PLANT 1300 UPPER RIVER RD	5,965,493 kWh	Electric	1,639.4323
WWTP	5,379,449 kWh	Electric	1,478.3760
WATER PLANT 1301	5,325 MMBtu	Natural Gas	282.8263
AIM HIGH BIG SKY	773,794 kWh	Electric	212.6536
STREET LIGHTS SID 1070 2NDST NW	684,462 kWh	Electric	188.1034
WATER 33RD ST/8TH AVE S	593,818 kWh	Electric	163.1927

Two-year Emissions Data Comparison (EIS Portal: Analysis, Facility Summary, Emissions tab)

Emissions Summary Data



Year over Year Total Greenhouse Gas Generation

(Jan 2023 – Jan 2024 vs Jan 2024 – Jan 2025)

Last year total: 7,108 metric tons; this year total: 6,640 metric tons. Decrease of 6.8%.

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406.761.5100 (O) 406.781.6529 (M)
WWW.POWERGASCORPORATION.COM

Questions, thoughts, or comments? Feel free to contact me:

Jim Morin, jmorin@powergascorporation.com, (406) 761-5100 (O) or (406) 781-6529 (M)

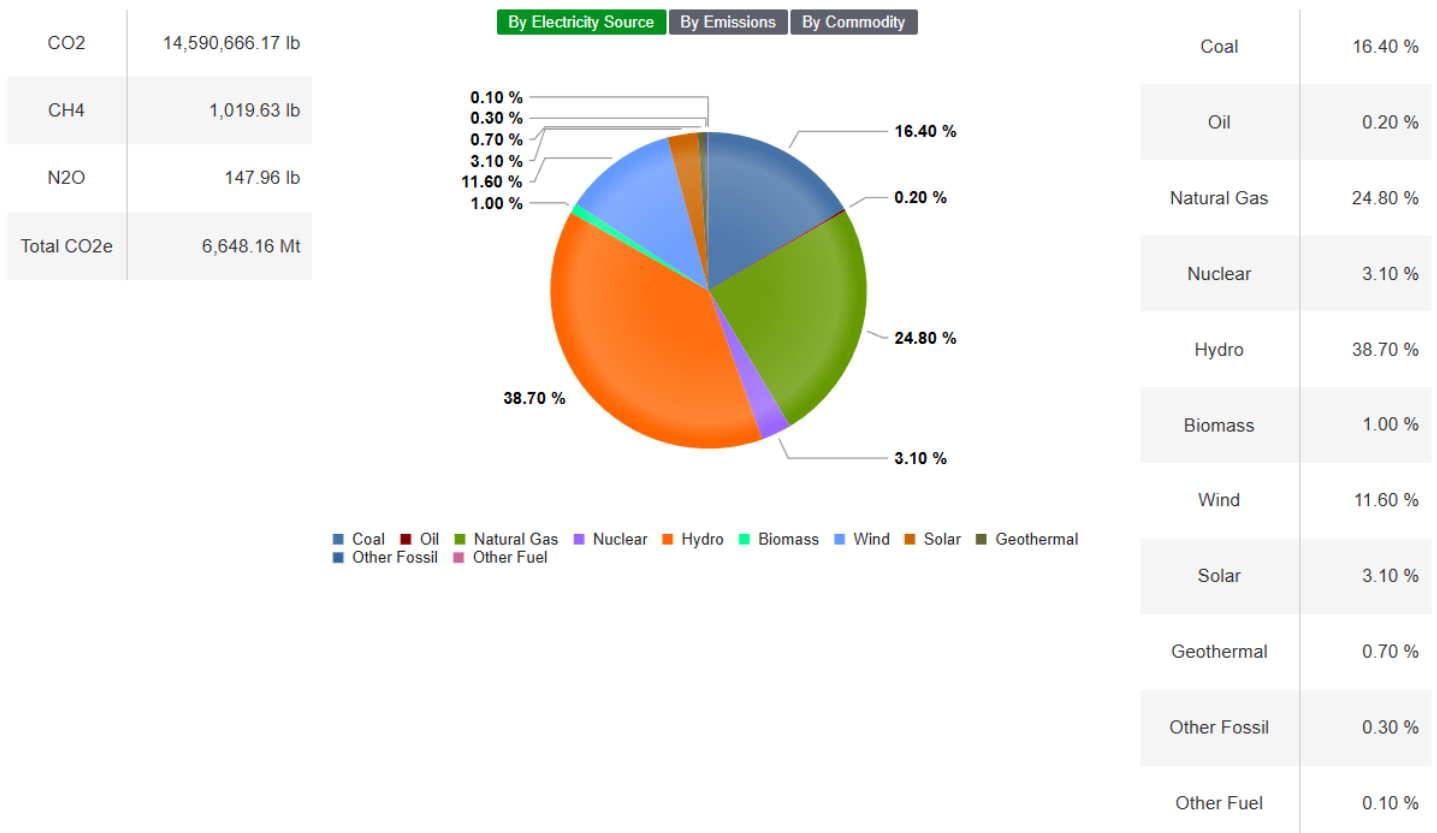
Attachment #2 - Sustainability (See also email attachment)

Excerpt from Sustainability Page on City of GF EIS platform.

The Carbon Management Tab on the Sustainability Page in the EIS platform provides users the ability to Quantify their source of greenhouse gas output over a selection of timeframes. We can also adjust for Renewable Energy Credits (REC's). In the center of the page displays a pie chart that can be changed to view output by Electricity Source, By Emissions, and By Commodity.

This report is calculated on a Calendar Month methodology. The Calendar Month is calculated by dividing the number of days in a meter read cycle in the usage and cost, yielding a daily average usage and cost for the invoice. The daily average is assigned to each day in the read cycle, then the daily average are summed into Calendar month time frames.

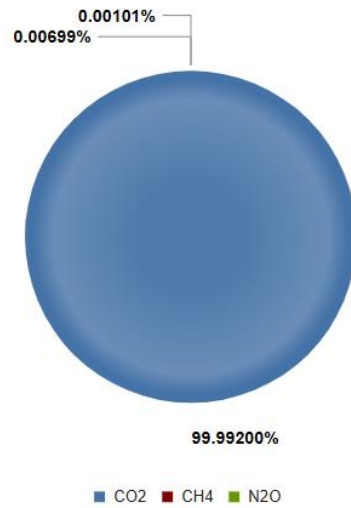
Report of Emissions by Source



Report of Emissions by Emission Type

CO2	14,590,666.17 lb
CH4	1,019.63 lb
N2O	147.96 lb
Total CO2e	6,648.16 Mt

By Electricity Source By Emissions By Commodity

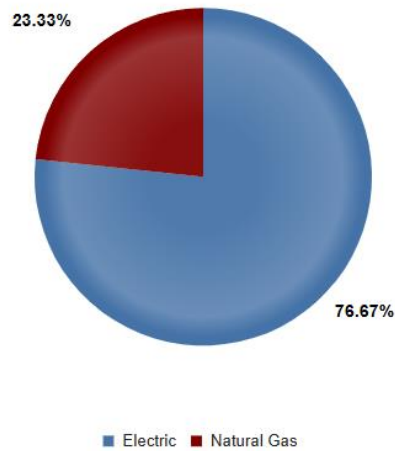


CO2	99.9920%
CH4	0.0070%
N2O	0.0010%

Report of Emissions by Commodity

CO2	14,590,666.17 lb
CH4	1,019.63 lb
N2O	147.96 lb
Total CO2e	6,648.16 Mt

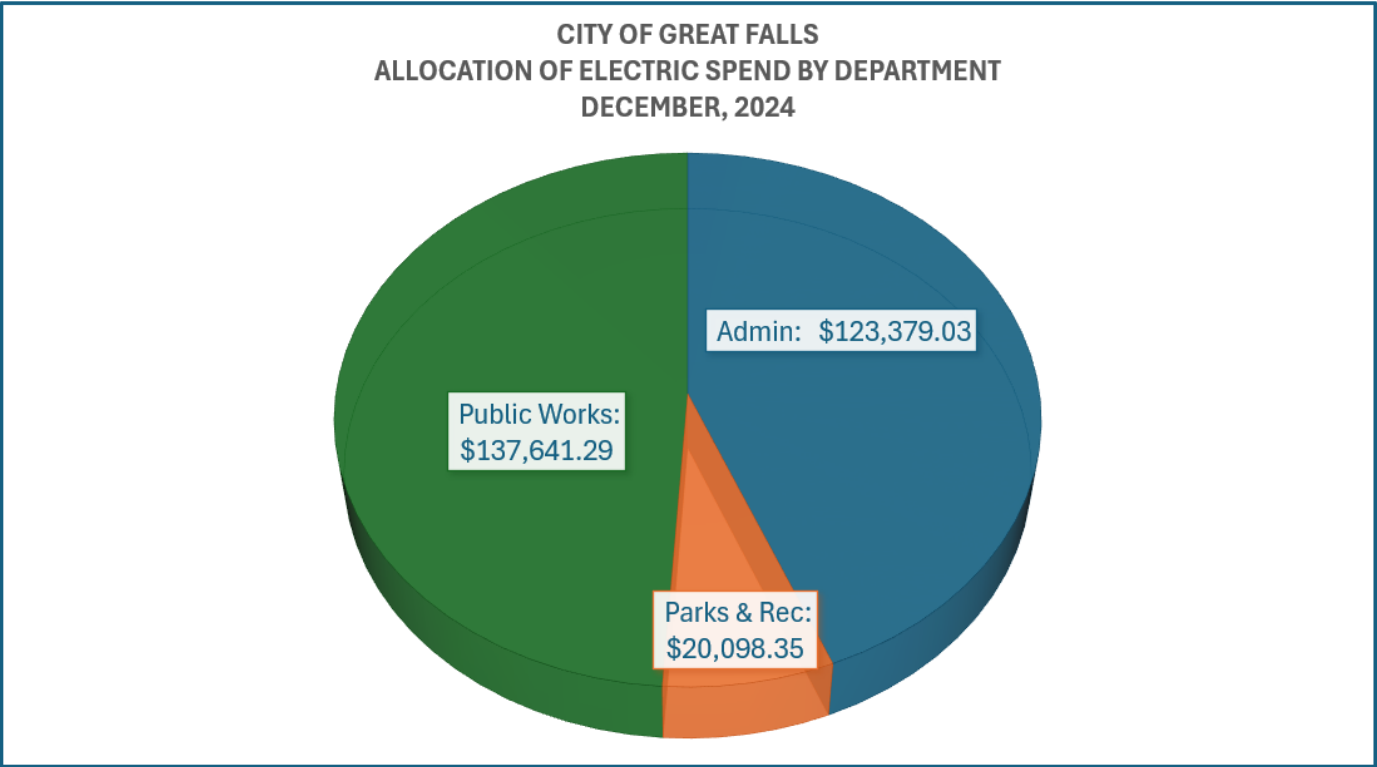
By Electricity Source By Emissions By Commodity



Electric	76.6703%
Natural Gas	23.3297%

Attachment #3: Allocations of Electric Spend

In December of 2024 Public Works accounted for 49% of all electricity expenditures, followed by Park and Rec with 7% and all other departments including street lighting classified under Administration at 44% of electric consumption. These cost percentages will change month to month but the split remains relatively the same with Public Works becoming more significant in the summer with the demand for water use. See pie chart below followed by details of allocated costs across City departments and facilities in email attachment.



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Quarterly Budget Review

- 3rd Quarter Fiscal Year 2025

1



3rd Quarter Fiscal Year 2025

General Fund

- Three Year Comparison
- Revenue
- Expenses
- Cash Flow
- Projections

2



General Fund Three Year Comparison

	As of 3/31/xxxx		
	Fiscal Year 2025	Fiscal Year 2024	Fiscal Year 2023
Revenue Totals	\$24,837,839	\$24,361,831	\$23,001,536
Expense Totals	\$30,872,163	\$28,539,180	\$27,563,068
Revenue Over (Under) Expenditures	(\$6,034,323)	(\$4,177,349)	(\$4,561,532)
Beginning Fund Balance, 7/1	\$11,000,824	\$10,679,388	\$11,741,081
Net Change	(\$6,034,323)	(\$4,177,349)	(\$4,561,532)
Ending Fund Balance, 3/31	\$4,966,501	\$6,502,039	\$7,179,549

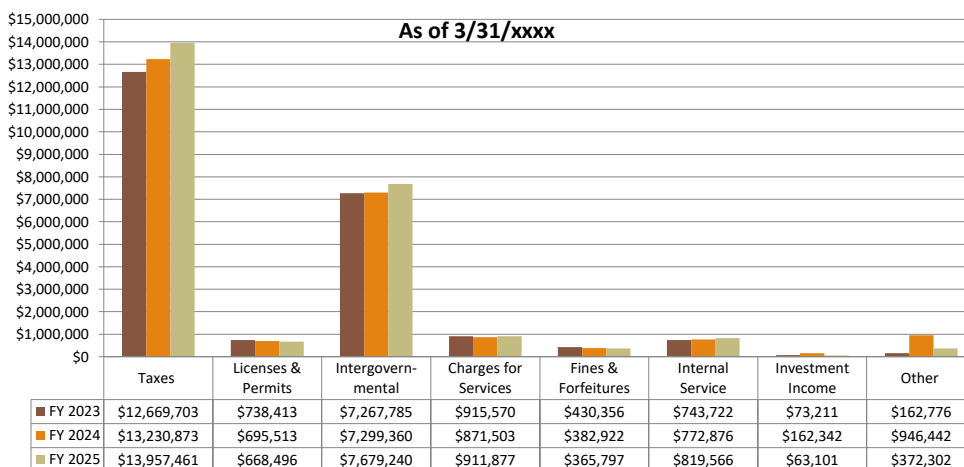
22% Target Fund Balance

\$8,979,234

3



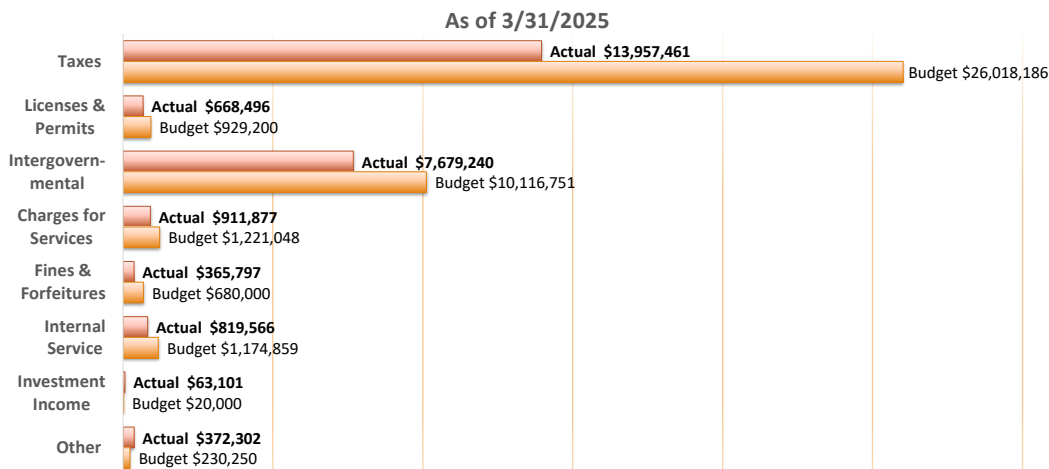
General Fund Three Year Revenue Comparison



4



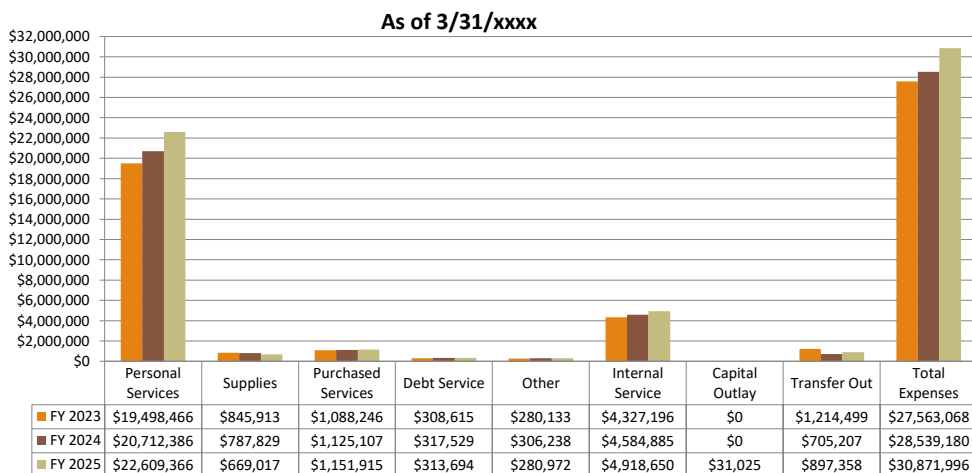
General Fund Revenue Budget to Actual Comparison



5



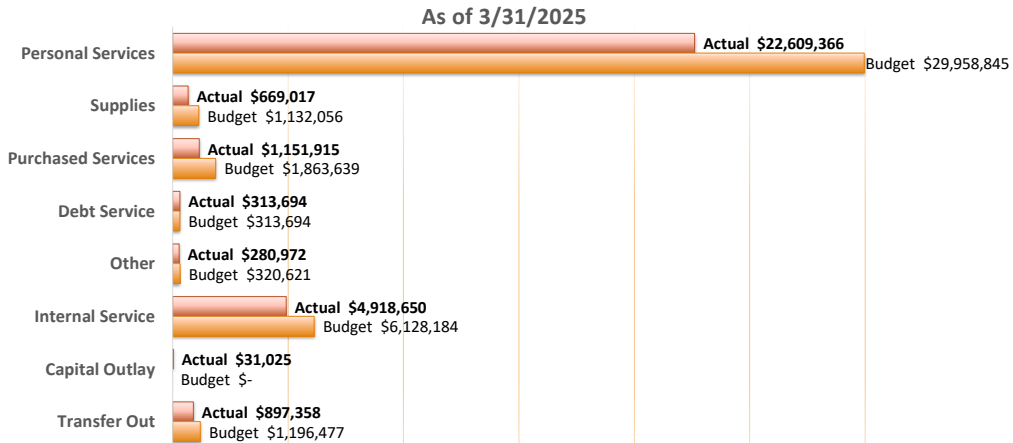
General Fund Three Year Expense Comparison



6

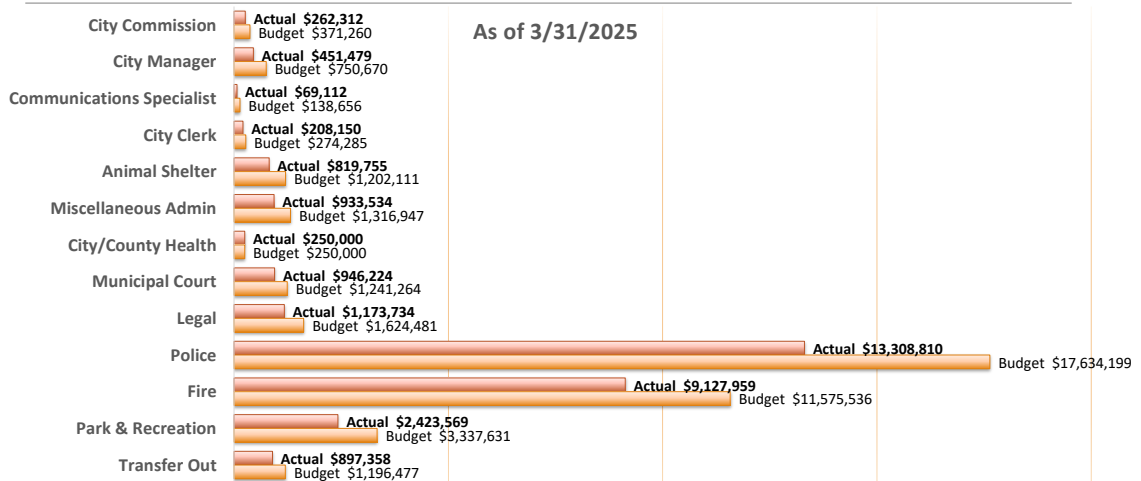


General Fund Expenses Budget to Actual Comparison by Category



7

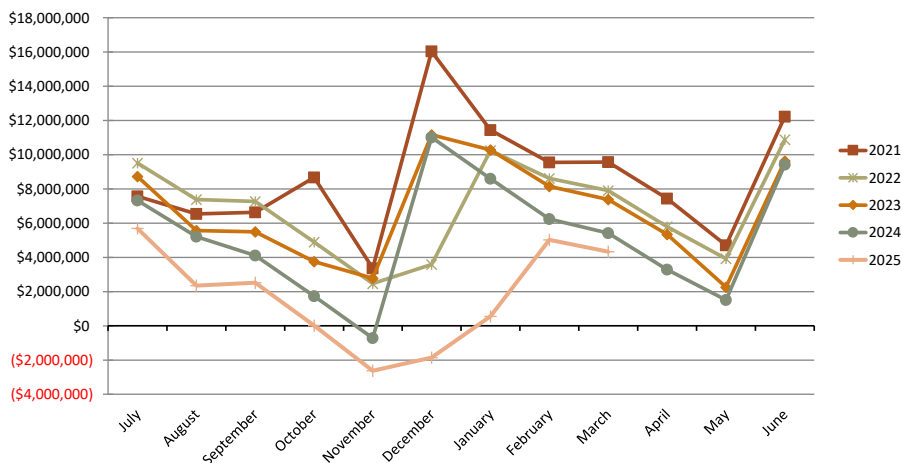
General Fund Expenses Budget to Actual Comparison by Department



8



General Fund Monthly Cash Flow by Fiscal Year



9



General Fund Updated Revenue Projections

Newly Taxable Property

Budgeted in FY2025	\$	400,000
Actual Levied in FY2025	\$	710,064
Increase to Projected Fund Balance	\$	310,064

Protested Taxes

City's Protested Taxes at 3/31/2025	FY24 Taxes Due	FY25 1 ST Half Taxes Due	Total Protested Taxes
General Levy	\$ 905,912.38	\$ 275,713.37	\$ 1,181,625.75
Permissive Medical Levy	\$ 178,674.16	\$ 55,481.84	\$ 234,156.00
Soccer Park Levy	\$ 7,429.88	\$ 0.00	\$ 7,429.88
Library Levy	\$ 101,046.60	\$ 29,119.83	\$ 130,119.83
Total Protested Taxes	\$ 1,193,063.02	\$ 360,315.04	\$ 1,553,378.06

- \$1,000,000 protested taxes included in FY2025 budget
 - Projecting \$720,630 in protested taxes for FY2025
 - \$279,370 increase to projected fund balance

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General Fund Projected Unreserved Fund Balance

	FY2025 Adopted Budget		FY2025 Projected	
Beginning Fund Balance, 7/1	\$ 11,000,824		\$ 11,000,824	
Net Change	\$ (444,405)		\$ 145,030	
Ending Fund Balance, 6/30	<u>\$ 10,556,419</u>	25.86%	<u>\$ 11,145,854</u>	27.31%
22% Target Fund Balance	\$ 8,979,234			

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General Fund Projected Revenues



General Fund Revenue Segment	FY2023 Increases	FY2024 Increases	FY2025 Increases	FY2026 Increases
Newly Taxable Property	\$ 352,303	\$ 1,510,213 Protested (\$1,093,591)	\$ 710,064	Amount not known until August. Legislature?
Inflationary Factor	\$ 641,691 Used carry-over mills from prior 2 years	\$ 446,080	\$ 562,520	\$ 448,822 Legislature?
Permissive Medical Levy	\$ 247,551	\$ 353,043	\$ 317,544	No projected increase after move to 80%/20%
Entitlement Share	\$ 294,004	\$ 311,446	\$ 319,522	\$ 87,666
Total Revenue Increase	\$ 1,535,549	\$ 2,620,782	\$1,909,650	

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3rd Quarter Fiscal Year 2025

Funds Muddling Through

- Golf Courses
- Swimming Pools
- Recreation
- Multi-Sports
- Aim High Big Sky
- Civic Center Events
- Parking
- Planning & Community Development
- Health & Benefits

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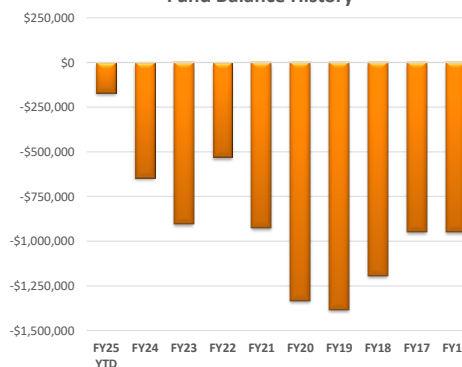


Golf Courses Fund

Course Co. Financials as of March 31, 2025

	As of 3/31/xxxx		
	Fiscal Year 2025	Fiscal Year 2024	Fiscal Year 2023
Operating Revenues	\$1,083,104	\$930,480	\$808,335
Revenue Received from Course Co.	\$0	\$0	\$0
Revenue Totals	\$1,083,104	\$930,480	\$808,335
Expense Totals	\$1,199,316	\$1,141,811	\$1,013,508
Revenue Over (Under) Expenditures	(\$116,212)	(\$211,331)	(\$205,173)
Beginning Fund Balance, 7/1	(\$54,253)	(\$313,202)	(\$530,804)
Net Change	(\$116,212)	(\$211,331)	(\$205,173)
Ending Fund Balance, 3/31	(\$170,465)	(\$524,533)	(\$735,977)
Cash Balance as of 3/31/2025	\$356,412		
Cashed Owed to General Fund	\$678,251		

Fund Balance History

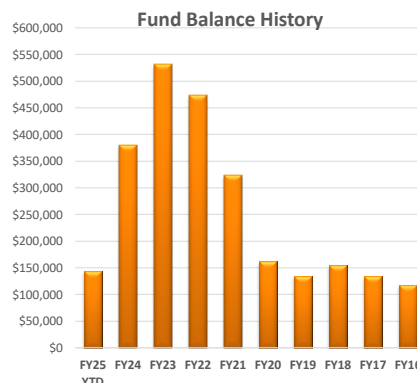


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Swimming Pools Fund

	As of 3/31/xxxx			
	Fiscal Year 2025	Fiscal Year 2024	Fiscal Year 2023	Fiscal Year 2022
Revenue - Operating	\$251,114	\$310,284	\$315,891	\$314,742
Revenue - Transfer In (CARES)	\$0	\$0	\$0	\$41,170
Revenue - Transfer In (ARPA)	\$96,646	\$200,896	\$200,896	\$200,896
Revenue Totals	\$347,760	\$511,179	\$516,786	\$556,808
Expenditure Totals	\$582,400	\$537,201	\$473,996	\$439,148
Revenue Over (Under) Expenditures	(\$234,641)	(\$26,022)	\$42,791	\$117,660
Beginning Fund Balance, 7/1	\$378,986	\$530,889	\$472,771	\$323,257
Net Change	(\$234,641)	(\$26,022)	\$42,791	\$117,660
Ending Fund Balance, 3/31	\$144,345	\$504,867	\$515,562	\$440,917
Cash Balance as of 3/31/2025	\$146,420			

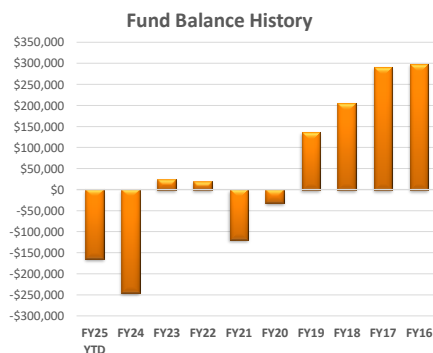


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Recreation Fund

	As of 3/31/xxxx			
	Fiscal Year 2025	Fiscal Year 2024	Fiscal Year 2023	Fiscal Year 2022
Revenue - Operating	\$86,800	\$141,881	\$144,937	\$104,802
Revenue - Transfer In (General Fund)	\$0	\$29,405	\$29,405	\$29,405
Revenue - Transfer In (CARES)	\$0	\$0	\$105,000	\$226,153
Revenue Totals	\$86,800	\$171,286	\$279,341	\$360,359
Expenditure Totals	\$6,604	\$399,969	\$400,604	\$336,805
Revenue Over (Under) Expenditures	\$80,196	(\$228,683)	(\$121,263)	\$23,555
Beginning Fund Balance, 7/1	(\$245,629)	\$25,570	\$19,805	(\$118,836)
Net Change	\$80,196	(\$228,683)	(\$121,263)	\$23,555
Ending Fund Balance, 3/31	(\$165,433)	(\$203,113)	(\$101,458)	(\$95,281)
Cash Balance as of 3/31/2025	(\$115,031)			

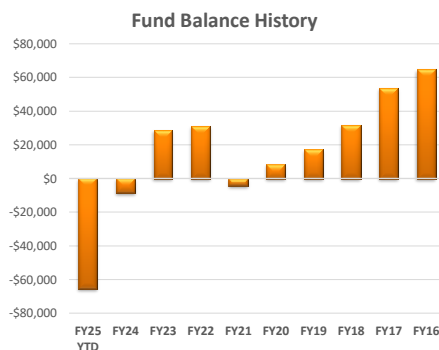


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Multi-Sports Fund

	As of 3/31/xxxx			
	Fiscal Year 2025	Fiscal Year 2024	Fiscal Year 2023	Fiscal Year 2022
Revenue - Operating	\$19,595	\$22,617	\$20,200	\$25,195
Revenue - Transfer In (CARES)	\$0	\$0	\$25,875	\$65,000
Revenue Totals	\$19,595	\$22,617	\$46,075	\$90,195
Expenditure Totals	\$76,481	\$74,078	\$53,379	\$59,016
Revenue Over (Under) Expenditures	(\$56,886)	(\$51,461)	(\$7,304)	\$31,179
Beginning Fund Balance, 7/1	(\$8,674)	\$28,547	\$31,086	(\$4,210)
Net Change	(\$56,886)	(\$51,461)	(\$7,304)	\$31,179
Ending Fund Balance, 3/31	(\$65,561)	(\$22,915)	\$23,782	\$26,969
Cash Balance as of 3/31/2025	(\$64,031)			



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Aim High Big Sky Fund

As of 3/31/2025	
YTD Revenues: \$920,610	
Charges for Services	Actual \$695,305 Budget \$2,168,938
Transfer In (General Fund)	Actual \$225,305 Budget \$300,407
YTD Expenses: \$1,255,766	
Personal Services	Actual \$810,501 Budget \$1,757,807
Supplies	Actual \$84,873 Budget \$117,200
Purchased Services	Actual \$225,696 Budget \$430,449
Internal Service	Actual \$134,696 Budget \$163,889

Revenues Over (Under) Expenses: (\$335,154)

Fund Balance: (\$165,161)

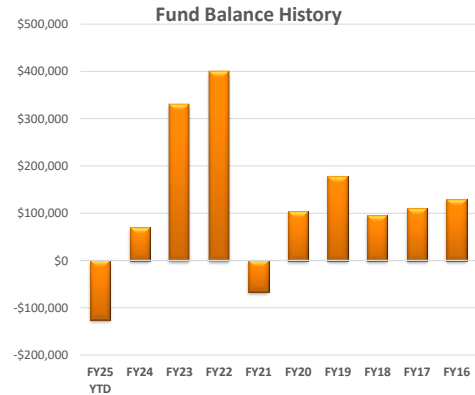
Cash Balance: (\$155,910)

18



Civic Center Events Fund

	As of 3/31/xxxx			
	Fiscal Year 2025	Fiscal Year 2024	Fiscal Year 2023	Fiscal Year 2022
Revenue - Operating	\$184,422	\$257,878	\$158,429	\$129,353
Revenue - Transfer In (CARES)	\$0	\$0	\$0	\$520,106
Revenue - Transfer In (General Fund)	\$100,500	\$0	\$199,435	\$199,435
Revenue Totals	\$284,922	\$257,878	\$357,864	\$848,893
Expenditure Totals	\$451,023	\$447,575	\$409,865	\$412,299
Revenue Over (Under) Expenditures	(\$166,101)	(\$189,697)	(\$52,001)	\$436,594
Beginning Fund Balance, 7/1	\$40,820	\$300,587	\$371,007	(\$95,178)
Net Change	(\$166,101)	(\$189,697)	(\$52,001)	\$436,594
Ending Fund Balance, 3/31	(\$125,281)	\$110,889	\$319,005	\$341,416
Cash Balance as of 3/31/2025	\$362,113			

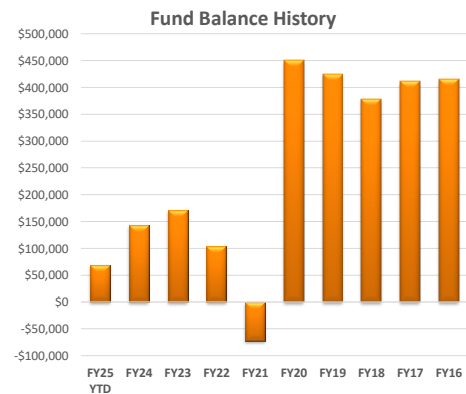


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Parking Fund

	As of 3/31/xxxx			
	Fiscal Year 2025	Fiscal Year 2024	Fiscal Year 2023	Fiscal Year 2022
Revenue - Operating	\$458,543	\$477,844	\$507,970	\$466,518
Revenue - Transfer In (CARES)	\$0	\$0	\$0	\$265,361
Revenue - Transfer In (ARPA)	\$0	\$0	\$52,876	\$0
Revenue Totals	\$458,543	\$477,844	\$560,846	\$466,518
Expenditure Totals	\$532,910	\$476,966	\$455,254	\$388,956
Revenue Over (Under) Expenditures	(\$74,368)	\$878	\$105,592	\$77,562
Beginning Fund Balance, 7/1	\$143,760	\$171,450	\$102,914	(\$72,444)
Net Change	(\$74,368)	\$878	\$105,592	\$77,562
Ending Fund Balance, 3/31	\$69,392	\$172,327	\$208,506	\$5,118
Cash Balance as of 3/31/2025	\$68,794			

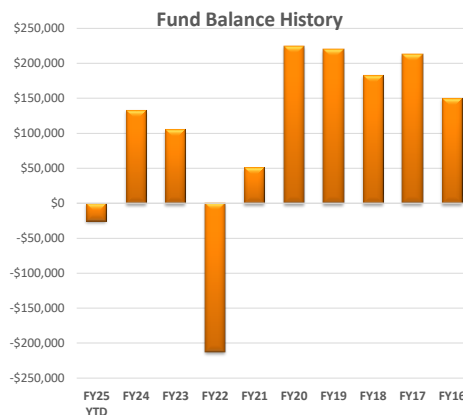


20



Planning & Community Development Fund

	As of 3/31/xxxx			
	Fiscal Year 2025	Fiscal Year 2024	Fiscal Year 2023	Fiscal Year 2022
Revenue - Operating	\$756,548	\$477,282	\$598,413	\$433,384
Revenue - Transfer In (General Fund)	\$282,699	\$282,699	\$282,699	\$203,949
Revenue - Transfer In (CARES)	\$0	\$0	\$223,125	\$0
Revenue Totals	\$1,039,247	\$759,981	\$1,104,237	\$637,333
Expenditure Totals	\$1,198,324	\$937,821	\$938,250	\$931,040
Revenue Over (Under) Expenditures	(\$159,077)	(\$177,840)	\$165,987	(\$293,707)
Beginning Fund Balance, 7/1	\$133,620	\$105,124	(\$212,464)	\$50,813
Net Change	(\$159,077)	(\$177,840)	\$165,987	(\$293,707)
Ending Fund Balance, 3/31	(\$25,457)	(\$72,715)	(\$46,477)	(\$242,894)
Cash Balance as of 3/31/2025	\$61,776			

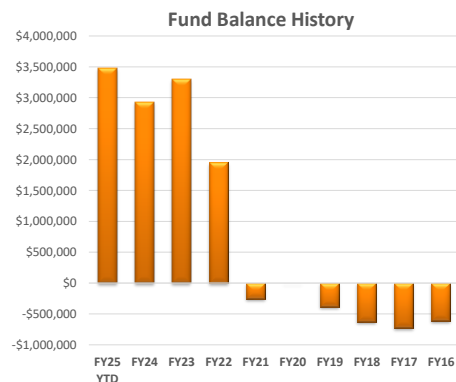


21



Health & Benefits Fund

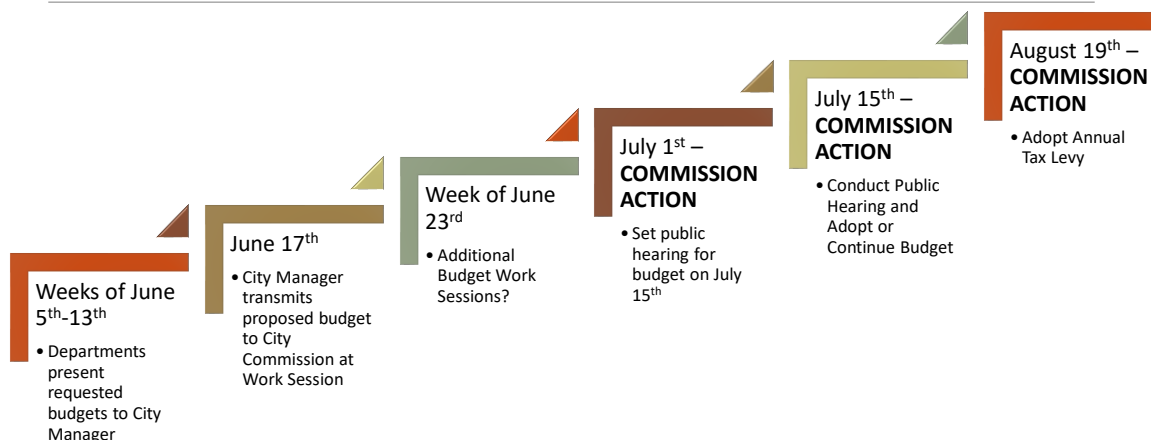
	As of 3/31/xxxx			
	Fiscal Year 2025	Fiscal Year 2024	Fiscal Year 2023	Fiscal Year 2022
Revenue Totals	\$8,947,494	\$7,967,944	\$7,586,879	\$7,345,757
Expense Totals	\$8,405,289	\$7,537,824	\$5,536,071	\$5,406,869
Revenue Over (Under) Expenditures	\$542,205	\$430,120	\$2,050,808	\$1,938,888
Beginning Fund Balance, 7/1	\$2,934,227	\$3,265,995	\$1,917,917	\$1,521,149
Net Change	\$542,205	\$430,120	\$2,050,808	\$1,938,888
Ending Fund Balance, 3/31	\$3,476,432	\$3,696,115	\$3,968,725	\$3,460,037
Cash Balance as of 3/31/2025	\$4,644,520			



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Upcoming Budget Process



City of Great Falls

Fund Balance Sheet as of 3/31/2025

Fund Name	Beginning Balance as of 7/1/2024	Plus: Total YTD Revenues 7/1/2024 to 3/31/2025	Minus: Total YTD Expenses 7/1/2024 to 3/31/2025	Ending Fund Balance, 3/31/2025	Revenue over (under) Expenses YTD
General	\$11,000,824	\$24,837,839	\$30,872,163	\$4,966,501	(\$6,034,324)
COVID Recovery	\$13,083,956	\$253,791	\$5,351,729	\$7,986,018	(\$5,097,938)
Park & Recreation Special Revenue	\$295,373	\$759,559	\$53,144	\$1,001,787	\$706,414
Parkland Trust	\$178,318	\$4,524	\$0	\$182,842	\$4,524
Library	\$1,745,647	\$1,849,840	\$1,898,782	\$1,696,706	(\$48,942)
Library Foundation	\$343,820	\$490,472	\$505,869	\$328,423	(\$15,397)
Planning & Community Dev	\$133,620	\$1,039,247	\$1,198,324	(\$25,457)	(\$159,077)
Central MT Ag Tech TID	\$2,828,867	\$449,987	\$87,461	\$3,191,394	\$362,526
Airport TID	\$309,324	\$139,138	\$27,164	\$421,298	\$111,973
East Industrial Ag Tech Park TID	\$239,642	\$243,892	\$257,031	\$226,503	(\$13,139)
Economic Revolving	\$20,720	\$15,135	\$15,059	\$20,797	\$77
Permits	\$710,905	\$1,061,296	\$1,264,209	\$507,992	(\$202,913)
Natural Resources	\$201,411	\$515,638	\$628,460	\$88,589	(\$112,822)
Portage Meadows	\$161,429	\$44,811	\$15,963	\$190,278	\$28,849
Park Maintenance District	\$3,378,710	\$1,180,654	\$1,326,901	\$3,232,463	(\$146,246)
Street District	\$7,703,248	\$6,069,242	\$5,340,426	\$8,432,065	\$728,816
Support & Innovation	\$92,813	\$547,800	\$549,005	\$91,608	(\$1,205)
Gas Tax BaRSAA	\$1,568,560	\$25,434	\$813,951	\$780,044	(\$788,516)
911 Special Revenue	\$1,371,818	\$533,297	\$491,225	\$1,413,891	\$42,072
Police Special Revenue	\$462,447	\$34,610	\$73,193	\$423,863	(\$38,583)
HIDTA Special Revenue	\$85,722	\$161,747	\$156,520	\$90,949	\$5,227
Fire Special Revenue	\$65,371	\$8,018	\$12,353	\$61,036	(\$4,335)
Federal Block Grant	\$769,397	\$440,058	\$974,746	\$234,709	(\$534,688)
HOME Grant	\$60,719	\$2,355	\$56,163	\$6,911	(\$53,808)
Street Lighting District	\$1,210,602	\$876,631	\$1,042,231	\$1,045,002	(\$165,600)
Soccer Park GO Bond	\$24,699	\$1,555	\$0	\$26,254	\$1,555
West Bank TID Bonds	\$1,722,360	\$590,183	\$1,641,032	\$671,511	(\$1,050,849)
Downtown TID Bonds	\$5,600,504	\$1,142,043	\$725,281	\$6,017,265	\$416,761
Improvement District Revolving	\$44,763	\$1,004	\$1,078	\$44,688	(\$75)
Master Debt SILD	\$58,817	\$1,877	\$4,058	\$56,636	(\$2,181)
General Capital Projects	\$474,264	\$57,116	\$127,498	\$403,882	(\$70,382)
Improvement District Projects	\$6,168	\$157	\$0	\$6,325	\$157
Hazard Removal	\$19,639	\$295	\$9,559	\$10,375	(\$9,264)
Golf Courses (Course Co Financials)	(\$54,253)	\$1,083,104	\$1,199,316	(\$170,465)	(\$116,212)
Water (Unreserved Balance)	\$7,818,730	\$13,817,552	\$12,774,023	\$8,862,259	\$1,043,530
Sewer (Unreserved Balance)	\$11,298,622	\$9,493,986	\$8,147,195	\$12,645,413	\$1,346,791
Storm Drain (Unreserved Balance)	\$9,125,271	\$3,270,327	\$2,054,073	\$10,341,525	\$1,216,255
Sanitation (Unreserved Balance)	\$2,626,918	\$4,404,911	\$4,565,136	\$2,466,693	(\$160,225)
Swimming Pools	\$378,986	\$347,760	\$582,400	\$144,345	(\$234,641)
Aim High Big Sky	\$169,995	\$920,610	\$1,255,766	(\$165,161)	(\$335,156)
911 Dispatch Center	\$2,847,971	\$1,822,644	\$1,836,507	\$2,834,108	(\$13,863)
Parking	\$143,760	\$458,543	\$532,910	\$69,392	(\$74,367)
Recreation	(\$245,629)	\$86,800	\$6,604	(\$165,433)	\$80,196
Multi-Sports	(\$8,674)	\$19,595	\$76,481	(\$65,561)	(\$56,886)
Ice Breaker Run	\$65,917	\$14,280	\$28,697	\$51,499	(\$14,417)
Civic Center Events	\$40,820	\$284,922	\$451,023	(\$125,281)	(\$166,101)
Central Garage	\$3,347,777	\$3,039,506	\$2,352,872	\$4,034,411	\$686,634
Information Tech	\$379,481	\$1,955,948	\$1,537,449	\$797,981	\$418,500
Insurance & Safety	\$363,362	\$2,073,919	\$2,057,040	\$380,240	\$16,879
Health & Benefits	\$2,934,227	\$8,947,494	\$8,405,289	\$3,476,432	\$542,205
Human Resources	\$13,977	\$940,384	\$853,345	\$101,016	\$87,038
City Telephone	\$86,652	\$155,531	\$54,356	\$187,827	\$101,175
Finance	\$481,786	\$1,673,686	\$1,689,853	\$465,618	(\$16,167)
Engineering	\$592,781	\$1,877,445	\$1,788,390	\$681,836	\$89,055
Public Works Admin	\$433,900	\$621,693	\$618,639	\$436,954	\$3,054
Civic Center Facility Service	\$359,362	\$559,498	\$492,316	\$426,545	\$67,182