Water and Sewer Board

Regular Meeting
City Council Chambers – City Center South
1001 11th Avenue – Greeley, Colorado
July 19, 2023 at 2:00 p.m.



Regular meetings of the Water and Sewer Board are held **in person** on the 3rd Wednesday of each month in the City Council Chambers, 1001 11th Avenue, Greeley, Colorado.



Members of the public may attend and provide comment during public hearings.



Written comments may be submitted by US mail or dropped off at the Water and Sewer office located at 1001 11th Avenue, 2nd Floor, Greeley, CO 80631 or emailed to wsadmin@greeleygov.com. All written comments must be received by 10:00 a.m. on the date of the meeting.



Meeting agendas and minutes are available on the City's meeting portal at Greeley-co.municodemeetings.com/

IMPORTANT - PLEASE NOTE

This meeting is scheduled as an **in-person session only**. If COVID, weather, or other conditions beyond the control of the City dictate, the meeting will be conducted virtually and notice will be posted on the City's MuniCode meeting portal by 10:00 a.m. on the date of the meeting (https://greeley-co.municodemeetings.com/).

In the event it becomes necessary for a meeting to be held virtually, use the link below to join the meeting. Virtual meetings are also livestreamed on YouTube at https://www.youtube.com/CityofGreeley.

For more information about this meeting or to request reasonable accommodations, contact the administrative team at 970-350-9801 or by email at $\underline{wsadmin@greeleygov.com}$



July 19, 2023 at 2:00 PM 1001 11th Avenue, City Center South, Greeley, CO 80631

Agenda

1.	Roll Call: Chairman Harold Evans Vice Chairman Mick Todd
	Ms. Cheri Witt-Brown Mr. Fred Otis
	Mr. Joe Murphy Mr. Tony Miller
	Mr. Manuel Sisneros Mayor John Gates
	Mr. Raymond Lee Ms. Tammy Hitchens
2.	Approval of Minutes
3.	Approval of the Agenda
4.	Welcome New Employees and Promotions
5.	Approve and Recommend to City Manager 2024 Budget
6.	60" Bellvue Pipeline Construction Update
7.	Asset Management & City Works Update
8.	Legal Report
9.	Director's Report
10.	Such Other Business That May Be Brought Before the Board Added to This Agenda by Motion of the Board.
11.	Adjournment



If, to effectively and fully participate in this meeting, you require an auxiliary aid or other assistance related to a disability, please contact the Water and Sewer Department administrative staff at 970-350-9801 or wsadmin@greeleygov.com

City of Greeley Water and Sewer Board Minutes of June 21, 2023 Regular Board Meeting

Chairman Harold Evans called the Water and Sewer Board meeting to order at 1:59 p.m. on Wednesday, June 21, 2023.

1. Roll Call

The Clerk called roll and those present included:

Board Members:

Chairman Harold Evans, Vice Chairman Mick Todd, Fred Otis, Tony Miller, Joseph Murphy, Manuel Sisneros, Deputy City Manager Donald Tripp on behalf of City Manager Raymond Lee, Fiscal Manager – Capital Planning and Debt Diana Frick

Water and Sewer Department staff:

Director Sean Chambers, Deputy Director Water Resources Ty Bereskie, Deputy Director of Utility Finance and Customer Service Erik Dial, Office Manager Gigi Allen, Administrative Assistant III Crystal Sanchez, Water Resource Planning Manager Kelen Dowdy, Water Conservation Manager Dena Egenhoff, Rates and Budget Analyst Virgil Pierce, Water Resource Administrator III Sam Harshbarger, Water Resource Administrator III Matt Sparacino, Water Resource Administrator II Alex Tennant, Water Resource Administrator I Megan Kramer, Water Resource Operations Manager Leah Hubbard, Source Water Supply Manager Cole Gustafson, Civil Engineer IV Water & Sewer Jim Paulson, Legal Intern II Zach Weinburg

Legal Counsel:

Senior Environmental and Water Resources Attorney Jerrae Swanson, Environmental and Water Resources Attorney II Dan Biwer, Environmental and Water Resources Attorney I Arthur Sayre, Counsel to Water & Sewer Board Attorney Carolyn Burr.

Guests:

Emeritus Robert Ruyle, Council Member Deb DeBoutez, James Sutherland from Wingfoot

2. Approval of Minutes

Mr. Murphy made a motion, seconded by Mr. Miller to approve the May 17, 2023 Water and Sewer Board meeting minutes. The motion carried 6-0.

3. Approval of Agenda

There were no changes to the Agenda.

4. Welcome New Employees and Promotions

Director, Sean Chambers provided an introduction of new Water and Sewer Department employees starting this month.

5. Terry Ranch Project

Matt Sparacino and Jim Paulson presented an update on the Terry Ranch Project. The first part of the update included a brief presentation on the State Land Board well drilling program on the ranch. The second part was a review of the scope, progress, and budget updates on the pipeline construction phase.

The Board asked if we have had to use Eminent Domain at this point. We always start with the Eminent Domain process but have not gone to condemnation on any property yet. We have received a Permission to Enter Agreement in some areas already while we finalize the terms of the Easements.

6. Approve and Recommend to City Council Goza Water Trade Agreement

Cole Gustafson presented on the Water Rights Trade Agreement with Calvin Goza. The Trade Agreement contemplates the City of Greeley conveying three shares of stock in the Delta Irrigation Company ("Patterson Ditch") to Goza in exchange for four and one-half shares of stock in the Cache La Poudre Reservoir Company ("CPRC") and three shares of stock in the New Cache la Poudre Irrigation Company ("NCPIC"). Dry-up covenants are not included for any of the water rights in this trade. Staff recommends the trade, among other reasons, because 1) acquiring the CPRC & NCPIC below market value; 2) New Cache can be used in Greeley's non-pot system; 3) There is no ongoing future need for the Patterson Ditch shares.

Vice Chairman Todd moved that the Board make a finding that the Patterson Ditch water rights are not currently being used nor held for a governmental purpose, authorize the propose divestment of the water rights, approve the Water Rights Trade Agreement with Calvin Goza and its exhibits, delegate authority to the Director of Water and Sewer or his designee (i) to make minor amendments to the documents, including, but not limited to, contract extensions, and (ii) to undertake all necessary and appropriate action to close on the trade, and recommend that City Council authorize the divestment. Mr. Sisneros seconded the motion. The motion carried 6-0.

7. Legal Report

Having reviewed the April 2023 Water Division 1 Resume, staff and water counsel did not recommend that the Water and Sewer Board file statements of opposition to any water court matters that would be due at the end of June, 2023.

Carolyn gave the Board members a brief update on a week-long trial that took place the week of June 5th. Greeley, together with several other parties, are opposers in a case where the applicants are seeking to change about 7% of the Fort Morgan Reservoir and Irrigation Company. FMRIC has an 1882 direct flow right and owns the majority of shares in Jackson Lake, which is a senior storage right. The issue in the case is whether or not the applicants had selected an appropriate study period to quantify the historic consumptive use of those shares. This is the first change of shares under the system therefore the methodology that is used in this case will set precedent for future change cases in the system. Several experts testified in the case and felt that the study period used by the applicants, a 25-year period (1985-2010) didn't capture the full scope of operations over the historic period of the water rights and that it overstated how much consumptive use they could get out of their shares. The long-term concern is that the overstated consumptive use would be repeated in future cases, possibly to the detriment of the river system of almost 3,000 acre foot a year. The parties to the case are in the process of preparing closing briefs to the court. A decision by the court is not expected for several months.

8. Director's Report

Sean Chambers provided the Water and Sewer Board a brief update on the following items of water utilities policy interest:

- 1. City of Greeley and Water Industry Events
 - a. Johnson Subdivision Sewer Project Update Open House Project Meeting
 - i. July 6th at 6:00 pm in Council Chambers
 - b. Summer Board & Council Tour July 28, 2023
 - i. Chimney Hollow Res. Construction, Boyd Lake WTP, Terry Ranch Pipeline Construction, 23rd Ave. Reservoirs and Wastewater Treatment Facility
 - c. Tour of Greeley's Bob Creek Diversion from Upper Laramie into Poudre TBD
 - d. Citizen Bus Tour Aug. 11th 8:30 am 12:30 pm
 - e. Water Congress Conference August 22 24, 2023;
 - i. Water policy and law education
 - ii. Meeting of the Interim Water Resources Review Committee
 - iii. Meetings with Sen. Bennet's Farm Bill policy and forest health staff
 - f. Broadcast of CWCB Drought Summit (5/31-6/1) at:
 - i. https://engagecwcb.org/drought-summit

- 2. Colorado River supply and demand imbalance and shortage negotiations update:
 - a. https://cwcb.colorado.gov/news-articles/colorado-collaborates-with-colorado-river-basin-states-to-analyze-potential-solutions
- 3. Technology enablement for W&S Board Mtgs.
 - a. Future Board packets delivered through CivicClerk software,
 - i. City is transitioning to CivicClerk and training available from W&S Staff.
 - b. Appreciate staff and Board effort to make the live stream YouTube meetings a success with the timely starting of meetings, microphones usage, and meeting management.
- 9. Such Other Business That May Be Brought Before the Board Added to This Agenda by Motion of the Board

No other business was brought before the Board.

Chairman Evans adjourned the meeting at 3:04 pm.

10.	Adjournment
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	Harold Evans, Chairman
Raymond Lee, Board Secretary	<u> </u>



Water & Sewer Agenda Summary

Date: July 19, 2023

Key Staff Contact: Water and Sewer Director, Sean Chambers

Title: Welcome New Employees and Promotions

Summary:

New Hires: Evan Sky – Laborer - Seasonal

Mya Hamada – Customer Service Representative

Craig Walter – Equipment Operator II – Hydrant Program

Marco Castillo - Maintenance Technician I

Promotions: None

Recommended Action: N/A

Attachments: N/A



Water & Sewer Agenda Summary

Date: July 19, 2023

Key Staff Contact: Virgil Pierce, Rates and Budget Analyst

Erik Dial, Deputy Director of Utility Finance and Customer Service

Title:

Approve and Recommend to the City Manager the Water and Sewer 2023 Operating Budget and 10-Year Capital Improvement Plan

Summary:

Staff prepared the 2024 operating budget and the ten-year capital program for review by the Water and Sewer Board. The operating and capital budgets were prepared with an eye to the future, incorporating capital improvements from master plans, building the operational teams to meet the needs of a growing City, and meeting the high level of service expected when providing water and sanitary sewer services. The enclosed capital budgets meet the regulatory, rehabilitation, and long-range growth needs of the City's water and sewer services while being mindful of the rates that Greeley's citizens pay.

On average, residential water bills will increase approximately \$2.20/month and residential sewer bills will increase approximately \$3.22/month for a total water and sewer bill increase of \$5.42/month. The water PIF for a 3/4" tap will remain \$12,100 and the sewer PIF will increase by \$300 to \$7,200.

Recommended Action:

Approve and recommend to the City Manager the Water and Sewer 2024 Operating Budget and 10-Year Capital Investment Plan.

Recommended Motion:

"I recommend that the Water and Sewer Board approve and recommend to the City Manager the Water and Sewer 2024 Operating Budget and 10-Year Capital Investment Plan."

Attachments:

- 1. Presentation slides
- 2. Water and sewer pro formas
- 3. 10-Year CIP
- 4. Existing and Future Debt Summary

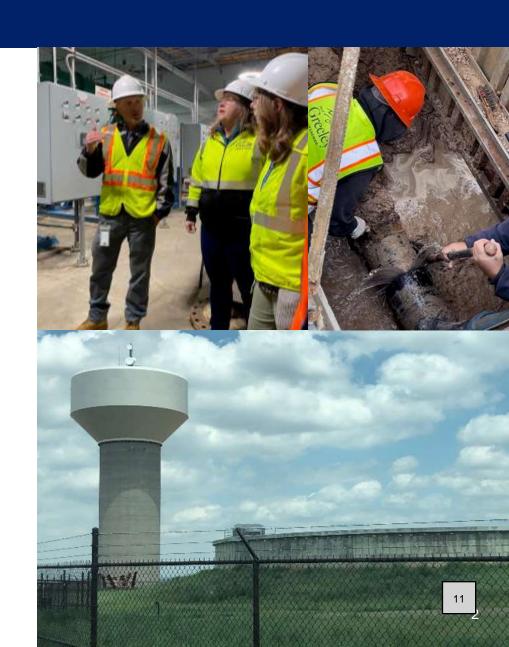
- 5. Capital Budget Detail
- 6. Operating Budget Detail

Water and Sewer 2024 Proposed Budget



2024 Budget - Focus Areas

- Daily Operations, Water Quality, and Maintenance
- Regulatory Compliance and Public Health
- Customer Experience
- Effective Master Planning, Asset Management, and Protection of Existing Infrastructure
 - Addressing System Risks and Resiliency
- Capital Investments to Refurbish Existing Facilities and Extend Infrastructure for Growth Areas



Utility Finance and 2024 Budget

What we do:

- Operations Managers and Capital Project Managers submit draft budgets
- Annual Rate Modeling and 10-Year Cash Flow:
 - Deputy Director of Utility Finance and Customer Service
 - Rates and Budget Analyst
 - Outside Consultant
 - City of Greeley Finance Department
- Needed Increases identified are reviewed in the context of the predicted impact on rates.

2024 Budget - Operations

Large system footprint and complexity for a city the size of Greeley

- Staffing investments
 - Better system maintenance
 - Expand in-house construction ability to earn future ROI
 - SCADA Automation & Compliance
 - Operational staff for system growth
- System protection infrastructure and water rights
- Optimize water system for...
 - Operational effectiveness
 - Water age and quality
 - Water rights maximization
 - Pumping and energy efficiency



2024 Budget – Customer Service

- Utility Billing and metering investments
 - Staffing
 - New Utility Billing Customer Information System (CIS)
 - Current system is 30 years old
 - AMI Metering accuracy and transparency
- Communication
 - Key account program
 - Annual Communication Plan and Coordination with C&E Dept.
- Customer ability to pay and collections issues
 - Assistance program
 - AMI, leak detection, and conservation
 - Rates





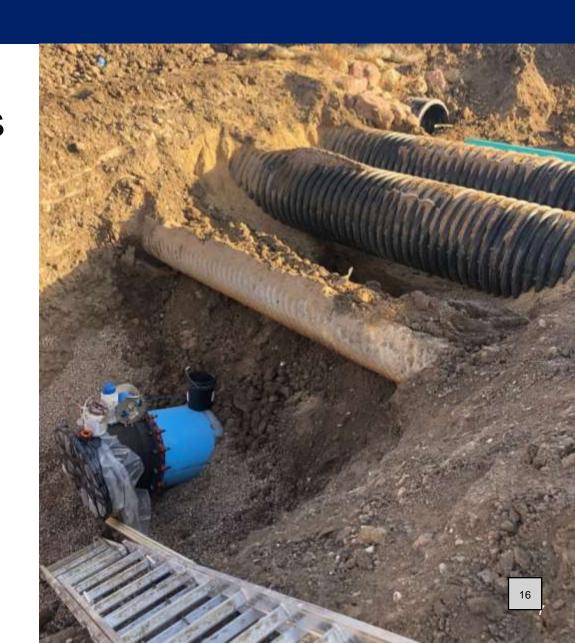
2024 Budget - Regulatory Compliance

- Reg. 85 Wastewater treatment nutrient removal and capacity investments
- Water quality
 - Lead and Copper Rule Revision
 - Lead Identification and Replacement
 - Cross connection control & backflow
 - Industrial pretreatment
 - Source water protection and fire recovery
- Water rights defense
 - State Engineer's Office decree accounting
 - Water Court protection of city rights



2024 Budget - Capital

- Replacement/Rehabilitation needs
 - Asset management
 - Master Plans
- Strategic expansion
- Water rights
- Planning and adaptive management



2024 Budget Proposals



2024 Operating Budget Increases

- The 2024 Base Budget proposed by Finance included inflationary increases for most accounts of between 3% and 10%.
- Water and Sewer staff identified needed increases beyond the 2024 Base Budget:
 - \$6.0M for Water and 16 new positions
 - \$1.1M for Sewer and 3 new positions
- Proposed Increases for the 2024 Operating Budget:
 - \$3.97M for Water including 11 new positions
 - \$630K for Sewer including 1 new position



2024 Budget Increases by Focus Areas

	Water \$ Increase	Sewer \$ Increases
Regulatory Compliance	\$ 1,283,125	\$ 219,764
Daily Operations	\$ 761,154	\$ 237,642
Protecting Infrastructure and Supporting the Capital Program	\$ 1,451,896	\$ 172,768
Customer Service	\$ 451,663	
Total	\$ 3,967,838	\$ 630,174













Water and Sewer Budget Increases

Request Title	FTE	Water Ongoing	Water One- Time	Sewer Ongoing	Sewer One- Time
Water and Sewer Priority Requests		\$953,499	\$60,000	\$327,406	\$30,000
Water & Sewer Contingency Request		\$300,000		\$100,000	
Water Distribution Construction Crew	4.0	\$364,225	\$585,975		
Wastewater Collections Crew Supervisor I	1.0			\$111,768	\$61,000
Meter Technician*	1.0	\$31,548	\$62,600		
Backflow Protection Technician	1.0	\$96,211	\$46,000		
Additional Outside Financial Consultation		\$50,000			
Water Resources Planning Consultation		\$95,000			
Water Instrument Technician Request	1.0	\$125,178	\$57,000		
Customer Affordability Program		\$150,000			
New Water Department Internships		\$59,786	\$4,600		

^{*} Partially offset by using existing seasonal salary

Water and Sewer Budget Increases

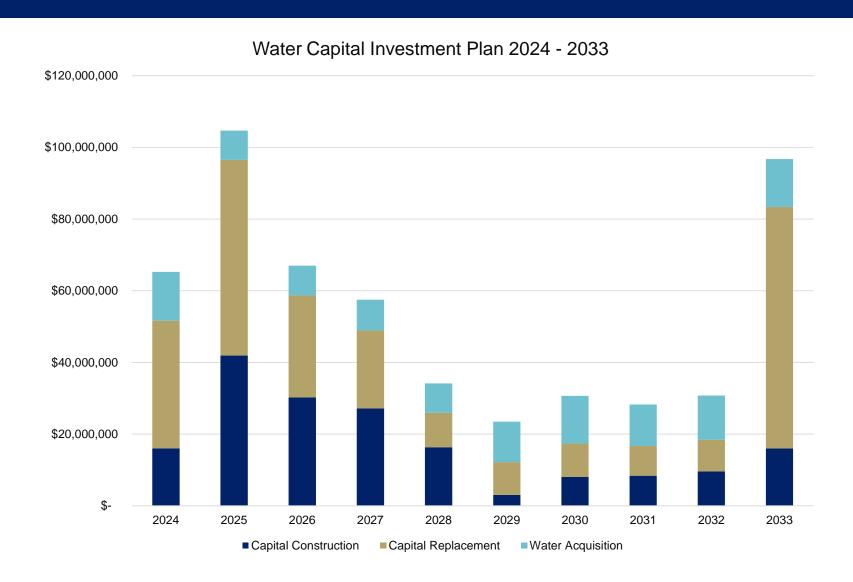
Request Title	FTE	Water Ongoing	Water One-time	Sewer Ongoing	Sewer One-time
Water Operations Administrative Assistant II	1.0	\$73,692	\$2,500		
Water Resources Administrator 3 Truck		\$4,000	\$49,000		
Water Enterprise Financial Analyst	1.0	\$93,245	\$300		
Water Department Engagement and Consulting Support		\$157,515			
Non-Potable Seasonal Employee Vehicle		\$1,500	\$50,000		
Water & Sewer Data Mapping and Strategic Master Planning		\$25,000	\$25,000		
Water and Sewer Professional Development		\$50,000			
Asset Management Civil Engineer I-II	1.0	\$147,326	\$43,000		
Water Quality Technician (2 Year)		\$4,400	\$199,738*		

^{*} The Water Quality Technician Request is budgeting the full 2-Year contract as a One-Time 2024 Expense.

2024 Capital Program



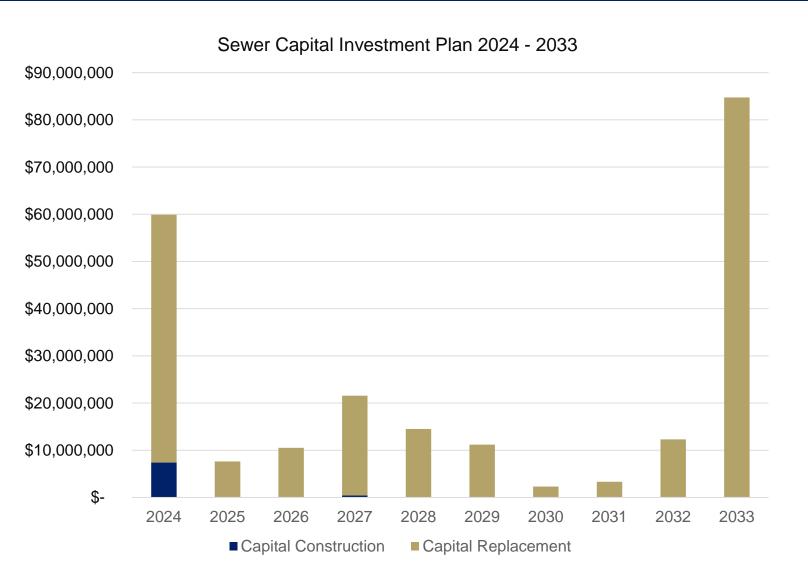
2024 – 2033 Capital Investment Plan



The major driver for rate increases needed for Water and Sewer is the Capital Investments planned for the next 10 years.

- Capital Construction is funded through Plant Investment Fees and Bonds.
- Capital Replacement is funded through Depreciation and Bonds.
- Water Acquisition is funded through Augmentation Sales and Bonds.

2024 - 2033 Capital Investment Plan



The major driver for rate increases needed for Water and Sewer is the Capital Investments planned for the next 10 years.

- Capital Construction is funded through Plant Investment Fees and Bonds.
- Capital Replacement is funded through Depreciation and Bonds.
- The large expense in 2033 is the WTRF Regulatory 31 Improvements project.

2024 Water New Construction

2024 Project List	2024 Budget
Supply	
Terry Ranch Water Development	635,000
Non-Potable Expansion Projects	2,092,000
Poudre Ponds – Pond C	30,000
Ogilvy and Lone Tree Bypass	968,000
Greeley West Non-Potable Pump Station	3,036,000
Treatment	
Bellvue 2MG Clearwell	757,500
Transmission & Distribution	
Distribution Line Extension	161,280
Water Taps	75,000
New Construction Meters	45,000
Non-Potable Waterline (planning)	10,000
O St. Waterline Extension (23 rd -25 th)	812,820
Bellvue Pipeline Gold Hill Segment	5,488,000
Bulk Water Stations	375,000
Total	\$14,485,600

2024 Water Capital Replacement

2024 Project List	2024 Budget
Supply	
Milton Seaman Outlet Works	54,000
Non-Potable Replacement	504,100
Risk & Resiliency Projects	802,500
Ancillary Projects	50,000
Suburban Ditch Non-Potable Line Replacement	420,000
SCADA – High Mountain Reservoirs	131,200
North Boomerang Non-Potable Pump Station Replacement	300,000
Non-Potable Pump Station Replacements	2,504,850
Treatment	
Bellvue General Rehabilitation	625,000
Boyd General Rehabilitation	525,000
Water Treatment Plants Master Plan	790,000
Bellvue Flocculator/Sedimentation Building Rehabilitation	300,000
Bellvue Switchgear Replacement	250,000
Transmission & Distribution	
Transmission System Rehabilitation	1,046,000
SCADA Master Plan	150,000
Distribution Pipeline Replacements	2,400,000
Continued next slide	26

2024 Water Capital Replacement

2024 Project List	2024 Budget
Advanced Metering Infrastructure	785,000
Treated Water Reservoir Rehabilitation	574,500
Water Capital Outlay Replacement	912,207
Utility Billing Replacement – Water	5,250,000
Instrumentation & Controls – Water	196,000
Meter Replacement	100,000
Valve Replacement	176,400
Fire Hydrant Replacement	215,000
W&S Facilities Program	775,000
Transmission Customer Re-Route	250,000
23 rd Ave Reservoir Replacement	3,510,000
Mosier Reservoir Rehabilitation and Optimization	675,000
9 th & 10 th St Waterline Replacement	150,000
Island Grove Waterline Replacement	150,000
Transmission System Corrosion Protection	582,300
Zone 4 Electrical Upgrade	305,000
Transmission Line Replacement – Schneider Farm	1,681,200
Transmission Line Replacement – Cache Segment	380,000
Lead Service Line Replacement	8,116,800
Total	\$35,620,057

2024 Water Rights Acquisition

2024 Project List	2024 Budget
Future Water Rights Acquisition	6,500,000
Life After Lawn	182,000
Non-Tributary Groundwater SLB Change Case	4,900,000
Poudre Ponds Parcel B	101,000
Water Supply & Storage Change Case	100,000
Water Resources Database Build	136,800
NISP Response and Management	500,000
Big Thompson Source Water Assessment & Protection Plan	160,000
Retiming Storage Investigation	250,000
Interruptible Supply/Alternative Transfer Method	775,000
Overland Trail Gravel Pits	35,000
Total	\$13,639,800

2024 Sewer New Construction

2024 Project List	2024 Budget
Collection	
Sanitary Sewer Manholes & Taps	79,000
North Greeley Sewer Phase IIA	7,117,500
Collection Line Extension	340,000
Treatment	
None	
Total	\$7,536,500

2024 Sewer Capital Replacement

2024 Project List	2024 Budget
Collection	
Trenchless Main and Collector Rehabilitation	580,000
Sewer Collection System Rehabilitation	660,000
Wastewater Flow Monitoring Program	85,000
8 th Ave Sewer Storm Manhole Conflict	140,000
Highland Hills Bittersweet Sewer Capacity	265,000
Highland Hills 35th Ave Sewer Capacity	255,000
Lift Station 15 (Hope Springs) Replacement	929,500
Treatment	
General Rehabilitation Projects	506,000
Instrumentation & Controls – Wastewater	217,800
WTRF Stream Temperature Assessment	55,000
WTRF Primary Treatment Phase II	43,201,650
WTRF Additional Cake Hopper	2,642,140
Studies & Other	
Utility Billing Replacement - Sewer	2,000,000
Sewer Capital Outlay Replacement	974,670
Total	\$52,511,760

Paying for 2024 - 2033



Bonding

- As proposed, the 2024-2033 Water CIP will require \$242M in Bonds
- Forecasted interest rates for W&S are 4% for 20-year revenue bonds
- Debt Service at the end of the 10-Year Period is forecasted to be \$20.3M per year
 - \$15.8M in 2024 (Windy Gap debt service is classified as an operating expense)

- The 2024-2033 Sewer CIP will require \$149M in Bonds
- Debt Service at the end of the 10-Year Period is forecasted to be \$11.0M per year
 - \$5.0M in 2024

WIFIA Funding

The City of Greeley has been invited to apply for a subsidized loan from the US-EPA Water Infrastructure Finance and Innovation Act (WIFIA).

Requirements of Funding:

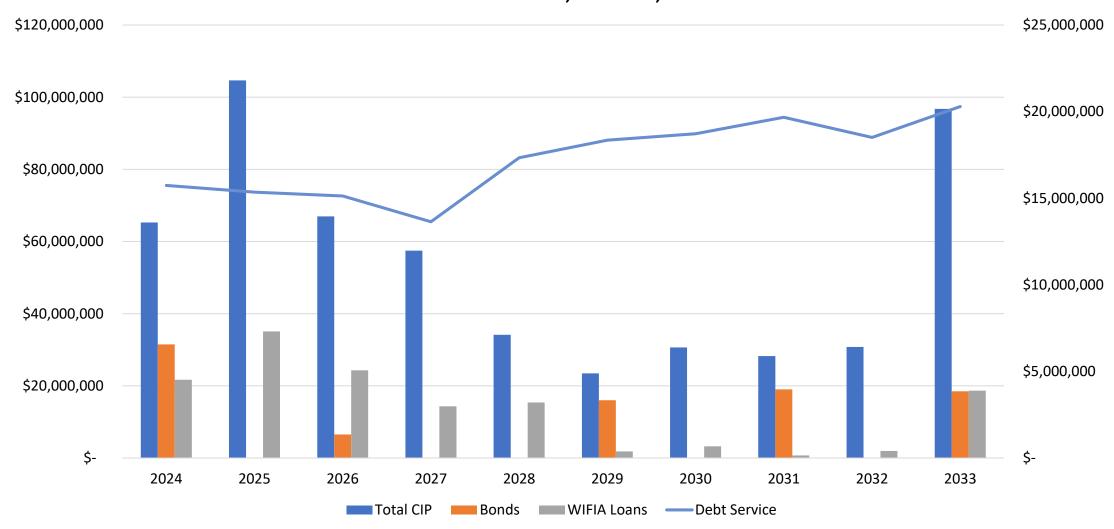
- Distinct Projects
- American Iron and Steel and Buy America-Build America
- Davis Bacon Prevailing Wages

Loans are for 49% of eligible projects over two 5-year periods, below market interest rates, 35-year terms, and have deferred payments for their first five years.



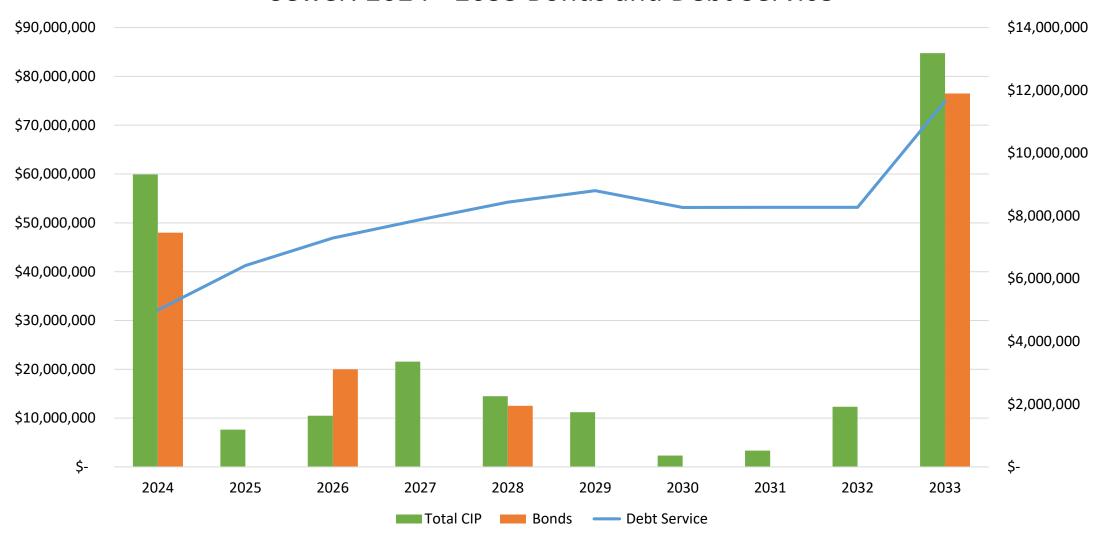
2024-2033 Capital Investment Funding Plan





2024-2033 Capital Investment Funding Plan



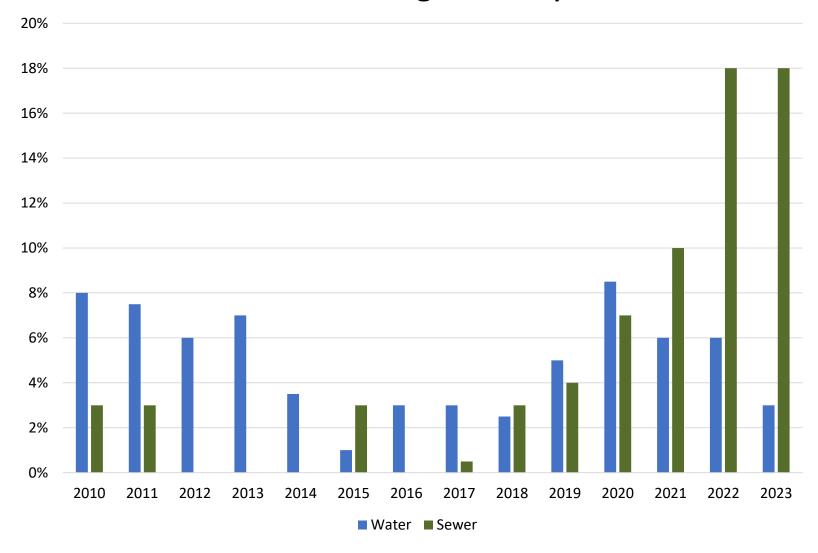


Financial Data and Projected Rate Changes

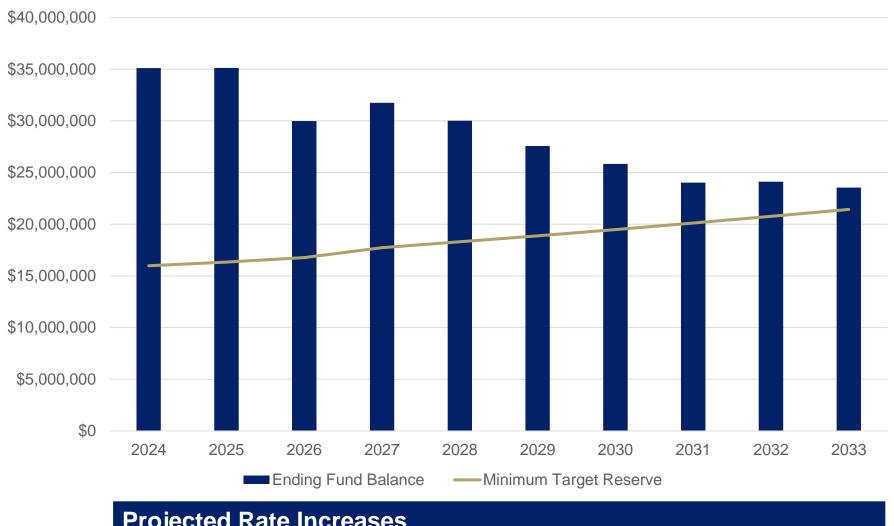


Recent Rate Change History

Rate Change History

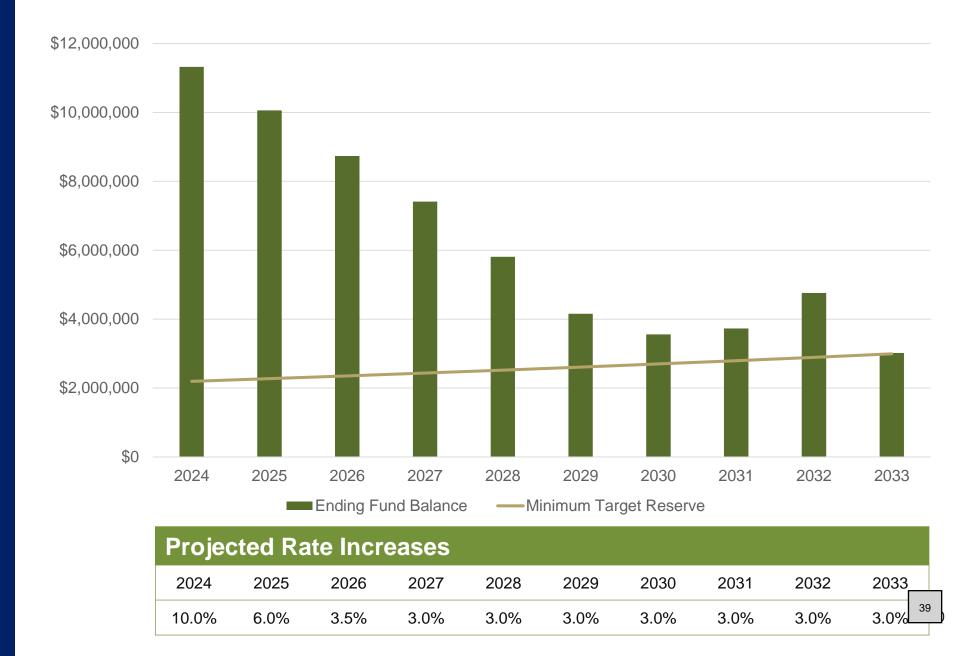


Projected Water Operating Cash Flow



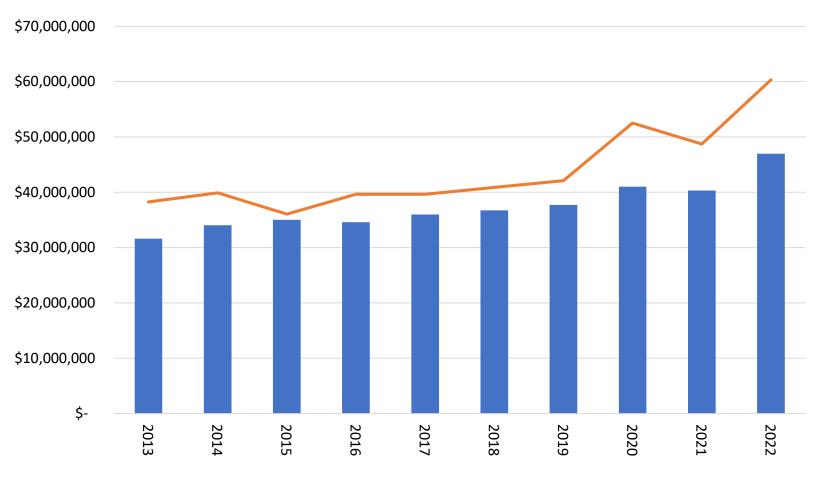


Projected Sewer Operating Cash Flow



Water Operations Revenue and Expenditures



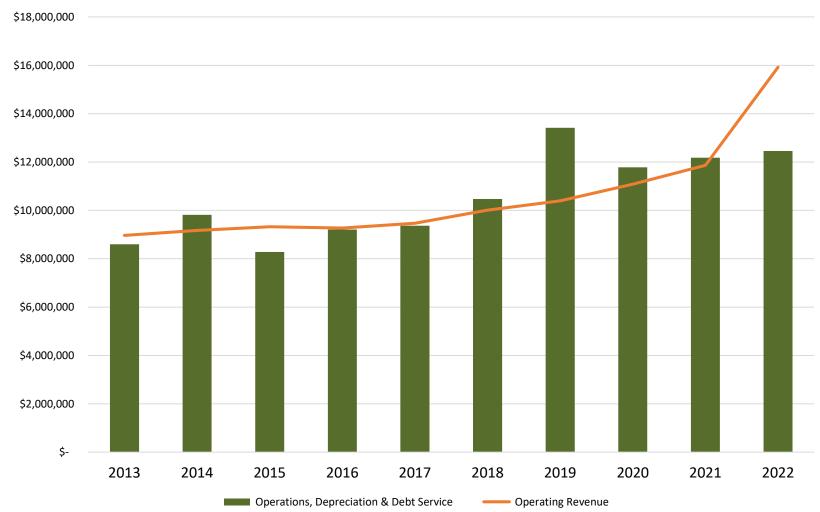


Forecasted for 2023 – 2033:

- Near-term customer growth estimated from building permits.
- Customer growth in Multifamily housing is forecasted to be stronger than Single Family.
- Conservative revenue forecasts because of weather variability.

Sewer Operations Revenues and Expenditures





Forecasted for 2023 – 2033:

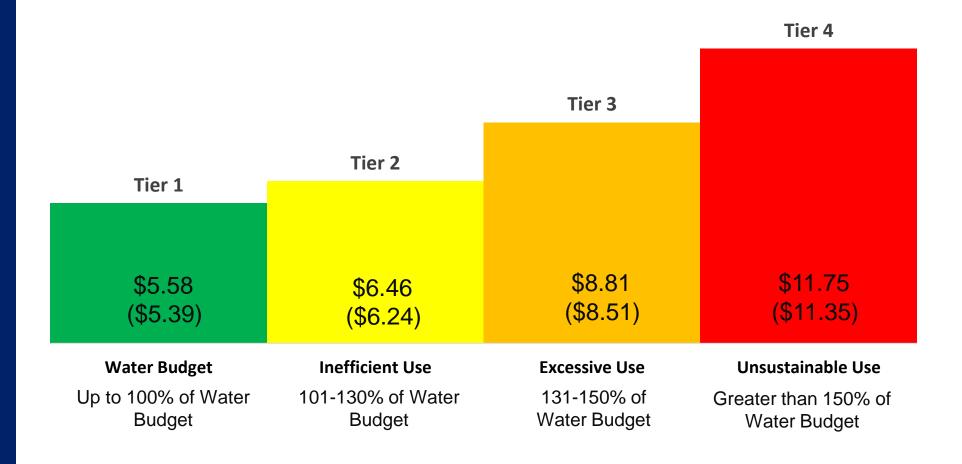
- Near-term customer growth estimated from building permits.
- Customer growth in Multifamily housing is forecasted to be stronger than Single Family.

Customer Bill Impacts



Rate Structure for Greeley SFR customers in 2024 (2023 Rate)

TENTATIVE: 2024 Residential Water Rates



- Monthly Service Charge \$17.75 from \$17.50
- Uniform Residential Volumetric Rate \$5.84 from \$5.64

TENTATIVE 2024 Water Rate Changes

Customer Class	Existing Rate / kgal	% Increase	Proposed Rate / kgal
Inside Residential	\$ 5.64	3%	\$ 5.84
Inside Commercial	\$ 5.60	1%	\$ 5.66
Inside Industrial	\$ 4.52	5%	\$ 4.75
Outside Residential	\$ 11.62	0%	\$ 11.59
Outside Commercial	\$ 11.54	0%	\$11.52
Outside Industrial	\$ 3.98	3%	\$ 4.10
City of Evans	\$ 4.96	8%	\$ 5.36
Town of Windsor	\$ 5.31	5%	\$ 5.58
Town of Milliken	\$ 6.05	5%	\$ 6.36

TENTATIVE 2024 Sewer Rate Changes – Inside City

Customer Class	Existing Rate / kgal	% Increase	Proposed Rate / kgal
Single Family	\$ 4.03	9%	\$ 4.46
Multi-Family	\$ 4.08	9%	\$ 4.46
Commercial 1	\$ 4.10	8%	\$ 4.43
Commercial 2	\$ 5.72	10%	\$ 6.31
Commercial 3	\$ 7.33	11%	\$ 8.15
Commercial 4	\$ 8.95	11%	\$ 9.95
Commercial 5	\$ 10.58	11%	\$ 11.76

TENTATIVE 2024 Sewer Rate Changes – Industrial

Customer Class	Existing Rate / kgal	% Increase	Proposed Rate / kgal
Industrial SIC 2013	\$ 22.34	36%	\$ 30.39
Industrial SIC 7218	\$ 10.54	49%	\$ 15.72
Industrial SIC 2873	\$ 47.90	23%	\$ 59.01
Industrial SIC 4212	\$ 3.40	- 1%	\$ 3.34
Industrial SIC 2034	\$ 7.44	30%	\$ 9.68
Industrial SIC 2047	\$ 19.38	73%	\$ 33.54
Industrial SIC 5169	\$ 3.88	73%	\$ 6.78
Industrial SIC 7542	\$ 8.16	13%	\$ 9.23

TENTATIVE 2024 Sewer Rate Changes – Outside City

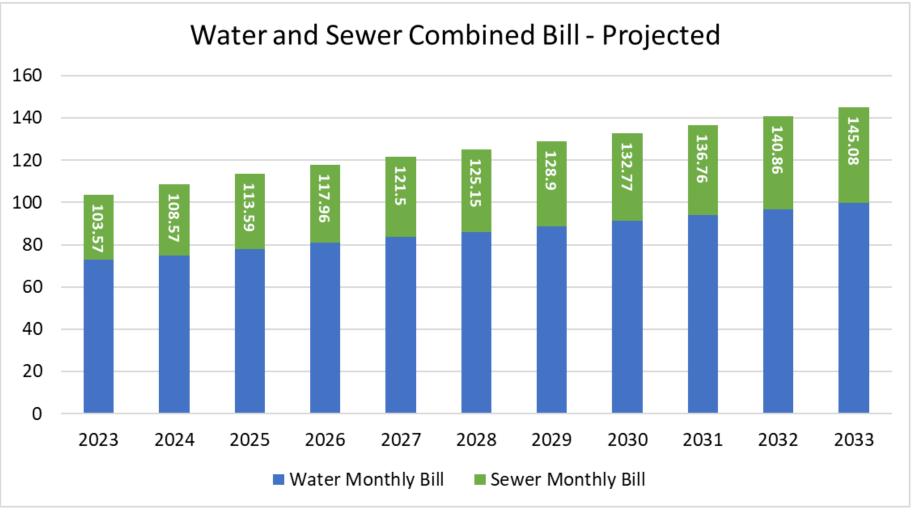
Customer Class	Existing Rate / kgal	% Increase	Proposed Rate / kgal
Single Family (outside)	\$ 6.13	8%	\$ 6.64
Multi-Family (outside)	\$ 5.32	8%	\$ 5.75
Commercial 1 (outside)	\$ 5.62	8%	\$ 6.08
Commercial 2 (outside)	\$ 7.45	10%	\$ 8.23
Commercial 3 (outside)	\$ 9.36	10%	\$ 10.32
Commercial 4 (outside)	\$ 11.23	12%	\$ 12.59
Commercial 5 (outside)	\$ 12.70	12%	\$ 14.22

TENTATIVE: 2024 Single Family Residential Bill Impacts

Impact of rate increases for a typical single family residential customer:

Average Monthly Bill	2023	2024	Change	Percent Change
Water	\$ 72.76	\$ 74.97	+\$ 2.21	3.0%
Sewer	\$ 30.81	\$ 33.61	+\$ 2.80	10.0%
Total W&S	\$103.57	\$108.57	+\$ 5.01	4.8%

TENTATIVE: 2024-2033 Residential Bill Impacts

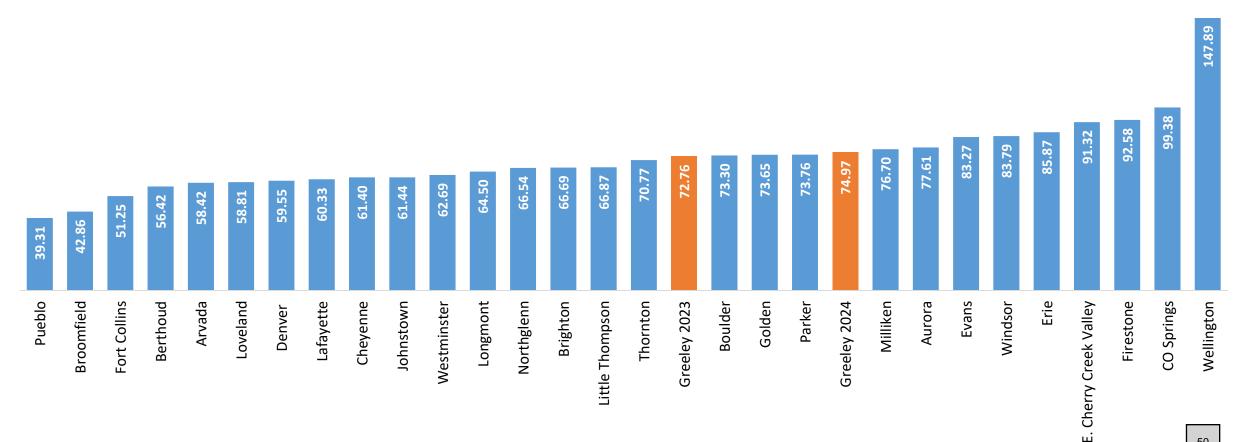


For this customer: the average effective annual increase of their total bill over 2024-2033 is projected to be 4%.

Bill Comparisons

Single Family Monthly Water Bill Comparison

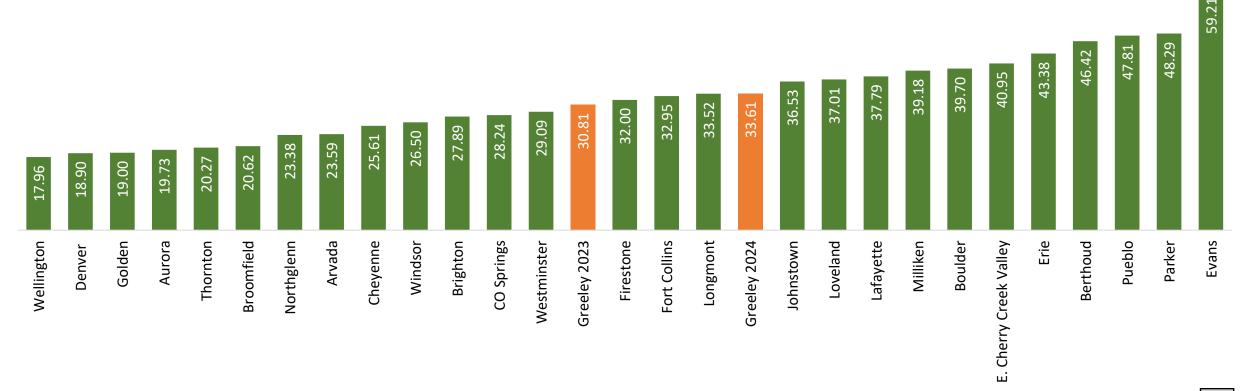
Assumes water use of 10,000 gallons per month



Bill Comparisons

Single Family Monthly Sewer Bill Comparison

Assumes 3,500 gallons average winter consumption.





Questions?

Water Pro Forma 2024

ine No.		Total for 2024	Operating	Construction	Replacement	Acquisition
	Operating Revenue:					
1	User Charges	52,130,871	52,130,871			
	Non-Potable	3,750,000	3,750,000			
	Plant Investment Fees	6,632,482	-,,	6,632,482		
4		721,000	721,000	-,,		
	Raw Water Surcharge	500,000	, 0 0 0			500.000
6	S .	350,000				350,000
	Augmentation Sales	1,250,000				1,250,000
8	•	390,000		390,000		1,200,000
9	Total Operating Revenue	65,724,353	56,601,871	7,022,482	-	2,100,000
	Operating Expenses:					
10	O&M	28,721,313	28,543,825	177,488		
11	Windy Gap Assessments	3,870,365	3,870,365	•		
12	Total Operating Expenses	32,591,678	32,414,190	177,488	-	-
13	Operating Income	33,132,675	24,187,681	6,844,994	_	2,100,000
		, . ,	, - ,	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		,,
	Non-Operating Revenue:					
	Miscellaneous	1,273,700	1,273,700			
	Terry Ranch Contributions	8,125,350		8,125,350		
	Investment Income	3,307,106	1,243,214	698,709	429,672	935,51
17	Sewer Fund for Services & Meters	93,686	93,686			
18	Transfers to Water for Utility Billing	348,225	348,225			
19	Sale of Assets	-				
20	Bond/Loans	54,190,357		5,472,477	45,308,558	3,409,322
21	Total Non-Operating Revenue	67,338,424	2,958,825	14,296,536	45,738,230	4,344,833
	Non-Operating Expenses:					
	Water Acquisition	13,639,800				13,639,800
23	Capital	51,620,657		16,000,600	35,620,057	
24	Debt Service	15,816,099	15,816,099			
25	General Fund for General Administration	3,513,064	3,513,064			
26	Total Non-Operating Expenses	84,589,620	19,329,163	16,000,600	35,620,057	13,639,800
	Interfund Revenue or (Expense)					
	Funded Depreciation	-	(8,635,306)		8,635,306	
	Additional Transfer from Operating	-				
27	Total Interfund Revenue (Expense)	-	(8,635,306)	-	8,635,306	-
28	Annual Surplus (Deficiency)	15,881,479	(817,963)	5,140,930	18,753,479	(7,194,967
29	Beginning Fund Balance 2024	83,811,767	35,929,370	14,656,410	2,899,616	30,326,371
30	Ending Fund Balance 2024	99,693,246	35,111,407	19,797,340	21,653,095	23,131,404
31	Minimum Target Reserve-180 Days O&M	15,985,080				

Water Pro Forma 2024-2033

Line						
No.	_	10-year Total	Operating	Construction	Replacement	Acquisition
	Operating Revenue:					
1	User Charges	632,207,503	632,207,503			
2	Non-Potable	37,500,000	37,500,000			
3	Plant Investment Fees	72,769,832		72,769,832		
4	Hydrant Water Sales	8,265,457	8,265,457			
5	Raw Water Surcharge	5,731,946				5,731,946
	Cash-in-Lieu	4,012,358				4,012,358
7	Augmentation Sales	12,500,000				12,500,000
8	Meter Sales/Rentals	4,779,500		4,779,500		, ,
9	Total Operating Revenue	777,766,596	677,972,960	77,549,332	-	22,244,304
	Operating Expenses:					
	O&M	336,893,548	334,858,847	2,034,701		
11	Windy Gap Assessments	41,947,973	41,947,973			
12	Total Operating Expenses	378,841,521	376,806,820	2,034,701	-	-
	_					_
13	Operating Income	398,925,075	301,166,140	75,514,631	-	22,244,304
	Non-Operating Revenue:					
14	Miscellaneous	13,160,772	13,160,772			
15	Terry Ranch Contributions	37,500,000		37,500,000		
16	Investment Income	28,485,412	10,264,595	10,770,644	3,915,768	3,534,405
17	Sewer Fund for Services & Meters	1,099,076	1,099,076		, ,	, ,
18	Transfers to Water for Utility Billing		4,085,176			
19	, ,	_	1,000,110			
	Bond/Loans	242,652,921		71,900,962	117,745,148	53,006,811
21	Total Non-Operating Revenue	322,898,181	28,609,619	120,171,606	121,660,916	56,541,216
	Non-Operating Expenses:					
22	Water Acquisition	108,731,118				108,731,118
23	•	429,677,804		176,555,596	253,122,208	,,
24	- ·	173,046,313	173,046,313	,,		
25	General Fund for General Administration	40,273,346	40,273,346			
26	Total Non-Operating Expenses	751,728,581	213,319,659	176,555,596	253,122,208	108,731,118
	Interfund Revenue or (Expense)					
	Funded Depreciation	_	(122,842,875)		122,842,875	
	Additional Transfer from Operating	_	(6,000,000)		6,000,000	
27	Total Interfund Revenue (Expense)	-	(128,842,875)	-	128,842,875	-
28	Total Surplus (Deficiency)	(29,905,325)	(12,386,775)	19,130,641	(2,618,417)	(29,945,598)
29	Beginning Fund Balance 2024	83,811,767	35,929,370	14,656,410	2,899,616	30,326,371
30	Ending Fund Balance 2032	53,906,442	23,542,595	33,787,051	281,199	380,773
31	Minimum Target Reserve-180 Days O&M	21,430,739				

Sewer Pro Forma 2024

Line					
No.		Total for 2024	Operating	Construction	Replacement
	O # D				
	Operating Revenue:	40.075.400	40.075.400		
1 2	User Charges Plant Investment Fees	18,875,498 3,210,087	18,875,498	2 240 007	
3	Total Operating Revenue	22,085,585	18,875,498	3,210,087 3,210,087	
3	Total Operating Revenue	22,000,000	10,070,430	3,210,007	
	Operating Expenses:				
	O&M	9,077,450	8,899,101	178,349	
5	Total Operating Expenses	9,077,450	8,899,101	178,349	-
6	Operating Income	13,008,135	9,976,397	3,031,738	-
	Non-Operating Revenue:				
7	Miscellaneous	396,050	396,050	450.050	
8	Investment Income	551,194	392,942	158,252	-
9 10	Bond Issue Total Non-Operating Revenue	48,000,000 48,947,244	788,992	158,252	48,000,000 48,000,000
10	Total Non-Operating Revenue	40,947,244	700,992	156,252	46,000,000
	Non-Operating Expenses:				
11	Capital	59,908,260		7,396,500	52,511,760
12	Debt Service	4,998,556	4,998,556		
13	Water Fund for Meters Services and Billing	255,198	255,198		
14	General Fund for General Administration	826,667	826,667		
15	Total Non-Operating Expenses	65,988,681	6,080,421	7,396,500	52,511,760
	Interfered Devenue or (Evenues)				
	Interfund Revenue or (Expense) Funded Depreciation		(4 402 724)		4,492,724
	Additional Transfer from Operating	-	(4,492,724)		4,492,724
16	Total Interfund Revenue (Expense)	<u>-</u>	(4,492,724)		4,492,724
	rotal intervalia (Expense)		(1,102,121)		1,102,721
17	Annual Surplus (Deficiency)	(4,033,302)	192,244	(4,206,510)	(19,036)
18	Beginning Fund Balance 2024	19,847,098	11,130,788	6,624,739	2,091,571
40	Fording Found Bolon on 2004	45.040.700	44 000 000	0.440.000	0.070.505
19	Ending Fund Balance 2024	15,813,796	11,323,032	2,418,229	2,072,535
20	Minimum Target Reserve-90 Days O&M	2,194,299			
20	willing in raige ineserve-30 Days Oxivi	۷, ۱۳ ۹ ,۷۶۶			

Sewer Pro Forma 2024-2033

Line					
No.	<u>-</u>	10-year Total	Operating	Construction	Replacement
	Operating Povenue				
	Operating Revenue:	220 602 005	220 602 005		
	User Charges Plant Investment Fees	238,693,805 45,225,203	238,693,805	45,225,203	
3	Total Operating Revenue	283,919,008	238,693,805	45,225,203	_
3	Total Operating Nevertue	203,919,000	230,093,003	45,225,205	-
	Operating Expenses:				
4	O&M	106,443,428	104,398,859	2,044,569	
5	Total Operating Expenses	106,443,428	104,398,859	2,044,569	-
6	Operating Income	177,475,580	134,294,946	43,180,634	_
	Non-Operating Revenue:				
7	Miscellaneous	4,569,684	4,569,684		
8	Investment Income	6,213,770	2,331,569	3,045,253	836,948
9	Bond Issue	149,000,000		4,500,000	144,500,000
10	Total Non-Operating Revenue	159,783,454	6,901,253	7,545,253	145,336,948
	Non-Operating Expenses:				
11		236,899,357		29,960,255	206,939,102
	Debt Service	76,036,191	76,036,191	_0,000,_00	_00,000,.0_
13	Water Fund for Meters Services and Billing	2,993,847	2,993,847		
14	General Fund for General Administration	9,476,814	9,476,814		
15	Total Non-Operating Expenses	325,406,209	88,506,852	29,960,255	206,939,102
	Interfund Revenue or (Expense)				
	Funded Depreciation	-	(60,802,148)		60,802,148
	Additional Transfer from Operating	-			
16	Total Interfund Revenue (Expense)	-	(60,802,148)	-	60,802,148
17	Total Surplus (Deficiency)	11,852,825	(8,112,801)	20,765,632	(800,006)
17	rotal Surplus (Deliciency)	11,002,020	(0,112,001)	20,703,032	(800,000)
18	Beginning Fund Balance 2024	19,847,098	11,130,788	6,624,739	2,091,571
19	Ending Fund Balance 2032	31,699,923	3,017,987	27,390,371	1,291,565
20	Minimum Target Reserve-90 Days O&M	2,990,604			
20	willing in range in to solve so bays out	2,000,007			

CITY OF GREELEY - WATER & SEWER 10-YEAR CIP 2024-2033 Revised June 23, 2023 WATER CONSTRUCTION 2024 2025 2026 2027 2028 2029 2030 2031 2032 2033 Supply Driver Description 2024 to 2033 Windy Gap Firming Master Plan Firms water rights for Greeley's Windy Gap units 515,000 515,000 **Terry Ranch Water Development** Master Plan 37,590,000 635,000 19,180,000 75,000 17,615,000 An aquifer supply & storage project for long term water storage needs 85,000 718,500 Non-Potable Expansion Projects Master Plan Non-potable system conversions and infrastructure for new development 18.665.500 2.092.000 2,215,000 2.672.000 3,622,000 4.472.000 718.500 718.500 718.500 718.500 Poudre Ponds - Pond C Master Plan Fill Pond C, grade and reseed site to get released from the DRMS mining permit 5,761,850 30,000 115.600 2.816.250 2.800.000 Ogilvy and Lone Tree Bypass Regulatory Ogilvy ditch bypass structure. 968.000 968,000 •Greeley West Non-Pot Pump Station Expansion 3,036,000 3,036,000 Master Plan Pump station expansion at Greeley West Park to expand service around the park •Centennial Park Non-Pot Pump Station Non-potable pump station to serve Centennial Park and surrounding properties 2,599,000 2,599,000 Master Plan Treatment Bellvue Residuals Gravity Thickener Operations/MP 2nd residual gravity thickener for increased capacity & demand 8,107,000 1,260,000 6.847.000 5,812,500 757,500 Bellvue 2mg Clear well Operations/Reg. Best practice is 10% of max daily production, need 4 mg and currently have 2mg 5.055.000 **Transmission & Distribution** Master Plan Install 7000 feet of 12", 16" and 20" waterline 4 160 081 4 160 081 Waterline F St S and F of 47th Ave **Distribution Line Extension & Oversizing** Operations/MP Development reimbursement for water line oversizing 1,643,100 161,280 161,280 163,300 165,320 18 Water Taps City installed taps for new development or removing compound taps 750.000 75.000 75.000 75.000 75.000 75.000 75.000 75.000 75.000 75.000 75.000 Operations New Construction Meters 450,000 45,000 45,000 45,000 45.000 45,000 45,000 45.000 45.000 45,000 45.000 Operations City installed meters for new development (reimbursed) Non-Potable Waterline 22,539,552 1,728,500 7,984,495 Master Plan Dependent on roadwork - install new non-potable line, 83rd Avenue alignment 10,000 10,000 12,806,55 21 35th Ave Non-Potable Waterline Ph II Const. Coord/MF Phase 2 to install a 24" non-potable pipeline as part of the 35th Ave project 2.107.876 2 107 876 O St Waterline Extension 23rd-25th Master Plan Install 16" Waterline along "O" Street between 23rd and 25th Avenues 812,820 812.820 8,305,000 Bellyue Pipeline Gold Hill Master Plan Gold Hill segment will allow gravity service to Gold Hill. 5.488.000 8.232.000 40.000 22.065.000 71st Ave. Equalizer Non-Potable Pump Station Master Plan 6,669,102 350,000 6,319,102 Construct pump station and pipeline to 83rd Ave 25 35th Avenue Water Line Extension 2,932,100 115,000 2,817,100 Master Plan Water pipeline to be installed in advance of City and County roadway projects Bulk Water Stations Operations Installation of three new bulk water stations to replace hydrant meters 375,000 375,000 •Waterlines Extensions to O St. Master Plan Waterline extensions on 59th, 71st, 83rd, 95th Avenues to O Street 11,550,800 655,000 2,454,000 130.000 3,241,800 130.000 2.090.400 205,000 2,514,600 130,000 28 426.250 426,250 C Street Water Line Extension Master Plan Water line extension along C St from 66th Ave to 59th Ave 29 •Zone 4 Additional 2MG Water Tower 700,000 700,000 Master Plan 2MG Water Tower adjacent of the existing Water Tower at Gold Hill 30 •Fixed Network for Badger Meters Master Plan Fixed cellular network for Badger Meters 2.000.000 2,000,000 SUB-TOTAL WATER CONSTRUCTION 162.2M 14.5M 36.4M 30.4M 33.7M 27.7M 1.1M 3.1M 3.2M 3.9M 8.2M 32 144.0M 11.2M 36.1M 27.1M 33.5M 27.5M 848.5K 2.8M 923.5K 3.2M 848.5K **WIFIA Eligible** 33 WATER CAPITAL REPLACEMENT 2024 2025 2026 2027 2028 2029 2030 2031 2032 2033 Supply Driver Description 2024 to 2033 5,816,900 Milton Seaman Outlet Works Operations/Reg. Replacement of Milton Seaman reservoir outlet gates 54,000 225,000 5,537,900 513,500 Non-Potable Replacement and Rehabilitation 504,100 537.000 560.800 584.800 609,100 Maintenance Maintenance and expansion of Greeley's existing non-potable irrigation system 5.793.400 702,000 490.100 633,600 658.400 Risk & Resiliency Projects Master Plan Risk mitigation projects per the 2020 Risk & Resiliency Assessmer 1,720,000 802,500 637,500 280,000 Irrigation ditch system assessments and City maintenance 50,000 52,000 58,000 60,000 62,000 64,000 66,000 68,000 Ancillary system Improvements Maintenance 590,000 54,000 56,000 Bellvue Intake Maintenance Project Phase 2 Maintenance Repair damages to Bellvue raw water intake structure 8,375,000 8.255,000 120,000 420,000 Suburban Ditch (Reservoir Rd) Line Replacement Maintenance Replace a 1961 irrigation line due to deterioration 420,000 42 Lake Loveland Tower Cover 270,000 270.000 Maintenance Replace one fiberglass cover over the Lake Loveland intake tower 43 SCADA - High Mountain Reservoirs 269,200 131,200 138,000 Maintenance/Reg. Upgrade SCADA for High Mountain Reservoirs to meet upgraded regulations Non-Potable Water Master Plan Update **Master Plan** 325,000 Master Plan for non-potable systems 325,000 45 •North Boomerang Non-Pot Pump Station Replacement Master Plan Pump station for North 9 at Boomerang GC, total replacement and upsizing 3,935,000 300,000 3,635,000 46 •Non-Potable Pump Station Replacement Master Plan Replacing pump stations that have reached the end of their useful life 5,187,850 2.504.850 1,744,000 402.000 537,000 1,532,200 •Cottonwood Park Non-Potable Pond Lining Operations Install plastic pond liner within Cottonwood Pond 1,532,200 48 Treatment **Boyd Process Improvements** Maintenance Improvements to the treatment infrastructure at the Boyd Lake plant 23,100,000 100.000 23.000.000 50 Boyd Sedimentation Basin Repair Maintenance Repair concrete erosion within the sedimentation basins 900.000 900,000 Maintenance Bellvue WTP General Rehab General maintenance projects or unanticipated rehab 6,315,000 625,000 560,000 615,000 645,000 645,000 645,000 645,000 645,000 645,000 645,000 Boyd WTP General Rehab 4,900,000 450,000 475,000 Maintenance General maintenance projects or unanticipated rehab 525.000 495.000 580.000 475.000 475.000 475.000 475.000 475.000 Water Treatment Plants Master Plan Master Plan Master plan for planning project needs for the City's two water plants 790.000 790.000 **Boyd Pump Station Intake Valve** Maintenance Replace a non functional intake valve at the Boyd Lake pump station 520,000 520,000 4 410 000 Bellyue 20 MGD Treatment Trains-Ph. 2 20 MGD replacement of the flocculation/sedimentation and 58/64 filters (TB2). 4.410.000 Maintenance/MP •Bellvue Filter Media Replacement Maintenance Filter media analyzed for remaining absorption, and if necessary replaced 3,090,000 290,000 2,800,000 57 Bellvue Flocculator / Sedimentation Building Rehab Upgrades for Bellvue buildings to repair and reduce corrosion on components 1,287,500 300,000 543,750 443,750 Maintenance Maintenance •Bellvue Switchgear Replacement Bellvue switchgear replacement 720,000 250.000 170.000 300.000 **Boyd Micro strainer Building Remodel** Maintenance Remodel Micro strainer building for current building code and expand space 2,020,000 1.135.000 885.000 **Transmission & Distribution** 61 Transmission System Rehab. Maintenance Replacement and rehabilitation of transmission lines 10,460,000 1,046,000 1.046.000 1.046.000 1.046.000 1.046.000 1.046.000 1.046.000 1.046.000 1.046.000 1.046.000 SCADA Master Plan v2 Master Plan SCADA planning for vulnerabilities to cyberattack, requirement by EPA 150,000 150,000 2,134,000 2.096.000 Distribution Pipeline Replacements Maintenance Replaces lines based on leak history or increase size 21,153,000 2.400.000 2 324 000 1.719.000 2.096.000 2.096.000 2.096.000 2.096.000 2.096.000 Advanced Metering Infrastructure (AMI) Operations AMI to facilitate water savings and improve customer communication 1,570,000 785.000 785.000 65 Treated Water Reservoir Rehabilitation Maintenance and minor repairs to the treated water reservoirs 3.318.000 574.500 435.500 279.500 207.500 873.500 189.500 189.500 189.500 189.500 189.500 Maintenance **Water Capital Outlay Replacement** Maintenance 9,718,133 912,207 1,799,479 1.870.836 1.980.727 1.116.898 497.674 589,630 433,002 151,599 366,081 Replacement of rolling stock: trucks, loaders, etc 5,250,000 Utility Billing Replacement - Water Operations Replacement of existing City CIS software system 5.250.000 68 Instrumentation & Controls - Water 196,000 196.000 196.000 196,000 196,000 196,000 196.000 196.000 Operations Maintains SCADA systems and control panels 1.960.000 196.000 196.000 Meter Replacement Maintenance Replace meters that become inaccurate or failing 1,000,000 100.000 100.000 100.000 100.000 100.000 100.000 100.000 100.000 100.000 100.000 2.336.400 176 400 240 000 240 000 240,000 Valve Replacement Maintenance Replaces failed valves on system with over 12,000 valves 240 000 240 000 240 000 240,000 240,000 240,000 420,000 3,635,000 215,000 240,000 300,000 360.000 420.000 420,000 420,000 Fire Hydrant Replacemer Maintenance Replace hydrants that do not meet current city standards 420.000 420,000 Distribution System Model & Master Plan Update 290,000 610,000 Master Plan Study to determine needed water distribution system improvements 900.000 **W&S Facilities Program** Operations Site will be developed to house W&S operational crews & equipment 19,425,000 775.000 16.420.000 2,165,000 65,000 **Transmission Customers Re-Route** Operations Existing transmission line customers moved to other water providers 2,500,000 250.000 250,000 250,000 250.000 250.000 250,000 250.000 250,000 250,0 57 75 23rd Ave Reservoir Replacement 12.54 16.480.000 3.510.000 10.000 415 000 Maintenance Rreated water reservoir at 23rd Ave to replace reservoirs taken out of service Mosier Reservoir Rehab and Optimization Master Plan Design and construction based on optimization study completed in 2023 8.800.000 675.000 8.075.000 25,000 25,000 •9th and 10th Street Waterline Replacement Master Plan Install 8" waterline to replace the existing 4" on 9th and 10th Streets 3,555,000 150.000 1.702.500 1.702.500

				T	1	•	1		1	1	1	1	1	1
	В	C	D	E	F	G	Н	I	J	K	L	M	N	0
1	CITY OF GREELEY - WATER & SEWER	10-YEAR (CIP 2024-2033									Re	vised June	<i>23, 2023</i>
2	Project Count: 114 • Project new to CIP this year													
78	Island Grove Park Waterline Replacement	Master Plan	Install 16" waterline to replace existing 8" on D Street from 11th to 14th Ave	1,901,520	133,000	138,000	1,630,520							
79	•Transmission System Corrosion Protection	Maintenance	Repari and enhance the cathodic protection system in the transmission system	2,555,200	582,300	642,900	360,000	360,000	360,000	50,000	50,000	50,000	50,000	50,000
80	•Zone 4 Electrical Upgrade	Maintenance	Existing Zone 4 electrical system is at end of life and needs to be replaced	655,000	305,000		350,000							
81	•Transmission Line Replacement - Bellvue #1 and #2 - Schneider Farm	Operations	Relocation/Replace the Bellvue transmission lines #1 and #2	1,776,200	1,681,200	95,000								
82	•Transmission Line Replacement - Bellvue #1 and #2 - Cache Segment	Operations	Transmission line realignment: 4th Street and 89th Ave to the Poudre River	9,037,150	380,000	3,997,900	140,000	4,404,250	115,000					
83	•8th Avenue Waterline Replacement	Master Plan	Install new 8-12" waterline to replace the eixsitng 4-12" mainline on 8th Ave	2,951,200		113,200	946,000	946,000	946,000					
84	Lead Service Line Replacement	Regulatory	Replacement of lead and galvanized service lines from meter to house	16,571,520	8,116,800	8,454,720								
85			SUB-TOTAL WATER CAPITAL REPLACEMENT	229.9M	35.6M	55.1M	29.0M	22.2M	10.1M	8.0M	7.8M	6.8M	7.0M	48.3M
86			WIFIA Eligible	142.7M	25.1M	47.3M	19.8M	7.8M	2.5M	1.7M	1.5M	483.0K	616.6K	36.0M
88	VATER RIGHTS ACQUISTION													
89		Driver	Description	2024 to 2033	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
89 90	Future Water Acquisition	Driver Master Plan	Description Acquisition of additional water supplies for future use	2024 to 2033 78,600,000	2024 6,500,000	2025 6,800,000	2026 7,100,000	2027 7,400,000	2028 7,700,000	2029 8,000,000	2030 8,300,000	2031 8,600,000	2032 8,900,000	2033 9,300,000
90 91	Future Water Acquisition Life After Lawn		***											
89 90 91 92		Master Plan	Acquisition of additional water supplies for future use	78,600,000	6,500,000	6,800,000	7,100,000	7,400,000	7,700,000	8,000,000	8,300,000	8,600,000	8,900,000	9,300,000
90 91 92 93	Life After Lawn	Master Plan Master Plan	Acquisition of additional water supplies for future use Program toreplace bluegrass turf with water smart landscaping	78,600,000 1,693,700	6,500,000 182,000	6,800,000 160,200	7,100,000 163,500	7,400,000	7,700,000	8,000,000	8,300,000	8,600,000	8,900,000	9,300,000
99 91 92 93 94	Life After Lawn Non-tributary groundwater SLB Change Case	Master Plan Master Plan Master Plan	Acquisition of additional water supplies for future use Program toreplace bluegrass turf with water smart landscaping Change case for non-tributary groundwater right in the Laramie aquifer	78,600,000 1,693,700 5,050,000	6,500,000 182,000 4,900,000	6,800,000 160,200 50,000	7,100,000 163,500 100,000	7,400,000	7,700,000	8,000,000	8,300,000	8,600,000	8,900,000	9,300,000
90 91 92 93 94 95	Life After Lawn Non-tributary groundwater SLB Change Case Poudre Ponds Parcel B	Master Plan Master Plan Master Plan Master Plan	Acquisition of additional water supplies for future use Program toreplace bluegrass turf with water smart landscaping Change case for non-tributary groundwater right in the Laramie aquifer Expansion of gravel water pit storage at the Poudre Ponds complex	78,600,000 1,693,700 5,050,000 426,000	6,500,000 182,000 4,900,000 101,000	6,800,000 160,200 50,000	7,100,000 163,500 100,000	7,400,000	7,700,000	8,000,000	8,300,000	8,600,000	8,900,000	9,300,000
90 91 92 93 94 95 96	Life After Lawn Non-tributary groundwater SLB Change Case Poudre Ponds Parcel B Water Supply and Storage Change Case	Master Plan Master Plan Master Plan Master Plan Master Plan	Acquisition of additional water supplies for future use Program toreplace bluegrass turf with water smart landscaping Change case for non-tributary groundwater right in the Laramie aquifer Expansion of gravel water pit storage at the Poudre Ponds complex Change case to convert water rights from irrigation to municipal use	78,600,000 1,693,700 5,050,000 426,000 100,000	6,500,000 182,000 4,900,000 101,000 100,000	6,800,000 160,200 50,000	7,100,000 163,500 100,000	7,400,000	7,700,000	8,000,000	8,300,000	8,600,000	8,900,000	9,300,000
90 91 92 93 94 95 96 97	Life After Lawn Non-tributary groundwater SLB Change Case Poudre Ponds Parcel B Water Supply and Storage Change Case Water Resources Database Build Integrated Water Resources Plan Update NISP Response and Management	Master Plan Master Plan Master Plan Master Plan Master Plan Master Plan Maintenance	Acquisition of additional water supplies for future use Program toreplace bluegrass turf with water smart landscaping Change case for non-tributary groundwater right in the Laramie aquifer Expansion of gravel water pit storage at the Poudre Ponds complex Change case to convert water rights from irrigation to municipal use Construction of a database to use for Water Rights tracking and valuation Periodic update to the 2023 Integrated Water Resource Plan Greeley response to Northern Integrated Supply Project (NISP)	78,600,000 1,693,700 5,050,000 426,000 100,000 136,800	6,500,000 182,000 4,900,000 101,000 100,000	6,800,000 160,200 50,000	7,100,000 163,500 100,000	7,400,000	7,700,000 170,200	8,000,000	8,300,000	8,600,000	8,900,000	9,300,000
99 91 92 93 94 95 96 97	Life After Lawn Non-tributary groundwater SLB Change Case Poudre Ponds Parcel B Water Supply and Storage Change Case Water Resources Database Build Integrated Water Resources Plan Update NISP Response and Management Big Thompson Source Water Assessment and Protection Plan	Master Plan Master Plan Master Plan Master Plan Master Plan Master Plan Maintenance Master Plan	Acquisition of additional water supplies for future use Program toreplace bluegrass turf with water smart landscaping Change case for non-tributary groundwater right in the Laramie aquifer Expansion of gravel water pit storage at the Poudre Ponds complex Change case to convert water rights from irrigation to municipal use Construction of a database to use for Water Rights tracking and valuation Periodic update to the 2023 Integrated Water Resource Plan Greeley response to Northern Integrated Supply Project (NISP) Multi-year collaborative effort to protect Greeley's Big Thompson watershed	78,600,000 1,693,700 5,050,000 426,000 100,000 136,800 300,000 500,000 168,000	6,500,000 182,000 4,900,000 101,000 100,000 136,800	6,800,000 160,200 50,000	7,100,000 163,500 100,000	7,400,000 166,800	7,700,000 170,200	8,000,000	8,300,000	8,600,000	8,900,000	9,300,000
99 91 92 93 94 95 96 97 98	Life After Lawn Non-tributary groundwater SLB Change Case Poudre Ponds Parcel B Water Supply and Storage Change Case Water Resources Database Build Integrated Water Resources Plan Update NISP Response and Management	Master Plan Master Plan Master Plan Master Plan Master Plan Master Plan Maintenance Master Plan Maintenance	Acquisition of additional water supplies for future use Program toreplace bluegrass turf with water smart landscaping Change case for non-tributary groundwater right in the Laramie aquifer Expansion of gravel water pit storage at the Poudre Ponds complex Change case to convert water rights from irrigation to municipal use Construction of a database to use for Water Rights tracking and valuation Periodic update to the 2023 Integrated Water Resource Plan Greeley response to Northern Integrated Supply Project (NISP) Multi-year collaborative effort to protect Greeley's Big Thompson watershed Update of the PBM for simulated water supply infrastructure and operations	78,600,000 1,693,700 5,050,000 426,000 100,000 136,800 300,000 500,000 168,000 200,000	6,500,000 182,000 4,900,000 101,000 100,000 136,800 500,000 160,000	6,800,000 160,200 50,000	7,100,000 163,500 100,000	7,400,000	7,700,000 170,200 300,000	8,000,000	8,300,000	8,600,000	8,900,000	9,300,000
89 90 91 92 93 94 95 96 97 98 99 100	Life After Lawn Non-tributary groundwater SLB Change Case Poudre Ponds Parcel B Water Supply and Storage Change Case •Water Resources Database Build •Integrated Water Resources Plan Update •NISP Response and Management •Big Thompson Source Water Assessment and Protection Plan •Poudre Basin Model Update •Retiming Storage Investigation	Master Plan Master Plan Master Plan Master Plan Master Plan Master Plan Maintenance Master Plan Maintenance Maintenance Maintenance	Acquisition of additional water supplies for future use Program toreplace bluegrass turf with water smart landscaping Change case for non-tributary groundwater right in the Laramie aquifer Expansion of gravel water pit storage at the Poudre Ponds complex Change case to convert water rights from irrigation to municipal use Construction of a database to use for Water Rights tracking and valuation Periodic update to the 2023 Integrated Water Resource Plan Greeley response to Northern Integrated Supply Project (NISP) Multi-year collaborative effort to protect Greeley's Big Thompson watershed Update of the PBM for simulated water supply infrastructure and operations Investigation of effects of retiming storage in the Poudre River watershed	78,600,000 1,693,700 5,050,000 426,000 100,000 136,800 300,000 500,000 168,000 200,000 250,000	6,500,000 182,000 4,900,000 101,000 100,000 136,800 500,000 160,000	6,800,000 160,200 50,000 194,000	7,100,000 163,500 100,000 131,000	7,400,000 166,800	7,700,000 170,200 300,000	8,000,000	8,300,000	8,600,000	8,900,000	9,300,000
89 90 91 92 93 94 95 96 97 98 99 100 101	Life After Lawn Non-tributary groundwater SLB Change Case Poudre Ponds Parcel B Water Supply and Storage Change Case •Water Resources Database Build •Integrated Water Resources Plan Update •NISP Response and Management •Big Thompson Source Water Assessment and Protection Plan •Poudre Basin Model Update •Retiming Storage Investigation •Interruptible Supply/ATM	Master Plan Master Plan Master Plan Master Plan Master Plan Maintenance Master Plan Maintenance Maintenance Maintenance Master Plan Maintenance	Acquisition of additional water supplies for future use Program toreplace bluegrass turf with water smart landscaping Change case for non-tributary groundwater right in the Laramie aquifer Expansion of gravel water pit storage at the Poudre Ponds complex Change case to convert water rights from irrigation to municipal use Construction of a database to use for Water Rights tracking and valuation Periodic update to the 2023 Integrated Water Resource Plan Greeley response to Northern Integrated Supply Project (NISP) Multi-year collaborative effort to protect Greeley's Big Thompson watershed Update of the PBM for simulated water supply infrastructure and operations Investigation of effects of retiming storage in the Poudre River watershed Planning for interruptible supply project	78,600,000 1,693,700 5,050,000 426,000 100,000 136,800 300,000 500,000 168,000 200,000 250,000 3,220,000	6,500,000 182,000 4,900,000 101,000 100,000 136,800 500,000 160,000 250,000 775,000	6,800,000 160,200 50,000 194,000	7,100,000 163,500 100,000 131,000	7,400,000 166,800 200,000 775,000	7,700,000 170,200 300,000 8,000	8,000,000 170,200	8,300,000 170,200	8,600,000	8,900,000	9,300,000
89 90 91 92 93 94 95 96 97 98 99 100 101 102	Life After Lawn Non-tributary groundwater SLB Change Case Poudre Ponds Parcel B Water Supply and Storage Change Case •Water Resources Database Build •Integrated Water Resources Plan Update •NISP Response and Management •Big Thompson Source Water Assessment and Protection Plan •Poudre Basin Model Update •Retiming Storage Investigation	Master Plan Master Plan Master Plan Master Plan Master Plan Maintenance Master Plan Maintenance Maintenance Maintenance Maintenance Master Plan Master Plan Master Plan	Acquisition of additional water supplies for future use Program toreplace bluegrass turf with water smart landscaping Change case for non-tributary groundwater right in the Laramie aquifer Expansion of gravel water pit storage at the Poudre Ponds complex Change case to convert water rights from irrigation to municipal use Construction of a database to use for Water Rights tracking and valuation Periodic update to the 2023 Integrated Water Resource Plan Greeley response to Northern Integrated Supply Project (NISP) Multi-year collaborative effort to protect Greeley's Big Thompson watershed Update of the PBM for simulated water supply infrastructure and operations Investigation of effects of retiming storage in the Poudre River watershed	78,600,000 1,693,700 5,050,000 426,000 100,000 136,800 300,000 500,000 168,000 200,000 250,000	6,500,000 182,000 4,900,000 101,000 100,000 136,800 500,000 160,000	6,800,000 160,200 50,000 194,000	7,100,000 163,500 100,000 131,000	7,400,000 166,800	7,700,000 170,200 300,000	8,000,000	8,300,000	8,600,000	8,900,000	9,300,000
89 90 91 92 93 94 95 96 97 98 99 100 101 102	Life After Lawn Non-tributary groundwater SLB Change Case Poudre Ponds Parcel B Water Supply and Storage Change Case •Water Resources Database Build •Integrated Water Resources Plan Update •NISP Response and Management •Big Thompson Source Water Assessment and Protection Plan •Poudre Basin Model Update •Retiming Storage Investigation •Interruptible Supply/ATM	Master Plan Master Plan Master Plan Master Plan Master Plan Maintenance Maintenance Maintenance Maintenance Maintenance Master Plan Master Plan Master Plan Master Plan	Acquisition of additional water supplies for future use Program toreplace bluegrass turf with water smart landscaping Change case for non-tributary groundwater right in the Laramie aquifer Expansion of gravel water pit storage at the Poudre Ponds complex Change case to convert water rights from irrigation to municipal use Construction of a database to use for Water Rights tracking and valuation Periodic update to the 2023 Integrated Water Resource Plan Greeley response to Northern Integrated Supply Project (NISP) Multi-year collaborative effort to protect Greeley's Big Thompson watershed Update of the PBM for simulated water supply infrastructure and operations Investigation of effects of retiming storage in the Poudre River watershed Planning for interruptible supply project	78,600,000 1,693,700 5,050,000 426,000 100,000 136,800 300,000 168,000 200,000 250,000 3,220,000 3,175,000 93.8M	6,500,000 182,000 4,900,000 101,000 100,000 136,800 500,000 160,000 250,000 775,000 35,000 13.6M	6,800,000 160,200 50,000 194,000 895,000 35,000 8.1M	7,100,000 163,500 100,000 131,000 775,000 35,000 8.3M	7,400,000 166,800 200,000 775,000 35,000	7,700,000 170,200 300,000 8,000 35,000	8,000,000 170,200 170,000 1,000,000 9.2M	8,300,000 170,200	8,600,000 170,200 8.8M	8,900,000 170,200	9,300,000 170,200 9,5M
89 90 91 92 93 94 95 96 97 98 99 100 101 102 103	Life After Lawn Non-tributary groundwater SLB Change Case Poudre Ponds Parcel B Water Supply and Storage Change Case •Water Resources Database Build •Integrated Water Resources Plan Update •NISP Response and Management •Big Thompson Source Water Assessment and Protection Plan •Poudre Basin Model Update •Retiming Storage Investigation •Interruptible Supply/ATM	Master Plan Master Plan Master Plan Master Plan Master Plan Maintenance Maintenance Maintenance Maintenance Maintenance Master Plan Master Plan Master Plan Master Plan	Acquisition of additional water supplies for future use Program toreplace bluegrass turf with water smart landscaping Change case for non-tributary groundwater right in the Laramie aquifer Expansion of gravel water pit storage at the Poudre Ponds complex Change case to convert water rights from irrigation to municipal use Construction of a database to use for Water Rights tracking and valuation Periodic update to the 2023 Integrated Water Resource Plan Greeley response to Northern Integrated Supply Project (NISP) Multi-year collaborative effort to protect Greeley's Big Thompson watershed Update of the PBM for simulated water supply infrastructure and operations Investigation of effects of retiming storage in the Poudre River watershed Planning for interruptible supply project Greeley and Tri-Districts partnership for approximately 2,350 ac-ft. storage	78,600,000 1,693,700 5,050,000 426,000 100,000 136,800 300,000 500,000 168,000 200,000 250,000 3,220,000 3,175,000	6,500,000 182,000 4,900,000 101,000 100,000 136,800 500,000 160,000 250,000 775,000 35,000	6,800,000 160,200 50,000 194,000 895,000 35,000	7,100,000 163,500 100,000 131,000 775,000 35,000	7,400,000 166,800 200,000 775,000 35,000	7,700,000 170,200 300,000 8,000	8,000,000 170,200 170,000	8,300,000 170,200	8,600,000 170,200	8,900,000 170,200	9,300,000 170,200
89 90 91 92 93 94 95 96 97 98 99 100 101 102 103 104 105	Life After Lawn Non-tributary groundwater SLB Change Case Poudre Ponds Parcel B Water Supply and Storage Change Case •Water Resources Database Build •Integrated Water Resources Plan Update •NISP Response and Management •Big Thompson Source Water Assessment and Protection Plan •Poudre Basin Model Update •Retiming Storage Investigation •Interruptible Supply/ATM	Master Plan Master Plan Master Plan Master Plan Master Plan Maintenance Maintenance Maintenance Maintenance Maintenance Master Plan Master Plan Master Plan Master Plan	Acquisition of additional water supplies for future use Program toreplace bluegrass turf with water smart landscaping Change case for non-tributary groundwater right in the Laramie aquifer Expansion of gravel water pit storage at the Poudre Ponds complex Change case to convert water rights from irrigation to municipal use Construction of a database to use for Water Rights tracking and valuation Periodic update to the 2023 Integrated Water Resource Plan Greeley response to Northern Integrated Supply Project (NISP) Multi-year collaborative effort to protect Greeley's Big Thompson watershed Update of the PBM for simulated water supply infrastructure and operations Investigation of effects of retiming storage in the Poudre River watershed Planning for interruptible supply project Greeley and Tri-Districts partnership for approximately 2,350 ac-ft. storage	78,600,000 1,693,700 5,050,000 426,000 100,000 136,800 300,000 168,000 200,000 250,000 3,220,000 3,175,000 93.8M	6,500,000 182,000 4,900,000 101,000 100,000 136,800 500,000 160,000 250,000 775,000 35,000 13.6M	6,800,000 160,200 50,000 194,000 895,000 35,000 8.1M	7,100,000 163,500 100,000 131,000 775,000 35,000 8.3M	7,400,000 166,800 200,000 775,000 35,000	7,700,000 170,200 300,000 8,000 35,000	8,000,000 170,200 170,000 1,000,000 9.2M	8,300,000 170,200 2,000,000 10.5M	8,600,000 170,200 8.8M	8,900,000 170,200	9,300,000 170,200 9,5M

В	С	D	E	F	G	Н	I	J	K	L	М	N	0
CITY OF GREELEY - WATER & SEWER 1	LO-YEAR	CIP 2024-2033									Re	vised June	23, 202
Project Count: 114 • Project new to CIP this year													•
Troject countries Troject new to on this year													
7													
SEWER CONSTRUCTION													
Collection	Driver	Description	2024 to 2033	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
Sanitary Sewer Manholes & Taps	Operations	Manholes added for operation and maintenance benefits	790,000	79,000	79,000	79,000	79,000	79,000	79,000	79,000	79,000	79,000	79,000
N. Greeley Sewer Phase IIA	Master Plan	Provides service north of the Poudre River and along HWY 85	7,144,500	7,117,500	15,000	12,000	0	0					
Collection Line Extension and Oversizing	Operations	Expansion of the wastewater collection system for its long term growth region	650,000	340,000			310,000						
B Lift Station 9	Master Plan	Growth driven capital project identified in the 2020 sewer collection master plan.	12,320,000			1,600,000	4,855,000	5,865,000					
Balsam Ave and LS9 Capacity Assessment	Master Plan	The Masterplan identified deficiencies in the Balsam Ave Trunk line and Lift Station 9	120,000		120,000								
•Lift Station 9 Flow Diversion	Master Plan	Construction of 11,200 LF of 21" gravity sewer main from current LS9 to east and north	8,950,000			120,000	1,015,000	7,815,000					
Treatment													
WTRF Capacity Expansion	Master Plan	Increase total treatment capacity for loads and flows through the WTRF.	0			1		1		1			1
3		SUB-TOTAL SEWER CONSTRUCTION	30.0M	7.5M	214.0K	1.8M	6.3M	13.8M	79.0K	79.0K	79.0K	79.0K	79.0k
		30D-TOTAL SEWER CONSTRUCTION	30.0141	7.5141	214.UK	1.0141	0.3141	13.0141	73.01	79.00	79.01	73.01	79.01
SEWER CAPITAL REPLACEMENT													
Collection	Driver	Description	2024 to 2033	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
2 Trenchless Main and Collector Rehab	Maintenance	Cured in place pipe repair of sanitary system	5,960,000	580,000	420,000	620,000	620,000	620,000	620,000	620,000	620,000	620,000	620,000
Highland Hills 47th Ave Sewer Capacity	Master Plan	Increase capacity in the existing 8" sewer line in 47th Ave	2,550,000	360,000	2,550,000	020,000	020,000	020,000	020,000	020,000	020,000	020,000	020,000
, ,	Maintenance		4,135,000	660,000	475,000	40E 000	555,000	225 000	325,000	325,000	325,000	325,000	225 000
Sewer Collection System Rehabilitation Wastewater Flow Monitoring Program	Maintenance	Lines smaller than 6" identified for replacement and system rehab Install flow meters on trunk lines for flow monitoring	425,000	85,000	85,000	495,000 85,000	85,000	325,000 85,000	323,000	323,000	323,000	323,000	325,000
8th Ave Sewer Storm MH Conflict	Maintenance	Replacement of two pipes currently flow through a storm manhole	585,000	140,000	445,000	83,000	83,000	83,000					
7 Highland Hills Bittersweet Sewer Capacity	Master Plan	Upsize approximately 2,300 feet of sewer main across 16th St through Bittersweet Park	1,520,000	265,000	0	1,255,000							
	Master Plan	Upsize approximately 1,800 feet of sewer main in 35th Ave from 16th St to 19th St	1,485,000	255,000	1,230,000	1,233,000							
Highland Hills 35th Ave Sewer Capacity Central 16th St Sewer Replacement	Master Plan	Upsizing sewer main across Greeley Central's baseball field	1,525,000	233,000	1,230,000	255,000	1,270,000						
North Poudre RR Sewer Phase I		Deficiency driven capital project identified in the 2020 sewer collection master plan	7,120,000			1,000,000	6,120,000						
	Master Plan		7,120,000			1,000,000	750,000						
Sanitary Sewer Master Plan Update	Master Plan Master Plan	Master plan update for city sewer system due for 2027 Construction of a Sewer Lift Station to replace #15 for Hope Springs development	929,500	929,500			750,000						
•Lift Station 15 (Hope Springs) Replacement —————————————————————————————————	iviaster Plan	Construction of a sewer Lift Station to replace #15 for hope springs development	929,500	929,500									
Treatment	 			1	T	T		1	1		T	1	1
General Rehabilitation Projects	Maintenance	Small or unanticipated maintenance projects	4,737,000	506,000	621,000	618,000	766,000	436,000	401,000	426,000	386,000	256,000	321,000
WTRF Blower Replacement Phase 2	Master Plan	Replacing expiring and aged out blowers used for aerating process fluid	7,800,000					900,000	6,900,000				
Instrumentation & Controls - Wastewater	Operations	Maintains SCADA systems and control panels	2,178,000	217,800	217,800	217,800	217,800	217,800	217,800	217,800	217,800	217,800	217,800
WTRF Stream Temperature Assessment	Regulatory	Study effluent temperature issues for possible new regulations	600,000	55,000	55,000	105,000	55,000	55,000	55,000	55,000	55,000	55,000	55,000
WTRF Primary Treatment-Phase II	Maintenance/M		43,281,650	43,201,650	80,000								
•WTRF Additional Cake Hopper	Master Plan	Construction and installation of an additional cake hopper	2,642,140	2,642,140									
•WTRF Secondary Clarifier Upgrades	Master Plan	Upgrades to secondary clarifier tanks	12,110,920			717,420	5,658,300	5,735,200					
WTRF Secondary Digersters Rehabilitation	Master Plan	Rehabilitation of secondary digesters	2,551,000	1	381,000	2,170,000	+	 	1	1			
•WTRF Regulation 31 Improvements	Master Plan	Rehab projects needed to meet regulation 31 updates to the treatment process	65,754,000									7,375,000	58,379,00
Studies & Others	_												
Utility Billing Replacement - Sewer	Operations	Replacement of existing City CIS software system	2,000,000	2,000,000									
Sewer Capital Outlay Replacement	Maintenance	Replacement of rolling stock: trucks, loaders, etc.	3,290,642	974,670	843,115	285,828	128,926	170,876	504,703	95,631	95,631	95,631	95,631
Wastewater Treatment Master Plan Update	Master Plan	WTRF Master Plan updates	1,803,600			973,000	80,600				750,000		
7		SUB-TOTAL SEWER CAPITAL REPLACEMENT	175.7M	52.5M	7.4M	8.8M	16.3M	8.5M	9.0M	1.7M	2.4M	8.9M	60.0N
3 													
SEWER TOTAL			205.7M	60.0M	7.6M	10.6M	22.6M	22.3M	9.1M	1.8M	2.5M	9.0M	60.1N
<u> </u>				<u> </u>							<u> </u>		

Water & Sewer Department MEMORANDUM

TO: Sean Chambers, Director of Water and Sewer

FROM: Virgil Pierce, Rates and Budget Analyst

DATE: June 26, 2023

RE: Existing and Planned Water and Sewer Debt

Debt issuance is a critical component of the department's financial planning strategy, providing the up-front investment necessary to continuously fund the replacement and expansion of Greeley's water and sewer systems. The following tables summarize existing and future bond issuances in the water and sewer funds, detailing remaining principal and associated debt service costs. Note: future bond issuances are subject to change as capital planning evolves. Pages two through four contain a list of major capital projects driving future debt issuances.

Water Fund - Existing	Principal Remaining	Years Remaining	Annual Debt Service
2014 Revenue	\$ 1,095,000	1	\$ 1,127,850
2016 Revenue	\$ 15,490,000	5	\$ 4,239,500
2018 Revenue	\$ 36,990,000	17	\$ 3,577,700
2022 Revenue	\$ 58,975,000	19	\$ 5,207,650
2021 Windy Gap*	\$ 60,545,000	31	\$ 3,275,847
Total Existing Water	\$ 173,095,000		\$ 17,428,547

^{*} Windy Gap Debt Service is treated as an operating expense.

Water Fund – Future	Proposed Issuance	Payment Period	Est. Debt Service		
2024 Revenue	\$ 33,000,000	20	\$ 2,428,198		
2024 WIFIA Loan	\$ 121,657,000	\$ 121,657,000 35			
2026 Revenue	\$ 7,000,000	20	\$ 515,072		
2029 Revenue	\$ 16,000,000	20	\$ 1,177,308		
2029 WIFIA Loan	\$ 34,996,000	35	\$ 1,848,259		
2031 Revenue	\$ 19,000,000	20	\$ 1,398,053		
2033 Revenue	\$ 11,000,000	20	\$ 809,399		
Total Future Water	\$ 242,653,000		\$ 14,977,403		

Sewer Fund - Existing	Principal Remaining	Years Remaining	Annual Debt Service
2015 Revenue	\$ 2,845,000	6	\$ 529,444
2018 Revenue	\$ 9,095,000	15	\$ 835,850
2022 Revenue	\$ 20,670,000	19	\$ 1,507,300
Total Existing Sewer	\$ 32,610,000		\$ 2,872,594

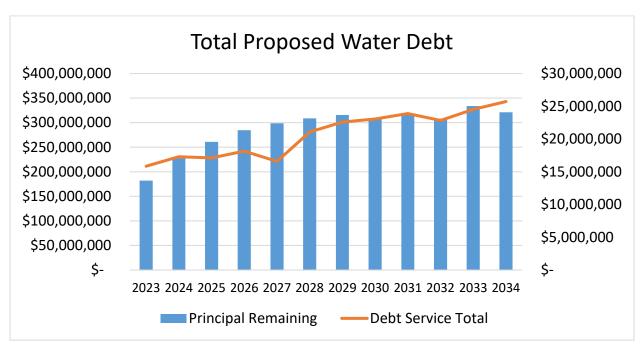
Sewer Fund – Future	Proposed Issuance	Payment Period	Est. Debt Service
2024 Revenue	\$ 48,000,000	20	\$ 3,531,924
2026 Revenue	\$ 13,500,000	20	\$ 993,354
2028 Revenue	\$ 11,000,000	20	\$ 809,399
2033 Revenue	\$ 76,500,000	20	\$ 5,629,004
Total Future Sewer	\$ 144,500,000		\$ 10,632,563

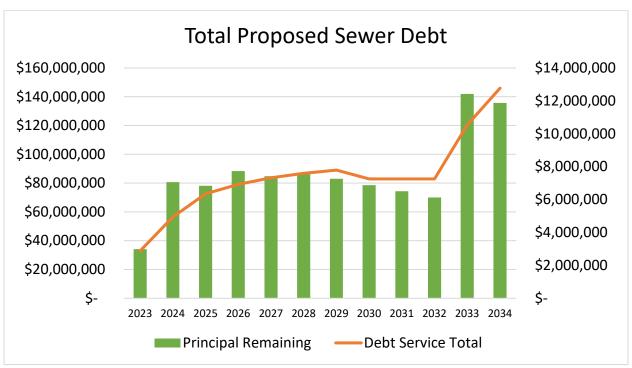
The following tables list the major capital projects driving future debt issuances for the water and sewer funds. Future project costs are estimated.

Projects Driving Future Debt – Water				
2024 Issuance: \$33M	2 Year	Proposed	% of Bond	
(expended 24-25)	Project Budget	Bond Funding	Issuance	
W & S Facilities Program	\$ 17,195,000	\$17,000,000	52%	
Utility Billing Replacement – Water	\$ 5,250,000	\$ 5,250,000	16%	
Distribution Pipeline Replacement	\$ 4,724,000	\$4,500,000	14%	
North Boomerang Pump Station	\$ 3,935,000	\$ 3,500,000	11%	
23 rd Ave Reservoir Replacement	\$ 3,520,000	\$ 2,750,000	8%	
•	\$ 34,624,000	\$ 33,000,000		
2024 WIFIA Loan Issuance: \$121.7M	5 Year Project	Proposed Loan	% of WIFIA Loan	
(expended 24-28)	Budget	Funding	Issuance	
Non-Potable Waterline	\$ 22,540,000	\$ 22,539,000	19%	
Bellvue Pipeline Goldhill	\$ 22,065,000	\$ 22,065,000	18%	
Lead Service Line Replacement	\$ 16,572,000	\$ 16,572,000	14%	
Non-Potable Expansion Projects	\$ 15,073,000	\$15,073,000	12%	
Transmission Line Rehab – Bellvue #1 and #2 – Cache	\$ 9,037,000	\$ 9,037,000	7%	
Mosier Reservoir Rehab and Optm	\$ 8,800,000	\$ 8,800,000	7%	
Bellvue Residuals Gravity Thick.	\$ 8,107,000	\$ 8,107,000	7%	
Terry Ranch Water Development	\$ 37,590,000	\$7,518,000	6%	
Waterlines Extensions to O St	\$ 6,481,000	\$ 6,480,000	5%	
Bellvue 2mg Clear Well	\$ 5,813,000	\$ 5,467,000	4%	
	\$ 152,078,000	\$ 121,657,000		
2026 Issuance: \$7M	2 Year	Proposed	% of Bond	
(expended 26-27)	Project Budget	Bond Funding	Issuance	
Bellvue Intake Maintenance	\$ 8,255,000	\$ 7,000,000	100%	
	\$ 8,255,000	\$ 7,000,000		Continued →

2 Year	Proposed	% of Bond	
Project Budget	Bond Funding	Issuance	
\$ 20,394,000	\$ 16,000,000	100%	
\$ 20,394,000	\$ 16,000,000		
5 Year	Proposed	% of Bond	
Project Budget	Loan Funding	Issuance	
\$ 32,444,000	\$ 32,444,000	93%	
\$ 18,262,000	\$ 2,553,000	7%	
\$ 50,706,000	\$ 34,996,000		
2 Year	Proposed	% of Bond	
Project Budget	Bond Funding	Issuance	
\$ 23,454,000	\$ 19,000,000	100%	
\$ 23,454,000	\$ 19,000,000		
1 Year	Proposed	% of Bond	
Project Budget	Bond Funding	Issuance	
\$13,119,000	\$ 11,000,000	100%	
\$ 13,119,000	\$ 11,000,000		
\$ 302,630,000	\$ 242,653,000		
	Project Budget \$ 20,394,000 \$ 20,394,000 \$ Year Project Budget \$ 32,444,000 \$ 18,262,000 \$ 50,706,000 2 Year Project Budget \$ 23,454,000 \$ 23,454,000 \$ 1 Year Project Budget \$ 13,119,000 \$ 13,119,000	Project Budget Bond Funding \$ 20,394,000 \$ 16,000,000 \$ 20,394,000 \$ 16,000,000 \$ 7 ear Proposed Project Budget \$ 32,444,000 \$ 18,262,000 \$ 2,553,000 \$ 50,706,000 \$ 34,996,000 2 Year Proposed Project Budget \$ 19,000,000 \$ 23,454,000 \$ 19,000,000 \$ 19,000,000 \$ 19,000,000 \$ 13,119,000 \$ 11,000,000 \$ 13,119,000 \$ 11,000,000	Project Budget Bond Funding Issuance \$ 20,394,000 \$ 16,000,000 100% \$ 20,394,000 \$ 16,000,000 100% \$ 20,394,000 \$ 16,000,000 100% \$ Year Proposed % of Bond \$ 32,444,000 \$ 32,444,000 93% \$ 18,262,000 \$ 2,553,000 7% \$ 50,706,000 \$ 34,996,000 Issuance Project Budget Bond Funding Issuance \$ 23,454,000 \$ 19,000,000 100% \$ 23,454,000 \$ 19,000,000 100% \$ 13,119,000 \$ 11,000,000 100%

Projects Driving Future Debt - Sewer			
	2 Year	Proposed	% of Bond
2024 Issuance: \$50M (expended 24-25)	Project Budget	Bond Funding	Issuance
WTRF Treatment Phase II	\$ 43,282,000	\$ 43,000,00	90%
WTRF Additional Cake Hopper	\$ 2,642,000	\$ 2,500,000	5%
Highland Hills 47 th Ave Sewer Cap	\$ 2,550,000	\$ 2,500,000	5%
	\$ 48,474,000	\$ 48,000,000	
2026 Issuance: \$20M (expended 26-27)			
North Poudre RR Sewer Phase I	\$ 7,120,000	\$ 7,000,000	52%
WTRF Secondary Clarifier Upgrd.	\$ 6,376,000	\$ 6,000,000	44%
WTRF Secondary Digesters Rehab	\$ 2,170,000	\$ 500,000	4%
	\$ 15,666,000	\$ 13,500,000	
2028 Issuance: \$11M (expended 28-29)			
WTRF Blower Replcmnt. Phase 2	\$ 9,382,000	\$6,500,000	59%
Lift Station #9	\$ 7,815,000	\$ 4,500,000	41%
	\$ 17,197,000	\$ 11,000,000	
2033 Issuance: \$76.5M (expended 33)			
WTRF Reg. 31 Improvements	\$ 82,350,000	\$ 76,500,000	100%
	\$ 82,350,000	\$ 76,500,000	
Grand Total	\$ 163,687,000	\$ 149,000,000	







Water and Sewer Capital Program

2022 - 2026



Fund 422 Water New Construction

Terry Ranch Water Development

Project Number: 12640 Budget Year: 2024

Division: Water Capital Projects **Council Priority:** Sustainable Infrastructure & Mobility

Project Type:Water Construction SupplyRegions:5- Outside CityFund:Water ConstructionLocation:Carr, CO

Project Manager: Jim Paulson Budget Unit #: 4224401880070000000000

Project Status: Funded

Description:

The Terry Ranch Project will provide Greeley 1.2 million acre-feet of underground water supply and storage to meet the needs of the city's growing population. Greeley City Council approved the project purchase in March 2021. Construction of the project will occur over many decades, with the first phase to construct the 30-mile pipeline between the ranch and Greeley. The seller of the water and storage (Wingfoot) will partially fund construction of project infrastructure. Wingfoot will pay to the City \$125 million, with \$25 million at closing and \$100 million no sooner than 4 years after closing. Wingfoot pays 80% of the first \$78.125 million in project expenses, and 50% of the next \$125 million in expenses.

Discussion of Progress:

Steel and appurtenances have been contracted for section 1 which will get us up to highway 14 (6.6 miles). Construction for the first two pieces has been contracted. The final piece for Section 1 to get 1 mile beyond highway 14 has not yet been contracted. Contract is in place to get to final design of last piece of section 1 and 60% design for Section 2 (6-8 miles north of highway 14).

Land acquisition for Section 1 and 2 is still ongoing.

Justification:

This was one of the alternatives identified to the Milton Seaman Expansion project. It is less expensive and less risky than expanding Milton Seaman. The City finished the due diligence period to ensure the water is safe and that the project will meet Greeley's long term water resource needs. This generational project is the next step to secure Greeley's water future.

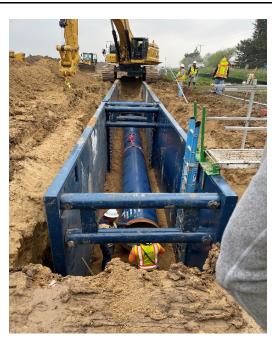
Revenue Detail:

No additional information

Impact on Operating Budget:

Operating budget expenditures will increase when the Terry Ranch Project is brought online, which is not currently anticipated for many years in the future.

		Previous 3		2023 Revised						
GL Account	Description	Years	2022 Actual	Budget	2024	2025	2026	2027	2028	Grand Total
Revenue										_
	Fund Balance	5,536,715	760,584	39,417,485	-	3,432,000	15,000	4,048,350	85,000	18,129,784
5788	Other Private Contribution	-	-	-	8,125,350	15,748,000	60,000	13,566,650	-	37,500,000
Total	Revenue	\$5,536,715	\$760,584	\$39,417,485	\$8,125,350	\$19,180,000	\$75,000	\$17,615,000	\$85,000	\$55,629,784
Expense										_
8202	Construction	-	-	29,130,890	-	17,000,000	-	15,500,000	-	33,130,890
8204	Contingency	-	-	1,393,474	-	1,000,000	-	1,000,000	-	3,993,474
8212	Land/Building Cost/Demolition	382,571	-	3,782,256	-	-	-	-	-	4,164,827
8226	Permits, Fees, Etc	37,368	-	39,178	20,000	75,000	-	75,000	-	246,546
8229	Professional Services	4,262,348	694,386	4,656,687	500,000	800,000	-	800,000	-	11,713,421
8232	Project Management	847,397	-	-	-	-	-	-	-	847,397
8233	Project Management - Benefits	3,500	-	-	-	-	-	-	-	3,500
8235	Real Estate - Internal Chgs Only	1,712	66,199	-	50,000	50,000	-	-	-	167,911
9303	Public Art Fund	-	-	340,000	-	170,000	-	155,000	-	665,000
Total	Expense	\$5,536,715	\$760,584	\$39,417,485	\$635,000	\$19,180,000	\$75,000	\$17,615,000	\$85,000	\$55,629,784
Net Total		-	-	-	\$7,490,350	-	-	-	-	-



Ogilvy Bypass Structure

Project Number: 12740 Budget Year: 2024

Division: Water Capital Projects **Council Priority:** Sustainable Infrastructure & Mobility

Project Type: Water Construction Supply **Regions:** 5- Outside City

Fund: Water Construction Location: 40.42275787419099, -104.67016300266398

Project Manager: Alex Tennant Budget Unit #: 4224401890040000000000

Project Status: Funded

Description:

This bypass is a structure that measures flows past the Ogilvy ditch headgate located at their lone tree feeder canal and is required by the State to allow credits that we receive from wholly consumable supplies treated at Greeley's wastewater treatment plant and Leprino's wastewater treatment plant to be used for return flow obligations and augmentation obligations that Greeley has downstream on the South Platte.

Discussion of Progress:

The City has hired an engineer to design the new bypass. Design is scheduled to be completed in 2023. Met with DNR, Ditesco, and JBS to discuss.

Justification:

This need arose a couple of months ago when the Colorado State Engineer's Office informed us that the water we were releasing from these two wastewater treatment plants was not making it downstream when the Ogilvy ditch Lone Tree Creek diversion was in priority. Per state law, if we need this water to flow past a diversion for Greeley obligations it needs to be bypassed and measured.

		Previous 3		2023 Revised						
GL Account	Description	Years	2022 Actual	Budget	2024	2025	2026	2027	2028	Grand Total
Revenue										
	Fund Balance	-	-	200,000	968,000	-	-		-	- 1,168,000
Total Revenue		-	-	\$200,000	\$968,000	-	-		-	- \$1,168,000
Expense										_
8202	Construction	-	-	150,000	800,000	-	-		-	950,000
8204	Contingency	-	-	-	120,000	-	-		-	- 120,000
8229	Professional Services	-	-	50,000	20,000	-	-		-	- 70,000
8232	Project Management - Labor	-	-	-	20,000	-	-		-	- 20,000
9303	Public Art Fund	-	-	-	8,000	-	-		-	- 8,000
Total I	Expense	-	-	\$200,000	\$968,000	-	-		-	- \$1,168,000
Net Total		-	-	-	-	-	-		-	



Centennial Park Non-Potable Pump Station

Project Number: 422New3 Budget Year: 2024

Division: Water Capital Projects **Council Priority:** Sustainable Infrastructure & Mobility

Project Type: Water Construction Supply Regions:

Fund: Water Construction Location: 2503 Reservoir Rd, Greeley, CO 80634

Project Manager: Unassigned Budget Unit #: Unassigned

Project Status: Funded

Description:

Construct non-potable pump statoin to serve Centennial Park and convert properties on the east side of 23rd Avenue and south of Reservoir Road.

Discussion of Progress:

Design in 2023 with construction planned for 2026.

Justification:

This is a regional irrigation pump station that will expand non-potable water irrigation and reduce potable water irrigation and demand. Converting from potable to non-potable water irrigation reduces the demand on the WTPs and costs of treating the water. Project is saving some funds by making use of one of the treated water reservoirs at the site taken out of service in 2022.

We are tagging the "Sustainable Infrastructure and Mobility" council priority, however because of the pump station's direct service to Centennial Park, the project also impacts the "Quality of Life" council priority.

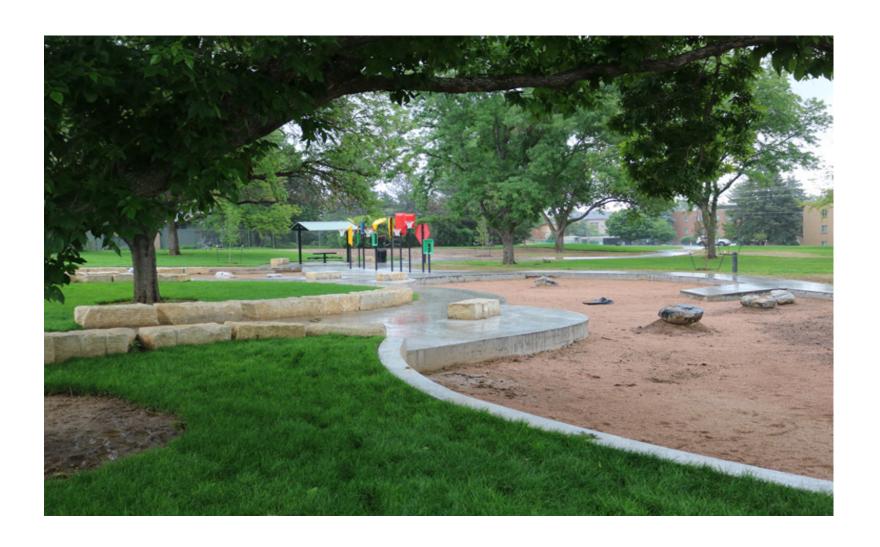
Revenue Detail:

No additional information

Impact on Operating Budget:

Each new pump station will add approximately \$25,000/year in operating costs mainly power costs.

		Previous 3		2023 Revised						
GL Account	Description	Years	2022 Actual	Budget	2024	2025	2026	2027	2028	Grand Total
Revenue										_
	Fund Balance	-	-	-		-	- 2,599,000) -		2,599,000
Total	Revenue	-	-	-		-	- \$2,599,000) -		\$2,599,000
Expense										
8202	Construction	-	-	-		-	- 2,073,000) -		2,073,000
8204	Contingency	-	-	-		-	- 311,000) -		311,000
8229	Professional Services	-	-	-		-	- 121,000) -		121,000
8232	Project Management - Labor	-	-	-		-	- 40,000) -		40,000
8242	Utility Services	-	-	-		-	- 33,000) -		33,000
9303	Public Art Fund	-	-	-		-	- 21,000) -		21,000
Total	Expense	-	-	-		-	- \$2,599,000) -		\$2,599,000
Net Total		-	-	-		-	-			-



Greeley West Pump Station Expansion

Project Number: 422New4 Budget Year: 2024

Division: Water Capital Projects **Council Priority:** Sustainable Infrastructure & Mobility

Project Type: Water Construction Supply Regions:

Fund: Water Construction Location: Greeley West Park, 24th St and 38th Ave

Project Manager: Unassigned Budget Unit #: Unassigned

Project Status: Funded

Description:

The pump station is used to irrigate Greeley West Park. This pump station expansion will serve to expand the non-pot system north and south of the park to connect to new and recent development in the area. Expansion of the non-potable system to new customers reduces the demand for treated water.

Discussion of Progress:

The pump station design will be completed in 2023 with construction planned for 2024.

Justification:

The existing pump station is nearly 20 years old and the 2021 Master Plan scheduled this pump station as a regional pump station to serve properties to the north and south, both conversion and new development. Non-pot distribution has been installed to serve new development south of the park. Potable water is being used until the pump station is expanded.

Revenue Detail:

No additional information

Impact on Operating Budget:

The operational costs of the current pump station will increase by approximately a factor of 2. Estimated at \$11,000.

		Previous 3		2023 Revised						
GL Account	Description	Years	2022 Actual	Budget	2024	2025	2026	2027	2028	Grand Total
Revenue										
	Fund Balance	-	-	-	3,036,000	-	-		-	- 3,036,000
Total	Revenue	-	-	-	\$3,036,000	-	-		-	- \$3,036,000
Expense										
8202	Construction	-	-	-	2,462,000	-	-		-	- 2,462,000
8204	Contingency	-	-	-	369,000	-	-		-	- 369,000
8229	Professional Services	-	-	-	115,000	-	-		-	- 115,000
8232	Project Management - Labor	-	-	-	34,000	-	-		-	- 34,000
8242	Utility Services	-	-	-	32,000	-	-		-	- 32,000
9303	Public Art Fund	-	-	-	24,000	-	-		-	- 24,000
Total	Expense	-	-	-	\$3,036,000	-	-		-	- \$3,036,000
Net Total		-	-		-	=	-		-	



Poudre Ponds Redevelopment Pond C

Funded

Project Number: N739 Budget Year: 2024

Division: Water Capital Projects **Council Priority:** Sustainable Infrastructure & Mobility

Project Type: Water Construction Supply Regions: 4 - 10 St North/23 Ave West

Fund: Water Construction **Location:** 35th Ave. North of F St. Poudre Ponds.

Project Manager: Ryan Duve Budget Unit #: 422New1

Project Status: Description:

Update final design of the Poudre Ponds site to provide a Natural Area public amenity that can be enjoyed by City residents for recreational purposes. Complete final grading and other improvements based on final design and get released from the DRMS mining permit. This work will include the filling Pond C which the City is having to augment due to evaporative losses.

Discussion of Progress:

The Pond B slurry wall was completed in 2021. Pond B is being actively mined to increase storage and provide final grading within the pond. The mining company has until the end of 2025 to complete the mining and final grading. Final site design will be completed in 2025 and construction commencing in 2026.

Justification:

Pond B cannot be placed in operation until final grading is completed and leak tested. The City is paying for augmenting Pond C. Filling Pond C will end this payment. This is a high priority project for City Council.

		Previous 3		2023 Revised						
GL Account	Description	Years	2022 Actual	Budget	2024	2025	2026	2027	2028	Grand Total
Revenue										
	Fund Balance	-	-	-	30,000	115,600	2,816,250	2,800,000	-	5,761,850
Total I	Revenue	-	-	-	\$30,000	\$115,600	\$2,816,250	\$2,800,000	-	\$5,761,850
Expense										
8202	Construction	-	-	-	-	-	2,500,000	2,500,000	-	5,000,000
8204	Contingency	-	-	-	-	-	250,000	250,000	-	500,000
8229	Professional Services	-	-	-	25,000	100,000	25,000	25,000	-	175,000
8232	Project Management - Labor	-	-	-	5,000	15,600	16,250	-	-	36,850
8242	Utility Services	-	-	-	-	-	25,000	25,000	-	50,000
Total	Expense	-	-	-	\$30,000	\$115,600	\$2,816,250	\$2,800,000	-	\$5,761,850
Net Total		-	-	-	-	-	-	-	-	-



Figure 4.6. Option 2 Site Layout

Windy Gap Firming

Project Number: 12676 Budget Year: 2024

Division: Water Capital Projects **Council Priority:** Sustainable Infrastructure & Mobility

Project Type: Water Construction Supply Regions: 5- Outside City

Fund:Water ConstructionLocation:Chimney Hollow ReservoirProject Manager:Leah HubbardBudget Unit #:4224401880070000000000

Project Status: Funded

Description:

The project will fund the Northern Water's Windy Gap Firming Project (WGFP) which is expected to deliver a firm annual yield of 3,000 acre-feet, important to Greeley's long-term water supply.

Discussion of Progress:

Construction is ongoing and on time. Completion is planned for 2025 with the reservoir becoming productive in 2029. More information is available form Northern Water here: https://www.northernwater.org/CHRP/news

Justification:

Due to storage limitations within the Colorado Big Thompson (C-BT) and other factors, Windy Gap owners haven't been able to rely on Windy Gap to meet a portion of their current water needs or future requirements. The Windy Gap Firming project is proposed to improve the yield of water deliveries from the existing Windy Gap project to participating Windy Gap owners.

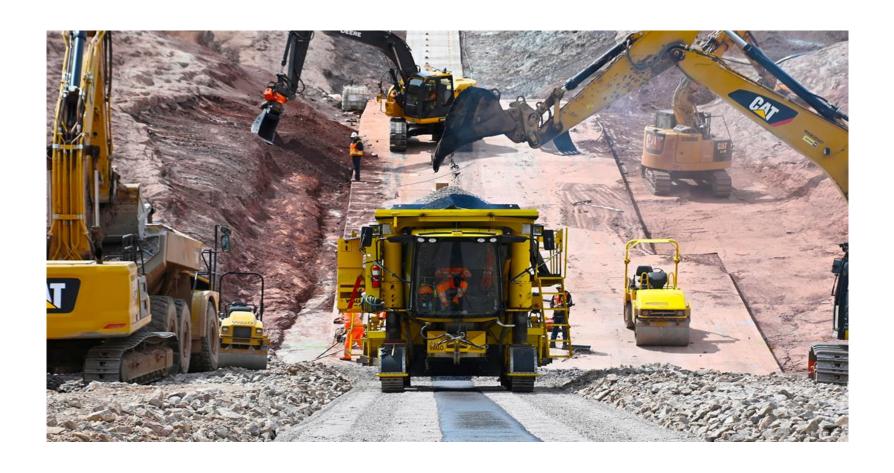
Revenue Detail:

No additional information

Impact on Operating Budget:

Water resource assessments will go up an unknown amount once the project is built and Northern Water starts assessing Greeley for its upkeep and operation.

		Previous 3		2023 Revised						
GL Account	Description	Years	2022 Actual	Budget	2024	2025	2026	2027	2028	Grand Total
Revenue										
	Fund Balance	2,133,717	-	515,000		- 515,000	-	-		- 3,163,717
Total	Revenue	\$2,133,717	-	\$515,000		- \$515,000	-	-		- \$3,163,717
Expense										
8212	Land/Building Cost/Demolition	167,911	-	-			-	-		- 167,911
8226	Permits, Fees, Etc	17,192	-	-			-	-		- 17,192
8229	Professional Services	1,557,130	-	515,000		- 515,000	-	-		- 2,587,130
8232	Project Management	389,859	-	-			-	-		- 389,859
8235	Real Estate - Internal Chgs Only	788	-	-			-	-		- 788
Total	Expense	\$2,133,717	-	\$515,000		- \$515,000	-	-		- \$3,163,717
Net Total		-	-	-			-	-		



Non-Potable Expansion Project

Project Number: 12584 Budget Year: 2024

Division: Water Capital Projects **Council Priority:** Sustainable Infrastructure & Mobility

Project Type:Water Construction SupplyRegions:0 - All WardsFund:Water ConstructionLocation:Citywide

Project Status: Funded

Description:

This item funds City initiated CIP non-potable system expansion projects and oversizing reimbursement of new regional non-potable pump stations that new developments are required to construct in accordance with City development policies.

Discussion of Progress:

The budget is based on specific projects by both the City and developers up to year 2028. Afterwards, the budget reflects system expansion for conversions.

Anticipate the following construction schedule: 2024: Monfort NPPS Distribution System Expansion with 47th Ave. Sewer Project and 29th St Multifamily NPPS Reimbursement. 2025: Cobblestone NPPS Reimbursement. 2026: Converting Ashton Estates from potable to non-potable irrigation and Village Coop project converting potable to non-potable within Citycenter. 2027: Promontory Park Expansion and Twin Rivers Expansion. 2028: SA-38 1st Ave Pond.

Justification:

Expanding the City's non-potable system has been identified as a critical goal in meeting Greeley's future water demands. Funding this item provides funds to expand the non-potable system to use non-potable water for irrigating new developments and converting existing systems from potable to non-potable irrigation.

Revenue Detail:

No additional information

Impact on Operating Budget:

Each new pump station will add approximately \$25,000/year in operating costs mainly power costs.

		Previous 3		2023 Revised							
GL Account	Description	Years	2022 Actual	Budget	2024	2025	2026	2027	2028	Future	Grand Total
Revenue											
	Fund Balance	317,264	-	6,510,000	2,092,000	2,215,000	2,672,000	3,622,000	4,472,000	3,592,500	25,492,764
Total	Revenue	\$317,264	-	\$6,510,000	\$2,092,000	\$2,215,000	\$2,672,000	\$3,622,000	\$4,472,000	\$3,592,500	\$25,492,764
Expense				-						•	-
8202	Construction	215,363	-	5,288,000	1,759,000	1,876,000	2,083,000	2,492,000	3,458,000	2,500,000	19,671,363
8204	Contingency	-	-	416,000	253,000	282,000	208,000	563,000	417,000	375,000	2,514,000
8229	Professional Services	21,529	-	626,000	24,000	-	282,000	459,000	479,000	431,250	2,322,779
8232	Project Management	59,647	-	-	-	-	-	-	-	-	59,647
8235	Real Estate - Internal Chgs Only	-	-	-	-	-	16,000	-	-	-	16,000
8242	Utility Services	-	-	46,000	-	-	-	-	35,000	175,000	256,000
9303	Public Art Fund	10,000	-	29,000	18,000	20,000	21,000	25,000	30,000	25,000	178,000
Total	Expense	\$317,264	-	\$6,510,000	\$2,092,000	\$2,215,000	\$2,672,000	\$3,622,000	\$4,472,000	\$3,592,500	\$25,492,764
Net Total		-	-	-	-	-	-	-	-	-	-



35th Ave Non-Potable Waterline

Project Number: 12454 Budget Year: 2024

Division: Water Capital Projects **Council Priority:** Sustainable Infrastructure & Mobility

Project Type:Water Construction Transmission & DistributionRegions:4 - 10 St North/23 Ave WestFund:Water ConstructionLocation:35th Ave at Poudre PondsProject Manager:Adam PriorBudget Unit #:4224401890120000000000

Project Status: Funded

Description:

This is phase two to install a 24" non-potable pipe as part of the 35th Avenue Street Widening project by Public Works. This will avoid street cuts and a higher cost in the future. The pipeline is in accordance with the non-potable master plan.

Discussion of Progress:

Phase 1, from the GIC Ditch #3 north to the railroad tracks, will be completed in 2021. Phase 2, from the railroad tracks north to the Poudre Ponds pump station, will be constructed with 35th Avenue improvements.

Justification:

The pipeline is in accordance with the non-potable master plan to pump water from the Poudre Ponds to the GIC #3 and enhance future augmentation. The line will also be able to gravity flow water from the GIC #3 to the Poudre Ponds.

		Previous 3		2023 Revised							
GL Account	Description	Years	2022 Actual	Budget	2024	202	5	2026	2027	2028	Grand Total
Revenue											
	Fund Balance	1,075,606	72,820	690,848		-	-	2,107,876	-		3,947,150
Total I	Revenue	\$1,075,606	\$72,820	\$690,848		-	-	\$2,107,876	-		\$3,947,150
Expense											
8202	Construction	1,026,067	60,565	682,603		-	-	1,859,852	-		3,629,087
8204	Contingency	1,900	-	-		-	-	181,125	-		183,025
8229	Professional Services	19,104	12,255	8,245		-	-	-	-		39,604
8232	Project Management	14,953	-	-		-	-	-	-		14,953
9303	Public Art Fund	-	-	-		-	-	18,599	-		18,599
Total	Expense	\$1,075,606	\$72,820	\$690,848		-	-	\$2,107,876	-		\$3,947,150
Net Total	_	-	-	-		-	-	-	-		-



35th Avenue F to O Street

Project Number: 12457 Budget Year: 2024

Division: Water Capital Projects **Council Priority:** Sustainable Infrastructure & Mobility

Project Type: Water Construction Transmission & Distribution Regions:

Fund:Water ConstructionLocation:35th Ave between F and O StreetsProject Manager:Rebecca AndrusBudget Unit #:4224401880050000000000

Project Status: Funded

Description:

This project is for water pipeline to be installed in advance of City and County roadway projects along 35th Avenue. This will be constructed in 2026 and will be approximately 4,000 linear feet of 20" pipeline.

Discussion of Progress:

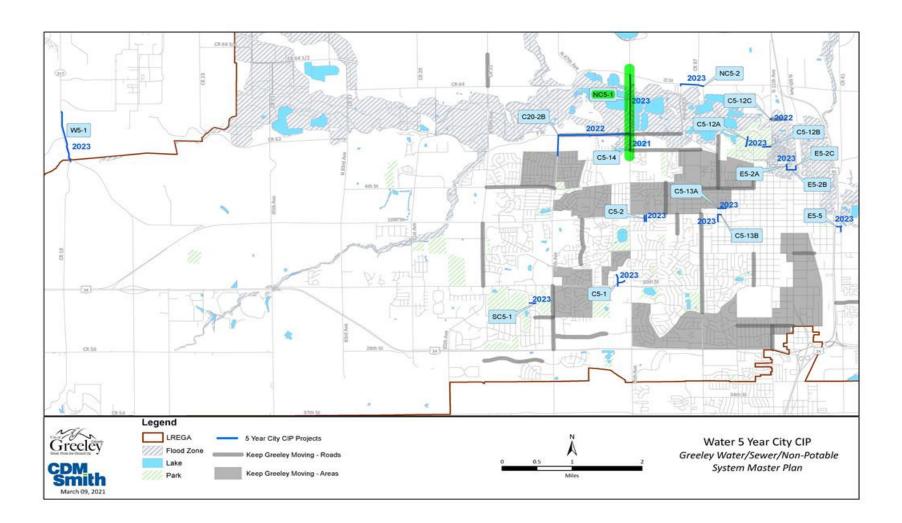
Design is planned for 2025 and construction in 2026 to match roadway construction planned by Public Works.

Justification:

Installing this pipeline at this time will avoid future conflict with the 35th Avenue Roadway project, save money, and reduce impacts to residents.

Waterline needs to be installed before paving.

		Previous 3		2023 Revised						
GL Account	Description	Years	2022 Actual	Budget	2024	2025	2026	2027	2028	Grand Total
Revenue										
	Fund Balance	647,007	-	167,941		- 115,000	2,817,100	-		- 3,747,048
Total	Revenue	\$647,007		\$167,941		- \$115,000	\$2,817,100	-		- \$3,747,048
Expense										
8202	Construction	602,303	-	165,349			2,210,000	-		- 2,977,652
8204	Contingency	834	-	2,592			360,000	-		- 363,426
8212	Land/Building Cost/Demolition	14,175	-	-			-	-		- 14,175
8229	Professional Services	3,573	-	-		- 100,000	200,000	-		- 303,573
8232	Project Management	23,762	-	-			-	-		- 23,762
9303	Public Art Fund	-	-	-			22,100	-		- 22,100
Total	Expense	\$647,007	-	\$167,941		- \$115,000	\$2,817,100	-		- \$3,747,048
Net Total		-	-	-			-	-		



F St & 47th Ave Waterlines

Project Number: 12537 Budget Year: 2024

Division: Water Capital Projects **Council Priority:** Sustainable Infrastructure & Mobility

Project Type:Water Construction Transmission & DistributionRegions:4 - 10 St North/23 Ave WestFund:Water ConstructionLocation:F St & 47th Ave, Greeley CO 80631

Project Manager: Rebecca Andrus Budget Unit #: 4224401880050000000000

Project Status: Funded

Description:

Install 7,000 feet of 12", 16" and 20" Waterline along 47th Ave from C St to F St and then along F St to 35th Ave. Installation of these pipes identified in the Water Distribution MP, will be required to serve the proposed City operations facilities for W&S, CPRD, and PW, and will provide improved system service and reliability. These installations will also take place before paving projects in this area. Connection to Lowell Property.

Discussion of Progress:

Desing in 2023 with construction in 2026.

Justification:

Connect distribution grid prior to new street construction and provide water and fire protection to new service center.

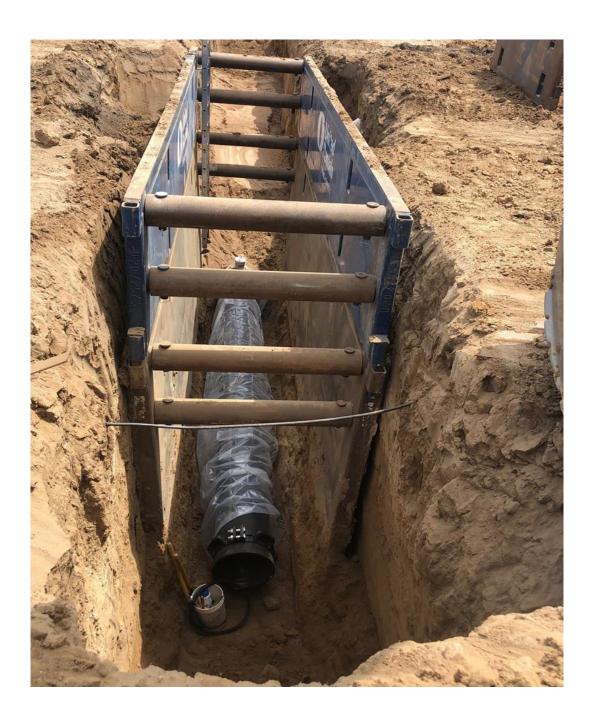
Revenue Detail:

No additional information

Impact on Operating Budget:

New pipe will add to length of total pipe and will cause an incremental increase in the operational cost of the water system including future rehab or replacement costs.

		Previous 3		2023 Revised						
GL Account	Description	Years	2022 Actual	Budget	2024	2025	2026	2027	2028	Grand Total
Revenue										
	Fund Balance	-	-	1,180,000	-	-	4,160,081	-		- 5,340,081
Total I	Revenue	-	-	\$1,180,000	-	-	\$4,160,081	-		- \$5,340,081
Expense				-						-
8202	Construction	-	-	-	-	-	3,500,080	-		- 3,500,080
8204	Contingency	-	-	-	-	-	300,000	-		- 300,000
8212	Land/Building Cost/Demolition	-	-	300,000	-	-	-	-		- 300,000
8226	Permits, Fees, Etc	-	-	100,000	-	-	-	-		- 100,000
8229	Professional Services	-	-	740,000	-	-	300,000	-		- 1,040,000
8232	Project Management - Labor	-	-	30,000	-	-	25,000	-		- 55,000
8235	Real Estate - Internal Chgs Only	-	-	10,000	-	-	-	-		- 10,000
9303	Public Art Fund	-	-	-	-	-	35,001	-		- 35,001
Total	Expense	-	-	\$1,180,000	-	-	\$4,160,081	-		- \$5,340,081
Net Total		-	-	-	-	-	-	-		



Non-Potable Waterline

Project Number: 12587 Budget Year: 2024

Division: Water Capital Projects **Council Priority:** Sustainable Infrastructure & Mobility

Project Type:Water Construction Transmission & DistributionRegions:4 - 10 St North/23 Ave WestFund:Water ConstructionLocation:40.440444, -104.811506Project Manager:Ryan DuveBudget Unit #:4224401890120000000000

Project Status: Funded

Description:

This overall non-potable project will construct new infrastructure to deliver water from the Poudre River to the Greeley-Loveland Irrigation Company ditch, and will secure options to purchase existing or potential gravel pits on the Lower Poudre near Greeley. This portion of the project is in the 83rd Avenue alignment. 2022 costs reflect initial conceptual design + full design of the portion being constructed in 2024 in-line with Public Works' road improvements in the area. Full construction in 26/27. Costs for 24 coincide with Public Works roadway work.

Discussion of Progress:

Construction to start in 2026.

Justification:

This non-potable Project will exchange reusable wastewater effluent into the gravel pits along with junior water storage rights in gravel pit reservoirs that can then be pumped back to the GLIC system for non-potable irrigation, or released to provide support for non-potable irrigation, exchanges, and augmentation.

		Previous 3		2023 Revised						
GL Account	Description	Years	2022 Actual	Budget	2024	2025	2026	2027	2028	Grand Total
Revenue										_
	Fund Balance	-	-	563,985	10,000	10,000	1,728,500	7,984,495	12,806,557	23,103,537
Total I	Revenue	-	-	\$563,985	\$10,000	\$10,000	\$1,728,500	\$7,984,495	\$12,806,557	\$23,103,537
Expense										
8202	Construction	-	-	-	-	-	1,350,000	6,954,500	11,298,700	19,603,200
8204	Contingency	-	-	-	-	-	135,000	695,450	1,129,870	1,960,320
8226	Permits, Fees, Etc	-	-	-	-	-	50,000	75,000	75,000	200,000
8229	Professional Services	-	-	563,985	-	-	150,000	150,000	150,000	1,013,985
8232	Project Management - Labor	-	-	-	10,000	10,000	30,000	40,000	40,000	130,000
9303	Public Art Fund	-	-	-	-	-	13,500	69,545	112,987	196,032
Total	Expense	-	=	\$563,985	\$10,000	\$10,000	\$1,728,500	\$7,984,495	\$12,806,557	\$23,103,537
Net Total		-	-	-	-	-	-	-	-	-



Fixed Network for Badger Meters and SCADA

Project Number: 422New1 Budget Year: 2024

Division: Water Capital Projects **Council Priority:** Sustainable Infrastructure & Mobility

Project Type: Water Construction Transmission & **Regions:**

Fund:Water ConstructionLocation:CitywideProject Manager:UnassignedBudget Unit #:Unassigned

Project Status: Funded

Description:

Fixed network for communication with the Badger Meters installed for customers and to support System Control and Data Acquisition (SCADA) devices in the water and sewer system.

Discussion of Progress:

Planned for 2031. SCADA Master Plan project in progress in 2023 is expected to provide guidance on the cost of a city owned fixed network and assess the extent of the need and return on investment.

Justification:

The current badger flow meters data is communicated over LTE and we pay a monthly fee to a wireless company to communicate data back to our Badger software. The cost for all meters to be on LTE service is roughly \$330,000 per year and this doesn't include and yearly increases by the wireless company. We would install a new fixed network that would be use by SCADA and meters.

Impact on Operating Budget:

Decrease of service charges for Badger Meters.

		Previous 3		2023 Revised								
GL Account	Description	Years	2022 Actual	Budget	2024	2025	2026		2027	2028	Future	Grand Total
Revenue												
	Fund Balance			-	-		-	-	-	-	2,000,000	2,000,000
Total	Revenue			-	-		-	-	-	=	\$2,000,000	\$2,000,000
Expense												_
8202	Construction			-	-		-	-	-	-	1,500,000	1,500,000
8204	Contingency			-	-		-	-	-	-	100,000	100,000
8208	Furniture, Fixtures & Equipment			-	-		-	-	-	-	150,000	150,000
8226	Permits, Fees, Etc			-	-		-	-	-	-	50,000	50,000
8229	Professional Services		-	-	-		-	-	-	-	200,000	200,000
Total	Expense			-	-		-	-	-	-	\$2,000,000	\$2,000,000
Net Total				-	-		-	-	-	-	-	-



Bulk Water Stations

Project Number: 422New2 Budget Year: 2024

Division: Water Capital Projects **Council Priority:** Sustainable Infrastructure & Mobility

Project Type: Water Construction Transmission & Distribution Regions:

Fund:Water ConstructionLocation:CitywideProject Manager:UnassignedBudget Unit #:Unassigned

Project Status: Funded

Description:

Project is for the installation of three new bulk water stations. Bulk water stations sell water to construction, drilling, landscaping, and city owned vehicles with large reservoir tanks. They are an alternative to Fire Hydrant Meters and provide a number of advantages, especially backflow protection and erosion control. Project is coordinated with Stormwater for integration of the station drainage with the city stormwater system and incorporation of other assets stormwater needs.

Discussion of Progress:

Two existing bulk water stations are proving significant revenue generators, construction for three more stations is planned for 2024.

Justification:

Bulk water stations are proving a major revenue source (the two existing stations have netted XX in 2022). The water stations provide flushing capacity to the distribution system eliminating some wastage of water for flushing and include backflow prevention and erosion control issues with fire hydrant meters. For their cost we expect a ROI of less than two years for each station. Proposal is for a total of five stations in the city with a bulk water customer no more than 15 minutes from a fill station.

Revenue Detail:

Two existing bulk water stations are significant revenue sources.

Impact on Operating Budget:

Bulk water stations reduce flushing costs, water loses due to flushing, and reduce the likelihood of water quality concerns.

GL Account	Description	Previous 3 Years	2022 Actual	2023 Revised Budget	2024	2025	2026	2027	2028	Grand Total
Revenue										
	Fund Balance	-		-	375,000	-	-	-		375,000
Total I	Revenue	-	-	-	\$375,000	-	-	-	-	\$375,000
Expense				-						•
8202	Construction	-	· -	-	300,000	-	-	-	-	300,000
8229	Professional Services	-	-	-	75,000	-	-	-	-	75,000
Total I	Expense	-	-	-	\$375,000	-	-	-	-	\$375,000
Net Total		-	-	-	-	=	-	=	-	



Water System Expansion for North Greeley

Project Number: 422New5 Budget Year: 2024

Division: Water Capital Projects **Council Priority:** Sustainable Infrastructure & Mobility

Project Type: Water Construction Transmission & **Regions:**

Fund:Water ConstructionLocation:North GreeleyProject Manager:UnassignedBudget Unit #:UnassignedProject Status:Funded

Description:

This project is for master planned water pipelines to be installed in advance of development for all areas of North Greeley. It is planned to install new large (16"-24") distribution mains from the existing system to O St. The starting construction work would begin in 2026 with 71st Ave, then 59th Ave in 2028, 83rd Ave in 2030, 25th Ave in 2032, and 95th in 2034. This project is necessary to allow for development of Greeley in the growth region North of the Poudre River.

Discussion of Progress:

Design is planned for 2025 with construction of the first phase in 2026. Future phases will make use of the initial design for some cost savings. Project planned for completion in 2034 with updates to project schedule and budget planned in future years.

Justification:

Installing this pipeline at this time will allow future development in North Greeley, these areas along the Poudre are typically owned by Greeley or are located in the floodplain which will inhibit development.

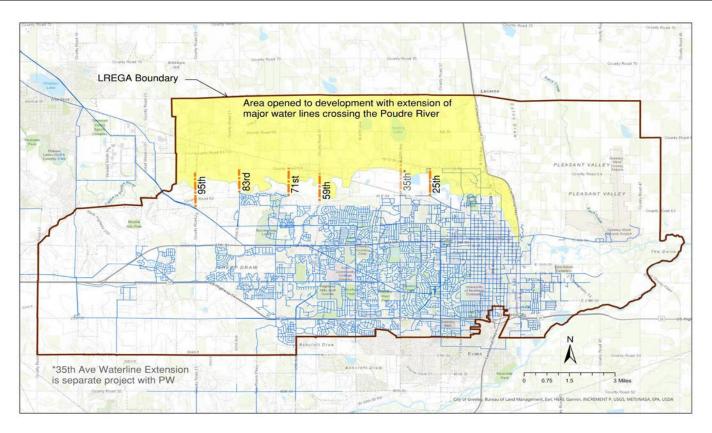
Revenue Detail:

Will allow for new customers to be added to the system in North Greeley.

Impact on Operating Budget:

This project will increase the overall length of pipe in the water system and will increase operations, maintenance, and replacement costs.

		Previous 3		2023 Revised							
GL Account	Description	Years	2022 Actual	Budget	2024	2025	2026	2027	2028	Future	Grand Total
Revenue											
	Fund Balance	-	-	-		- 655,000	2,454,000	130,000	3,241,800	5,070,000	11,550,800
Total I	Revenue	-	-	-		- \$655,000	\$2,454,000	\$130,000	\$3,241,800	\$5,070,000	\$11,550,800
Expense				-							-
8202	Construction	-	-	-			2,400,000	-	3,180,000	4,500,000	10,080,000
8212	Land/Building Cost/Demolition	-	-	-		- 25,000	-	-	-	75,000	100,000
8229	Professional Services	-	-	-		- 600,000	-	100,000	-	300,000	1,000,000
8232	Project Management - Labor	-	-	-		- 20,000	20,000	20,000	20,000	100,000	180,000
8235	Real Estate - Internal Chgs	-	-	-		- 10,000	10,000	10,000	10,000	50,000	90,000
9303	Public Art Fund	-	-	-			24,000	-	31,800	45,000	100,800
Total	Expense	-	-	-		- \$655,000	\$2,454,000	\$130,000	\$3,241,800	\$5,070,000	\$11,550,800
Net Total		-	-	-			-	-	-	-	-



C St Waterline Extension

Project Number: 422New6 Budget Year: 2024

Division: Water Capital Projects **Council Priority:** Sustainable Infrastructure & Mobility

Project Type: Water Construction Transmission & Distribution Regions:

Fund:Water ConstructionLocation:CitywideProject Manager:UnassignedBudget Unit #:Unassigned

Project Status: Funded

Description:

This is the extension of water line along C St from 66th Ave to 59th Ave to connect the waterline to facilitate connectivity, improved water quality, and fire flows. This is 1000' of new 12" waterline with crossing of Sheep Draw.

Discussion of Progress:

Construction planned for 2026.

Justification:

This project is aligned with PW for the extension of C St with their phase 1 and 2 and will improve water quality and fire flows for the water distribution system.

		Previous 3		2023 Revised						
GL Account	Description	Years	2022 Actual	Budget	2024	2025	2026	2027	2028	Grand Total
Revenue										
	Fund Balance	-	-	-	-		- 426,250	-		- 426,250
Total	Revenue	-	-	-	-		- \$426,250	-		- \$426,250
Expense										
8202	Construction	-	-	-	-		- 375,000	-		- 375,000
8204	Contingency	-	-	-	-		- 37,500	-		- 37,500
8232	Project Management - Labor	-	-	-	-		- 10,000	-		- 10,000
9303	Public Art Fund	-	-	-	-		- 3,750	-		- 3,750
Total	Expense	-	-	-	-		- \$426,250	-		- \$426,250
Net Total		-	-	-	-			-		-



71st - 83rd Non-Potable Pump Station and Pipeline

Project Number: N667 Budget Year: 2024

Division: WATER GENERAL MANAGEMENT **Council Priority:** Sustainable Infrastructure & Mobility

Project Type:Water Construction Transmission & Regions:4 - 10 St North/23 Ave WestFund:Water ConstructionLocation:40.441337, -104.787960

Project Manager: Ryan Duve Budget Unit #: Unassigned

Project Status: Funded

Description:

This project will construct a new pump station to pump water from the Poudre River to the Greeley-Loveland Irrigation Company ditch, and will secure options to purchase existing or potential gravel pits on the Lower Poudre near Greeley. The project will exchange reusable wastewater effluent into the gravel pits along with junior water storage rights in gravel pit reservoirs that can then be pumped back to the GLIC system for non-potable irrigation, or released to provide support for non-potable irrigation, exchanges, and augmentation. The pipeline needed to convey the pumped water is a separate project (Project Number 12587).

Discussion of Progress:

Planning to start in 2029 with construction starting in 2030.

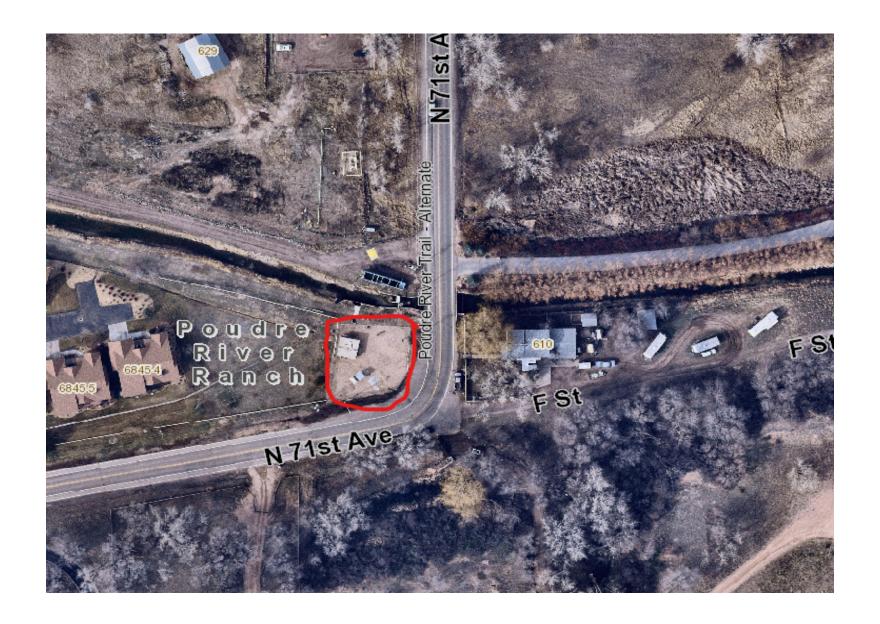
Justification:

This non-potable Project will exchange reusable wastewater effluent into the gravel pits along with junior water storage rights in gravel pit reservoirs that can then be pumped back to the GLIC system for non-potable irrigation, or released to provide support for non-potable irrigation, exchanges, and augmentation.

Impact on Operating Budget:

Estimate \$100,000/year in electrical costs.

		Previous 3		2023 Revised								
GL Account	Description	Years	2022 Actual	Budget	2024	2025		2026	2027	2028	Future	Grand Total
Revenue												
	Fund Balance			-		-	-	-	-	-	6,669,102	6,669,102
Total	Revenue			-		-	-	-	-	-	\$6,669,102	\$6,669,102
Expense												
8202	Construction			-		-	-	-	-	-	5,107,299	5,107,299
8204	Contingency			-		-	-	-	-	-	510,730	510,730
8229	Professional Services			-		-	-	-	-	-	500,000	500,000
8242	Utility Services			-		-	-	-	-	-	500,000	500,000
9303	Public Art Fund			-		-	-	-	-	-	51,073	51,073
Total	Expense			-		-	-	-	-	-	\$6,669,102	\$6,669,102
Net Total				-		-	-	-	-	-	-	-



O St Waterline Extension 23rd-25th

Project Number: N730 Budget Year: 2024

Division: Water Capital Projects **Council Priority:** Sustainable Infrastructure & Mobility

Project Type: Water Construction Transmission & Distribution **Regions:** 5- Outside City

Fund: Water Construction Location: O St 23rd-25th Ave, Greeley CO 80631

Project Manager: Keri Fishlock Budget Unit #: 422New2

Project Status: Funded

Description:

Install 16" Waterline along "O" Street between 23rd and 25th Avenues. This project is driven by Public Works street improvements along O St. Risks associated with the project: Public Works cancelling the street improvements along O St and the waterline not needed, risk of pipe damage by road construction equipment after pipe installed.

Discussion of Progress:

Working with contractor to develop alignment and determine ROW. Project planned for 2024.

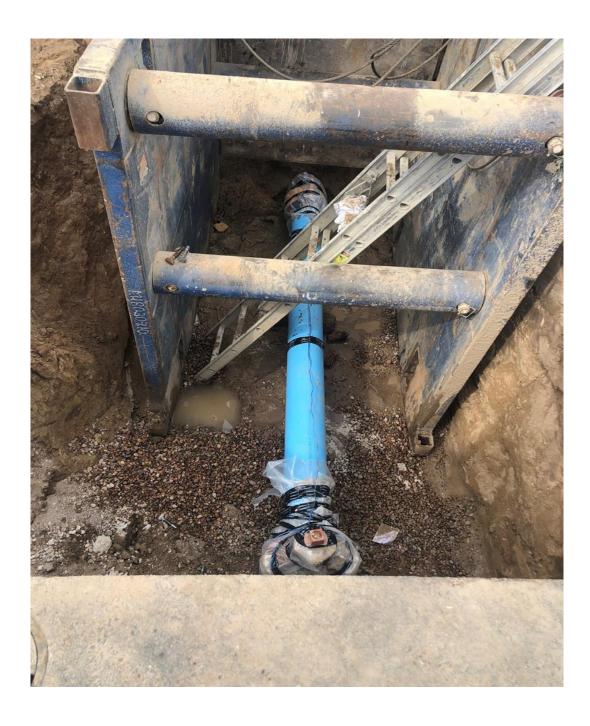
Justification:

Connect distribution grid prior to new street construction.

Impact on Operating Budget:

New pipe will add to length of total pipe and will cause an incremental increase in the operational cost of the water system including future rehab or replacement costs.

		Previous 3		2023 Revised						
GL Account	Description	Years	2022 Actual	Budget	2024	2025	2026	2027	2028	Grand Total
Revenue										
	Fund Balance	-		-	812,820	-	-	-		- 812,820
Total I	Revenue	-	-	-	\$812,820	-	-	-		- \$812,820
Expense				-						-
8202	Construction			-	582,000	-	-	-		- 582,000
8204	Contingency	-		-	85,000	-	-	-		- 85,000
8212	Land/Building Cost/Demolition	-		-	50,000	-	-	-		- 50,000
8229	Professional Services	-		-	60,000	-	-	-		- 60,000
8232	Project Management - Labor	-		-	25,000	-	-	-		- 25,000
8234	Project Management - Burdened Labor	-		-	5,000	-	-	-		- 5,000
9303	Public Art Fund	-	-	-	5,820	-	-	-		- 5,820
Total	Total Expense		-	-	\$812,820	-	-	-		- \$812,820
Net Total		-		-	-	-	-	-		-



New Construction Meters

Project Number: 12581 Budget Year: 2024

Division: Water Capital Projects **Council Priority:** Sustainable Infrastructure & Mobility

Project Type:Water Construction Transmission & Regions:0 - All WardsFund:Water ConstructionLocation:Citywide

Project Manager: Mark Uhland Budget Unit #: 42244018800200000000000

Project Status: Funded

Description:

This program purchases new meters for resale to property owners or developers for new water service connections. To maintain quality and uniformity, the customer is required to purchase all system meters from the City. This is an on-going project.

Discussion of Progress:

Ongoing annual program.

Justification:

City ordinance requires a meter on every tap. The cost of new meters in this account is offset by the sale of these meters to customers. Providing meters to customers assures the proper meter is installed and compatible with our automated meter reading and billing system. The cost of each meter varies from \$200 to \$11,826, depending on the size of the meter.

Revenue Detail:

New customers = new revenue sources

		Previous 3		2023 Revised							
GL Account	Description	Years	2022 Actual	Budget	2024	2025	2026	2027	2028	Future	Grand Total
Revenue											
	Fund Balance	149,103	-	45,000	45,000	45,000	45,000	45,000	45,000	225,000	644,103
Total	Total Revenue \$149,103		-	\$45,000	\$45,000	\$45,000	\$45,000	\$45,000	\$45,000	\$225,000	\$644,103
Expense				-						•	-
8208	Furniture, Fixtures & Equipment	53,402	-	37,500	37,500	37,500	37,500	37,500	37,500	187,500	465,902
8224	Operating Supplies	32,056	-	2,000	2,000	2,000	2,000	2,000	2,000	10,000	54,056
8232	Project Management	63,645	-	-	-	-	-	-	-	-	63,645
8244	Capital Equipment >\$5,000	-	-	5,500	5,500	5,500	5,500	5,500	5,500	27,500	60,500
Total	Total Expense \$149,103 -		\$45,000	\$45,000	\$45,000	\$45,000	\$45,000	\$45,000	\$225,000	\$644,103	
Net Total		-	-	-	-	-	-	-	=	-	-



Water Taps

Project Number: 12673 Budget Year: 2024

Division: Water Capital Projects **Council Priority:** Sustainable Infrastructure & Mobility

Project Type:Water Construction Transmission & Regions:0 - All WardsFund:Water ConstructionLocation:Citywide

Project Manager: Mark Uhland Budget Unit #: 4224401880030000000000

Project Status: Funded

Description:

The transmission/distribution crews construct taps on the water system lines for both its own operations and those required by new customers. Tapping valves and pipe related materials used for tap construction are purchased from the Inventory account. All applicable costs are included in this account to complete the tap (asphalt, flow fill, concrete, etc.)

Discussion of Progress:

Ongoing annual program

Justification:

The transmission/distribution crews construct taps on the water system lines for both its own operations and those required by new customers. Tapping valves and pipe related materials used for tap construction are purchased from the Inventory Budget account. All applicable costs are included in this account to complete the tap (asphalt, flow fill, concrete, etc.). Cost recovery is only applicable for taps constructed for customers.

Revenue Detail:

New customers = new water revenue

GL Account	Description	Previous 3 Years	2022 Actual	2023 Revised Budget	2024	2025	2026	2027	2028	Future	Grand Total
Expense											
7657	Bad Debt Expenses	-	-	4,295	-	-	-	-	-	-	4,295
8202	Construction	-	-	10,000	10,000	10,000	10,000	10,000	10,000	50,000	110,000
8216	Miscellaneous	-	-	3,500	3,500	3,500	3,500	3,500	3,500	17,500	38,500
8224	Operating Supplies	20,424	-	61,500	61,500	61,500	61,500	61,500	61,500	307,500	696,924
8232	Project Management	10,128	1,818	-	-	-	-	-	-	-	11,945
Total Expense		\$30,552	\$1,818	\$79,295	\$75,000	\$75,000	\$75,000	\$75,000	\$75,000	\$375,000	\$861,665
Net Total	_	\$13,772,727	\$4,588,395	-	=	-	-	-	-	-	\$17,531,827



Distribution Line Extension & Oversizing

Project Number: 12524 Budget Year: 2024

Division: Water Capital Projects **Council Priority:** Sustainable Infrastructure & Mobility

Project Type:Water Construction Transmission & Regions:0 - All WardsFund:Water ConstructionLocation:Citywide

Project Manager: Derek Hannon Budget Unit #: 42244018800100000000000

Project Status: Funded

Description:

This program provides for reimbursement to developers for installing oversized pipe at the request of the City. The program can also fund extensions between completed subdivisions to improve the pipe network system. Oversizing reimbursement is anticipated for Lake Bluffs, Northridge, Cache, and Owl Ridge subdivisions.

Discussion of Progress:

Annual program for development pipeline oversizing reimbursements.

Justification:

Provides the means for the City to oversize pipes being installed by developers and to extend mains as necessary for the benefit of the entire system. Oversizing and main extensions are dependent upon development and master grid sizing plans. As a result, improved flow, pressure, and system reliability can be built into the future and existing distribution system. Overall cost to the developer is minimal and the City saves mobilization costs.

Revenue Detail:

This program is in place to oversize water pipes in coordination with new development and extend pipes as needed to connect subdivisions. Expenditures are usually at least partially reimbursable to the developer.

Impact on Operating Budget:

Additional maintenance costs due to expanded system (offset by rate revenue from new customers).

		Previous 3		2023 Revised							
GL Account	Description	Years	2022 Actual	Budget	2024	2025	2026	2027	2028	Future	Grand Total
Revenue											_
	Fund Balance	131,050	769	174,531	161,280	161,280	163,300	165,320	165,320	826,600	1,949,449
Total I	Revenue	\$131,050	\$769	\$174,531	\$161,280	\$161,280	\$163,300	\$165,320	\$165,320	\$826,600	\$1,949,449
Expense				-						•	-
8202	Construction	-	-	121,000	128,000	128,000	130,000	132,000	132,000	660,000	1,431,000
8208	Furniture, Fixtures & Equipment	647	-	-	-	-	-	-	-	-	647
8216	Miscellaneous	37	-	-	-	-	-	-	-	-	37
8224	Operating Supplies	33,709	-	6,000	6,000	6,000	6,000	6,000	6,000	30,000	99,709
8229	Professional Services	78,467	769	45,321	25,000	25,000	25,000	25,000	25,000	125,000	374,556
8232	Project Management	15,462	-	-	-	-	-	-	-	-	15,462
8233	Project Management - Benefits	250	-	-	-	-	-	-	-	-	250
9303	Public Art Fund	1,200	-	1,210	1,280	1,280	1,300	1,320	1,320	6,600	15,510
Total	Expense	\$131,050	\$769	\$174,531	\$161,280	\$161,280	\$163,300	\$165,320	\$165,320	\$826,600	\$1,949,449
Net Total		-	-	-	-	-	-	-	-	-	-



Bellvue Pipeline-Gold Hill Segment

Project Number: 12489 Budget Year: 2024

Division: Water Capital Projects **Council Priority:** Sustainable Infrastructure & Mobility

Project Type:Water Construction Transmission & DistributionRegions:5- Outside CityFund:Water ConstructionLocation:South of Windsor

Project Manager: Rebecca Andrus Budget Unit #: 4224401880050000000000

Project Status: Funded

Description:

This project is the Design and Construction of the Gold Hill Segment of the 60" Bellvue Transmission Main. It is approximately 3 miles long and will extend along HWY 257 from the Poudre River in Windsor south to the connection with the transmission lines from Boyd just south of the Zone 4 pump station (131st Ave and HWY 34). Final route selection, permit and easement acquisition, design and construction will be part of this multi-year project. The first Phase of construction is currently planned in 2024 and 2025 would be to complete the Windsor Phase of approximately 4,000 feet of pipe installation and a HWY 257 crossing to install pipe in advance of expected development in that area. Funding in 2025 and 2026 will be used to complete the remaining 2 miles of the 60" Bellvue pipeline.

Discussion of Progress:

Route selection is complete for final 3 miles. Easement acquisition is complete for the Windsor Phase and underway for the final 2 miles. Providence Infrastructure was selected in August 2019 for Engineering Design of the first phase of the Gold Hill Segment to be called Windsor Phase. Construction is currently on hold until 2024.

Justification:

To secure Greeley's water future, the 2003 Water Master Plan instituted a policy to expand the transmission system when demand reaches 90% of system capacity. The 60" transmission pipeline is being constructed in multiple segments over several years to connect the Bellvue Water Treatment Plant to customers in Greeley. As of September 2017, 25 of the total 28 miles are complete. The 3-mile Gold Hill Segment will be the final phase of the project.

The pipeline also allows the operation of the Greeley water system from either treatment plant for a short time in the event of an emergency and so represents a significant hazard mitigation effort for Greeley, Evans, Windsor and Milliken.

Revenue Detail:

The department submitted an application for funding from the Federal Emergency Management Agency - Building Resilient Communities and Infrastructure grant program for 80% of the project costs.

Impact on Operating Budget:

This pipeline will allow gravity flow to Zone 3 through the Gold Hill tanks, which will lower energy costs for pumping into Zone 3 from Mosier. System water quality and chemical use are expected to see benefits due to reduced water age and better mixing from Boyd and Bellvue treatment facilities. The additional pipe length will cause incremental cost increases to water system operations, rehab, and replacement.

		Previous 3		2023 Revised						
GL Account	Description	Years	2022 Actual	Budget	2024	2025	2026	2027	2028	Grand Total
Revenue										
	Fund Balance	550,349	-	160,000	5,488,000	8,232,000	8,305,000	40,000	-	22,775,349
Total	Revenue	\$550,349	-	\$160,000	\$5,488,000	\$8,232,000	\$8,305,000	\$40,000	-	\$22,775,349
Expense			_	_						
8202	Construction	632	-	-	4,600,000	6,900,000	7,000,000	-	-	18,500,632
8204	Contingency	1	-	-	400,000	700,000	700,000	-	-	1,800,001
8212	Land/Building Cost/Demolition	164,404	-	35,000	-	-	-	-	-	199,404
8226	Permits, Fees, Etc	-	-	30,000	-	10,000	10,000	-	-	50,000
8229	Professional Services	298,965	-	75,000	397,000	508,000	515,000	15,000	-	1,808,965
8232	Project Management	41,893	-	-	-	-	-	-	-	41,893
8233	Project Management - Benefits	14,800	-	-	-	-	-	-	-	14,800
8235	Real Estate - Internal Chgs Only	-	-	5,000	5,000	-	-	-	-	10,000
9303	Public Art Fund	20,000	-	-	46,000	69,000	70,000	-	-	205,000
Total	Expense	\$550,349	-	\$160,000	\$5,488,000	\$8,232,000	\$8,305,000	\$40,000	-	\$22,775,349
Net Total		-	-	-	-	-	-	-	-	-



Residuals Gravity Thickener - Bellvue

Project Number: A289 Budget Year: 2024

Division: WATER GENERAL MANAGEMENT **Council Priority:** Sustainable Infrastructure & Mobility

Project Type:Water Construction TreatmentRegions:5- Outside CityFund:Water ConstructionLocation:Bellvue Filter Plant

Project Status: Funded

Description:

Design and construction of a 2nd residuals gravity thickener with cover at the Bellvue Water Treatment Plant.

Discussion of Progress:

This project is planned for designing in 2027 with construction in 2028.

Justification:

Phase I of the residuals handling facilities was designed for a plant production rate of 25 million gallons per day (mgd). Current plant rating by the State is 35 mgd. The wild fires of 2011 and 2012 and the flooding in 2013 have significantly altered the raw water quality requiring increased chemical dosing with increased residuals production. The 2nd gravity thickener will provide acceptable solids loading for these increases and increased production.

		Previous 3		2023 Revised							
GL Account	Description	Years	2022 Actual	Budget	2024	20	25	2026	2027	2028	Grand Total
Revenue											
	Fund Balance	-	=	-		-	-	-	1,260,000	6,847,000	8,107,000
Total	Revenue	-	-	-		-	-	-	\$1,260,000	\$6,847,000	\$8,107,000
Expense				-							
8202	Construction	-	-	-		-	-	-	-	6,200,000	6,200,000
8204	Contingency	-	-	-		-	-	-	-	500,000	500,000
8216	Miscellaneous	-	-	-		-	-	-	-	10,000	10,000
8229	Professional Services	-	-	-		-	-	-	1,250,000	50,000	1,300,000
8232	Project Management - Labor	-	-	-		-	-	-	10,000	25,000	35,000
9303	Public Art Fund	-	-	-		-	-	-	=	62,000	62,000
Total	Expense	-	-	-		-	-	-	\$1,260,000	\$6,847,000	\$8,107,000
Net Total		-	-	-		-	-	-	-	-	-



Bellvue Two Million Gallon Clearwell

Project Number: 12724 Budget Year: 2024

Division: Water Capital Projects **Council Priority:** Sustainable Infrastructure & Mobility

Project Type:Water Construction TreatmentRegions:5- Outside CityFund:Water ConstructionLocation:Bellvue Filter Plant

Project Manager: Stephen Goodwin Budget Unit #: 4224401890040000000000

Project Status: Funded

Description:

Design and construct a 2 million gallon (mg) clearwell, piping, and chemical injection in tandem with the existing clearwell.

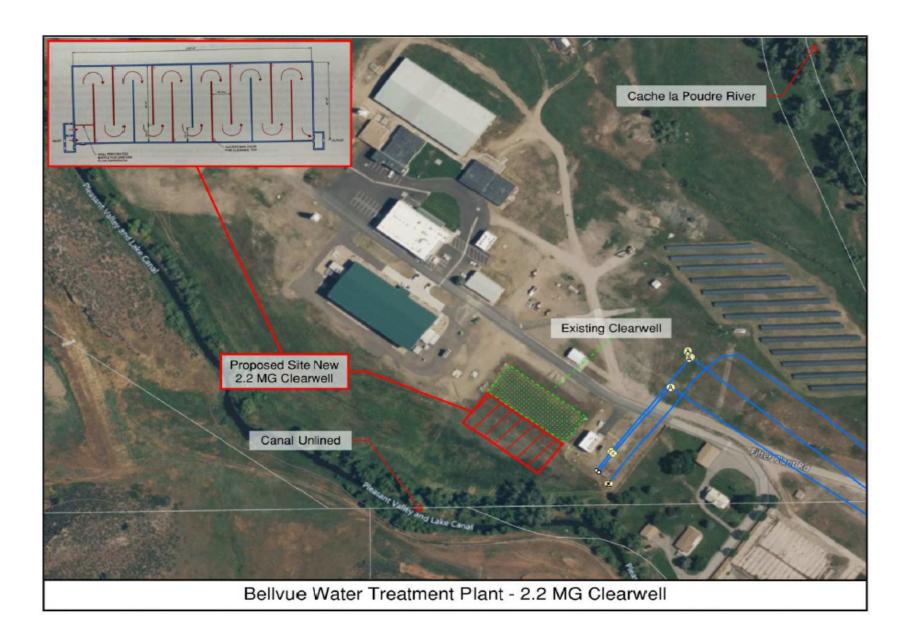
Discussion of Progress:

This project is scheduled for design in 2024 with construction in 2025

Justification:

Colorado Department of Health & Environment (CDPHE) Design Criteria requires sufficient storage volume to backwash several filters in rapid succession without the filters having to follow fluctuations in water use. Design criteria also requires two clearwell compartments. We do not currently meet CDPHE guidelines; plant flows currently have to be raised four to six million gallons per day (mgd) during filter backwashing and there is only one compartment in the existing clearwell.

		Previous 3		2023 Revised						
GL Account	Description	Years	2022 Actual	Budget	2024	2025	2026	2027	2028	Grand Total
Revenue										
	Fund Balance	-	-	750,000	757,500	5,055,000	-	-		- 6,562,500
Total I	Revenue	-	-	\$750,000	\$757,500	\$5,055,000	-	-		- \$6,562,500
Expense				-						-
8202	Construction	-	-	-	750,000	4,500,000	-	-		5,250,000
8204	Contingency	-	-	100,000	-	150,000	-	-		- 250,000
8229	Professional Services	-	-	600,000	-	300,000	-	-		900,000
8232	Project Management - Labor	-	-	50,000	-	60,000	-	-		- 110,000
9303	Public Art Fund	-	-	-	7,500	45,000	-	-		- 52,500
Total	Expense	-	-	\$750,000	\$757,500	\$5,055,000	-	-		- \$6,562,500
Net Total		-	-	-	-	=	-	=		



Non-Potable Master Plan

Project Number: 12585 Budget Year: 2024

Division: Water Capital Projects **Council Priority:** Sustainable Infrastructure & Mobility

Project Type:Water Replacement SupplyRegions:0 - All WardsFund:Water ConstructionLocation:Citywide

Project Manager: Adam Prior Budget Unit #: 4224401860050000000000

Project Status: Funded

Description:

This project is an update to the existing 2004 master plan to analyze the existing infrastructure and provide direction on a 5 year and 20 year CIP plan to address expansion, conversions from potable use, and infrastructure needs. The master plan will also provide direction on how the City non-potable system will serve the City of Greeley up to the Long Range Expected Growth Area (LREGA).

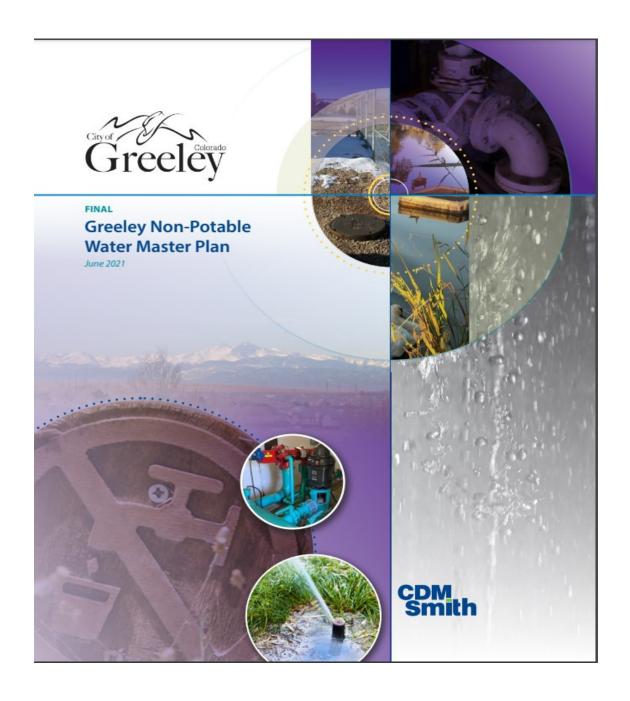
Discussion of Progress:

Non-Potable distribution system analysis and identification of infrastructure is approximately 60% complete. As the City finalizes the draft master plan, we will engage engineering firms, development community, and other stakeholders to allow them to review and provide comments and feedback prior to finalizing the Masterplan. Planned for 2025

Justification:

The Master Plan update is necessary to ensure that adequate water is available for future growth that is economical - detailed analysis of non-potable system upgrades feasibilities and costs.

				2022 5 : 1							
		Previous 3		2023 Revised							
GL Account	Description	Years	2022 Actual	Budget	2024	202	5 2	026	2027	2028	Grand Total
Revenue											
	Fund Balance	137,176	-	-		- 3:	25,000	-	-		- 462,176
5812	Damages Recovered	500,000	-	-		-	-	-	-		- 500,000
Total I	Revenue	\$637,176	-	-		- \$3	25,000	-	-		- \$962,176
Expense											
8202	Construction	202,574	-	-		-	-	-	-		- 202,574
8204	Contingency	-	-	-		- !	50,000	-	-		- 50,000
8229	Professional Services	342,461	-	-		- 2	50,000	-	-		- 592,461
8232	Project Management	80,358	-	-		-	-	-	-		- 80,358
Total I	Expense	\$637,176	1	-		- \$3	25,000	-	-		- \$962,176
Net Total		-	-	-		-	-	-	-		-



Zone 4 New Water Tower

Project Number: 422New7 Budget Year: 2024

Division: Water Capital Projects **Council Priority:** Sustainable Infrastructure & Mobility

Project Type: Water Replacement Transmission & **Regions:**

Fund: Water Construction **Location:** 40.392984, -104.887923

Project Manager: Unassigned Budget Unit #: Unassigned

Project Status: Funded

Description:

Construction of a new 2MG Water Tower adjacent to the existing Water Tower. Expanding the storage capacity serving pressure Zone 4 (west Greeley).

Discussion of Progress:

Estimated demands for the city indicate need for additional storage by 2035. Design is planned for 2033 with construction in 2034.

Justification:

Additional storage is required to meet increasing water demand in Zone 4.

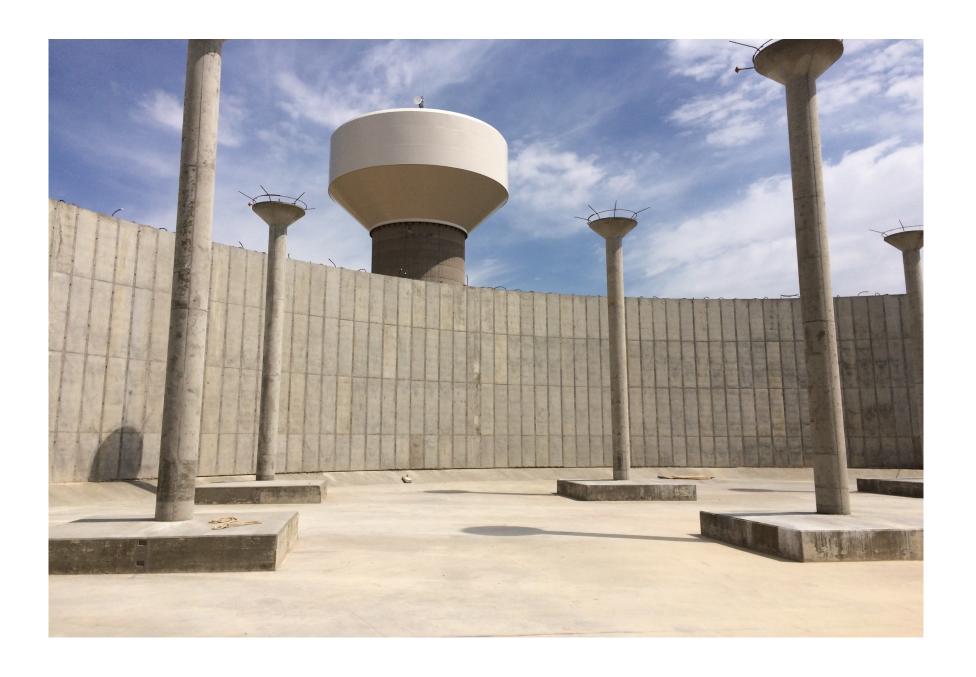
Revenue Detail:

No additional information

Impact on Operating Budget:

Increase in operations and maintenance expenses for the Transmission and Reservoirs unit.

GL Account	Description	Previous 3 Years	2022 Actual	2023 Revised Budget	2024	2025	2026	2027	2028	Future	Grand Total
Revenue											
	Fund Balance	-	-	-	-	-	-	-	-	700,000	700,000
Total I	Revenue	-	-	-	-	-	-	-	-	\$700,000	\$700,000
Expense											_
8229	Professional Services	-	-	-	-	-	-	-	-	700,000	700,000
Total I	Expense	-	-	-	-	-	-	-	-	\$700,000	\$700,000
Net Total		-	-	-	-	-	-	-	-	-	-





Fund 423 Water Capital Replacement

SCADA Master Plan

Project Number: 12626 Budget Year: 2024

Division: Water Capital Projects **Council Priority:** Sustainable Infrastructure & Mobility

Project Type: Water Replacement Studies Regions: 1- 16 St North/35 Ave East

Fund: Water Capital Replacement Location: System-Wide

Project Manager: Jim Paulson Budget Unit #: 4234401890050000000000

Project Status: Funded

Description:

Master Plan identifying SCADA conditions, assets, needs and prioritization. Incorporating recommendations from risk and resiliency study, other master plans, and emergency ops plan(s).

Discussion of Progress:

Project started in 2023 with planned completion in 2024. Additional budget was needed due to increase in scope.

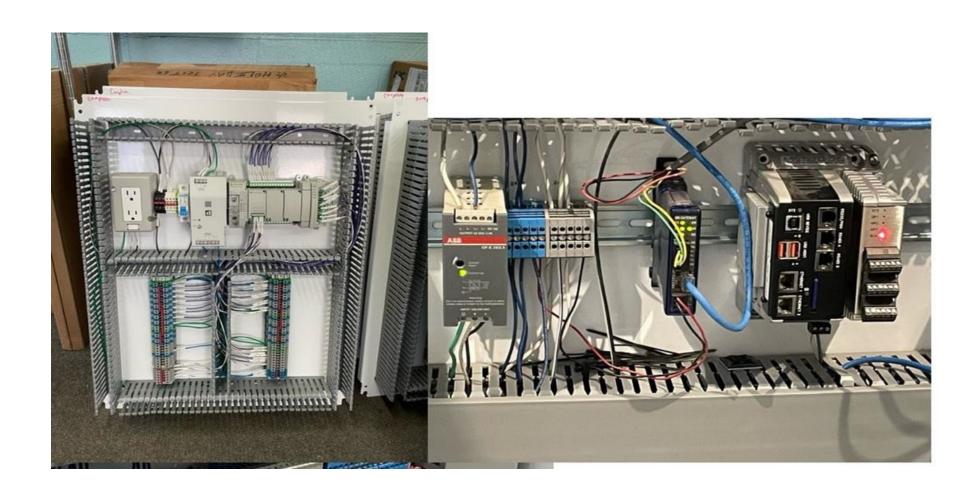
Justification:

This new budget amount is to expand the scope of the Master Plan development to include an assessment and creation of one-line drawings of the existing electrical infrastructure.

SCADA Upgrades and major infrastructure replacements are being made as incorporated project elements of various CIP projects, but there is no centralized Master Plan that articulates all needs, considers impact to operations, considers efficiency opportunities and prioritizes the projects. Further, we should recieve recommendations and cost estimatates for additional connectivity for additional data input for pressure, flow, CI residual, and other parameters within various systems at strategic locations.

SCADA telemetry is outdated at many of our sites, disfunctional in some key areas and the needs are so great that we're not able to work effectively much less efficiently. There are long-term savings and system reliability and system resiliency opportunities in looking system wide at the necessary upgrades.

GL Account	Description	Previous 3 Years 2022 Actual	2023 Revised Budget	2024	2025	2026	2027	2028	Grand Total
Revenue									
	Fund Balance	-	375,000	150,000	-	-	-		- 525,000
Total I	Revenue	-	\$375,000	\$150,000	-	-	=		- \$525,000
Expense									_
8204	Contingency	-	- 60,000	-	-	-	-		- 60,000
8229	Professional Services	-	300,000	150,000	-	-	-		- 450,000
8232	Project Management - Labor	-	- 15,000	-	-	-	-		- 15,000
Total	Expense	-	- \$375,000	\$150,000	-	-	-		- \$525,000
Net Total		-	-	-	-	-	=		



Risk and Resiliency Projects

Project Number: 12625 Budget Year: 2024

Division: Water Capital Projects **Council Priority:** Sustainable Infrastructure & Mobility

Project Type:Water Replacement SupplyRegions:1- 16 St North/35 Ave EastFund:Water Capital ReplacementLocation:Multiple Water System SitesProject Manager:Adam PriorBudget Unit #:4234401890150000000000

Project Status: Funded

Description:

A Risk & Resiliency Assessment (RRA) was completed in March of 2020 by the City of Greeley and Merrick & Company to considers man-made hazards, natural hazards, and dependency hazards (interruptions of supply chains or proximity to dangerous sites). Threat characterization was also performed to identify general and specific threat scenarios to serve as reference threats to Greeley's water system. The projects identified in this budget had some of the higher systems threats and consequences to the water system that will be mitigated with this project.

Discussion of Progress:

Completing projects identified in 2021 study. 2024 - 2026 budget will also include as yet unknown work needed to meet new EPA regulations for cybersecurity for public water systems.

Justification:

A Risk & Resiliency Assessment (RRA) was completed in March of 2020 by the City of Greeley and Merrick & Company to considers man-made hazards, natural hazards, and dependency hazards (interruptions of supply chains or proximity to dangerous sites). Threat characterization was also performed to identify general and specific threat scenarios to serve as reference threats to Greeley's water system. The projects identified in this budget had some of the higher systems threads and consequences to the water system that will be mitigated with this project. Projects include site security, access control to the facilities, fencing, and other projects identified by the RRA.

		Previous 3		2023 Revised						
GL Account	Description	Years	2022 Actual	Budget	2024	2025	2026	2027	2028	Grand Total
Revenue										
	Fund Balance	-	28	562,270	802,500	637,500	280,000	-		- 2,282,298
Total	Revenue	-	\$28	\$562,270	\$802,500	\$637,500	\$280,000	-		- \$2,282,298
Expense										
8202	Construction	-	28	449,690	725,000	575,000	250,000	-		- 1,999,718
8204	Contingency	-	-	28,286	72,500	57,500	25,000	-		- 183,286
8208	Furniture, Fixtures & Equipment	-	-	4,032	-	-	-	-		- 4,032
8232	Project Management - Labor	-	-	10,000	5,000	5,000	5,000	-		- 25,000
8244	Capital Equipment >\$5,000	-	-	70,262	-	-	-	-		- 70,262
Total	Expense	-	\$28	\$562,270	\$802,500	\$637,500	\$280,000	-		- \$2,282,298
Net Total		-	-	-	-	-	-	-	•	



Suburban Ditch Non-Potable Replacement

Project Number: 12639 Budget Year: 2024

Division: Water Capital Projects **Council Priority:** Sustainable Infrastructure & Mobility

Project Type:Water Replacement SupplyRegions:2- 16 St South/23 Ave EastFund:Water Capital ReplacementLocation:Suburban Ditch Reservoir RoadProject Manager:Ryan DuveBudget Unit #:4234401890120000000000

Project Status: Funded

Description:

Replace a 1961 irrigation line due to it deteriorating to a point it is becoming unusable. In some sections the tree roots are so large that the sections have to be dug up and replaced. Many of the sections could not be videoed due to tree roots and obstructions. Currently serves UNC, Cottonwood and Glenmere Park. Future service is estimated at 90 acres if the capacity is available.

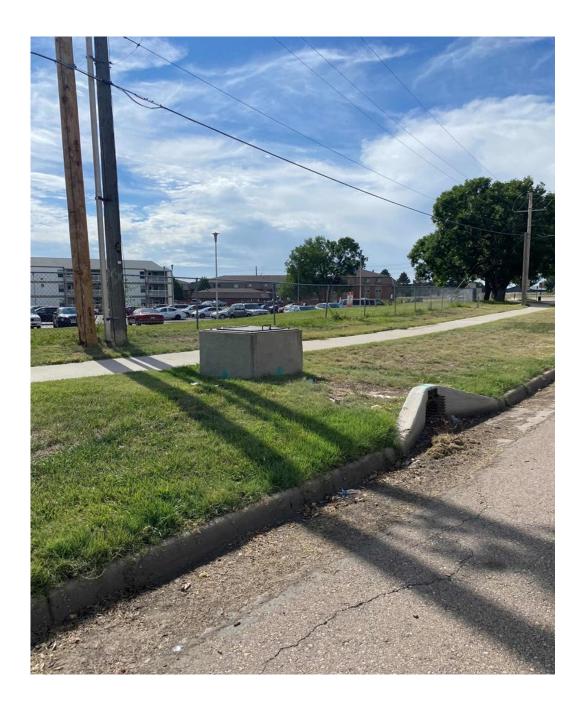
Discussion of Progress:

Construction started in 2023 and planned to complete in 2024.

Justification:

This line is essential for the City of Greeley, UNC and Alles Acres. The line loses approximately 300 AF per year. The annual maintenance and repair costs increase each year.

GL Account	Description	Previous 3 Years	2022 Actual	2023 Revised Budget	2024	2025	2026	2027	2028	Grand Total
Revenue										
	Fund Balance	-	-	1,455,910	420,000	-	-	-	-	1,875,910
Total	Revenue	-	-	\$1,455,910	\$420,000	-	-	-	-	\$1,875,910
Expense										
8202	Construction	-	-	1,170,000	400,000	-	-	-		1,570,000
8204	Contingency	-	-	266,910	-	-	-	-	-	266,910
8232	Project Management - Labor	-	-	19,000	20,000	-	-	-		39,000
Total	Expense	-		\$1,455,910	\$420,000	-	-	-		\$1,875,910
Net Total		-	-	-	-	-	-	-	-	



SCADA Upgrades High Mountain Reservoirs

Project Number: 12745 Budget Year: 2024

Division: Water Capital Projects **Council Priority:** Sustainable Infrastructure & Mobility

Project Type: Water Replacement Supply **Regions:** 5- Outside City

Fund: Water Capital Replacement Location: High Mountain Reservoirs

Project Manager: Ryan Duve Budget Unit #: 4234401870030000000000

Project Status: Funded

Description:

Anticipate upgrading System Control and Data Acquisition (SCADA) for the high mountain reservoirs to meet upgraded regulations required by state engineer's office. This will reduce the need to staff to physically monitor with the use of new equipment.

Discussion of Progress:

Procurement of buildings to house equipment in progress. Electrical/Controls Engineer hired. Construction planned for 2023-2025.

Justification:

Given how remote Greeley's high mountain reservoirs are, SCADA upgrades are critical to ensure that these high-hazard dams continue to operate safely

Impact on Operating Budget:

Reduced safety risks by personnel working in the mountains.

		Previous 3		2023 Revised						
GL Account	Description	Years	2022 Actual	Budget	2024	2025	2026	2027	2028	Grand Total
Revenue										_
	Fund Balance	-	-	124,000	131,200	138,000	-	-		- 393,200
Total	Revenue	-	-	\$124,000	\$131,200	\$138,000	-	-		- \$393,200
Expense										
8202	Construction	-	-	100,000	106,000	112,000	-	-		- 318,000
8204	Contingency	-	-	10,000	10,600	11,000	-	-		- 31,600
8229	Professional Services	-	-	10,000	10,600	11,000	-	-		- 31,600
8232	Project Management - Labor	-	-	4,000	4,000	4,000	-	-		- 12,000
Total	Expense	-	-	\$124,000	\$131,200	\$138,000	-	-		- \$393,200
Net Total		-	_	-	-	-	-	-		



North Boomerang Pump Station Replacement

Project Number: 423New11 Budget Year: 2024

Division: Water Capital Projects **Council Priority:** Sustainable Infrastructure & Mobility

Project Type: Water Replacement Supply **Regions:**

Fund: Water Capital Replacement Location: 7309 W 4th Street
Project Manager: Unassigned Budget Unit #: Unassigned

Project Status: Funded

Description:

The North Boomerang Pump Station is used to irrigate the North 9 course of the Boomerang Links Golf Course. This project includes the total replacement of the existing pump station that was constructed in 1992. The project also includes upsizing the intake pipe between the storage pond and wet well and lining of the storage pond.

Discussion of Progress:

Water and Sewer met with Culture, Parks, and Recreation to coordinate the two projects. Design is planned for 2024 with construction in 2025.

Justification:

This pump station is over 30 years old and is the oldest pump station in the non-pot system. This pump station has passed its useful life. CPRD is planning a total replacement of the North 9 Course irrigation system and this project would be completed in conjunction of the irrigation system replacement. Upsizing of the station with replacement will allow new customers to be served by the station and increase the expanse of the city's non-potable irrigation system.

We are tagging the "Sustainable Infrastructure and Mobility" council priority, however because of the pump station's direct service to the Boomerang Golf Course, the project also impacts the "Quality of Life" council priority.

Impact on Operating Budget:

Operations costs are expected to be similar to those of the existing non-potable pump station.

		Previous 3		2023 Revised						
GL Account	Description	Years	2022 Actual	Budget	2024	2025	2026	2027	2028	Grand Total
Revenue										
	Fund Balance	-	-	-	300,000	3,635,000	-	-		- 3,935,000
Total I	Revenue	-	-	-	\$300,000	\$3,635,000	=	-		- \$3,935,000
Expense										
8202	Construction	-	-	-	-	3,165,000	-	-		- 3,165,000
8204	Contingency	-	-	-	-	310,000	-	-		- 310,000
8229	Professional Services	-	-	-	285,000	100,000	-	-		- 385,000
8232	Project Management - Labor	-	-	-	15,000	30,000	-	-		- 45,000
8242	Utility Services	-	-	-	-	30,000	-	-		- 30,000
Total	Expense	-	-	-	\$300,000	\$3,635,000	-	-		- \$3,935,000
Net Total		-	-	-	-	-	-	-		



Non-Potable Pump Station Replacement

Project Number: 423New12 Budget Year: 2024

Division: Water Capital Projects **Council Priority:** Sustainable Infrastructure & Mobility

Project Type: Water Replacement Supply Regions:

Fund:Water Capital ReplacementLocation:CitywideProject Manager:UnassignedBudget Unit #:Unassigned

Project Status: Funded

Description:

Replacement and upsizing of existing non-potable pump stations that have reached the end of their useful life.

Discussion of Progress:

The department has identified four existing non-potable pump stations that require replacement.

Justification:

Replacing pump stations that have reached the end of their useful life ensures that non-potable water will be available to deliver irrigation water to parks, golf courses, campuses, etc. This project includes increasing station capacity to expand non-pot system to nearby properties to convert from potable water irrigation to non-pot.

We are tagging the "Sustainable Infrastructure and Mobility" council priority, however because of the non-potable system's direct services to city parks, the project also impacts the "Quality of Life" council priority.

		Previous 3		2023 Revised						
GL Account	Description	Years	2022 Actual	Budget	2024	2025	2026	2027	2028	Grand Total
Revenue	Description		LOLL Actual	20.0800	202-7					
	Fund Balance	-	-	-	2,504,850	-	1,744,000	402,000	537,000	5,187,850
Total	Revenue	-	-	-	\$2,504,850	-	\$1,744,000	\$402,000	\$537,000	\$5,187,850
Expense										
8202	Construction	-	-	-	1,925,000	-	1,279,000	271,000	408,000	3,883,000
8204	Contingency	-	-	-	288,850	-	192,000	41,000	62,000	583,850
8229	Professional Services	-	-	-	201,000	-	221,000	47,000	23,000	492,000
8232	Project Management - Labor	-	-	-	28,000	-	19,000	9,000	9,000	65,000
8242	Utility Services	-	-	-	62,000	-	33,000	34,000	35,000	164,000
Total	Expense	-	-	-	\$2,504,850	-	\$1,744,000	\$402,000	\$537,000	\$5,187,850
Net Total		-	-	-	-	-	-	-	-	-



Cottonwood Park Non-Potable Pond Lining

Project Number: 423New13 Budget Year: 2024

Division: Water Capital Projects **Council Priority:** Sustainable Infrastructure & Mobility

Project Type: Water Replacement Supply **Regions:**

Fund: Water Capital Replacement Location: Cottonwood Park, 26th Ave and 19th St. Rd.

Project Manager: Unassigned Budget Unit #: Unassigned

Project Status: Funded

Description:

Project will install a plastic pond liner within Cottonwood Pond.

Discussion of Progress:

Project is planned for 2033.

Justification:

Cottonwood Pond is known to leak. It was reportedly lined with Bentonite about 15 years ago but may have developed leaks when it was dredged around 10 years ago. The Water Conservation Report suggested a relatively modest 10 Acre Feet loss per year. This was estimated by assuming that the shoulder tap draw during the winter was equal to the seepage losses (as seepage loss is the only water loss occurring during the winter when ice covers the pond, and the outlet structure is not flowing). This is likely an underestimate. For comparison the loss due to evaporation is estimated at 7.2 Acre Feet per year.

Impact on Operating Budget:

Continued loss of raw water through seepage.

		Previous 3		2023 Revised							
GL Account	Description	Years	2022 Actual	Budget	2024	2025	2026	2027	2028	Future	Grand Total
Revenue											
	Fund Balance	-	-	-	-	-	-	-	-	1,532,200	1,532,200
Total	Revenue	-	-	-	-	-	-	-	-	\$1,532,200	\$1,532,200
Expense											
8202	Construction	-	-	-	-	-	-	-	-	1,256,000	1,256,000
8204	Contingency	-	-	-	-	-	-	-	-	188,400	188,400
8229	Professional Services	-	-	-	-	-	-	-	-	62,800	62,800
8232	Project Management - Labor	-	-	-	-	-	-	-	-	25,000	25,000
Total	Expense	-	-	-	-	-	-	-	-	\$1,532,200	\$1,532,200
Net Total		-	-	-	-	-	-	-	-	-	-



Lake Loveland Tower Cover

Project Number: N669 Budget Year: 2024

Division: WATER GENERAL MANAGEMENT **Council Priority:** Sustainable Infrastructure & Mobility

Project Type:Water Replacement SupplyRegions:5- Outside CityFund:Water Capital ReplacementLocation:Lake LovelandProject Manager:Peter ChampionBudget Unit #:423New1

Project Status: Funded

Description:

Remove and replace 1 fiberglass cover over the Lake Loveland intake tower.

Discussion of Progress:

Planned for 2026.

Justification:

The existing cover is part of the original equipment installed in 1967. The current cover is failing from age. The failure of this cover will expose electrical equipment that was recently replaced inside.

		Previous 3		2023 Revised						
GL Account	Description	Years	2022 Actual	Budget	2024	2025	2026	2027	2028	Grand Total
Revenue										
	Fund Balance	-	-	-		-	- 270,000	-		- 270,000
Total	Revenue	-	-	-		-	- \$270,000	•		\$270,000
Expense										
8202	Construction	-	-	-		-	- 150,000	-		150,000
8204	Contingency	-	-	-		-	- 100,000	-		- 100,000
8232	Project Management - Labor	-	-	-		-	- 20,000	-		- 20,000
Total	Expense	-	-	-		-	- \$270,000	-		- \$270,000
Net Total		_	-	-		-		-		



Ancillary System Improvements

Project Number: 12479 Budget Year: 2024

Division: Water Capital Projects **Council Priority:** Sustainable Infrastructure & Mobility

Project Type:Water Replacement SupplyRegions:0 - All WardsFund:Water Capital ReplacementLocation:Citywide

Project Manager: Ryan Duve Budget Unit #: 4234401890070000000000

Project Status: Funded

Description:

This program provides contributions for capital repairs of irrigation ditches and pumping systems of which the City is part owner.

Discussion of Progress:

The W&S Raw Water Operations utilizes this budget on as needed basis. W&S Engineering and Raw Water Operations Dept. inspected the Bittersweet Ditch 4/13/23 and found sections of ditch that need cleaning and installation of pipe to prevent future maintenance and maintain ditch capacity.

A hydraulic flow test will be completed in 2023 to determine bottlenecks within the system. The Bittersweet Ditch conveys water to Greeley West Pump Station's storage pond. The pump station will be replaced and its capacity increased, The ditch will need to be capable of supplying sufficient flows to the pond.

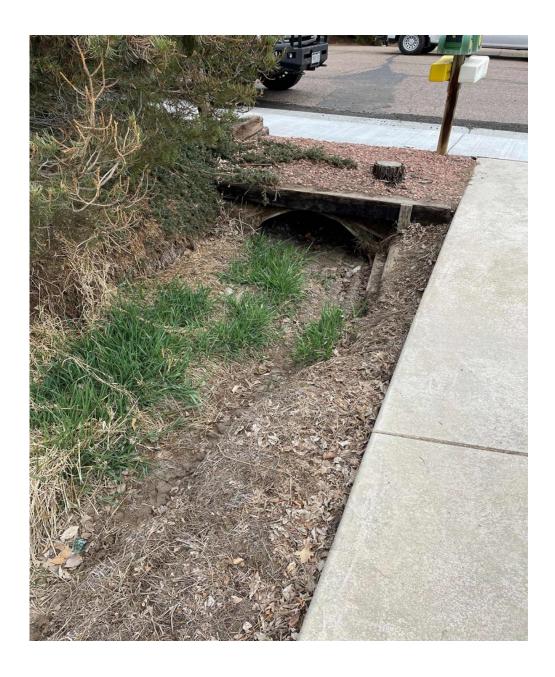
Justification:

As a part owner of various irrigation ditches, the department has the responsibility to participate in the cost and maintenance of aging ditch and lateral infrastructure.

Impact on Operating Budget:

Cost savings to City by maintaining and or improving system efficiency.

		Previous 3		2023 Revised							
GL Account	Description	Years	2022 Actual	Budget	2024	2025	2026	2027	2028	Future	Grand Total
Revenue											
	Fund Balance	208,508	-	50,000	50,000	52,000	54,000	56,000	58,000	320,000	848,508
5801	Sales Of Fixed Assets	-14,306	-	-	-	-	-	-	-	-	-14,306
Total I	Revenue	\$194,202	-	\$50,000	\$50,000	\$52,000	\$54,000	\$56,000	\$58,000	\$320,000	\$834,202
Expense											_
8202	Construction	145,894	-	50,000	50,000	52,000	54,000	56,000	58,000	320,000	785,894
8224	Operating Supplies	490	-	-	-	-	-	-	-	-	490
8232	Project Management	47,818	-	-	-	-	-	-	-	-	47,818
Total Expense \$194,202		-	\$50,000	\$50,000	\$52,000	\$54,000	\$56,000	\$58,000	\$320,000	\$834,202	
Net Total		-	-	-	-	-	-	-	-	-	-



Non-Potable Replacement Rehabilitation

Project Number: 12586 Budget Year: 2024

Division: Water Capital Projects **Council Priority:** Sustainable Infrastructure & Mobility

Project Type:Water Replacement SupplyRegions:0 - All WardsFund:Water Capital ReplacementLocation:Citywide

Project Manager: Ryan Duve **Budget Unit #:** 42344018901200000000000

Project Status: Funded

Description:

This item funds replacement or rehabilitation of non-potable pumps, piping, ponds, and related equipment, as well as expanding sites we currently have to add new customers. This is an on-going project.

Discussion of Progress:

W&S continues to maintain the City's non-potable water system by rebuilding pumps, replacing filters, repairing and or replacing piping that has corroded.

Justification:

Efficient economic operation of this program requires ongoing rehabilitation and replacement of features such as pumps, motors, controls, Supervisory Control and Data Acquisition (SCADA) equipment, pressure reducing valves, buildings and piping. Adding new HOAs, schools, parks and other customers to our existing sites to meet City Council's priority to develop more non-potable usage. Our goal is to add 3-4 new customers a year with this.

Impact on Operating Budget:

The non-potable division has taken on assets that were being maintained by Parks. The electric budget in operating has increased to account for the increased pumping capacity.

		Previous 3		2023 Revised							
GL Account	Description	Years	2022 Actual	Budget	2024	2025	2026	2027	2028	Future	Grand Total
Revenue											
	Fund Balance	437,046	589,382	1,314,110	504,100	702,000	490,100	513,500	537,000	3,046,700	8,133,938
4342	Intergovernmental Agreement	-	34,436	-	-	-	-	-	-	-	34,436
Total	Revenue	\$437,046	\$623,819	\$1,314,110	\$504,100	\$702,000	\$490,100	\$513,500	\$537,000	\$3,046,700	\$8,168,374
Expense											
8202	Construction	309,088	535,329	900,072	370,500	559,400	338,500	352,900	367,400	2,063,700	5,796,888
8204	Contingency	1,442	53,006	110,500	55,600	57,600	59,600	61,600	63,600	348,000	810,948
8216	Miscellaneous	122,313	-	20,000	-	-	-	-	-	-	142,313
8224	Operating Supplies	34,054	24,502	3,448	-	-	-	-	-	-	62,004
8229	Professional Services	-42,386	10,866	186,090	30,000	32,000	34,000	36,000	38,000	220,000	544,571
8232	Project Management	3,185	116	-	-	-	-	-	-	-	3,301
8242	Utility Services	-	-	31,000	-	-	-	-	-	-	31,000
8244	Capital Equipment >\$5,000	9,121	-	35,000	18,000	21,000	24,000	27,000	30,000	195,000	359,121
Total	Expense	\$437,046	\$623,819	\$1,314,110	\$504,100	\$702,000	\$490,100	\$513,500	\$537,000	\$3,046,700	\$8,168,374
Net Total		-	-	-	-	-	-	-	-	-	-



Milton Seaman Outlet Works

Project Number: 12576 Budget Year: 2024

Division: Water Capital Projects **Council Priority:** Sustainable Infrastructure & Mobility

Project Type: Water Replacement Supply **Regions:** 5- Outside City

Fund:Water Capital ReplacementLocation:Milton Seaman ReservoirProject Manager:Ryan DuveBudget Unit #:4234401890160000000000

Project Status: Funded

Description:

Complete design and construction of replacement outlet gates and engineering evaluation to determine if a multi-outlet tower can be intergrated at a later time to the proposed design of the outlet gates replacement project.

Discussion of Progress:

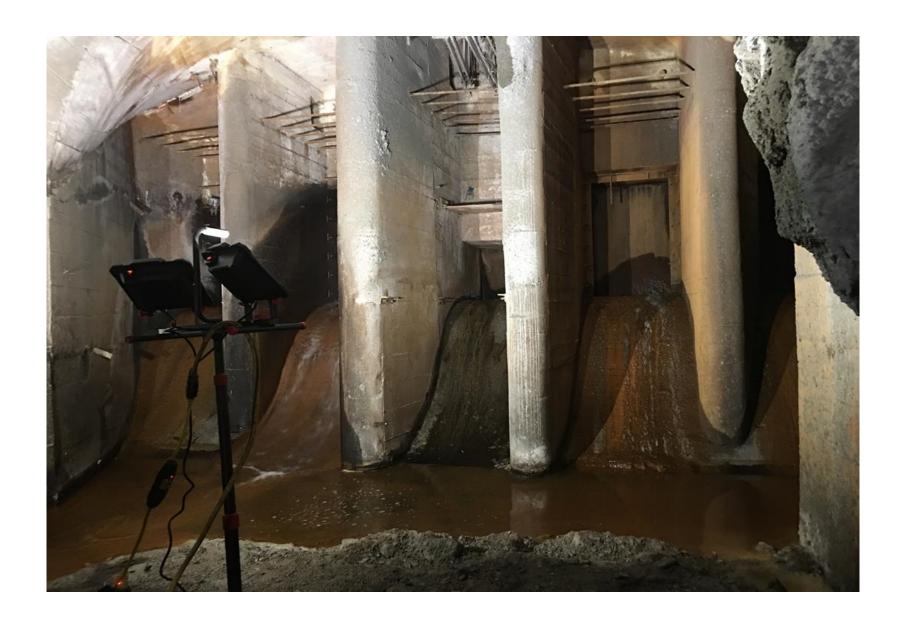
An engineering evaluation of alternatives and preliminary design to replace the original reservoir outlet gates was completed in 2017. Met with AECOM in February 2022 to discuss scope for additional study for integrating a multi-tower inlet.

The final designs and construction have been postponed until 2024 due to budgetary constraints.

Justification:

The original gates have withstood over 60 years of submergence in an anaerobic condition. The cast iron gate leaf seal channels have corroded and eroded to the point of compromising the brass seals allowing about 9 acre-feet/day to leak past the gates. This water is lost and can not be credited to our account.

		Previous 3		2023 Revised						
GL Account	Description	Years	2022 Actual	Budget	2024	2025	2026	2027	2028	Grand Total
Revenue										
	Fund Balance	149,376	-	-	54,000	225,000	5,537,900	-		- 5,966,276
Total	Total Revenue		-	-	\$54,000	\$225,000	\$5,537,900	=		- \$5,966,276
Expense										_
8202	Construction	2,080	-	-	-	-	4,746,000	-		- 4,748,080
8208	Furniture, Fixtures & Equipment	-	-	-	-	-	711,900	-		- 711,900
8229	Professional Services	140,068	-	-	-	10,000	-	-		- 150,068
8232	Project Management	5,323	-	-	-	-	-	-		- 5,323
8234	Project Management - Burdened	-	-	-	4,000	15,000	40,000	-		- 59,000
Total	Expense	\$149,376	-	-	\$54,000	\$225,000	\$5,537,900	-		- \$5,966,276
Net Total		-	-	-	-	-	=	=		-



Bellyue Intake Maintenance Phase 2

Project Number: A307 Budget Year: 2024

Division: Water Capital Projects **Council Priority:** Sustainable Infrastructure & Mobility

Project Type: Water Replacement Supply **Regions:** 5- Outside City

Fund:Water Capital ReplacementLocation:Bellvue Water Treatment PlantProject Manager:Peter ChampionBudget Unit #:423106089008000000000

Project Status: Funded

Description:

This project will repair damages to the Bellvue raw water intake (including patching exposed rebar in the weir, resurfacing the weir, and replacing a failing retaining wall) that were identified during construction of the 2017 maintenance project.

Discussion of Progress:

Design was completed for Phase 2 in 2019. Construction has been pushed back to 2027 due to higher priority needs in the capital program.

Justification:

Without this project, the damage to the weir and downstream retaining wall will continue to grow; the repair will be more extensive; and the repair costs will be more expensive.

		Previous 3		2023 Revised							
GL Account	Description	Years	2022 Actual	Budget	2024	2025		2026	2027	2028	Grand Total
Revenue											
	Fund Balance	13,907	-	-		-	-	-	8,255,000	120,000	8,388,907
Total	Total Revenue \$13,907			-		-	-	-	\$8,255,000	\$120,000	\$8,388,907
Expense											_
8202	Construction	-	-	-		-	-	-	3,000,000	-	3,000,000
8204	Contingency	-	-	-		-	-	-	5,000,000	-	5,000,000
8216	Miscellaneous	-	-	-		-	-	-	100,000	-	100,000
8226	Permits, Fees, Etc	-	-	-		-	-	-	10,000	-	10,000
8229	Professional Services	12,379	-	-		-	-	-	100,000	75,000	187,379
8232	Project Management	1,441	-	-		-	-	-	-	-	1,441
Total	Total Expense \$13,907			-		_		-	\$8,255,000	\$120,000	\$8,388,907
Net Total		-	-	-		-	-	-	-		-



Lead Service Line Inventory and Replacement

Project Number: 12736 Budget Year: 2024

Division: Water Capital Projects **Council Priority:** Sustainable Infrastructure & Mobility

Project Type:Water Replacement Transmission & DistributionRegions:0 - All WardsFund:Water Capital ReplacementLocation:Citywide

Project Manager: Keri Fishlock Budget Unit #: 4234401890040000000000

Project Status: Funded

Description:

The Lead and Copper Rule Revisions (LCRR) are anticipated to go into effect on October 16, 2024. Currently, the City of Greeley (CO0162321) is deemed to have optimized corrosion control without treatment. The LCRR will require any large public water system deemed without treatment to complete corrosion control steps and/or removal lead or galvanized pipe downstream of lead services. This project will complete the lead service inventory, potholing to confirm data, and finally removal of any lead services found.

Discussion of Progress:

First phase of potholes is complete, in mid 2022 will be working on the first phase of lead replacements and the second phase of potholes. State Revolving Fund application for a subsidized loan to fund the project is in progress, and the State Historical Preservation Office has been notified of the region of the city funded work will be focused in.

Justification:

In 2021, the water system provided the department with lead data which resulted in a 90th percentile greater than 5 ppb. These results are from sample locations that have been verified via the department's Lead Outreach and Verification Effort. Once the LCRR becomes effective, a 90th percentile greater than 5 ppb would require that your water system complete the corrosion control steps and perform a corrosion control study (CCS). The new LCRR changed the definition of lead services that had historically been from main to meter and is not main to house. This change has resulted in potentially having lead services that must be minitigated and removed from the system.

		Previous 3		2023 Revised						
GL Account	Description	Years	2022 Actual	Budget	2024	2025	2026	2027	2028	Grand Total
Revenue										
	Fund Balance	-	-	6,067,727	8,116,800	8,454,720	-	-		22,639,247
Total	Total Revenue -		-	\$6,067,727	\$8,116,800	\$8,454,720	-	-		\$22,639,247
Expense										_
8202	Construction	-	-	5,421,245	7,816,800	8,254,720	-	-		21,492,765
8208	Furniture, Fixtures & Equipment	-	-	130,000	-	-	-	-		130,000
8229	Professional Services	-	-	356,482	100,000	50,000	-	-		506,482
8232	Project Management - Labor	-	-	160,000	200,000	150,000	-	-		510,000
Total	Expense	-	-	\$6,067,727	\$8,116,800	\$8,454,720	-	-		\$22,639,247
Net Total		-	-	-	-	-	-	-		-



Mosier Reservoir Rehab and Optimization

Project Number: 423New1 Budget Year: 2024

Division: Water Capital Projects **Council Priority:** Sustainable Infrastructure & Mobility

Project Type: Water Replacement Transmission & Distribution Regions:

Fund: Water Capital Replacement Location: Mosier Reservoir 13th St and 58th Ave

Project Manager: Unassigned Budget Unit #: Unassigned

Project Status: Funded

Description:

Design and construction of modifications based on the Optimization Study completed in 2023 to the existing reservoir facility to improve the facility, replace outdated electrical equipment, add in SCADA for the site, and improvements to the north pump station to pump into zone 2.

Discussion of Progress:

Design planned for 2024 with construction to start in 2025.

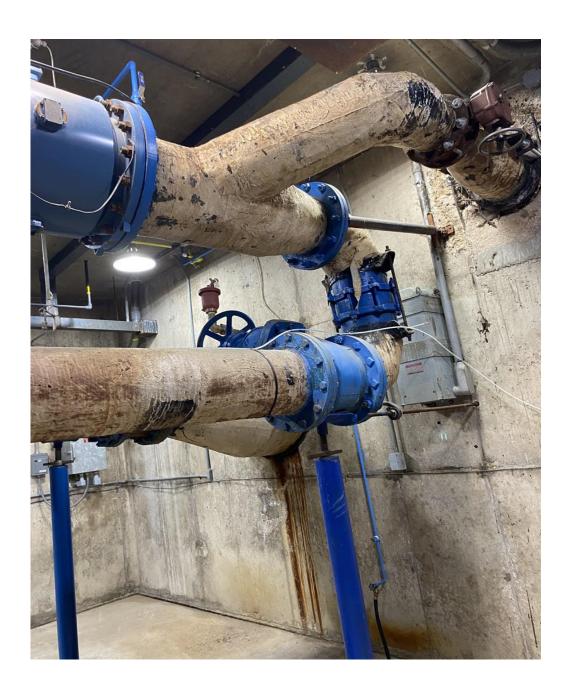
Justification:

There has not been any major modifications or rehab to the facility since it was built in 1962 and the north pump station that was built in 1973. The proposed improvements will improve water quality, reducing energy use, eliminate the risk of electrical failure, reduce pressures in zone 3, improve operations of the facility.

Impact on Operating Budget:

Anticipated a yet to be determined decrease in O&M budget from an extensive rehab of the site and reducing electricity costs for pumping.

		Previous 3		2023 Revised						
GL Account	Description	Years	2022 Actual	Budget	2024	2025	2026	2027	2028	Grand Total
Revenue										
	Fund Balance	-	-	-	675,000	8,075,000	25,000	25,000		- 8,800,000
Total	Revenue	-	-		\$675,000	\$8,075,000	\$25,000	\$25,000		- \$8,800,000
Expense										
8202	Construction	-	-	-	-	7,000,000	-	-		7,000,000
8204	Contingency	-	-	-	-	700,000	-	-		- 700,000
8229	Professional Services	-	-	-	650,000	350,000	-	-		- 1,000,000
8232	Project Management - Labor	-	-	-	25,000	25,000	25,000	25,000		- 100,000
Total	Expense	-	-	-	\$675,000	\$8,075,000	\$25,000	\$25,000		- \$8,800,000
Net Total		-	-	-	-	-	-	-		



Transmission Lines 1 and 2 Reroute and Rehab - Schneider

Project Number: 423New14 Budget Year: 2024

Division: Water Capital Projects **Council Priority:** Sustainable Infrastructure & Mobility

Project Type: Water Replacement Transmission & Distribution Regions:

Fund: Water Capital Replacement Location: 83rd Ave and 4th St to 10th St at the Schneider Farm Development

Project Manager: Unassigned Budget Unit #: Unassigned

Project Status: Funded

Description:

This is a relocation and rehab of the existing Bellvue Transmission Line #1 (24") and #2 (20") which were installed in 1993 and 1931. This will relocate the line along 83rd Ave and 4th St to a 36" single water line. We anticipate that this project will be completed by the Schneider Developer as part of the development with a yet to be finalized contribution from the city.

Discussion of Progress:

Construction planned for 2024.

Justification:

The existing 1993 Bellvue Transmission Line #1 (24") is in fair condition and the 1931 Bellvue Transmision Line #2 (20") is in poor condition. This project allows for collaboration with the developer to reduce costs for rehab and save the W&S fund about \$1 million.

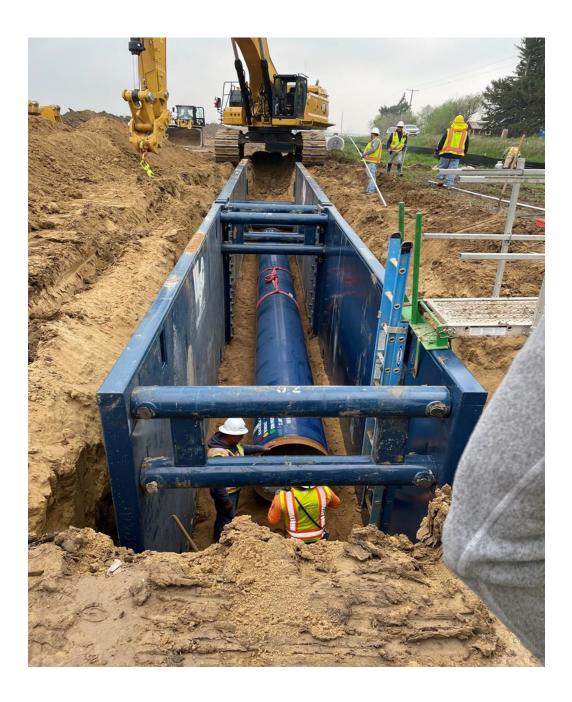
Revenue Detail:

Negotiations need to be finalized but we anticipate that Greeley will share the construction costs with the developer.

Impact on Operating Budget:

Reduced concerns for protecting the old lines and repairs to the 1991 cast iron joints that can leak.

		Previous 3		2023 Revised						
GL Account	Description	Years	2022 Actual	Budget	2024	2025	2026	2027	2028	Grand Total
Revenue										_
	Fund Balance	-	-	-	1,681,200	95,000	-	-		- 1,776,200
Total	Revenue	-	-	-	\$1,681,200	\$95,000	-	-		- \$1,776,200
Expense										
8202	Construction	-	-	-	1,442,000	-	-	-		- 1,442,000
8204	Contingency	-	-	-	144,200	-	-	-		- 144,200
8229	Professional Services	-	-	-	75,000	75,000	-	-		- 150,000
8232	Project Management - Labor	-	-	-	20,000	20,000	-	-		- 40,000
Total	Expense	-	-	-	\$1,681,200	\$95,000	-	-		- \$1,776,200
Net Total		-	-	-	-	-	=	-		



Transmission Lines 1 and 2 Rehab - Cache to Poudre River

Project Number: 423New15 Budget Year: 2024

Division: Water Capital Projects **Council Priority:** Sustainable Infrastructure & Mobility

Project Type: Water Replacement Transmission & Distribution Regions:

Fund: Water Capital Replacement **Location:** 4th St and 89th Ave to the Poudre River

Project Manager: Unassigned Budget Unit #: Unassigned

_ ...

Description:

Project Status:

This project is the replacement of the existing Bellvue Transmission Line #1 (24") and #2 (20") which were installed in 1993 and 1931. This will replace the lines in the same alignment as a 36" single water line.

Discussion of Progress:

Design planned for 2024 with construction in 2025-2027.

Funded

Justification:

The existing 1993 Bellvue Transmission Line #1 (24") is in fair condition and the 1931 Bellvue Transmission Line #2 (20") is in poor condition. This project addresses existing issues and reduces the overall length of waterline to be maintained in the future.

Impact on Operating Budget:

Reduced concerns for protecting the old lines and repairs to the 1991 cast iron joints that can leak.

		Previous 3		2023 Revised						
GL Account	Description	Years	2022 Actual	Budget	2024	2025	2026	2027	2028	Grand Total
Revenue										
	Fund Balance	-	-	-	380,000	3,997,900	140,000	4,404,250	115,000	9,037,150
Total	Revenue	-	-	-	\$380,000	\$3,997,900	\$140,000	\$4,404,250	\$115,000	\$9,037,150
Expense										
8202	Construction	-	-	-	-	3,698,000	-	4,085,000	-	7,783,000
8204	Contingency	-	-	-	-	184,900	-	204,250	-	389,150
8229	Professional Services	-	-	-	325,000	75,000	100,000	75,000	75,000	650,000
8232	Project Management - Labor	-	-	-	40,000	40,000	40,000	40,000	40,000	200,000
8235	Real Estate - Internal Chgs Only	-	-	-	15,000	-	-	-	-	15,000
Total	Expense	-	-	-	\$380,000	\$3,997,900	\$140,000	\$4,404,250	\$115,000	\$9,037,150
Net Total		-	-	-	-	-	-	-	-	-

8th Avenue Waterline Replacement

Project Number: 423New16 Budget Year: 2024

Division: Water Capital Projects **Council Priority:** Sustainable Infrastructure & Mobility

Project Type: Water Replacement Transmission & Distribution Regions:

Fund: Water Capital Replacement Location: 8th Ave from 5th St. to 25th St

Project Manager: Unassigned Budget Unit #: Unassigned

Project Status: Funded

Description:

Project is to Install 8-12" waterline to replace the existing 4-12" mainline on 8th Avenue in collaboration with the Public Works road project.

Discussion of Progress:

Design is planned for 2025 with construction in 2026-2028.

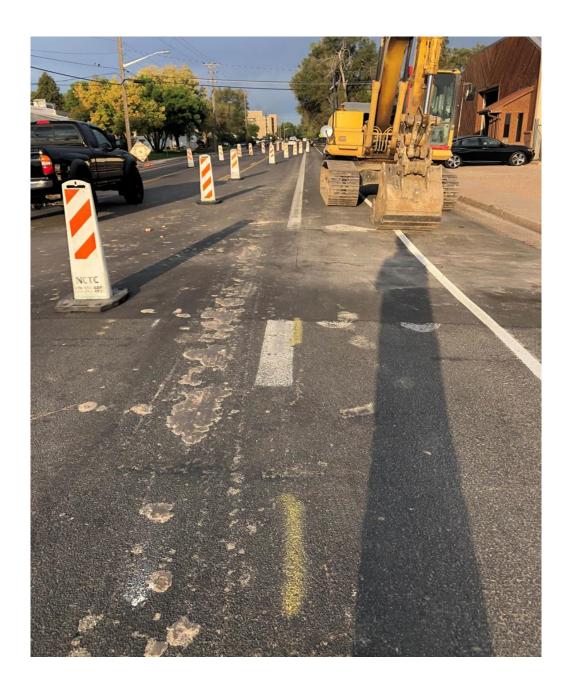
Justification:

The existing waterline on 8th Avenue was constructed in the 1920s-1940s. Public Works is planning a major road reconstruction project that will be a welcoming corridor for the City of Greeley.

Impact on Operating Budget:

New pipe is replacing existing aging infrastructure, which will decrease the likelihood of leaks in this area and protect the new roadway infrastructure from damage due to waterline leaks.

		Previous 3		2023 Revised						
GL Account	Description	Years	2022 Actual	Budget	2024	2025	2026	2027	2028	Grand Total
Revenue										
	Fund Balance	-	-	-		113,200	946,000	946,000	946,000	2,951,200
Total I	Revenue	-	-	•		- \$113,200	\$946,000	\$946,000	\$946,000	\$2,951,200
Expense				-						-
8202	Construction	-	-	-			742,500	742,500	742,500	2,227,500
8204	Contingency	-	-	-			107,500	107,500	107,500	322,500
8229	Professional Services	-	-	-		- 103,200	86,000	86,000	86,000	361,200
8232	Project Management - Labor	-	-	-		- 10,000	10,000	10,000	10,000	40,000
Total	Expense	-	-	-		- \$113,200	\$946,000	\$946,000	\$946,000	\$2,951,200
Net Total		-	-	-			=	-	-	-



9th and 10th Streets Waterline Replacement

Project Number: 423New2 Budget Year: 2024

Division: Water Capital Projects **Council Priority:** Sustainable Infrastructure & Mobility

Project Type: Water Replacement Transmission & Distribution Regions:

Fund: Water Capital Replacement Location: 9th and 10th Streets from 10th Ave to 23rd Ave

Project Manager: Unassigned Budget Unit #: Unassigned

Project Status: Funded

Description:

Install 8" waterline to replace the existing 4" and 6" mainline on 9th and 10th Streets and making system connections in collaboration with the Public Works road project.

Discussion of Progress:

Design planned for 2024 with construction planned in 2025 and 2026.

Justification:

Portions of this project were identified as part of the Water Transmission and Distribution Master Plan as necessary for fire flow. The existing waterline on 9th Street is 4" and over 100 years old. 10th Street has 4" and 6" waterlines built in the 1940s and 1960s with several leaks. Public Works is planning major reconstruction and reconfiguration of the overlying roadways.

Impact on Operating Budget:

New pipe is replacing existing aging infrastructure, which will decrease the likelihood of leaks in this area and protect the new roadway infrastructure from damage due to waterline leaks.

		Previous 3		2023 Revised						
GL Account	Description	Years	2022 Actual	Budget	2024	2025	2026	2027	2028	Grand Total
Revenue										
	Fund Balance	-	_	-	150,000	1,702,500	1,702,500	-		- 3,555,000
Total	Revenue	-	_	-	\$150,000	\$1,702,500	\$1,702,500	-		- \$3,555,000
Expense				-						-
8202	Construction	-	-	-	-	1,476,563	1,476,563	-		- 2,953,126
8204	Contingency	-	-	-	-	140,625	140,625	-		- 281,250
8229	Professional Services	-	-	-	135,000	70,312	70,312	-		- 275,624
8232	Project Management - Labor	-	-	-	15,000	15,000	15,000	-		- 45,000
Total	Expense	-	_	-	\$150,000	\$1,702,500	\$1,702,500	-		- \$3,555,000
Net Total		-	-	-	-	÷	-	=		



23rd Avenue Reservoir Replacements

Project Number: 423New3 Budget Year: 2024

Division: Water Capital Projects **Council Priority:** Sustainable Infrastructure & Mobility

Project Type: Water Replacement Transmission & **Regions:**

Fund: Water Capital Replacement Location: 2503 RESERVOIR RD

Project Manager:UnassignedBudget Unit #:UnassignedProject Status:Funded

Description:

Demolition of 2 out of service reservoirs, design and construct piping replacements, upgrades. Design and construct a new 5MG treated water storage tank in the 2031+ time frame.

Discussion of Progress:

Evaluating updates needed to accommodate near term needs, and planning for replacement to start in 2032 and continue in 2033 and 2034. On going assessments of the tanks will inform additional plans.

Justification:

Three reservoirs at 23rd Ave were taken out of service due to regulatory compliance issues in 2022. Treated water storage capacity will need to replace the long-range capacity based on Master Plan. In the near term the site needs to be cleaned up, the out of service tanks demolished or repurposed, and piping for Pressure Zone 1 needs to be updated to utilize Mosier Hill storage.

Revenue Detail:

The department is seeking a subsidized loan from the Colorado Drinking Water Revolving Fund for up to 50% of the costs to mitigate some of the impacts to rate payers of the near term plans. Revolving fund loans would likely be an option for the future replacement assuming the state continues the program.

Impact on Operating Budget:

Limited inspections and maintenance items will need to be included in operations budget. Reduced O&M compared to previous tanks.

		Previous 3		2023 Revised							
GL Account	Description	Years	2022 Actual	Budget	2024	2025	2026	2027	2028	Future	Grand Total
Revenue											
	Fund Balance	-		-	3,510,000	10,000	-	-	-	12,960,000	16,480,000
Total	Revenue	-		-	\$3,510,000	\$10,000	-	-	-	\$12,960,000	\$16,480,000
Expense				-						,	•
8202	Construction			-	2,500,000	-	-	-	-	10,000,000	12,500,000
8204	Contingency	-		-	225,000	-	-	-	-	900,000	1,125,000
8212	Land/Building	-		-	750,000	-	-	-	-	=	750,000
8229	Professional Services	-		-	-	-	-	-	-	1,900,000	1,900,000
8232	Project Management - Labor	-		-	35,000	10,000	-	-	-	60,000	105,000
9303	Public Art Fund	-	. <u>-</u>	-	-	-	-	-	-	100,000	100,000
Total	Expense		- -	-	\$3,510,000	\$10,000	-	-	-	\$12,960,000	\$16,480,000
Net Total				-	-	-	-	-	-	-	-



Island Grove Park Waterline Replacement

Project Number: 423New5 Budget Year: 2024

Division: Water Capital Projects **Council Priority:** Sustainable Infrastructure & Mobility

Project Type: Water Replacement Transmission & Distribution Regions:

Fund: Water Capital Replacement Location: D Street from 11th Ave to 15th Ave

Project Manager: Unassigned Budget Unit #: Unassigned

Project Status: Funded

Description:

Install 16" waterline to replace the existing 8" on D Street (Vern Schaffer Boulevard) from 11th Ave to 14th Ave and abandon the existing 12" through the park. This project also replaces the 4" waterline from 14th Ave to 15th Ave with an 8" waterline to enhance fire flows to Island Grove Park.

Discussion of Progress:

Design is planned for 2024 and 2025 with construction in 2026.

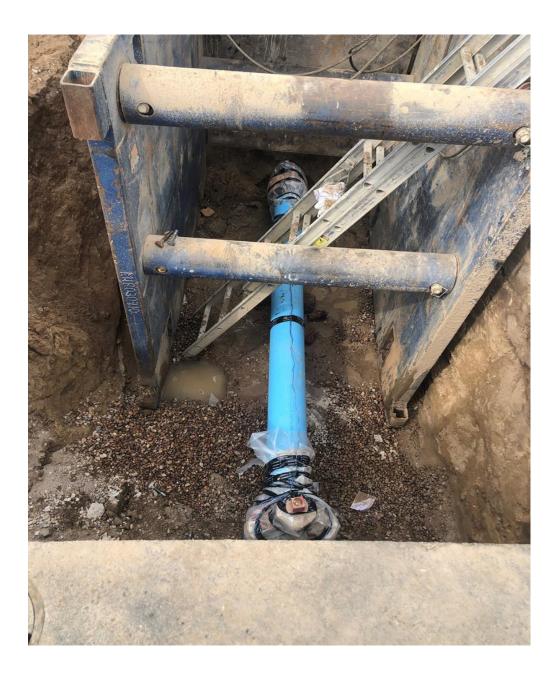
Justification:

This project was identified as three projects in the Water Transmission and Distribution Master Plan that were necessary to replace aging infrastructure, provide capacity improvements, and for fire flow. The existing waterlines are 16" and 4".

Impact on Operating Budget:

New pipe is replacing existing aging infrastructure, which will decrease the likelihood of leaks in this area. The total pipe in the system will decrease reducing future operational costs. This project also has capacity improvements to provide better protection for fire flow.

		Previous 3		2023 Revised						
GL Account	Description	Years	2022 Actual	Budget	2024	2025	2026	2027	2028	Grand Total
Revenue										
	Fund Balance	-		-	133,000	138,000	1,630,520	-		- 1,901,520
Total	Revenue	-	-	-	\$133,000	\$138,000	\$1,630,520	=		- \$1,901,520
Expense										
8202	Construction	-		-	-	-	1,052,000	-		- 1,052,000
8204	Contingency	-	-	-	-	-	368,000	-		- 368,000
8229	Professional Services	-		-	128,000	128,000	185,000	-		- 441,000
8232	Project Management - Labor	-		-	5,000	10,000	15,000	-		- 30,000
9303	Public Art Fund	-		-	-	-	10,520	-		- 10,520
Total	Expense	-	-	-	\$133,000	\$138,000	\$1,630,520	-		- \$1,901,520
Net Total		-	-	-	-	-	-	-		



Transmission System Corrosion Protection

Project Number: 423New6 Budget Year: 2024

Division: Water Capital Projects **Council Priority:** Sustainable Infrastructure & Mobility

Project Type: Water Replacement Transmission & **Regions:**

Fund: Water Capital Replacement Location: Boyd and Bellvue WTP to Citywide

Project Manager: Unassigned Budget Unit #: Unassigned

Project Status: Funded

Description:

Greeley maintains and extensive water transmission system with three pipelines from the Bellvue Water Treatment Plant and one pipeline from the Boyd Lake Water Treatment Plant into and through the city. The system includes cathodic protection: sacrificial and electrical devices intended to protect the components of the transmission system from corrosion.

Discussion of Progress:

Design and construction will begin in 2024 with intial construction complete in 2028. Project includes an ongoing maintenance cost of the system from 2029 - 2033.

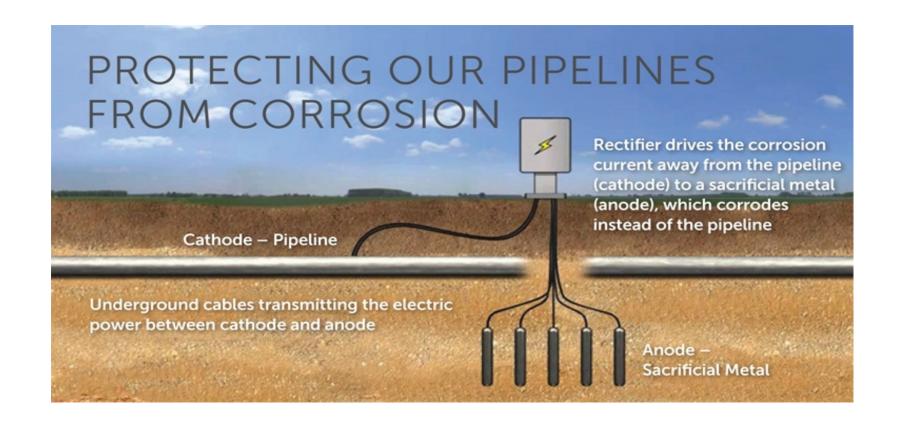
Justification:

The condition assessment in 2019 found that most of Greeley's transmission pipes were unprotected from corrosion, likely due to electrical isolation and continuity issues. Numerous studies have shown that a proactive, comprehensive external corrosion control program can extend the life of an asset nearly indefinitely. Corrosion remains the #1 threat to today's aging infrastructure and if not properly mitigated, can result in operational outages, substantial repair or replacement costs, and/or life-threatening and environmental damage. A properly designed and implemented external corrosion control program can be implemented for less than 10% of the total replacement cost of an asset, therefore making it a viable and cost-effective solution to maintain critical infrastructure.

Impact on Operating Budget:

Properly maintained corrosion protection will reduce the likelihood of leaks in the transmission system.

		Previous 3		2023 Revised							
GL Account	Description	Years	2022 Actual	Budget	2024	2025	2026	2027	2028	Future	Grand Total
Revenue											
	Fund Balance			-	582,300	642,900	360,000	360,000	360,000	250,000	2,555,200
Total I	Revenue			-	\$582,300	\$642,900	\$360,000	\$360,000	\$360,000	\$250,000	\$2,555,200
Expense											
8202	Construction			-	491,000	557,000	300,000	300,000	300,000	250,000	2,198,000
8204	Contingency			-	49,100	55,700	30,000	30,000	30,000	=	194,800
8229	Professional Services			-	37,200	25,200	25,000	25,000	25,000	-	137,400
8232	Project Management - Labor			-	5,000	5,000	5,000	5,000	5,000	-	25,000
Total	Expense			-	\$582,300	\$642,900	\$360,000	\$360,000	\$360,000	\$250,000	\$2,555,200
Net Total				-	-	-	-	-	-	-	-



Zone 4 Electrical Upgrade

Project Number: 423New7 Budget Year: 2024

Division: Water Capital Projects **Council Priority:** Sustainable Infrastructure & Mobility

Project Type: Water Replacement Transmission & Regions:

Fund: Water Capital Replacement Location: 40.393355, -104.887573

Project Manager: Unassigned Budget Unit #: Unassigned

Project Status: Funded

Description:

Upgrade of the electrical equipment serving the distribution system for Zone 4 at the Gold Hill tank site. The project will be to replace and relocate the Variable Frequency Drives (VFD) for the water pumps used at the tank site. Additionally, the project will replace the electrical transformers and other equipment that have reached their end of life and simultaneously upgrade the safety and protection for personnel on the site.

Discussion of Progress:

Lead times of up to two years are forecasted for new electrical transformers so the schedule is to order those and the VFDs in 2024 with construction planned for 2026.

Justification:

The current electrical equipment serving Zone 4 at the Gold Hill tank site is at end of life. The transformer needs to be replaced to due to making a lot of noise. The VFDs for the water pumps are located in the pump station underground and need to be relocated to the upstairs electrical building. Having the VFD below grade in the pump station is a safety risk to the operators and maintenance staff. If the electrical equipment fails, the pump station will be without power, and it increases the risk of someone getting killed or hurt in the in the event of a fault in the vault.

		Previous 3		2023 Revised						
GL Account	Description	Years	2022 Actual	Budget	2024	2025	2026	2027	2028	Grand Total
Revenue										
	Fund Balance	-	-	-	305,000	-	350,000	-		- 655,000
Total	Revenue	-	-	-	\$305,000	-	\$350,000	-		- \$655,000
Expense										
8202	Construction	-	-	-	-	-	300,000	-		- 300,000
8204	Contingency	-	-	-	-	-	50,000	-		- 50,000
8229	Professional Services	-	-	-	30,000	-	-	-		- 30,000
8244	Capital Equipment >\$5,000	-	-	-	275,000	-	-	-		- 275,000
Total	Expense	-	-	-	\$305,000	-	\$350,000	-		- \$655,000
Net Total		-	-	-	-	-	-	-	•	-

Water and Sewer Facilities Program

Project Number: 12674 Budget Year: 2024

Division: Water Capital Projects **Council Priority:** Sustainable Infrastructure & Mobility

Project Type: Water Replacement Transmission & Distribution **Regions:** 1- 16 St North/35 Ave East

Fund: Water Capital Replacement Location: TBD

Project Manager: Cadee Oakleaf Budget Unit #: 4234401870010000000000

Project Status: Funded

Description:

A site will be developed to house water and sewer, public works, and CPRD crews.

Discussion of Progress:

Multiple site locations were evaluated by City Staff in the first part of 2020 for consideration. A site was selected off of F-Street for further evaluation through a feasibility study started in 2021. The feasibility study includes evaluation for occupancy by Water and Sewer, Public Works, and Culture Parks and Recreation.

Design is planned for 2024 with construction in 2025-2027.

Justification:

Water and Sewer field operations staff need to move out of the City's A Street facility to free up additional space for Public Works staff. In addition, the building that the water crews are currently housed in is in poor condition and is not centrally located resulting in significant travel times for staff to get to the west side of the City. Public Works and CPRD also need additional space and it was determined that economically and for functionality a shared facility was in the best interest of the City.

Impact on Operating Budget:

Will add efficiencies to the operations staff and decrease maintenance costs on equipment.

		Previous 3		2023 Revised						
GL Account	Description	Years	2022 Actual	Budget	2024	2025	2026	2027	2028	Grand Total
Revenue										_
	Fund Balance	67,827	-	-	775,000	16,420,000	2,165,000	65,000	-	19,492,827
Total	Revenue	\$67,827	-	-	\$775,000	\$16,420,000	\$2,165,000	\$65,000	-	\$19,492,827
Expense				-						-
8202	Construction	-	-	-	-	14,000,000	-	-	-	14,000,000
8204	Contingency	-	-	-	-	1,120,000	100,000	-	-	1,220,000
8208	Furniture, Fixtures & Equipment	-	-	-	-	-	1,000,000	-	-	1,000,000
8226	Permits, Fees, Etc	-	-	-	-	25,000	-	-	-	25,000
8229	Professional Services	5,541	-	-	750,000	1,250,000	1,000,000	-	-	3,005,541
8232	Project Management	61,283	-	-	-	-	-	-	-	61,283
Total	Expense	\$67,827	-	-	\$775,000	\$16,420,000	\$2,165,000	\$65,000	-	\$19,492,827
Net Total		-	-	-	-	-	-	-	-	_



Utility Billing Replacement-Water

Project Number: 12662 Budget Year: 2024

Division: Water Capital Projects **Council Priority:** Sustainable Infrastructure & Mobility

Project Type:Water Replacement Transmission & DistributionRegions:0 - All WardsFund:Water Capital ReplacementLocation:Citywide

Project Manager: Erik Dial Budget Unit #: 4234401870010000000000

Project Status: Funded

Description:

The current Utility Billing software (called Customer Information Systems, or a CIS, in the utility business) is at its end of life. It will be replaced with a new system that will significantly enhance customer service and reporting capabilities. Staff had started the process to select a new CIS in 2019 and 2020, but paused to enable City staff to focus on the ERP project that was nearing completion. A new CIS is needed to meet the expected customer service level for Greeley's utility customers.

Discussion of Progress:

A solicitation will begin in May 2023 and a vendor will likely be selected by the end of 2023 or the start of 2024.

Justification:

The current Utility Billing software is currently being supported by the vendor, but it is not being enhanced and is falling behind in it's competitors in it's ability to support Greeley's customers. A new system is needed. This will be funded by the Water, Sewer, and Stormwater funds.

Revenue Detail:

The new CIS will enable a number of important changes to billing practices that are not possible with the current system.

Impact on Operating Budget:

The annual maintenance for the CIS will increase when Greeley transitions to a new system.

		Previous 3		2023 Revised						
GL Account	Description	Years	2022 Actual	Budget	2024	2025	2026	2027	2028	Grand Total
Revenue										
	Fund Balance	72,462	-	4,489,246	5,250,000	-	-	-		- 9,811,708
Total I	Revenue	\$72,462	-	\$4,489,246	\$5,250,000	-	-	-		- \$9,811,708
Expense										
8208	Furniture, Fixtures & Equipment	652	-	8,800	50,000	-	-	-		- 59,452
8229	Professional Services	71,810	-	4,245,446	4,550,000	-	-	-		- 8,867,256
8232	Project Management - Labor	-	-	235,000	650,000	-	-	-		- 885,000
Total	Expense	\$72,462	-	\$4,489,246	\$5,250,000	-	-	-		- \$9,811,708
Net Total		-	-	-	-	-	-	-		



City of Greeley Director of Finance P.O. Box 1928 Greeley, CO 80632-1928

Statement of Account for Utility Service(s)

THIS BILL SHOWS A PREVIOUS AMOUNT DUE. PLEASE REMIT AT EARLIEST CONVENIENCE. IF PYMT HAS BEEN MADE, THANK YOU.

ACCOUNT INFORMATION Account Number 222-22222-22 Service 2000 GREELEY AVENUE CT Location Persons in Household: 4 Irrigable Area: 7799 METER INFORMATION

METER INFORMATION								
Meter ID		Curr Read			Usage			
97403425U	09/28	/50	08/28	700	50			

BUDGET: Indoor 7 Ou	itdoor	21	Total 28
RESIDENTIAL WATER	Used	Rate	Amount
Water Budget (0% to 100%)	28	3.97	\$108.64
Inefficient Use (>100% to 130%)	9	4.85	\$42.66
Excessive Use (>130% to 150%)	5	6.62	\$30.20
Unsustainable Use (>150%)	8	8.82	\$68.96
Base Charge			\$11.83

\$165.74-

\$10.74

\$262.29

\$15.72

\$11.09

_	(Usage	in thou	usand	gallor	is)	
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CURRENT CHARGES	\$289.10
TOTAL DUE ON 10/18/17	\$299.84

WATER CONSERVATION MESSAGES

Water Budget

HOW DO YOU MEASURE UP? CHECK OUT YOUR WATER BUDGET AT WWW.EFFICIENCYREWARDED.COM WHAT IS IT?, UPDATE YOUR PROFILE, FAQS, CHECK OUT THE WATER BUDGET WEBMAP, SIGNUP FOR WATERSMART AND MORE...

THE WATER CONSERVATION PROGRAM OFFERS FREE AUDITS. WINTER IS THE TIME TO GET AN INDOOR AUDIT OR SIGN UP FOR A SPRINKLER SYSTEM AUDIT NEXT SUMMER. SIGN UP AT GREELEYGOV.COM/AUDITS OR CALL 970-336-4229

LEAK ALERT POTENTIAL LEAK HAS BEEN DETECTED PLEASE MAKE ANY NECESSARY REPAIRS

QUESTIONS? CALL 970-350-9260

TO PAY YOUR BILL USING YOUR DEBIT OR CREDIT CARD WITH NO ADDITIONAL FEES, GO TO WWW.GREELEYGOV.COM/UTILITYBILL

PARA PAGAR SU FACTURA CON TARJETA DE DEBITO O CREDITO SIN CARGOS ADICIONALES, VAYA A: WWW.GREELEYGOV.COM/UTILITYBILL

YOUR STORMWATER FEE IS CALCULATED USING THE SQFT SHOWN BELOW. QUESTIONS? CALL 970-336-4074 Stormwater SQFT: 12201

DETACH AT PERFORATION AND RETURN WITH YOUR REMITTANCE									
Account Number	Service Location	Due Date	Amount Due	Amount Enclosed					
222-22222-22	2000 GREELEY AVENUE CT	10/18/17	\$289.10						

Payments Bal Fwd

RESIDENTIAL WATER

RESIDENTIAL SEWER

STORMWATER



City of Greeley Director of Finance P.O. Box 1928 Greeley, CO 80632-1928

GREELEY CUSTOMER 2 2000 GREELEY AVENUE CT GREELEY CO 80634

19069-814068010000539848

Treated Water Reservoir Rehabilitation

Project Number: 12652 Budget Year: 2024

Division: Water Capital Projects **Council Priority:** Sustainable Infrastructure & Mobility

Project Type:Water Replacement Transmission & Regions:0 - All WardsFund:Water Capital ReplacementLocation:Citywide

Project Manager: Adam Prior Budget Unit #: 4234401890100000000000

Project Status: Funded

Description:

This project will fund the required rehabilitation of the four treated water tanks and reservoirs. The projects may include pumps, motors, structural repairs, floating covers, asphalt driveways, and other miscellaneous reservoir related rehabilitation requirements. This is an on-going project. (2023-2025 will address potential pump and motor replacements at Zone 4 pump and Tower and Mosier.)

Discussion of Progress:

Planning in progress for replacements at Gold Hill and Mosier.

Justification:

Council priority to maintain critical infrastructure. Concrete and steel reservoir and tanks require major structural repairs and maintenance approximately every 20 years. These 4 major facilities also contain numerous large pumps and control valves that also need repairs and maintenance in addition to the maintenance of the respective reservoir sites.

		Previous 3		2023 Revised							
GL Account	Description	Years	2022 Actual	Budget	2024	2025	2026	2027	2028	Future	Grand Total
Revenue											
	Fund Balance	125,270	28,515	4,232,836	574,500	435,500	279,500	207,500	873,500	947,500	7,704,622
Total	Revenue	\$125,270	\$28,515	\$4,232,836	\$574,500	\$435,500	\$279,500	\$207,500	\$873,500	\$947,500	\$7,704,622
Expense											_
8202	Construction	14,267	28,515	2,672,476	437,325	319,175	186,575	125,375	691,475	550,375	5,025,558
8204	Contingency	-	-	50,000	50,000	50,000	50,000	50,000	50,000	250,000	550,000
8208	Furniture, Fixtures & Equipment	-	-	31,796	-	-	-	-	-	-	31,796
8212	Land/Building Cost/Demolition	-	-	1,058,420	-	-	-	-	-	-	1,058,420
8224	Operating Supplies	51,924	-	58,000	-	-	-	-	-	-	109,924
8229	Professional Services	26,386	-	286,443	77,175	56,325	32,925	22,125	122,025	97,125	720,529
8232	Project Management	32,694	-	-	-	-	-	-	-	-	32,694
8244	Capital Equipment >\$5,000	-	-	35,701	-	-	-	-	-	-	35,701
Total	Expense	\$125,270	\$28,515	\$4,232,836	\$574,500	\$435,500	\$279,500	\$207,500	\$873,500	\$947,500	\$7,704,622
Net Total		-	-	-	-	-	-	-	-	-	-



Instrumentation & Controls - Water

Project Number: 12556 Budget Year: 2024

Division: Water Capital Projects **Council Priority:** Sustainable Infrastructure & Mobility

Project Type:Water Replacement Transmission & Regions:5- Outside CityFund:Water Capital ReplacementLocation:Citywide

Project Manager: Mathew Finch Budget Unit #: 42344018900500000000000

Project Status: Funded

Description:

This program replaces and refurbishes instruments and control systems known as SCADA (Supervisory Control and Data Acquisition). These devices are used to operate water and sewer systems, including recording data required by regulation and measurement and control of various chemicals. This is an on-going project.

Discussion of Progress:

Ongoing annual program to maintain the water system I&C.

Justification:

Instrumentation and controls wear out or become obsolete over time, requiring replacement or major refurbishment. Refurbishment typically occurs at the facilities of the local supplier or manufacturer. City instrumentation technicians perform the replacement projects. This account includes instruments at all water facilities and pipelines.

		Previous 3		2023 Revised							
GL Account	Description	Years	2022 Actual	Budget	2024	2025	2026	2027	2028	Future	Grand Total
Revenue											
	Fund Balance	489,918	10,069	214,116	196,000	196,000	196,000	196,000	196,000	980,000	2,674,103
5761	Other Rebates	4,900	-	-	-	-	-	-	-	-	4,900
Total	Revenue	\$494,818	\$10,069	\$214,116	\$196,000	\$196,000	\$196,000	\$196,000	\$196,000	\$980,000	\$2,679,003
Expense											
8202	Construction	11,849	-	50,000	50,000	50,000	50,000	50,000	50,000	250,000	561,849
8204	Contingency	-	-	17,800	18,000	18,000	18,000	18,000	18,000	90,000	197,800
8208	Furniture, Fixtures &	73,628	-	54,874	50,000	50,000	50,000	50,000	50,000	250,000	628,502
8216	Miscellaneous	7,618	-	5,000	5,000	5,000	5,000	5,000	5,000	25,000	62,618
8224	Operating Supplies	170,710	2,030	5,000	5,000	5,000	5,000	5,000	5,000	25,000	227,739
8229	Professional Services	21,493	-	63,000	63,000	63,000	63,000	63,000	63,000	315,000	714,493
8232	Project Management	183,828	-	-	-	-	-	-	-	-	183,828
8244	Capital Equipment >\$5,000	25,692	8,039	18,442	5,000	5,000	5,000	5,000	5,000	25,000	102,173
Total	Expense	\$494,818	\$10,069	\$214,116	\$196,000	\$196,000	\$196,000	\$196,000	\$196,000	\$980,000	\$2,679,003
Net Total		-	-	-	-	-	-	-	-	_	-

Meter Replacement

Project Number: 12575 Budget Year: 2024

Division: Water Capital Projects **Council Priority:** Sustainable Infrastructure & Mobility

Project Type:Water Replacement Transmission & Regions:0 - All WardsFund:Water Capital ReplacementLocation:Citywide

Project Manager: John Goin Budget Unit #: 423440189009000000000

Project Status: Funded

Description:

This program funds the replacement of both large and small water meters and their related components as they wear out or fail; this is an on-going project.

Discussion of Progress:

This project is the replacement of existing failing water meters with more accurate meters and improved communications. Advanced metering infrastructure (AMI) is a communication tool that enables nearly constant communication between the water meter and the utility. Meter readings can occur every 15 minutes, making leak detection much more effective.

Justification:

Meter accuracy is paramount for revenue collection, therefore all meters and end-points are replaced when they fail, which is approximately every ten to fifteen years. In 2014, a new federal law requires any new meter to the system be constructed with "no-lead". These meters cost approximately 50% more than the current system meters and requires any meter removed for maintenance be replaced with a no-lead meters.

		Previous 3		2023 Revised							
GL Account	Description	Years	2022 Actual	Budget	2024	2025	2026	2027	2028	Future	Grand Total
Revenue											
	Fund Balance	525,160	30,004	101,068	100,000	100,000	100,000	100,000	100,000	500,000	1,656,232
Total I	Revenue	\$525,160	\$30,004	\$101,068	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$500,000	\$1,656,232
Expense											_
8208	Furniture, Fixtures &	81,671	30,004	85,068	80,000	80,000	80,000	80,000	80,000	400,000	996,742
8216	Miscellaneous	14,170	-	6,000	10,000	10,000	10,000	10,000	10,000	50,000	120,170
8224	Operating Supplies	394,200	-	10,000	10,000	10,000	10,000	10,000	10,000	50,000	504,200
8229	Professional Services	7,500	-	-	-	-	-	-	-	-	7,500
8232	Project Management	27,619	-	-	-	-	-	-	-	-	27,619
Total	Expense	\$525,160	\$30,004	\$101,068	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$500,000	\$1,656,232
Net Total		-	-	-	-	-	-	-	-	-	_



Transmission System Rehabilitation

Project Number: 12649 Budget Year: 2024

Division: Water Capital Projects **Council Priority:** Sustainable Infrastructure & Mobility

Project Type: Water Replacement Transmission & Regions: 5- Outside City

Fund: Water Capital Replacement Location: Citywide and Along the Major Transmission Line from Bellvue and Boyd Filter Plants

Project Status: Funded

Description:

This project will fund all types of required rehabilitation or replacement of the treated water transmission system. Projects may include the protection of pipe joints, pipe replacement, cathodic protection, lining of pipe, minor upgrades, and repairs to piping for protection prior to impending development. This is an on-going project in part utilizing inhouse design and construction.

Discussion of Progress:

Annual project to rehab the aging portions of the transmission system.

Justification:

Council priority to maintain critical infrastructure. This program is intended to maintain and protect assets worth over \$105,000,000 (replacement value) and restore and prolong the useful life of the 138 miles of older pipeline. Bellvue's pipelines were constructed between 1923-1969 and 31 miles have been rehabilitated by cement mortar or poly lining. The Boyd lines were constructed in 1967 and 1973. The rehabilitation schedule will be adjusted to meet the most pressing priority.

GL Account	Description	Previous 3 Years	2022 Actual	2023 Revised Budget	2024	2025	2026	2027	2028	Future	Grand Total
Revenue	2000.puo										
	Fund Balance	5,289,048	1,653,258	2,484,276	1,046,000	1,046,000	1,046,000	1,046,000	1,046,000	5,230,000	19,886,582
4322	State Pass Through	86,252	-	-	-	-	-	-	-	-	86,252
4789	Expense Reimbursement	557,215	-	-	-	-	-	-	-	-	557,215
Total	Revenue	\$5,932,516	\$1,653,258	\$2,484,276	\$1,046,000	\$1,046,000	\$1,046,000	\$1,046,000	\$1,046,000	\$5,230,000	\$20,530,050
Expense											
8202	Construction	5,253,183	1,562,675	2,264,742	800,000	800,000	800,000	800,000	800,000	4,000,000	17,080,600
8204	Contingency	44,406	-	59,777	120,000	120,000	120,000	120,000	120,000	600,000	1,304,183
8208	Furniture, Fixtures & Equipment	4,746	-	-	-	-	-	-	-	-	4,746
8212	Land/Building Cost/Demolition	-	-	4,000	10,000	10,000	10,000	10,000	10,000	50,000	104,000
8216	Miscellaneous	97	-	1,000	1,000	1,000	1,000	1,000	1,000	5,000	11,097
8224	Operating Supplies	64,537	-	25,000	50,000	50,000	50,000	50,000	50,000	250,000	589,537
8226	Permits, Fees, Etc	309	-	10,000	25,000	25,000	25,000	25,000	25,000	125,000	260,309
8229	Professional Services	393,780	-	114,757	25,000	25,000	25,000	25,000	25,000	125,000	758,537
8232	Project Management	132,580	-	-	-	-	-	-	-	-	132,580
8233	Project Management - Benefits	1,000	-	-	-	-	-	-	-	-	1,000
8235	Real Estate - Internal Chgs Only	-	90,583	-	-	-	-	-	-	-	90,583
8244	Capital Equipment >\$5,000	9,790	-	-	-	-	-	-	-	-	9,790
Total	Expense	\$5,932,516	\$1,653,258	\$2,484,276	\$1,046,000	\$1,046,000	\$1,046,000	\$1,046,000	\$1,046,000	\$5,230,000	\$20,530,050
Net Total		-	-	-	-	-	-	-	-	-	-



Distribution Pipeline Replacement

Project Number: 12525 Budget Year: 2024

Division: Water Capital Projects **Council Priority:** Sustainable Infrastructure & Mobility

Project Type:Water Replacement Transmission & Regions:0 - All WardsFund:Water Capital ReplacementLocation:Citywide

Project Manager: Rebecca Andrus Budget Unit #: 4234401890040000000000

Project Status: Funded

Description:

This will provide replacement and/or rehabilitation of pipes that exhibit corrosion or have a leak history. Pipes that are too small are replaced and enlarged to increase flow capacity. Various rehabilitation methods such as cement mortar lining, swage lining, and pipe bursting may be used. Every two years projects are prioritized based on paving project coordination and other factors. Projects are split between COG crews and CMAR contract crews.

Discussion of Progress:

Annual project for rehabilitation of the city's extensive water distribution system. Budget includes estimated costs for unforeseen leak and breakages.

Justification:

Council priority to maintain critical infrastructure. This program reduces the number of emergency repairs and customer complaints by improving the flow quantity and service for customers and fire protection. Water quality is also improved and chlorination is more effective.

		Duardana 2		2022 Payland							
GL Account	Description	Previous 3 Years	2022 Actual	2023 Revised Budget	2024	2025	2026	2027	2028	Future	Grand Total
Revenue	•										
	Fund Balance	6,542,559	491,797	3,010,332	2,400,000	2,324,000	2,134,000	1,719,000	2,096,000	10,480,000	31,197,688
Total	Revenue	\$6,542,559	\$491,797	\$3,010,332	\$2,400,000	\$2,324,000	\$2,134,000	\$1,719,000	\$2,096,000	\$10,480,000	\$31,197,688
Expense											
8202	Construction	3,010,186	479,029	2,557,063	1,910,000	1,864,000	1,864,000	1,449,000	1,800,000	9,000,000	23,933,278
8204	Contingency	140,159	-	-14,223	200,000	175,000	100,000	100,000	126,000	630,000	1,456,936
8208	Furniture, Fixtures &	8,846	-	-	-	-	-	-	-	-	8,846
8212	Land/Building	-	-	50,000	50,000	-	-	-	-	-	100,000
8216	Miscellaneous	51	-	-	-	-	-	-	-	-	51
8224	Operating Supplies	389,481	12,768	50,000	50,000	100,000	100,000	100,000	100,000	500,000	1,402,249
8226	Permits, Fees, Etc	31,072	-	25,000	25,000	25,000	10,000	10,000	10,000	50,000	186,072
8229	Professional Services	-	-	243,492	150,000	150,000	50,000	50,000	50,000	250,000	943,492
8232	Project Management	2,939,578	-	-	-	-	-	-	-	-	2,939,578
8244	Capital Equipment >\$5,000	5,129	-	84,000	-	-	-	-	-	-	89,129
Total	Expense	\$6,542,559	\$491,797	\$3,010,332	\$2,400,000	\$2,324,000	\$2,134,000	\$1,719,000	\$2,096,000	\$10,480,000	\$31,197,688
Net Total		-	-	-	-	-	-	-	-	-	-



Fire Hydrant Replacement

Project Number: 12540 Budget Year: 2024

Division: Water Capital Projects **Council Priority:** Sustainable Infrastructure & Mobility

Project Type:Water Replacement Transmission & Regions:0 - All WardsFund:Water Capital ReplacementLocation:Citywide

Project Manager: Mark Uhland Budget Unit #: 4234401890030000000000

Project Status: Funded

Description:

This program will replace substandard fire hydrants and applicable branch piping, gate valves, and asphalt. Repair of asphalt and street damage caused by water truck loading at hydrants is also included. This is an on-going project.

Discussion of Progress:

Ongoing annual program.

Justification:

The Water staff and Fire department personnel plans to increase the amount of hydrants replaced each year as staff time and funding allows (15 in 2024, 20 in 2025, 25 in 2026, 30 in 2027, 35 in 2028-2033). Labor for replacing and performing hydrant maintenance is charged to the operating account. The system has 3,800 hydrants with an expected service life of 50 years.

We have tagged this project to the Sustainable Infrastructure council priority, however providing guarantees of functioning fire hydrants has a positive impact on the Safe and Secure Communities council priority and ensures a high insurance rating for the city lowering costs for homeowners and businessowners.

		Previous 3		2023 Revised							
GL Account	Description	Years	2022 Actual	Budget	2024	2025	2026	2027	2028	Future	Grand Total
Revenue											
	Fund Balance	94,015	-	165,597	215,000	240,000	300,000	360,000	420,000	2,100,000	3,894,288
4464	Labor & Materials	1,260	-	-	-	-	-	-	-	-	1,260
4789	Expense Reimbursement	994	-	-	-	-	-	-	-	-	994
5812	Damages Recovered	21,745	525	-	-	-	-	-	-	-	22,270
Total	Revenue	\$118,014	\$525	\$165,597	\$215,000	\$240,000	\$300,000	\$360,000	\$420,000	\$2,100,000	\$3,918,812
Expense											
8202	Construction	10,000	-	38,000	75,250	84,000	105,000	126,000	147,000	735,000	1,320,250
8204	Contingency	-	-	-	7,525	8,400	10,500	12,600	14,700	73,500	127,225
8216	Miscellaneous	-	-	4,000	3,225	3,600	4,500	5,400	6,300	31,500	58,525
8224	Operating Supplies	102,330	-	123,597	129,000	144,000	180,000	216,000	252,000	1,260,000	2,406,927
8226	Permits, Fees, Etc	1,072	201	-	-	-	-	-	-	-	1,273
8232	Project Management	4,612	-	-	-	-	-	-	-	-	4,612
Total	Expense	\$118,014	\$201	\$165,597	\$215,000	\$240,000	\$300,000	\$360,000	\$420,000	\$2,100,000	\$3,918,812
Net Total		-	\$324	-	-	-	-	-	-	-	-



Valve Replacement

Project Number: 12664 Budget Year: 2024

Division: Water Capital Projects **Council Priority:** Sustainable Infrastructure & Mobility

Project Type:Water Replacement Transmission & Regions:0 - All WardsFund:Water Capital ReplacementLocation:Citywide

Project Manager: Mark Uhland Budget Unit #: 4234401890020000000000

Project Status: Funded

Description:

This project replaces inoperable valves. The life expectancy varies from twenty-five to fifty years depending on valve size and maintenance/operation. This is an on-going project.

Discussion of Progress:

Ongoing annual program.

Justification:

The replacement program ensures that system valves are able to be located, in operating condition and are in the correct operating position (open or closed). Replacement valves are obtained through the Transmission/Distribution division's inventory budget. The system has approximately 12,000 valves. With the implementation of Cityworks it is expected that the Valve Replacement program will become more active as the backlog of inoperative and end-of-life valves is identified and addressed.

Impact on Operating Budget:

This is replacement of aging or broken infrastructure. The operations budget will not be negatively affected by this work.

		Previous 3		2023 Revised							
GL Account	Description	Years	2022 Actual	Budget	2024	2025	2026	2027	2028	Future	Grand Total
Revenue											
	Fund Balance	272,799	413	100,000	176,400	240,000	240,000	240,000	240,000	1,200,000	2,709,612
Total	Revenue	\$272,799	\$413	\$100,000	\$176,400	\$240,000	\$240,000	\$240,000	\$240,000	\$1,200,000	\$2,709,612
Expense											
8202	Construction	3,599	-	10,000	44,100	60,000	60,000	60,000	60,000	300,000	597,699
8204	Contingency	-	-	-	4,410	6,000	6,000	6,000	6,000	30,000	58,410
8216	Miscellaneous	-	-	2,000	4,410	6,000	6,000	6,000	6,000	30,000	60,410
8224	Operating Supplies	218,432	413	84,000	123,480	168,000	168,000	168,000	168,000	840,000	1,938,325
8226	Permits, Fees, Etc	4,282	=	2,000	-	-	-	-	-	=	6,282
8229	Professional Services	-	-	2,000	-	-	-	-	-	-	2,000
8232	Project Management	46,486	-	-	-	-	-	-	-	-	46,486
Total	Expense	\$272,799	\$413	\$100,000	\$176,400	\$240,000	\$240,000	\$240,000	\$240,000	\$1,200,000	\$2,709,612
Net Total		-	-	-	-	-	-	-	-	-	-



Capital Outlay Replacement - Water

Project Number: 12510 Budget Year: 2024

Division: Water Capital Projects **Council Priority:** Sustainable Infrastructure & Mobility

Project Type:Water Replacement Transmission & Regions:0 - All WardsFund:Water Capital ReplacementLocation:Citywide

Project Status: Funded

Description:

This program replaces major rolling stock: pickups, tractor backhoes, loaders, compressors, dump trucks, and other identified replacement capital items.

Discussion of Progress:

Ongoing equipment replacement

Justification:

This will replace rolling stock that has reached the end of its economic life. This will help maintain the equipment's ability to perform daily tasks and handle emergency calls.

Impact on Operating Budget:

Keeping fleet age from being excessive controls maintenance costs.

		Previous 3		2023 Revised							
GL Account	Description	Years	2022 Actual	Budget	2024	2025	2026	2027	2028	Future	Grand Total
Revenue											
	Fund Balance	1,206,276	164,317	1,102,780	912,207	1,799,480	1,870,836	1,980,727	1,116,897	2,037,986	12,191,506
4787	Other	-	-	965,077	-	-	-	-	-	-	965,077
5801	Sales Of Fixed Assets	83,828	-	-	-	-	-	-	-	-	83,828
Total F	Revenue	\$1,290,104	\$164,317	\$2,067,857	\$912,207	\$1,799,480	\$1,870,836	\$1,980,727	\$1,116,897	\$2,037,986	\$13,240,411
Expense											_
8142	Construction	775,897	-	1,112,175	445,911	1,415,374	1,458,212	1,848,308	829,615	741,890	8,627,382
8144	Transportation/Vehicles	367,026	146,164	731,271	329,263	294,506	272,962	60,419	237,282	987,005	3,425,898
8149	Other Machinery And	99,679	18,153	224,411	137,033	89,600	139,662	72,000	50,000	309,091	1,139,629
8232	Project Management	47,502	-	-	-	-	-	-	-	-	47,502
Total E	Expense	\$1,290,104	\$164,317	\$2,067,857	\$912,207	\$1,799,480	\$1,870,836	\$1,980,727	\$1,116,897	\$2,037,986	\$13,240,411
Net Total		-	-	-	-	-	-	-	-	-	-



Distribution System Model & Master Plan Update

Project Number: 12526 Budget Year: 2024

Division: Water Capital Projects **Council Priority:** Sustainable Infrastructure & Mobility

Project Type:Water Replacement Transmission & DistributionRegions:0 - All WardsFund:Water Capital ReplacementLocation:Citywide

Project Manager: John Goin **Budget Unit #:** 42344018901300000000000

Project Status: Funded

Description:

Engineering Study to determine what water distribution system improvements are necessary to accommodate future growth and system improvements. The project began with the development of a water Distribution Model in 2019. The master plans then utilized this model to evaluate water quality, fire flows, system capacities, and plans for future growth.

Discussion of Progress:

Update to the plan and model scheduled for 2026.

Justification:

Council priority to plan and develop critical infrastructure. This tool will help facilitate timely and efficient planning to determine the most cost effective improvements required for new development and system improvements.

		Previous 3		2023 Revised						
GL Account	Description	Years	2022 Actual	Budget	2024	2025	2026	2027	2028	Grand Total
Revenue										
	Fund Balance	503,737	22,233	31,513		290,000	610,000	-		- 1,457,484
4341	Local Government Grants	442	-	-			-	-		- 442
4781	Sales Of Publications	1,464	60	-			-	-		- 1,524
Total I	Revenue	\$505,643	\$22,293	\$31,513		- \$290,000	\$610,000	-		- \$1,459,449
Expense										_
8202	Construction	80,924	-	-			-	-		- 80,924
8229	Professional Services	307,539	4,752	31,513		- 275,000	575,000	-		- 1,193,804
8232	Project Management	110,349	17,541	-			-	-		- 127,891
Total I	Expense	\$505,643	\$22,293	\$31,513		- \$290,000	\$610,000	-		- \$1,459,449
Net Total		-	-	-			-	=		-

Advanced Metering Infrastructure

Project Number: 12478 Budget Year: 2024

Division: Water Capital Projects **Council Priority:** Sustainable Infrastructure & Mobility

Project Type:Water Replacement Transmission & DistributionRegions:0 - All WardsFund:Water Capital ReplacementLocation:Citywide

Project Manager: John Goin **Budget Unit #**: 4234401890040000000000

Project Status: Funded

Description:

This project is the replacement of existing failing water meters with more accurate meters and improved communications. Advanced metering infrastructure (AMI) is a communication tool that enables nearly constant communication between the water meter and the utility. Meter readings will occur every 15 minutes, making leak detection much more effective. Water savings could be significant and it will increase customer service capabilities.

Discussion of Progress:

The contractor (UMS) successfully replaced 12,500 meters as part of Phase I and II in December 2022, and will be continuing into Phase III in spring of 2023, with another 7,000 to 9,000 additional meters, and is expected to be complete by May 2025.

In 2022 the city received a 2 million dollar WaterSmart grant to purchase the meters used in this project.

Justification:

Some of the existing meters batteries have been failing and some meters are beyond the expected life span of the meters. The W&S Department received a \$1.48 million USBR WaterSmart grant in the spring of 2020. This grant will support the City in the replacement of 14,500 meters or about have the meters within the system. It is also estimated that water savings could be significant with the ability to see leaks quickly on the customer services.

Impact on Operating Budget:

A budget increase request is being submitted for 2024 to cover the 0.89 / meter / month service charge for the AMI meters being installed.

		Previous 3		2023 Revised						
GL Account	Description	Years	2022 Actual	Budget	2024	2025	2026	2027	2028	Grand Total
Revenue										
	Fund Balance	697,712	798,812	7,432,347	-	785,000	-	-	-	8,498,871
4311	Federal Grants	1,478,450	-	-	2,000,000	-	-	-	-	3,478,450
5801	Sales Of Fixed Assets	-4,308	-	-	-	-	-	-	-	-4,308
Total	Revenue	\$2,171,854	\$798,812	\$7,432,347	\$2,000,000	\$785,000	-	-	-	\$11,973,013
Expense										
8202	Construction	127,835	281,603	1,168,530	650,000	650,000	-	-	-	2,877,969
8204	Contingency	6,693	-	384,112	100,000	100,000	-	-	-	590,805
8208	Furniture, Fixtures & Equipment	1,555,562	516,593	5,764,601	-	-	-	-	-	7,836,756
8216	Miscellaneous	5	-	-	-	-	-	-	-	5
8224	Operating Supplies	-	114	-	-	-	-	-	-	114
8226	Permits, Fees, Etc	-	502	-	-	-	-	-	-	502
8229	Professional Services	-	-	104	-	-	-	-	-	104
8232	Project Management	479,114	-	-	-	-	-	-	-	479,114
8244	Capital Equipment >\$5,000	843	-	-	-	-	-	-	-	843
Total	Expense	\$2,171,854	\$798,812	\$7,432,347	\$785,000	\$785,000	-	-	-	\$11,973,013
Net Total		-	-	-	\$1,215,000	-	-	-	-	-



Transmission Line Customers Re-Route

Project Number: 12648 Budget Year: 2024

Division: Water Capital Projects **Council Priority:** Sustainable Infrastructure & Mobility

Project Type: Water Replacement Transmission & Regions: 5- Outside City

Fund: Water Capital Replacement Location: Along the Bellvue Transmission Line

Project Manager: Rebecca Andrus Budget Unit #: 4234401880040000000000

Project Status: Funded

Description:

The city has a number of water customers who are connected along the Bellvue Transmission Line. This project would remove them from Greeley's water system and connect them to other water providers in their area.

Discussion of Progress:

In 2022 the City removed the 34 customers off the top of the system that is located in Laporte.

Justification:

During development of the Bellvue Transmission system many years ago, it appears the easement cost was exchanged for connection to the transmission lines. This plan made sense when developed but as the system grew and demands increased in Greeley the operation of the system is greatly influenced by these customer connections. In winter months the system has limitations on how staff can operate without eliminating service to these transmission line customers. To remove customers it is likely that Greeley will need to buy connections to other water providers in the area and build needed infrastructure to eliminate the connection to the Greeley Bellvue Transmission system.

Revenue Detail:

There would be a very small decrease in revenue, but the benefit of not having to serve customers outside Greeley's water service area would outweigh the minimal lost revenue.

		Previous 3		2023 Revised							
GL Account	Description	Years	2022 Actual	Budget	2024	2025	2026	2027	2028	Future	Grand Total
Revenue											
	Fund Balance	-	-	732,797	250,000	250,000	250,000	250,000	250,000	1,250,000	3,232,797
Total I	Revenue	-	-	\$732,797	\$250,000	\$250,000	\$250,000	\$250,000	\$250,000	\$1,250,000	\$3,232,797
Expense											
8202	Construction	-	-	681,797	75,000	75,000	75,000	75,000	75,000	375,000	1,431,797
8204	Contingency	-	-	3,000	-	-	-	-	-	=	3,000
8212	Land/Building Cost/Demolition	-	-	5,000	-	-	-	-	-	-	5,000
8226	Permits, Fees, Etc	-	-	5,000	175,000	175,000	175,000	175,000	175,000	875,000	1,755,000
8229	Professional Services	-	-	28,000	-	-	-	-	-	-	28,000
8232	Project Management - Labor	-	-	10,000	-	-	-	-	-	-	10,000
Total	Expense	-	-	\$732,797	\$250,000	\$250,000	\$250,000	\$250,000	\$250,000	\$1,250,000	\$3,232,797
Net Total		-	-	-	-	-	-	-	-	-	-



Bellvue Switchgear Replacement

Project Number: 423New10 Budget Year: 2024

Division: Water Capital Projects **Council Priority:** Sustainable Infrastructure & Mobility

Project Type: Water Replacement Treatment **Regions:**

Fund: Water Capital Replacement Location: 4505 Filter Plant Rd, Bellvue, CO 80512

Project Manager: Unassigned Budget Unit #: Unassigned

Project Status: Funded

Description:

The project is for the replacement of the medium voltage electrical switchgear equipment at the Bellvue Water Treatment Plant (WTP).

Discussion of Progress:

Planning is in progress in 2023, parts will be ordered in 2024 and 2025 and construction is planned for 2026.

Justification:

The Bellvue WTP medium voltage switchgear is at end of life and is over 30 years old. We have had several fuses blow due to the main switchgear having a bad cartridge. This will start to happen on the other two switchgears if we do not replace them.

Impact on Operating Budget:

Will reduce time spent by staff assessing electrical issues at the Bellvue WTP.

		Previous 3		2023 Revised						
GL Account	Description	Years	2022 Actual	Budget	2024	2025	2026	2027	2028	Grand Total
Revenue										
	Fund Balance	-	-	-	250,000	170,000	300,000	-		- 720,000
Total	Revenue	-	-	-	\$250,000	\$170,000	\$300,000	-		- \$720,000
Expense										
8202	Construction	-	-	-	-	-	300,000	-		- 300,000
8229	Professional Services	-	_	-	-	20,000	-	-		- 20,000
8244	Capital Equipment >\$5,000	-	-	-	250,000	150,000	-	-		- 400,000
Total	Expense	-	-	-	\$250,000	\$170,000	\$300,000	-		- \$720,000
Net Total		-	-	-	-	-	-	-		



Bellvue Filter Media Replacement

Project Number: 423New8 Budget Year: 2024

Division: Water Capital Projects **Council Priority:** Sustainable Infrastructure & Mobility

Project Type: Water Replacement Treatment **Regions:**

Fund: Water Capital Replacement Location: 4505 Filter Plant Rd, Bellvue, CO 80512

Project Manager: Unassigned Budget Unit #: Unassigned

Project Status: Funded

Description:

The Bellvue Water Treatment Plant treatment train BEN includes Filters for treating water to reduce turbidity which is necessary to ensure that disinfection is effective. The filters use a media tailored for the condition of the source water being treated. The media is degraded over time and use and eventually needs to be replaced (approximately every 10 years).

Discussion of Progress:

Assessment and design are planned for 2025 with replacement and construction in 2026 if needed.

Justification:

The filter media is reaching its expected life. An analysis of the media will verify the lifespan left in the media. When the media is replaced a underdrain, blowers, and air scour will be installed to remain in compliance with Federal and State regulations.

Impact on Operating Budget:

TB1 will be the primary treatment train at Bellvue during construction.

		Previous 3		2023 Revised							
GL Account	Description	Years	2022 Actual	Budget	2024		2025	2026	2027	2028	Grand Total
Revenue											_
	Fund Balance	-	-	-		-	290,000	2,800,000	-		- 3,090,000
Total	Revenue	-	-	-		-	\$290,000	\$2,800,000	-		- \$3,090,000
Expense											
8202	Construction	-	-	-		-	-	2,500,000	-		- 2,500,000
8204	Contingency	-	-	-		-	20,000	250,000	-		- 270,000
8229	Professional Services	-	-	-		-	250,000	-	-		- 250,000
8232	Project Management - Labor	-	-	-		-	20,000	50,000	-		- 70,000
Total	Expense	-	-	-		-	\$290,000	\$2,800,000	-		- \$3,090,000
Net Total		-	-	-		-	=	-	-		



Bellvue Flocculator and Sedimentation Building Rehabilitiation

Project Number: 423New9 Budget Year: 2024

Division: Water Capital Projects **Council Priority:** Sustainable Infrastructure & Mobility

Project Type: Water Replacement Treatment **Regions:**

Fund: Water Capital Replacement Location: 4505 Filter Plant Rd, Bellvue, CO 80512

Project Manager: Unassigned Budget Unit #: Unassigned

Project Status: Funded

Description:

The Bellvue WTP Focculator and Sedimentation Building that is part of the BEN treatment train is in need of rehabilitation.

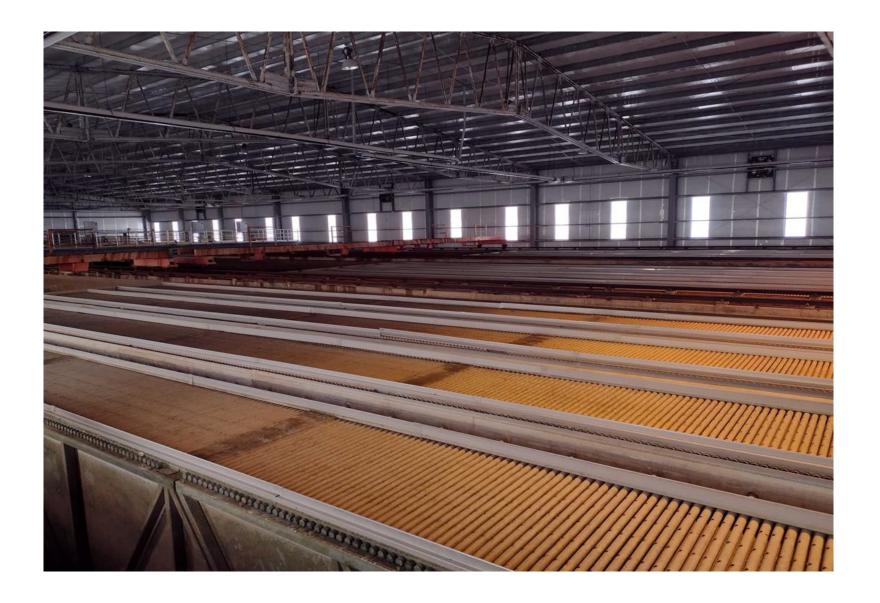
Discussion of Progress:

Design and assessment are planned for 2024 with construction in 2025-2026.

Justification:

The basins were constructed in 1946 and the building exterior was built in 1991. The building is showing signs of deterioration and rust. Lack of air flow is creating a humid environment and water is also leaking from the roof. Both can damage electrical systems and create a corrosive environment. Prolonging the life of this building will delay the need to build TB2.

		Previous 3		2023 Revised						
GL Account	Description	Years	2022 Actual	Budget	2024	2025	2026	2027	2028	Grand Total
Revenue										
	Fund Balance	-	-	-	300,000	543,750	443,750	-		1,287,500
Total I	Revenue	-	-	-	\$300,000	\$543,750	\$443,750	-		\$1,287,500
Expense										_
8202	Construction	-	-	-	-	275,000	275,000	-		550,000
8204	Contingency	-	-	-	-	68,750	68,750	-		137,500
8229	Professional Services	-	-	-	300,000	150,000	50,000	-		500,000
8232	Project Management - Labor	-	-	-	-	50,000	50,000	-		100,000
Total	Expense	-	=	-	\$300,000	\$543,750	\$443,750	-		\$1,287,500
Net Total		-	-	-	-	-	-	-		-



Water Treatment Plants Master Plan

Project Number: N735 Budget Year: 2024

Division: Water Capital Projects **Council Priority:** Sustainable Infrastructure & Mobility

Project Type: Water Replacement Treatment Regions: 5- Outside City

Fund: Water Capital Replacement Location: Bellvue and Boyd Water Treatment Plants

Project Manager: Peter Champion Budget Unit #: 423New5

Project Status: Funded

Description:

Master plan for planning project needs in the future for the City's two water plants.

Discussion of Progress:

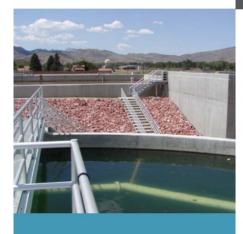
Planned for 2024.

Justification:

The master plan is used to set priority to CIP projects and allows optimization of available funds to maximize efficiency and results.

		Previous 3		2023 Revised						
GL Account	Description	Years	2022 Actual	Budget	2024	2025	2026	2027	2028	Grand Total
Revenue										
	Fund Balance	-	=	-	790,000	-	-	-		- 790,000
Total I	Revenue	-	-	-	\$790,000	=	-	-		- \$790,000
Expense										
8204	Contingency	-	-	-	100,000	-	-	-		100,000
8229	Professional Services	-	-	-	650,000	-	-	-		- 650,000
8232	Project Management - Labor	-	-	-	40,000	-	-	-		- 40,000
Total I	Expense	-	-	-	\$790,000	-	-	-		- \$790,000
Net Total			-	-	-	-	-	-		-





City of Greeley

Executive Summary

Water Treatment Plant Needs Assessment Task Series 100 – Executive Summary

Denver, CO September 19, 2016

FD3

F) September 19, 2016 | 1

Bellvue 20 MGD Treatment Train - Ph 2

Project Number: N771 Budget Year: 2024

Division: Water Capital Projects **Council Priority:** Sustainable Infrastructure & Mobility

Project Type: Water Replacement Treatment Regions: 5- Outside City

Fund: Water Capital Replacement **Location:** 4505 Filter Plant Rd, Bellvue, CO

Project Manager: Peter Champion Budget Unit #: Unassigned

Project Status: Funded

Description:

20 MGD replacement of the old flocculation/sedimentation and 1958 and 1964 filters.

Discussion of Progress:

Project is planned to start in 2033.

Justification:

This is the next phase of treatment upgrade at the Bellvue WTP. This will replace the remaining portion of the old part of the plant the was constructed in the 1950's brining the treatment plant up to today's CDPHE requirements.

		Previous 3		2023 Revised							
GL Account	Description	Years	2022 Actual	Budget	2024	2025	2026	2027	2028	Future	Grand Total
Revenue											
	Fund Balance	-	· -	-	-	-	-	-	-	4,410,000	4,410,000
Total I	Revenue	-	-	-	-	-	-	-	-	\$4,410,000	\$4,410,000
Expense											
8202	Construction	-	-	-	-	-	-	-	-	3,500,000	3,500,000
8204	Contingency	-	-	-	-	-	-	-	-	500,000	500,000
8229	Professional Services	-	-	-	-	-	-	-	-	350,000	350,000
8232	Project Management - Labor	-	-	-	-	-	-	-	-	60,000	60,000
Total I	Expense	-	-	-	-	-	-	-	-	\$4,410,000	\$4,410,000
Net Total		-	_	-	-	-	-	-	-	-	-



Boyd Microstrainer Building Remodel

Project Number: N772 Budget Year: 2024

Division: Water Capital Projects **Council Priority:** Sustainable Infrastructure & Mobility

Project Type: Water Replacement Treatment **Regions:** 5- Outside City

Fund: Water Capital Replacement Location: 3119 E Eisenhower Blvd, Loveland, CO

Project Manager: Peter Champion Budget Unit #: Unassigned

Project Status: Funded

Description:

Remodel microstrainer building to meet current building code and expand space

Discussion of Progress:

Project is scheduled to start in 2029.

Justification:

The Boyd Lake WTP does not have adequate office space for staff. The Microstrainer building is no longer housing chemicals and the microstrainers are obsolete. The remodel of the building will bring it up to current code as well as create usable office/clean shop space for staff.

Cl Assessment	Description	Previous 3 Years	2022 Actual	2023 Revised Budget	2024	2025	2026		2027	2028	Future	Cuand Tatal
GL Account Revenue	Description	rears	2022 Actual	buuget	2024	2025	2020	1	2027	2028	ruture	Grand Total
Revenue	Fund Balance			-	-		-	-	-	-	2,020,000	2,020,000
Total I	Revenue			-	-		-	-	-	-	\$2,020,000	\$2,020,000
Expense												
8202	Construction			-	-		-	-	-	-	1,500,000	1,500,000
8204	Contingency			-	-		-	-	-	-	200,000	200,000
8229	Professional Services		-	-	-		-	-	-	-	250,000	250,000
8232	Project Management - Labor			-	-		-	-	-	-	70,000	70,000
Total I	Expense			-	-		-	-	-	-	\$2,020,000	\$2,020,000
Net Total				-	-		-	-	-	-	=	-



Bellvue Water Treatment Plant General Rehabilitation

Project Number: 12493 Budget Year: 2024

Division: Water Capital Projects **Council Priority:** Sustainable Infrastructure & Mobility

Project Type:Water Replacement TreatmentRegions:5- Outside CityFund:Water Capital ReplacementLocation:Bellvue Filter Plant

Project Manager: Stephen Goodwin Budget Unit #: 4234401890080000000000

Project Status: Funded

Description:

This is an annual project for the rehabilitation of buildings, heating/ventilating/air conditioning (HVAC) systems, pumps and motors, electrical replacements, chemical storage & metering, valves, and compressors. For 2024, this includes rehabilitation of the BEN sed barn and HVAC in the chem building.

Discussion of Progress:

Ongoing planning, design, procurement, and construction.

Justification:

These items will help to maintain operational reliability, effectiveness, and improve efficiency for continued compliance with Federal and State regulations and fulfill the Water & Sewer department mandates.

		Previous 3		2023 Revised							
GL Account	Description	Years	2022 Actual	Budget	2024	2025	2026	2027	2028	Future	Grand Total
Revenue											
	Fund Balance	1,215,752	171,063	500,000	625,000	565,000	615,000	645,000	645,000	3,225,000	8,206,815
Total	Revenue	\$1,215,752	\$171,063	\$500,000	\$625,000	\$565,000	\$615,000	\$645,000	\$645,000	\$3,225,000	\$8,206,815
Expense				-						,	-
8202	Construction	689,548	162,381	375,000	425,000	370,000	500,000	525,000	525,000	2,625,000	6,196,928
8204	Contingency	-	-	10,000	85,000	20,000	50,000	50,000	50,000	250,000	515,000
8208	Furniture, Fixtures &	51,550	-	20,000	20,000	25,000	15,000	15,000	15,000	75,000	236,550
8224	Operating Supplies	1,407	-	-	-	-	-	-	-	-	1,407
8229	Professional Services	62,105	863	50,000	10,000	50,000	10,000	10,000	10,000	50,000	252,967
8232	Project Management	110,043	7,820	-	-	-	-	-	-	-	117,863
8244	Capital Equipment >\$5,000	295,370	-	20,000	60,000	75,000	15,000	20,000	20,000	100,000	605,370
Total	Expense	\$1,215,752	\$171,063	\$500,000	\$625,000	\$565,000	\$615,000	\$645,000	\$645,000	\$3,225,000	\$8,206,815
Net Total		-	-	-	-	-	-	-	-	-	-



Boyd Water Treatment Plant - General Rehabilitation

Project Number: 12502 Budget Year: 2024

Division: Water Capital Projects **Council Priority:** Sustainable Infrastructure & Mobility

Project Type:Water Replacement TreatmentRegions:5- Outside CityFund:Water Capital ReplacementLocation:Boyd Filter Plant

Project Manager: Stephen Goodwin Budget Unit #: 4234401890110000000000

Project Status: Funded

Description:

This project consists of replacing the combined filter effluent finished water hatch on the east side of the filter building. The existing hatch is set at grade of the sidewalk and is in need of replacement. The new hatch will be raised to add more protection against water infiltration into the finished water. The planned work also includes rehab of the existing sludge cross collector system located in the sedimentation basin. There are some various heaters at the plant that are in need of replacement that is planned to occur as well. Project also includes the purchase of a mass spectrometer that will be used for lab testing.

Discussion of Progress:

Ongoing planning, design, procurement, and construction. The plan for 2023 is to procure and install a new fluoride skit to be located by the influent of the clearwell. The new fluoride system will allow the use of super sacks to improve operator maintenance. This new system being located outside of the Microstrainer building will lead the way for the future planned remodel of the building. Remodel of the back office into the new water quality lab.

Justification:

These items will help maintain operational reliability, effectiveness, and improve efficiency for continued compliance with Federal and State regulations. They will also help to fulfill Water and Sewer department mandates.

		Previous 3		2023 Revised							
GL Account	Description	Years	2022 Actual	Budget	2024	2025	2026	2027	2028	Future	Grand Total
Revenue											
	Fund Balance	892,579	124,684	713,795	525,000	495,000	580,000	450,000	475,000	2,375,000	6,631,058
5761	Other Rebates	12,148	-	-	-	-	-	-	-	-	12,148
Total	Revenue	\$904,727	\$124,684	\$713,795	\$525,000	\$495,000	\$580,000	\$450,000	\$475,000	\$2,375,000	\$6,643,206
Expense											
8202	Construction	753,615	121,999	623,795	450,000	400,000	500,000	300,000	350,000	1,750,000	5,249,409
8204	Contingency	-	-	25,000	20,000	25,000	25,000	50,000	25,000	125,000	295,000
8208	Furniture, Fixtures &	18,648	=	20,000	15,000	25,000	15,000	25,000	25,000	125,000	268,648
8216	Miscellaneous	5,141	=	-	-	-	-	25,000	25,000	125,000	180,141
8224	Operating Supplies	62,684	=	-	-	-	-	-	-	=	62,684
8229	Professional Services	22,418	2,686	-	-	-	-	-	-	-	25,104
8232	Project Management	38,537	-	-	-	-	-	-	-	-	38,537
8244	Capital Equipment >\$5,000	-	-	20,000	15,000	20,000	15,000	25,000	25,000	125,000	245,000
Total	Expense	\$904,727	\$124,684	\$713,795	\$525,000	\$495,000	\$580,000	\$450,000	\$475,000	\$2,375,000	\$6,643,206
Net Total		-	-	-	-	-	-	-	-	-	



Boyd WTP Process Improvements

Project Number: 12501 Budget Year: 2024

Division: Water Capital Projects **Council Priority:** Sustainable Infrastructure & Mobility

Project Type:Water Replacement TreatmentRegions:5- Outside CityFund:Water Capital ReplacementLocation:Boyd Filter Plant

Project Manager: Stephen Goodwin Budget Unit #: 4234401890110000000000

Project Status: Funded

Description:

Design & construct improvements to enable the plant to operate during winter, improve water quality with additional contact time with powder activated carbon, better interaction of treatment chemicals, and replacement of significantly aging electrical infrastructure.

Discussion of Progress:

Upgrades to winterize the plant are complete. Installation of the ozone treatment system is being postponed to 2033 to see what impact the recent improvements have had.

Justification:

The plant is inoperable during the winter. If the 2013 flood would have compromised both transmission lines instead of one, shutting Bellvue down for 6 months, Boyd would not have been able to sustain operations once freezing weather set in. Emergency interconnects for short durations are reliant on unused capacity at the time of other purveyors. The prposed improvements will improve water quality, operations costs, and winterization of the plant for essential infrastructure. The improvements would include a new chemical building and piping, and future treatment process upgrades.

Impact on Operating Budget:

Will result in increased operations and maintenance at plant when goal of year-round operation is reached.

		Previous 3		2023 Revised							
GL Account	Description	Years	2022 Actual	Budget	2024	2025	2026	2027	2028	Future	Grand Total
Revenue											_
	Fund Balance	11,306,303	138,603	3,100,000	-	-	100,000	-	-	23,000,000	37,644,906
4789	Expense Reimbursement	11,600	-	-	-	-	-	-	-	-	11,600
5761	Other Rebates	11,600	-	-	-	-	-	-	-	-	11,600
Total I	Revenue	\$11,329,503	\$138,603	\$3,100,000	-	-	\$100,000	-	-	\$23,000,000	\$37,668,106
Expense											_
8202	Construction	8,933,858	5,459	2,350,000	-	-	-	-	-	22,600,000	33,889,317
8204	Contingency	100,062	-	-	-	-	-	-	-	-	100,062
8216	Miscellaneous	47	=	-	-	-	-	-	-	-	47
8229	Professional Services	1,743,387	133,144	700,000	-	-	100,000	-	-	350,000	3,026,532
8232	Project Management	544,047	-	-	-	-	-	-	-	-	544,047
Total I	Expense	\$11,329,503	\$138,603	\$3,100,000	-	-	\$100,000	-	-	\$23,000,000	\$37,668,106
Net Total		-	-	-	-	-	-	-	-	-	-

Boyd Pump Station Intake Valve Replacement

Project Number: N618 Budget Year: 2024

Division: Water Capital Projects **Council Priority:** Sustainable Infrastructure & Mobility

Project Type: Water Replacement Treatment **Regions:** 5- Outside City

Fund: Water Capital Replacement Location: Boyd Lake Pump Station

Project Manager:Peter ChampionBudget Unit #:423New6Project Status:Funded

Description:

Replacement of the of the non-working intake valve at the Boyd Lake pump station

Discussion of Progress:

Planned for replacement in 2026.

Justification:

The valve close not currently operate and is needed for proper operation of the intake structure. With the valve not working we are at risk of not being able to operate the intake structure in low water situations resulting in not having source water for the Boyd WTP.

		Previous 3		2023 Revised						
GL Account	Description	Years	2022 Actual	Budget	2024	2025	2026	2027	2028	Grand Total
Revenue										
	Fund Balance	-	-	-		-	- 520,000	-		- 520,000
Total I	Revenue	-	-	-		-	- \$520,000	-	•	- \$520,000
Expense										
8202	Construction	-	·	-		-	- 400,000	-		- 400,000
8204	Contingency	-	-	-		-	- 100,000	-		- 100,000
8232	Project Management - Labor	-	-	-		-	- 20,000	-	-	- 20,000
Total I	Expense	-	-	-		-	- \$520,000	-		- \$520,000
Net Total		-	_	-		-	-			



Boyd Sedimentation Basin Repair

Project Number: 12500 Budget Year: 2024

Division: Water Capital Projects **Council Priority:** Sustainable Infrastructure & Mobility

Project Type: Water Replacement Treatment Regions: 5- Outside City

Fund: Water Capital Replacement Location: Boyd Lake Water Treatment Plant, 3119 E Eisenhower Blvd, Loveland, CO 80537

Project Manager: Stephen Goodwin Budget Unit #: 4234401890110000000000

Project Status: Funded

Description:

Repair of the concrete sedimentation basin at the Boyd Lake water treatment plant. This includes resurfacing of the concrete walls and re sloping the concrete floor for proper drainage.

Discussion of Progress:

Started in 2022 with further work postponed till 2026.

Justification:

The concrete sedimentation basin at the Boyd Lake water treatment plant needs repair. The concrete is spalling and the aggregate is exposed. The walls need to be resurfaced to prevent any further damage. The floor of the basin is not sloped correctly and needs to be addressed.

		Previous 3		2023 Revised						
GL Account	Description	Years	2022 Actual	Budget	2024	2025	2026	2027	2028	Grand Total
Revenue										_
	Fund Balance	-	-	815,000	-		- 900,000	-		- 1,715,000
Total	Revenue	-	-	\$815,000	-		- \$900,000	-		- \$1,715,000
Expense				-						
8202	Construction	-	-	750,000	-		- 750,000	-		- 1,500,000
8204	Contingency	-	-	25,000	-		- 100,000	-		- 125,000
8229	Professional Services	-	-	30,000	-		- 30,000	-		- 60,000
8232	Project Management - Labor	-	-	10,000	-		- 20,000	-		- 30,000
Total	Expense	-	-	\$815,000	-		- \$900,000	-		- \$1,715,000
Net Total		-	-	-	-			-		-





Fund 424 Water Acquisition

Response and Management to Northern Integrated Supply Project

Project Number: 424New3 Budget Year: 2024

Division: Water Capital Projects **Council Priority:** Sustainable Infrastructure & Mobility

Project Type: Regions:

Fund:Water Rights AcquisitionLocation:CitywideProject Manager:UnassignedBudget Unit #:Unassigned

Project Status: Funded

Description:

The Northern Integrates Supply Project obtained the U.S. Army Corps of Engineers federal Clean Water Act Section 404 Record of Decision in December, 2022. This signals the completion of the federal permitting process for the project, therefore triggering the need for Greeley to prepare to protect its water rights within its legal bounds. Secondarily, the approval of the Northern Integrated Supply Project (NISP) was contingent on the distribution of "adaptive management" projects and funds that the City needs to be sure to leverage when necessary.

Discussion of Progress:

The project is contingent on the steps taken by Northern Water, the city will respond accordingly based off of their timeline.

Justification:

As identified in the Integrated Water Resource Plan, Greeley's Poudre River supplies are vital to the long-term reliability of the Cities Water Rights. Because of the location and operations of the NISP project, it could directly affect water availability, water quality and current operations of the Greeley water resource system. Particularly in danger is the Bellvue Water Treatment Plant owned by Greeley just downstream on the Poudre River from the proposed diversion to the NISP Reservoir; an asset with a replacement cost estimated to be at least \$80M. Secondarily, the NISP adaptive management funds will be distributed as described in the federal permitting. There will be opportunity for the City to possibly leverage these funds to mitigate the effect of the project on the Greeley system. Greeley has already spent incredible investment to protect its resources from the project and it is prudent to continue to.

Impact on Operating Budget:

There is an operating budget increase request that will cover ongoing costs of the adaptive management funds.

		Previous 3		2023 Revised						
GL Account	Description	Years	2022 Actual	Budget	2024	2025	2026	2027	2028	Grand Total
Revenue										
	Fund Balance	-	-	-	500,000	-	-	-		- 500,000
Total	Revenue	-	-	-	\$500,000	-	-	-		- \$500,000
Expense										_
8229	Professional Services	-	-	-	500,000	-	-	-		- 500,000
Total	Expense	-	-	-	\$500,000	-	-	-		- \$500,000
Net Total		-	-	-	-	-	-	-		



Search



Life After Lawn

Project Number: 12570 Budget Year: 2024

Division: Water Capital Projects **Council Priority:** Sustainable Infrastructure & Mobility

Project Type:Water Rights AcquisitionRegions:0 - All WardsFund:Water Rights AcquisitionLocation:Citywide

Project Manager: Dena Egenhoff Budget Unit #: 4244401850010000000000

Project Status: Funded

Description:

This water conservation project is an annual program that will pay eligible water customers to replace bluegrass turf with a more sustainable Water Smart Landscape. Residential and Commercial properties (HOAs, businesses, churches, non-profits, etc.) are the target audiences. Irrigation retrofits are required.

2024 budget includes \$25,000 for indoor fixtures that will be installed by Weld County Americorps volunteers reducing indoor water use through efficiency improvements. This pilot program will look at expanding the Life After Lawn Project to include other water efficiency efforts beyond turf replacements.

Discussion of Progress:

The Life After Lawn (LAL) has grown in popularity. In 2022, over 278,144 square feet of turf has been converted to water-wise landscape with only around \$120,000 investment. In 2023, the Water Conservation program increased the maximum size for rebates from 20,000 square feet to 30,000 square feet to meet our customer demands. Our main interest group has been business properties such as HOAs and places of worship.

Justification:

The Life After Lawn project promotes water conservation through an exchange inefficient bluegrass turf for water efficient landscaping. This will result in water acquisition gains through water savings at the customer-level.

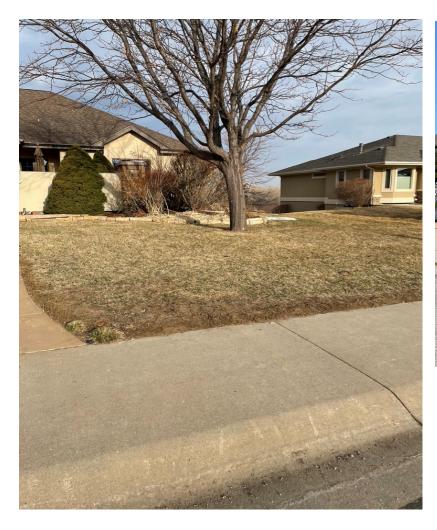
Revenue Detail:

Program reduces the revenue collected though water rates.

Impact on Operating Budget:

Program aims to reduce the size of the need for future water rights acquisitions and mitigate the potential impact of drought on the city.

		Previous 3		2023 Revised							
GL Account	Description	Years 2	2022 Actual	Budget	2024	2025	2026	2027	2028	Future	Grand Total
Revenue											_
	Fund Balance	-	-	153,000	182,000	160,200	163,500	166,800	170,200	851,000	1,846,700
Total I	Revenue	-	-	\$153,000	\$182,000	\$160,200	\$163,500	\$166,800	\$170,200	\$851,000	\$1,846,700
Expense											_
8212	Land/Building	-	-	-	157,000	160,200	163,500	166,800	170,200	851,000	1,668,700
8216	Miscellaneous	-	-	153,000	-	-	-	-	-	-	153,000
8224	Operating Supplies	-	-	-	25,000	-	-	-	-	-	25,000
Total I	Expense	-	-	\$153,000	\$182,000	\$160,200	\$163,500	\$166,800	\$170,200	\$851,000	\$1,846,700
Net Total		-	-	-	-	-	-	-	-	-	-





Non-tributary Groundwater SLB Change Case

Project Number: 12588 Budget Year: 2024

Division: Water Capital Projects **Council Priority:** Sustainable Infrastructure & Mobility

Project Type: Water Rights Acquisition **Regions:** 5- Outside City

Fund: Water Rights Acquisition Location: Terry Ranch Site on WY border between I25 and US85

Project Status: Funded

Description:

File water court application, complete engineering and obtain decree for the change of use of non-tributary groundwater rights in the Laramie Fox aquifer associated with State Land Board lands near Terry Ranch.

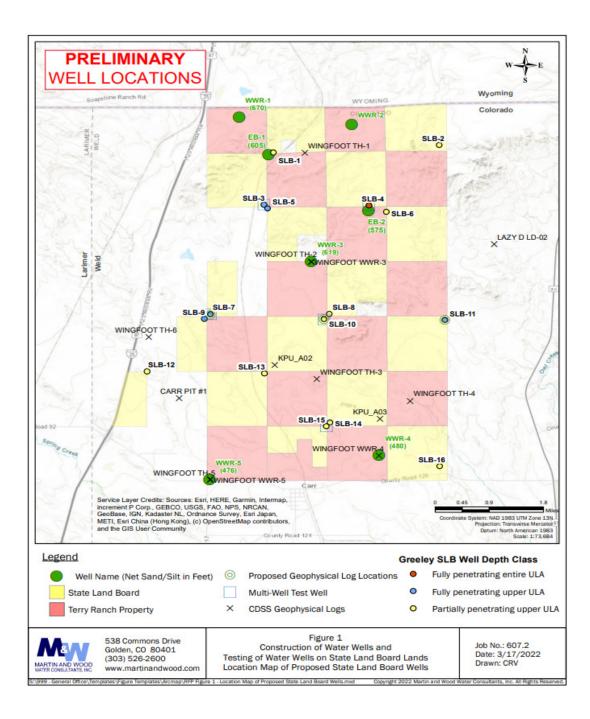
Discussion of Progress:

\$2 million that was appropriated in 2021 for drilling costs is timing out at the end of 2023. The original plan was to complete drilling using these funds during 2023. Unexpectedly, the two bids received in response to Greeley's request for proposals were inconsistent with the budged amount. Therefore, \$2 million needs to be reappropriated in 2024 alongside a budget increase to meet expected drilling costs.

Justification:

These groundwater rights can only be used for municipal uses including augmentation and replacing return flows if they have been changed in court. It is important to file an application and work through the water court process as soon as possible to receive a non-tributary groundwater determination as it will only become harder over time due to increasing opposition in the basin.

GL Account	Description	Previous 3 Years 2022	Actual	2023 Revised Budget	2024	2025	2026	2027	2028	Grand Total
Revenue										
	Fund Balance	-	-	2,562,150	4,900,000	50,000	100,000	-		- 7,612,150
Total I	Revenue	-	-	\$2,562,150	\$4,900,000	\$50,000	\$100,000	-		- \$7,612,150
Expense										
8202	Construction	-	-	2,000,000	4,500,000	-	-	-		- 6,500,000
8229	Professional Services	-	-	562,150	400,000	50,000	100,000	-		- 1,112,150
Total I	Expense	-	-	\$2,562,150	\$4,900,000	\$50,000	\$100,000	-		- \$7,612,150
Net Total		-	-	-	-	-	-	=		



Water Resources Database Build

Project Number: 424New1 Budget Year: 2024

Division: Water Capital Projects **Council Priority:** Sustainable Infrastructure & Mobility

Project Type: Water Rights Acquisition **Regions:**

Fund:Water Rights AcquisitionLocation:CitywideProject Manager:UnassignedBudget Unit #:Unassigned

Project Status: Funded

Description:

Water Resources currently manages over 10 different decree accounting packages that are required for state reporting purposes. This accounting supports millions of dollars in Water Rights and is instrumental in the management and operations of supply. It is important to build a long-term asset that will better utilize staff time, maintain better accuracy, and meet state reporting requirements.

Discussion of Progress:

Anticipate project starting and completing in 2024: The project will begin with construction of the database and increase in time and resources as the database becomes more complex. The budget has been broken down into phases, see attachment, which will guide progress.

Justification:

Data errors and lack of analytical capabilities can waste up to 20 hours per week of staff time within the Water Resources Division. Water Resources controls millions of dollars in Water Rights that are controlled tightly by state requirements. Streamlining analysis will save the city staff salaries and additional full-time positions at least a decade into the future and protect the department from the loss of knowledge that can occur when personnel leave the city. Underutilization of our water resources assets will cost the city additional acquisition budget in the future.

		Previous 3		2023 Revised						
GL Account	Description	Years	2022 Actual	Budget	2024	2025	2026	2027	2028	Grand Total
Revenue										
	Fund Balance	-	-	-	136,800	-	-	-		- 136,800
Total I	Revenue	-	-	-	\$136,800	=	-	-		- \$136,800
Expense										_
8208	Furniture, Fixtures & Equipment	-	-	-	800	-	-	-		- 800
8229	Professional Services	-	-	-	136,000	-	-	-		- 136,000
Total I	Expense	-	-	-	\$136,800	=	-	-		- \$136,800
Net Total		-	-	-	-	-	-	-		-



Integrated Water Resources Plan Update

Project Number: 424New2 Budget Year: 2024

Division: Water Capital Projects **Council Priority:** Sustainable Infrastructure & Mobility

Project Type: Water Rights Acquisition **Regions:**

Fund:Water Rights AcquisitionLocation:CitywideProject Manager:UnassignedBudget Unit #:Unassigned

Project Status: Funded

Description:

The Integrated Water Resource Plan (IWRP) Update is necessary to continue to practice prudent planning for the Water & Sewer department that became the IWRP with Project 12558 in 2021-2023. The IWRP Update project will consist of updating the assumptions built into the original IWRP project including but not limited to: supply indicators, change case outcomes, current consumption and projected demands. The update will leverage annual work conducted by the Water Resource team to adaptively track critical metrics to the department. This update is a critical investment to extend the value of the initial capital project creating the IWRP.

Discussion of Progress:

The project will have a scope of work that outlines tasks and deliverables to be completed within 2 years of project initiation.

Justification:

As identified in the Integrated Water Resource Plan, the purpose of this project is to update the Master Plan known as the Integrated Water Resource Plan. This plan is integral to identification of Critical Infrastructure Projects and investment, most notably the timing and integration of the Terry Ranch project. This project will leverage work conducted internally to adaptively update critical water resource metrics to track the future conditions the city should plan for. It will be used to assist the Water & Sewer department in understanding the constraints and opportunities available in the existing system and an expanded system with Terry Ranch online.

		Previous 3		2023 Revised		2025	2025	200		2020	
GL Account	Description	Years	2022 Actual	Budget	2024	2025	2026	202	2.7	2028	Grand Total
Revenue											
	Fund Balance			-		-	-	-	-	300,000	300,000
Total I	Revenue			-		-	-	-	-	\$300,000	\$300,000
Expense											
8229	Professional Services			-		-	-	-	-	300,000	300,000
Total	Expense					-	-	-	-	\$300,000	\$300,000
Net Total				-		-	-	-	-	-	-

Planning Scenario Name	Climate Warming	Colorado River Basin Impacts	Water Rights Administration	Demand Growth
Unbearable		High		合合合合
Stressed		Moderate		
Continued Trends		Moderate		
Optimistic		Low		
No Climate Change		Low		

Big Thompson Source Water Assessment and Protection Plan

Project Number: 424New4 Budget Year: 2024

Division: Water Capital Projects **Council Priority:** Sustainable Infrastructure & Mobility

Project Type: Water Rights Acquisition **Regions:**

Fund: Water Rights Acquisition Location: 3119 E Eisenhower Blvd, Loveland, CO

Project Manager: Unassigned Budget Unit #: Unassigned

Project Status: Funded

Description:

This project is a multi-year, collaborative effort that will support decision making in the protection of Greeley's source water quality in the Big Thompson Watershed. The first phase will

Discussion of Progress:

Project is planned for 2024.

Justification:

Comprehensive source water protection planning is integral to water supply planning as it is an important tool for understanding the threats to a drinking water source, protecting its availability and quality, and thus, safeguarding public health and preserving the value of water rights and water treatment infrastructure owned by the city. A Source Water Assessment and Protection Plan will assist with planning treatment infrastructure upgrades by clearly identifying water quality concerns in the source, from which the most efficient strategies for treatment can be distilled. A robust plan can also reduce treatment costs, prevent contaminated water from entering the distribution system, and increase collaboration through partnerships in the watershed. Greeley has a long, proud history of securing high quality water through acquisition; however, in the face of emerging contaminants and widespread pollution caused by human development, it is of great importance that the quality of Greeley's source water is continuously guarded.

Revenue Detail:

There is some overlap with a recent \$25K grant from the Colorado Department of Public Health and the Environment (CDPHE) received for water quality sampling and planning related to Per- and Polyfluorinated Substances (PFAS) contamination that will be leveraged with the capital funds.

Impact on Operating Budget:

The Source Water Assessment and the Protection Plan will need to be re-evaluated periodically to update with new sources of contamination alongside human development and future research findings, and to ensure its continued applicability.

		Previous 3		2023 Revised						
GL Account	Description	Years	2022 Actual	Budget	2024	2025	2026	2027	2028	Grand Total
Revenue	·									
	Fund Balance	-	-	-	160,000	-	-	-	8,000	168,000
Total	Revenue	-	-	-	\$160,000	-	-	-	\$8,000	\$168,000
Expense				-						
8216	Miscellaneous	-	-	-	7,000	-	-	-	-	7,000
8224	Operating Supplies	-	-	-	10,000	-	-	-	-	10,000
8229	Professional Services	-	-	-	85,000	-	-	-	8,000	93,000
8232	Project Management - Labor	-	-	-	48,000	-	-	-	-	48,000
8244	Capital Equipment >\$5,000	-	-	-	10,000	-	-	-	-	10,000
Total	Expense	-	-	-	\$160,000	-	-	-	\$8,000	\$168,000
Net Total		-	-	-	-	-	-	-	-	-



Poudre Basin Model Update

Project Number: 424New5 Budget Year: 2024

Division: Water Capital Projects **Council Priority:** Sustainable Infrastructure & Mobility

Project Type: Water Rights Acquisition Regions:

Fund:Water Rights AcquisitionLocation:CitywideProject Manager:UnassignedBudget Unit #:Unassigned

Project Status: Funded

Description:

The Poudre Basin Network Model (PBN) is a model that simulated water supply infrastructure and operations by municipal, industrial and agricultural entities in the Poudre River Basin. The PBN utilizes the Decision Support System MODSIM-DSS (MODSIM is a general-purpose river and reservoir operations simulation model developed at Colorado State University and used worldwide for river system modeling) to quantify the yield for agricultural and municipal entities in the basin. A Post-processor is then used to provide the entitlements from water rights owned by Greeley and integrated into the Greeley System Model. In 2020 Greeley updated the Greeley System Model to reflect current ownership and operations and to update the MODSIM-DSS version in order to be useful given technological advancements. Similarly, the PBN needs to be updated to reflect water rights and operational changes that have occurred in the last decade.

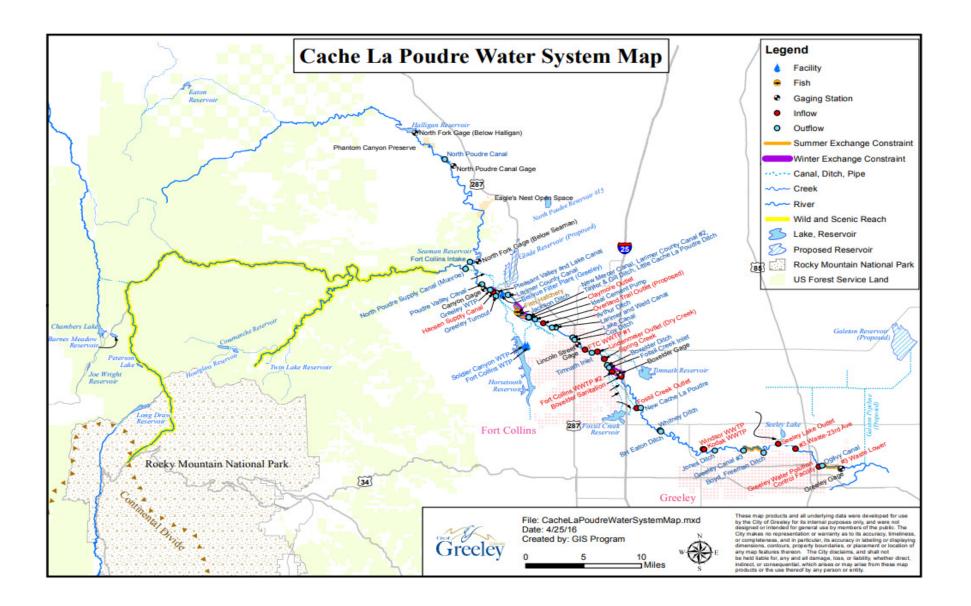
Discussion of Progress:

Project is planned for 2027.

Justification:

The model is used by water users (City of Fort Collins Utilities, Northern Water, and City of Greeley) throughout the Poudre River Basin to quantify the yields of agricultural and municipal water rights, and to provide preliminary estimates of Poudre River streamflows. The last time this model was updated was in 2012, since then there have been small modifications but no large-scale changes. An update to the PBN is needed to reflect the changes in water rights and river operations that have occurred since the last model update. There is a high potential to cost share on this project. The total estimated cost to update the model is \$600,000. Assuming a three-way split of project costs between the other large PBN users (Fort Collins Utilities, Northern Water, and Greeley), Greeley's projected cost is \$200,000.

		Previous 3		2023 Revised							
GL Account	Description	Years	2022 Actual	Budget	2024	2025	2026		2027	2028	Grand Total
Revenue											
	Fund Balance	-	-	-		-	-	-	200,000		200,000
Total	Revenue	-	-	-		-	-	-	\$200,000		\$200,000
Expense				•							-
8229	Professional Services	-	-	-		-	-	-	200,000		200,000
Total	Expense	-	-	-		-	-	-	\$200,000		\$200,000
Net Total		-	-	-		-	-	-	-		



Retiming Storage Investigation

Project Number: 424New6 Budget Year: 2024

Division: Water Capital Projects **Council Priority:** Sustainable Infrastructure & Mobility

Project Type: Water Rights Acquisition **Regions:**

Fund:Water Rights AcquisitionLocation:CitywideProject Manager:UnassignedBudget Unit #:Unassigned

Project Status: Funded

Description:

The storage retiming investigation project will be a modeling project that focuses on modeling exact specifications on operations of water resource storage in the Poudre River watershed. Outcomes of the project will be thorough modeling output, data analysis and a memo outlining the opportunities and constraints of retiming storage options.

Discussion of Progress:

Project will start in 2024 with a scope of work to complete by 2026.

Justification:

As identified in the Integrated Water Resource Plan, the purpose of this study is to evaluate opportunities to optimize Greeley's water resources portfolio through storage retiming, essentially making more efficient use of the resources already owned by the city. This study will be used to assist the Water & Sewer department in understanding the constraints and opportunities available to retime water supplies from runoff to be used in the existing system and an expanded system with Terry Ranch online.

		Previous 3		2023 Revised						
GL Account	Description	Years	2022 Actual	Budget	2024	2025	2026	2027	2028	Grand Total
Revenue										_
	Fund Balance	-	-	-	250,000	-	-	-		250,000
Total I	Revenue	-	-	-	\$250,000	=	=	-		\$250,000
Expense				-						
8229	Professional Services	-	-	-	250,000	-	-	-		250,000
Total	Expense	-	-	-	\$250,000	-	-	-		\$250,000
Net Total		-	-	-	-	=	=	=		

Interruptible Supply and Storage Project / Alternative Transfer Method (ATM)

Project Number: 424New7 Budget Year: 2024

Division: Water Capital Projects **Council Priority:** Sustainable Infrastructure & Mobility

Project Type: Water Rights Acquisition **Regions:**

Fund:Water Rights AcquisitionLocation:CitywideProject Manager:UnassignedBudget Unit #:Unassigned

Project Status: Funded

Description:

Interruptible supply and storage project planning with consultants with the aim of developing Alternative Transfer Methods (ATM) for agricultural and municipal water rights and uses. As well as, the replacement of an aging center pivot sprinkler for the protection and maximized use of Greeley water rights portfolio.

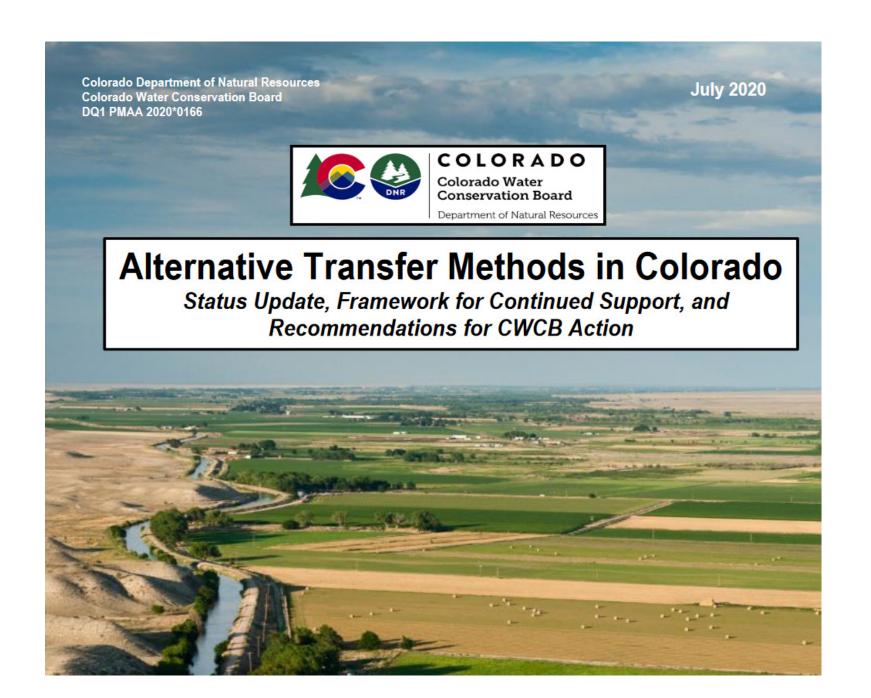
Justification:

The City of Greeley has been working on various water sharing /alternative transfer method projects to secure water supplies that will be able to serve the City's municipal water needs during periods of drought yet remain in agriculture in average or wet years. Our community is located in the heart of Weld County's vast agriculture production and there is a reality setting in that prime farmland which significantly contributes to the Greeley economy is being targeted for buy and dry. The City and its water utility customers will benefit from using this water-sharing budget, matched with other acquisition funds, when they are available, to secure water for Greeley's future and protect strategic agricultural lands that have viable water supplies for meeting drought year needs. A large part of Greeley's acquisition strategy is to by farms with desirable water rights and maintain them until the City needs the water. In 2020 Greeley acquired the 140+/- acre Alm farm property for the associated water rights. A 20-plus-year-old center-pivot sprinkler was included with the farm and this pivot is old, outdated and has started to fail. It can no longer reliably deliver water throughout the irrigation season without water delivery interruptions amd the maintenance/repair costs have been increasing annually.

Impact on Operating Budget:

An Interruptible Supply and Storage Project is expected to reduce the amount of time that staff needs to spend pursuing other water acquisitions. Regarding the center pivot, over the past three years there has been an average of about \$3,000 spent on repairs to keep the pivot operational, this cost is estimated to increase annually as the pivot gets older. By replacing it there will be a minimum annual operation cost for the city. Annual preventative maintenance costs will be covered by the lessee per the leaseback agreement.

		Previous 3		2023 Revised						
GL Account	Description	Years	2022 Actual	Budget	2024	2025	2026	2027	2028	Grand Total
Revenue										
	Fund Balance	-	· -	-	775,000	895,000	775,000	775,000		- 3,220,000
Total I	Revenue	-	-	-	\$775,000	\$895,000	\$775,000	\$775,000		- \$3,220,000
Expense										
8202	Construction	-	-	-	-	120,000	-	-		- 120,000
8212	Land/Building Cost/Demolition	-	-	-	750,000	750,000	750,000	750,000		- 3,000,000
8229	Professional Services	-	-	-	25,000	25,000	25,000	25,000		100,000
Total	Expense	-	-	-	\$775,000	\$895,000	\$775,000	\$775,000		- \$3,220,000
Net Total		-	-	-	-	=	-	-		



Development of Parcel B, Poudre Ponds

Project Number: 12523 Budget Year: 2024

Division: Water Capital Projects **Council Priority:** Sustainable Infrastructure & Mobility

Project Type:Water Rights AcquisitionRegions:5- Outside CityFund:Water Rights AcquisitionLocation:35th Ave. North of F St.

Project Status: Funded

Description:

The Poudre Ponds site is an important non-potable water storage facility that enables Greeley to meet return flow obligations to the Poudre River and supplies non-potable water for irrigation needs. Pond B is currently being mined and will require restoration of the pond banks by seeding. The plan is to plant seed after each side has been mined making this a multi-year project. The Poudre Ponds site is an important non-potable water storage facility that enables Greeley to meet return flow obligations to the Poudre River and supplies non-potable water for irrigation needs. Pond B is currently being mined and will require restoration of the pond banks by seeding. The plan is to plant seed after each side has been mined making this a multi-year project.

Discussion of Progress:

Mining is on going and scheduled to be completed by December 31, 2025 which is the end of the contract with Hall Irwin Construction.

Justification:

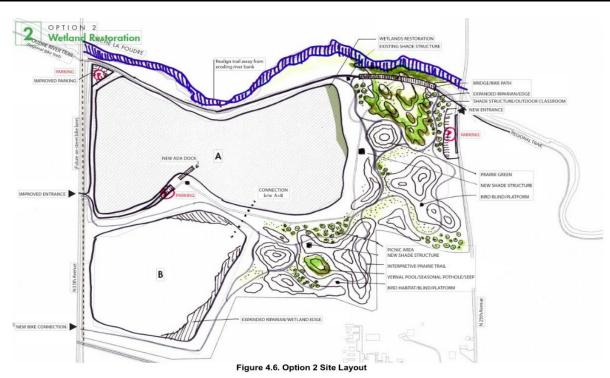
In the vicinity of the Poudre Ponds Recreational Fishery, approximately 1,300 feet downstream of the N35th Ave bridge over the Poudre River, the right bank of the river is actively eroding (and experienced substantial erosion during spring runoff in 2021), threatening the stability and safety of the Poudre River Trail and Poudre Pond's Pond A slurry/containment wall. The actively eroded section of bank measured approximately 65 feet in length, with an additional 45 feet of bank upstream that is showing signs of instability. Downstream of the critical failure, bank protection measures have been installed using various methods from a riprap blanket (260 feet of bank just downstream of the critical bank area) and concrete rubble. During the summer of 2021, emergency bank protection was completed at the site with the use of stacked sandbags to minimize further bank sloughing. While the sandbags provided temporary protection to the riverbank, they were undermined by river flow and destabilized over the course of several weeks.

Seeding will establish native grass growth to help stabilize the soil and reduce obnoxious weed growth.

Revenue Detail:

The water fund receives approximately \$70,000 in royalty revenue each year that mining occurs on the site.

		Previous 3		2023 Revised						
GL Account	Description	Years	2022 Actual	Budget	2024	2025	2026	2027	2028	Grand Total
Revenue										_
	Fund Balance	1,663,619	-	1,811,035	101,000	194,000	131,000	-		- 3,900,654
5636	Royalties	101,278	-	-	-	-	-	-		- 101,278
Total	Revenue	\$1,764,897	-	\$1,811,035	\$101,000	\$194,000	\$131,000	-		- \$4,001,932
Expense										_
8202	Construction	1,178,691	-	1,479,017	73,000	171,000	114,000	-		- 3,015,708
8204	Contingency	-	-	197,062	8,000	18,000	12,000	-		- 235,062
8216	Miscellaneous	180	-	49,956	-	-	-	-		- 50,136
8229	Professional Services	506,484	-	45,000	15,000	-	-	-		- 566,484
8232	Project Management	37,091	-	-	-	-	-	-		- 37,091
Total	Expense	\$1,764,897	-	\$1,811,035	\$101,000	\$194,000	\$131,000	-		- \$4,001,932
Net Total		-	-	-	-	-	=	-		



Overland Trail

Project Number: 12593 Budget Year: 2024

Division: Water Capital Projects **Council Priority:** Sustainable Infrastructure & Mobility

Project Type: Water Rights Acquisition **Regions:** 5- Outside City

Fund:Water Rights AcquisitionLocation:Northwest of Fort CollinsProject Manager:Leah HubbardBudget Unit #:42444018550500000000000

Project Status: Funded

Description:

The Overland Trail Gravel Pits are located NW of Fort Collins. Greeley and the Tri-Districts purchased half of the gravel pits from Lafarge in 2004. The other half were owned by individual land owners; Greeley and Tri-Districts has completed the acquisition of these pits. Ultimately, Greeley's storage will be approximately 2,500 acre-feet. The pits will be used to store potable supplies for the Bellvue filter plant and to meet return flows required by ditch company acquisition. The costs shown are Greeley's portion to be paid to the Tri-Districts which are creating the storage.

Discussion of Progress:

A gravity outlet from Treiber B has been completed allowing releases to be made to the river. A feasibility study for a connection from Overland Ponds to the Pleasant Valley Pipeline has been completed and is the process of being evaluated. Projects for 2024 are being determined.

Justification:

The Water Master Plan intends for the City to develop high quality supplies in the Poudre basin to meet water supply needs prior to the expansion of the Milton Seaman reservoir. The desirable options include building small projects such as the Overland Trail to maximize the value of existing water supplies and of purchased supplies in the future.

		Previous 3		2023 Revised							
GL Account	Description	Years	2022 Actual	Budget	2024	2025	2026	2027	2028	Future	Grand Total
Revenue											_
	Fund Balance	327,384	-	35,000	35,000	35,000	35,000	35,000	35,000	3,000,000	3,537,384
Total	Revenue	\$327,384	-	\$35,000	\$35,000	\$35,000	\$35,000	\$35,000	\$35,000	\$3,000,000	\$3,537,384
Expense											
8202	Construction	-	-	-	-	-	-	-	-	3,000,000	3,000,000
8212	Land/Building Cost/Demolition	324,095	-	-	-	-	-	-	-	=	324,095
8216	Miscellaneous	8	-	-	-	-	-	-	-	=	8
8229	Professional Services	2,849	-	20,000	20,000	20,000	20,000	20,000	20,000	-	122,849
8232	Project Management	432	-	-	-	-	-	-	-	-	432
Total	Expense	\$327,384	-	\$35,000	\$35,000	\$35,000	\$35,000	\$35,000	\$35,000	\$3,000,000	\$3,537,384
Net Total		-	-	-	-	-	-	-	-	-	-

Future Water Acquisition - Phase II

Project Number: 12543 Budget Year: 2024

Division: Water Capital Projects **Council Priority:** Sustainable Infrastructure & Mobility

Project Type:Water Rights AcquisitionRegions:5- Outside CityFund:Water Rights AcquisitionLocation:Citywide

Project Manager: Cole Gustafson Budget Unit #: 42444018550500000000000

Project Status: Funded

Description:

Greeley needs additional water supplies for growth. Water Acquisition Phase II seeks acquisition of 10,000 acre-feet of agricultural water supplies. Surface water supplies, secured via purchase of agricultural water rights, are needed to serve a growing population and for future underground storage in the Terry Ranch Project.

Discussion of Progress:

This funding is required to be reserved annually for water call rights. If we do not get a call on water, we may use the funds to purchase new water rights if there are any available that interests Greeley. This is a contractual obligation until 2044.

Justification:

Greeley's water demands are expected to more than double over the next 50-years. Additional water supplies are needed to meet this future demand. The Water Master Plan intended for the City to develop a Future Water Account (FWA) and to generally identify the water supplies needed for increasing potable firm yield. Supplies identified as being the best fit for the Greeley water system are seeing rapid price escalation (over 20% annually in some cases). Therefore, if the City is going to secure water for its future growth, an active acquisition program should be implemented.

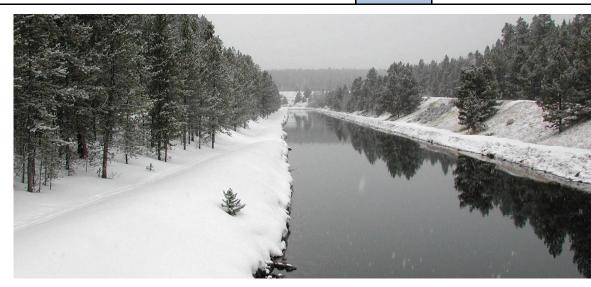
Revenue Detail:

The water fund receives varying amounts of revenue by renting the water supplies back to agriculture and industry. The revenue amount varies year to year depending on water availability.

Impact on Operating Budget:

Water assessment fees increase when the city buys additional shares of ditch company water. The cost varies by the water right acquired.

		Previous 3		2023 Revised							
GL Account	Description	Years	2022 Actual	Budget	2024	2025	2026	2027	2028	Future	Grand Total
Revenue	Description	rears	ZUZZ ACTUAI	Duuget	2024	2023	2020	2027	LULU	Tuture	Grand Total
	Fund Balance	17 500 602		F F02 C00		F FF0 000	F 8F0 000	6 150 000	C 450 000	26 050 000	
		17,508,603	-	5,582,609	5,250,000	5,550,000	5,850,000	6,150,000	6,450,000	36,850,000	89,191,212
4789	Expense Reimbursement	500	-	-	-	-	-	-	-	-	500
53**	Water Rates	-	-	-	1,250,000	1,250,000	1,250,000	1,250,000	1,250,000	6,250,000	12,500,000
5631	Rents From Land	28,900	-	-	-	-	-	-	-	-	28,900
5715	Other-Refund Of Expenditures	491	-	-	-	-	-	-	-	-	491
5759	Other	1,307	-	-	-	-	-	-	-	-	1,307
5788	Other Private Contribution	826,250	-	-	-	-	-	-	-	-	826,250
5801	Sales Of Fixed Assets	240,827	-	-	-	-	-	-	-	-	240,827
6421	Water Fund Cost Allocation	1,500,000	-	-	-	-	-	-	-	-	1,500,000
Total	Revenue	\$20,106,877	=	\$5,582,609	\$6,500,000	\$6,800,000	\$7,100,000	\$7,400,000	\$7,700,000	\$43,100,000	\$104,289,486
Expense											
8202	Construction	717,261	-	-	-	-	-	-	-	-	717,261
8212	Land/Building Cost/Demolition	19,154,048	-	5,315,109	6,275,000	6,560,000	6,845,000	7,130,000	7,415,000	41,675,000	100,369,157
8229	Professional Services	178,780	-	267,500	225,000	240,000	255,000	270,000	285,000	1,425,000	3,146,280
8232	Project Management	53,858	-	-	-	-	-	-	-	-	53,858
8233	Project Management - Benefits	100	-	-	-	-	-	-	-	-	100
Total	Expense	\$20,106,877	-	\$5,582,609	\$6,500,000	\$6,800,000	\$7,100,000	\$7,400,000	\$7,700,000	\$43,100,000	\$104,289,486
Net Total		-	-	-	-	-	-	-	-	-	-



Water Supply & Storage Change Case Ph 2

Project Number: 12672 Budget Year: 2024

Division: Water Capital Projects **Council Priority:** Sustainable Infrastructure & Mobility

Project Type:Water Rights AcquisitionRegions:0 - All WardsFund:Water Rights AcquisitionLocation:Citywide

Project Status: Funded

Description:

File water court application, complete engineering and obtain decree for the change of use of unchanged Water Supply and Storage Company (WSSC) shares.

Discussion of Progress:

Preliminary engineering is almost complete. We are waiting to finalize an acquisition to add to the report and application.

Justification:

Ditch company shares can only be used for municipal uses such as treatment, augmentation and return flow obligations if they have been changed in water court.

		Previous 3		2023 Revised						
GL Account	Description	Years	2022 Actual	Budget	2024	2025	2026	2027	2028	Grand Total
Revenue										
	Fund Balance	60,507	-	193,548	100,000	-	-	-		- 354,055
Total I	Revenue	\$60,507	-	\$193,548	\$100,000	-	-	-		- \$354,055
Expense										
8229	Professional Services	60,507	-	193,548	100,000	-	-	-		- 354,055
Total	Expense	\$60,507	-	\$193,548	\$100,000	-	-	-		- \$354,055
Net Total		-	-	-	-	-	-	-		



Fund 412 Sewer New Construction

Lift Station 9 Flow Diversion

Project Number: 412New1 Budget Year: 2024

Division: Sewer Capital Projects **Council Priority:** Sustainable Infrastructure & Mobility

Project Type: Sewer Construction Collection **Regions:**

Fund: Sewer Construction **Location:** East Greeley from LS9 to E 18th St / Hemlock Ave

Project Manager: Unassigned Budget Unit #: Unassigned

Project Status: Funded

Description:

Construction of 11,200 LF of 21" gravity sewer main from current LS 9 on E. 24th St, east to Hemlock Ave, then north to E. 18th St to proposed East Greeley Lift Station. Contruction will include a 200' bore under Hwy 34. Construction planned for 2028 depending on completion of East Greeley Lift Station.

Discussion of Progress:

The project is scheduled for construction in 2028, with design starting in 2026

Justification:

When Lift Station 9 is replaced by East Greeley Lift Station, all flows currently handled by LS 9 will need to be diverted to E Greeley LS. The proposed project provides a gravity alignment to divert current flows to the new lift station. This line is necessary to abandon LS 9 once the new lift station is operational.

		Previous 3		2023 Revised						
GL Account	Description	Years	2022 Actual	Budget	2024	2025	2026	2027	2028	Grand Total
Revenue										
	Fund Balance	-	-	-	-	-	120,000	1,015,000	7,815,000	8,950,000
Total	Revenue	-	-	-	-	-	\$120,000	\$1,015,000	\$7,815,000	\$8,950,000
Expense										
8202	Construction	-	-	-	-	-	-	-	5,500,000	5,500,000
8204	Contingency	-	-	-	-	-	-	50,000	1,600,000	1,650,000
8212	Land/Building Cost/Demolition	-	-	-	-	-	-	100,000	100,000	200,000
8226	Permits, Fees, Etc	-	-	-	-	-	-	40,000	40,000	80,000
8229	Professional Services	-	-	-	-	-	100,000	800,000	500,000	1,400,000
8232	Project Management - Labor	-	-	-	-	-	20,000	20,000	20,000	60,000
8235	Real Estate - Internal Chgs Only	-	-	-	-	-	-	5,000	-	5,000
9303	Public Art Fund	-	-	-	-	-	-	-	55,000	55,000
Total	Expense	-	-	-	-	-	\$120,000	\$1,015,000	\$7,815,000	\$8,950,000
Net Total		-	-	-	-	-	-	-	-	



North Greeley Sewer Phase 2A

Project Number: 12589 Budget Year: 2024

Division: Sewer Capital Projects **Council Priority:** Sustainable Infrastructure & Mobility

Project Type: Sewer Construction Collection **Regions:** 1- 16 St North/35 Ave East

Fund: Sewer Construction **Location:** US 85 from H St. to Treatment Plant

Project Status: Funded

Description:

Construction of 6000 LF of 36" sewer main from 11th Avenue and H Street along the Poudre River to the East Greeley Interceptor. 1400 LF completed in 2018/2019, consisting of Poudre River crossing and bored crossings of 8th Avenue and Union Pacific Railroad. The remainder is planned to be constructed in 2024 depending on development need.

Discussion of Progress:

The next phase of this project is scheduled for construction in 2024, with 404 Permit acquisition and SUE planned for 2023.

Justification:

At the present time the existing sewer line has roughly the capacity for approximately 850 persons or 350 homes. Significant development north of O Street would signal a need for the building of the phase 2 portion of the pipeline. Also construction of this sewer trunk line will allow Lift Station #1 to be removed, which will eliminate operating costs and maintenance associated with lift station.

		Previous 3		2023 Revised						Grand
GL Account	Description	Years	2022 Actual	Budget	2024	2025	2026	2027	2028	Total
Revenue										
	Fund Balance	1,557,694	-	210,000	7,117,500	15,000	12,000	-		- 8,912,194
Total	Revenue	\$1,557,694	-	\$210,000	\$7,117,500	\$15,000	\$12,000	-		- \$8,912,194
Expense				-						-
8202	Construction	1,372,244	-	-	6,250,000	-	-	-		- 7,622,244
8204	Contingency	-	-	18,000	600,000	-	-	-		- 618,000
8212	Land/Building Cost/Demolition	84,857	-	15,000	-	-	-	-		- 99,857
8216	Miscellaneous	23	-	-	-	-	-	-		- 23
8224	Operating Supplies	22	-	-	-	-	-	-		- 22
8226	Permits, Fees, Etc	-	-	-	15,000	-	-	-		- 15,000
8229	Professional Services	52,073	-	155,000	150,000	10,000	10,000	-		- 377,073
8232	Project Management	23,295	-	-	-	-	-	-		- 23,295
8233	Project Management - Benefits	3,350	-	-	-	-	-	-		- 3,350
8235	Real Estate - Internal Chgs Only	-	-	5,000	-	-	-	-		- 5,000
9303	Public Art Fund	-	-	-	62,500	-	-	-		- 62,500
Total	Expense	\$1,557,694	-	\$210,000	\$7,117,500	\$15,000	\$12,000	-		- \$8,912,194
Net Total		-	-	-	-	=	-	-		-

Additional Sanitary Sewer Manholes & Sewer Taps

Project Number: 12477 Budget Year: 2024

Division: Sewer Capital Projects **Council Priority:** Sustainable Infrastructure & Mobility

Project Type:Sewer Construction CollectionRegions:0 - All WardsFund:Sewer ConstructionLocation:Citywide

Project Manager: John Goin Budget Unit #: 4124402820030000000000

Project Status: Funded

Description:

This program constructs new manholes that are found to be necessary for safe and efficient access to the sanitary sewer system. As existing sewer lines are inspected, the need for new manholes is often discovered in sewer lines that have limited access, such as cul-de-sacs or line intersections without manholes. The installation of additional manholes allows staff to clean and flush sewer lines efficiently.

This program installs sewer taps for new homes. City crews tap the sewer main and complete the installation of the sewer tap. Due to poor quality work by contractors, the City does not allow contractors to install sewer or water taps.

Discussion of Progress:

Annual program

Justification:

As existing sewer lines are inspected, the need for constructing new manholes is discovered, e.g. cul de sac with no manholes, lines intersecting with no manholes, and any other sites where access is required. Without the installation of new manholes the system cannot be properly flushed and cleaned which could lead to backups.

Water and Sewer specifications require city personnel to make new taps on existing sewer collection mains.

		Previous 3		2023 Revised							
GL Account	Description	Years	2022 Actual	Budget	2024	2025	2026	2027	2028	Future	Grand Total
Revenue											
	Fund Balance	52,678	-	69,000	79,000	79,000	79,000	79,000	79,000	395,000	911,678
Total	Revenue	\$52,678	-	\$69,000	\$79,000	\$79,000	\$79,000	\$79,000	\$79,000	\$395,000	\$911,678
Expense											_
8202	Construction	6,055	-	10,000	20,000	20,000	20,000	20,000	20,000	100,000	216,055
8224	Operating Supplies	40,149	-	50,000	50,000	50,000	50,000	50,000	50,000	250,000	590,149
8226	Permits, Fees, Etc	-	-	500	500	500	500	500	500	2,500	5,500
8229	Professional Services	-	-	3,500	3,500	3,500	3,500	3,500	3,500	17,500	38,500
8232	Project Management	6,474	-	-	-	-	-	-	-	-	6,474
8244	Capital Equipment >\$5,000	-	-	5,000	5,000	5,000	5,000	5,000	5,000	25,000	55,000
Total	Expense	\$52,678	-	\$69,000	\$79,000	\$79,000	\$79,000	\$79,000	\$79,000	\$395,000	\$911,678
Net Total		-	-	-	-	-	-	-	-	-	



Collection Line Ext/Over

Project Number: 12520 Budget Year: 2024

Division: Sewer Capital Projects **Council Priority:** Sustainable Infrastructure & Mobility

Project Type: Sewer Construction Collection **Regions:**

Fund:Sewer ConstructionLocation:Johnson SubdivisionProject Manager:John GoinBudget Unit #:4124402820000000000000

Project Status: Funded

Description:

Construction of approximately 2,500 LF of 8" sewer main in Johnson Subdivision on 40th and 38th Avenues, north of 4th Street to serve existing homes when septic systems fail or customers choose to connect to sanitary system. Replacement of approximately 350 LF of 4" service line serving 1311 18th Street with an 8" sewer main and manhole to eliminate a long service line and properly connect to the system. 2027 projects will be an as yet undetermined expansion of the system with needed indicated by development and city annexations.

Discussion of Progress:

Project is under construction in 2023 using city employees. If successful the plan for future years is to continue extending the system using city staff to save on expenses.

Justification:

Currently most homes in Johnson Subdivision are on septic systems, although a few are connected to the existing sewer serving some areas. This project will install sewer main throughout the subdivision to connect all homes when septic systems fail. The home at 1311 18th Street has a long, 350 foot 4" service line, with a bend in it, that runs east on 18th Street. Maintenance of this line in the City ROW is difficult, so replacement to an 8" main would allow proper maintenance.

Impact on Operating Budget:

Additional maintenance costs due to expanded system (offset by rate revenue from new customers).

		Previous 3		2023 Revised						
GL Account	Description	Years	2022 Actual	Budget	2024	2025	2026	2027	2028	Grand Total
Revenue										
	Fund Balance	314,517	116	-	340,000	-		- 310,000		- 964,633
Total	Revenue	\$314,517	\$116	-	\$340,000	=		- \$310,000		- \$964,633
Expense										
8202	Construction	902	-	-	270,000	-		- 200,000		470,902
8204	Contingency	-	-	-	30,000	-		- 20,000		- 50,000
8224	Operating Supplies	-	-	-	-	-		- 50,000		- 50,000
8229	Professional Services	19,368	-	-	20,000	-		- 20,000		- 59,368
8232	Project Management	294,247	116	-	-	-				- 294,363
Total	Expense	\$314,517	\$116	-	\$340,000	-		- \$310,000		- \$964,633
Net Total		-	-	-	-	-				

Balsam Ave & LS9 Capacity Assessment

Project Number: N741 Budget Year: 2024

Division: Sewer Capital Projects **Council Priority:** Sustainable Infrastructure & Mobility

Project Type: Sewer Replacement Collection **Regions:** 2- 16 St South/23 Ave East

Fund:Sewer ConstructionLocation:Balsam Ave & LS9Project Manager:John GoinBudget Unit #:413New19

Project Status: Funded

Description:

The Sanitary Sewer Masterplan identified deficiencies in the Balsam Avenue Trunkline and LS9 during the existing conditions wet weather flow. The masterplan identified abandonment of this lift station, with future construction of the East Greeley Lift Station, however it is not anticipated that this lift station could be constructed for some time. This project will provide a more in depth focus on existing flows within the Balsam Avenue Trunkline and assessment of dry and wet weather flows based on additional flow monitoring that is anticipated to be collected in this basin. It is anticipated that an additional permanent flow monitor is going to be placed in this basin (work completed under flow monitoring budget) and that an additional 2 years of data will be collected for this basin.

Discussion of Progress:

Planned for 2025.

Justification:

The Sanitary Sewer Masterplan identified deficiencies in the Balsam Avenue Trunkline and LS9 capacities. Since construction associated with these Master Plan recommendations is years away, a focused study of the basin can provide better guidance for scheduling and scoping of these upgrades.

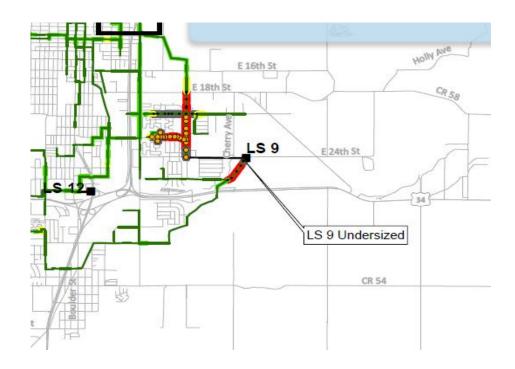
Revenue Detail:

No additional information

Impact on Operating Budget:

None

GL Account Revenue	Description	Previous 3 Years	2022 Actual	2023 Revised Budget	2024	2025	2026	2027	2028	Grand Total
	Fund Balance	-	-	-		120,000	-	-	-	120,000
Total I	Total Revenue		-	-		\$120,000	-	-	-	\$120,000
Expense										
8204	Contingency	-	-	-		- 10,000	-	-	-	10,000
8229	Professional Services	-	-	-		100,000	-	-	-	100,000
8232	Project Management - Labor	-	-	-		10,000	-	-	-	10,000
Total I	Expense	-	-	-		\$120,000	-	-	-	\$120,000
Net Total		-	-	-			-	-	-	-



Lift Station 9

Project Number: N768 Budget Year: 2024

Division: Sewer Capital Projects **Council Priority:** Sustainable Infrastructure & Mobility

Project Type:Sewer Replacement CollectionRegions:0 - All WardsFund:Sewer ConstructionLocation:TBD

Fund:Sewer ConstructionLocation:TBDProject Manager:John GoinBudget Unit #:413New6

Project Status: Funded

Description:

Construction of a new Sanitary Sewer Lift Station to replace the undersized Lift Station #9 in East Greeley. Future growth-driven project identified in the 2021 Sanitary Sewer Master Plan as deficient.

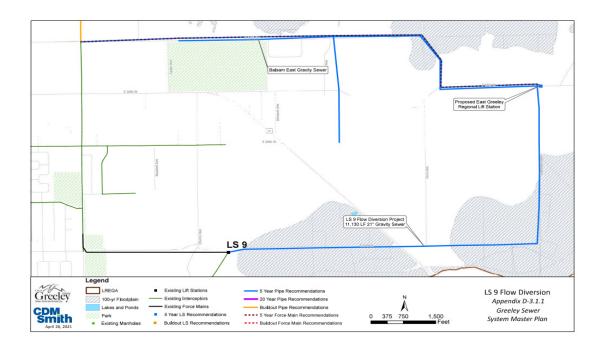
Discussion of Progress:

Scheduled to begin design in 2026 with construction in 2027 and 2028.

Justification:

Lift Station #9's current capacity is insufficient for current flows, especially during wet weather events, due to the collection system within its service area being highly susceptible to infiltration. Modeling shows that peak inflows exceed the capacity of the lift station, which cause the level in the wet well to rise such that wastewater begins to surcharge upstream. In addition, the City anticipates additional growth in East Greeley. To service this area, Lift Station #9 will need to be relocated from its current location further east.

		Previous 3		2023 Revised						
GL Account	Description	Years	2022 Actual	Budget	2024	2025	2026	2027	2028	Grand Total
Revenue										
	Fund Balance	-	-	-	-		- 1,600,000	4,855,000	5,865,000	12,320,000
Total	Revenue	-	-	-	-		- \$1,600,000	\$4,855,000	\$5,865,000	\$12,320,000
Expense										
8202	Construction	-	-	-	-			3,500,000	4,500,000	8,000,000
8204	Contingency	-	-	-	-			1,000,000	1,000,000	2,000,000
8212	Land/Building Cost/Demolition	-	-	-	-		- 200,000	-	-	200,000
8226	Permits, Fees, Etc	-	-	-	-		- 30,000	-	-	30,000
8229	Professional Services	-	-	-	-		- 1,250,000	250,000	250,000	1,750,000
8232	Project Management - Labor	-	-	-	-		- 20,000	20,000	20,000	60,000
8235	Real Estate - Internal Chgs Only	-	-	-	-		- 100,000	-	-	100,000
8242	Utility Services	-	-	-	-			50,000	50,000	100,000
9303	Public Art Fund	-	-	-	-			35,000	45,000	80,000
Total	Expense	-	-	-	-		- \$1,600,000	\$4,855,000	\$5,865,000	\$12,320,000
Net Total		-	-	-	-			-	-	-





Fund 413 Sewer Capital Replacement

Highland Hills Sewer 47th Ave Capacity

Project Number: 12549 Budget Year: 2024

Division: Sewer Capital Projects **Council Priority:** Sustainable Infrastructure & Mobility

Project Type:Sewer Replacement CollectionRegions:3- 10 St South/23 Ave WestFund:Sewer Capital ReplacementLocation:16th St and 47th Ave

Project Manager: John Goin Budget Unit #: 4134402830010000000000

Project Status: Funded

Description:

The Sanitary Sewer Masterplan has identified the need to increase capacity in the existing 8" sewer line in 47th Avenue. Highland Hills 47th Ave Capacity Improvements will increase capacity for approximately 1 mile of some existing and some proposed sanitary sewer main, and divert some flows away from 47th Avenue, to address existing and future flows from the T-bone Lift Station and Highland Hills Area. The existing 8-inch sewer line in 47th Avenue was not sized to convey full build out flows associated with the upstream basin including the T Bone Lift Station. Growth that has occurred in T-bone Subdivision has increased the total flow going to the lift station, requiring the pumps to be upsized and necessitating the downstream improvements.

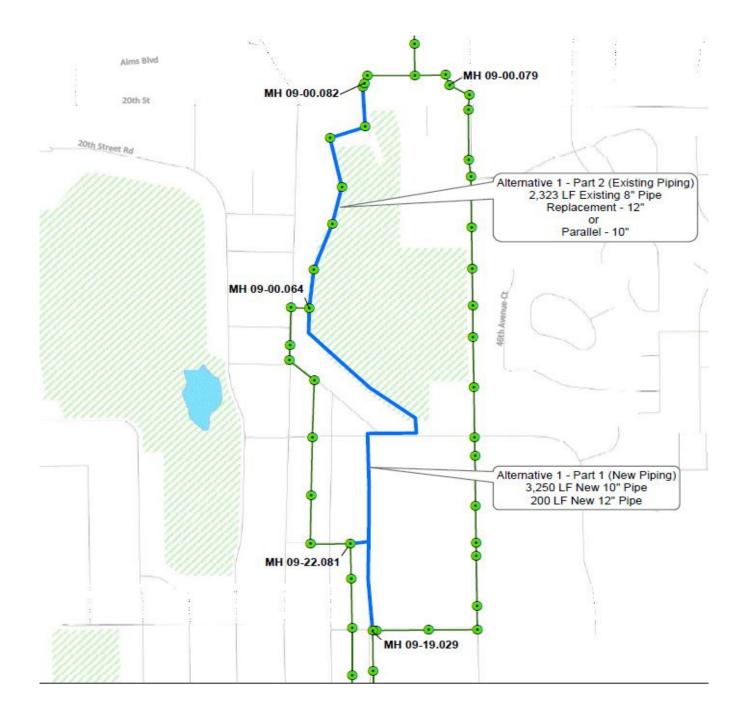
Discussion of Progress:

Scheduled to begin construction in 2025.

Justification:

Flows from the T Bone lift station were routed to this sewer main line which wasn't designed to carry these additional flows. The sanitary sewer master plan identified an existing capacity issue and the City has been monitoring the capacity. Growth that has occurred in TBone Subdivision has increased the total flow going to the lift station, requiring the pumps to be upsized. This project will address downstream capacity concerns during dry and wet weather conditions. This project will also avoid sewer line replacement in 47th Avenue, and re-route to the west, to avoid the impacts of construction in an arterial street.

		Previous 3		2023 Revised						
GL Account	Description	Years	2022 Actual	Budget	2024	2025	2026	2027	2028	Grand Total
Revenue										
	Fund Balance	-	-	314,508	-	2,550,000	-	-		- 2,864,508
Total	Total Revenue		-	\$314,508	-	\$2,550,000	-	-		- \$2,864,508
Expense				-	•					
8202	Construction	-	-	-	-	1,700,000	-	-		- 1,700,000
8204	Contingency	-	-	30,000	-	500,000	-	-		- 530,000
8226	Permits, Fees, Etc	-	-	10,000	=	100,000	-	-		- 110,000
8229	Professional Services	-	-	239,508	-	200,000	-	-		- 439,508
8232	Project Management - Labor	-	-	35,000	=	50,000	-	-		- 85,000
Total	Expense	-	-	\$314,508	-	\$2,550,000	-	-		- \$2,864,508
Net Total		-	-	-	-	-	-	-		-



8th Ave Sanitary/Storm MH Conflict

Project Number: 12722 Budget Year: 2024

Division: Sewer Capital Projects **Council Priority:** Sustainable Infrastructure & Mobility

Project Status: Funded

Description:

Replacement of two 6" VCP clay pipes that are over 70 years old that flow through an existing storm manhole in 8th Avenue. The project assumes a conceptual design to collect basic design information and existing utility information. Followed by a final design assuming flows would be diverted through private property to the north, requiring easement acquisition and new pipe required to divert flows to either 11th Street and 9th Ave or 11th Street and 8th Avenue. It is anticipated that an additional permanent flow monitor is going to be placed in this basin (work completed under flow monitoring budget) and that an additional 2 years of data will be collected for this basin.

Discussion of Progress:

Scheduled to begin monitoring/design in 2024 with construction in 2026.

Justification:

The two sanitary mains through the existing storm manhole could introduce additional storm flows into the sewer collection system. In the event of encasement or pipe failure, wastewater could discharge to the river. In April 2023 Stormwater traced back contamination from this MH and repair patching was performed. The existing sewer mains reduce the hydraulic capacity of the storm sewer, which would increase the chances of storm flows surcharging out of the MH. There is limited space to replace the existing sanitary sewer infrastructure in the alley, with overhead electric and existing storm sewer. Additionally the building has zero setback from the alley ROW at 8th Ave. The project could require improvements in 8th Avenue, which is CDOT ROW and additional easements to address the conflicts and potentially divert flows to 9th Ave.

		Previous 3		2023 Revised						
GL Account	Description	Years	2022 Actual	Budget	2024	2025	2026	2027	2028	Grand Total
Revenue										
	Fund Balance	-	-	66,000	140,000	445,000	-	-		- 651,000
Total	Revenue	-	-	\$66,000	\$140,000	\$445,000	-	-		- \$651,000
Expense										
8202	Construction	-	-	-	-	375,000	-	-		- 375,000
8204	Contingency	-	-	6,000	15,000	40,000	-	-		- 61,000
8212	Land/Building Cost/Demolition	-	-	-	35,000	-	-	-		- 35,000
8229	Professional Services	-	-	50,000	75,000	20,000	-	-		- 145,000
8232	Project Management - Labor	-	-	10,000	10,000	10,000	-	-		- 30,000
8235	Real Estate - Internal Chgs Only	-	-	-	5,000	-	-	-		- 5,000
Total	Total Expense		-	\$66,000	\$140,000	\$445,000	-	-		- \$651,000
Net Total		-	-	-	-	-	-	-		



Lift Station 15 (Hope Springs) Replacement

Project Number: 413New8 **Budget Year:** 2024

Division: Sewer Capital Projects **Council Priority:** Housing for All

Project Type: Sewer Replacement Collection **Regions:**

Fund: Sewer Capital Replacement **Location:** 32nd St and Harbor Lane

Project Manager: Unassigned Budget Unit #: Unassigned

Project Status: Funded

Description:

Construction of a new Sanitary Sewer Lift Station to replace Lift Station #15 on the Evans town line, between 35th and 23rd Avenues. Future developments will create a Local Improvement District to pay for lift station construction. This lift station replacement is a growth-driven project identified in the 2021 Sanitary Sewer Master Plan as necessary to accommodate two mid-sized subdivisions adjacent to Lift Station 15. This Project Initiation Form is created for the City to fund the portion of the construction costs in the Local Improvement District currently being conveyed by Lift Station 15 (existing flows), and the proposed subdivision to the west, with the Hope Springs subdivision covering approximately half of the construction costs.

Discussion of Progress:

Design is currently in progress (2023) with construction in 2024 and possibly into 2025. Project has been advanced due to state grant funding for Hope Springs moving that development project forward.

Justification:

Lift Station #15's current capacity is insufficient for future flows associated with two proposed subdivisions in the basin, as its current capacity is approximately 150 gpm. Modeling of the proposed subdivisions show that peak inflows (330 gpm) far exceed the capacity of the lift station. To service this area, Lift Station #15 will need to be relocated from its current location further east and south, and upsized to accommodate future flows.

Not relocating and upsizing Lift Station #15 will limit the growth and development in Greeley, along the south border of the City, between 23rd and 35th Avenues.

Doing a partial project just to accommodate Hope Springs will cost the city money when the property is further developed in the future.

Project is tagged to the "Housing for All" council priority as the city is fronting both the city's 16% portion and the 35% that will be charged to future development in order to allow the Hope Springs - Habitat development to proceed with all due haste. Project could also tag the "Sustainable Infrastructure and Mobility" council priority.

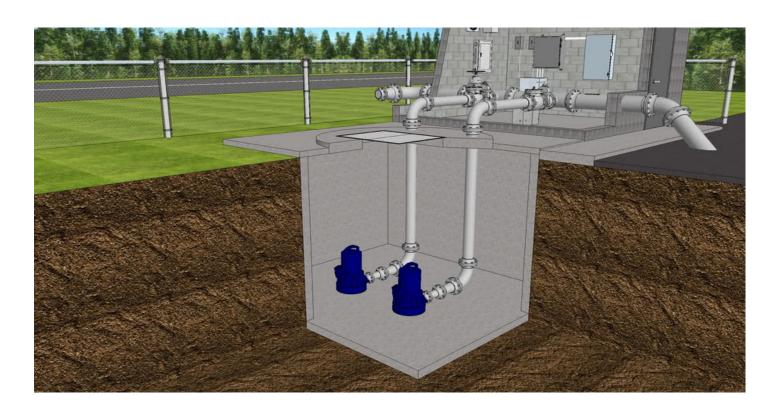
Revenue Detail:

It is expected that the development funded portion of the \$929,500: \$325,325.00 will be received as revenue from the proposed improvement district within the next 10 years when the property is developed. Adding this project now is having no impact on rates in the near term.

Impact on Operating Budget:

Replacement of an existing lift station with a larger one will increase electricity costs.

		Previous 3	2023 Revised						
GL Account	Description	Years 2022 Actual	Budget	2024	2025	2026	2027	2028	Grand Total
Revenue									
	Fund Balance		-	929,500	-	-	-		929,500
Total I	Total Revenue -		-	\$929,500	-	-	-		\$929,500
Expense			•	•					-
8202	Construction		-	715,000	-	-	-		715,000
8204	Contingency		-	214,500	-	-	-		214,500
Total Expense		-	\$929,500	-	-	-		\$929,500	
Net Total			-	-	-	-	-		-



Central 16th Sewer Replacement

Project Number: N742 Budget Year: 2024

Division: Sewer Capital Projects **Council Priority:** Sustainable Infrastructure & Mobility

Project Type: Sewer Replacement Collection **Regions:** 1- 16 St North/35 Ave East

Fund: Sewer Capital Replacement Location: 16th Street and 16th Ave to 13th Street and 16th Ave

Project Manager:John GoinBudget Unit #:413New12

Project Status: Funded

Description:

The Sanitary Sewer Masterplan has identified that with minor growth in this basin that additional capacity will be required to convey wastewater flows in an existing pipe near capacity. The project will provide additional capacity by upsizing approximately 1,800 feet of 8" sewer main from 13th Street to 16th Street in 16th Ave. Requires Upsizing of sewer main across Greeley Central baseball field. Construction sequencing will have to consider impacts to the field and impacts to the school during construction. Project will require coordination with Northern Colorado Medical Center as the project would cross 16th Street which is a major access to the hospital. Sewer upsizing will also cross 13th Street.

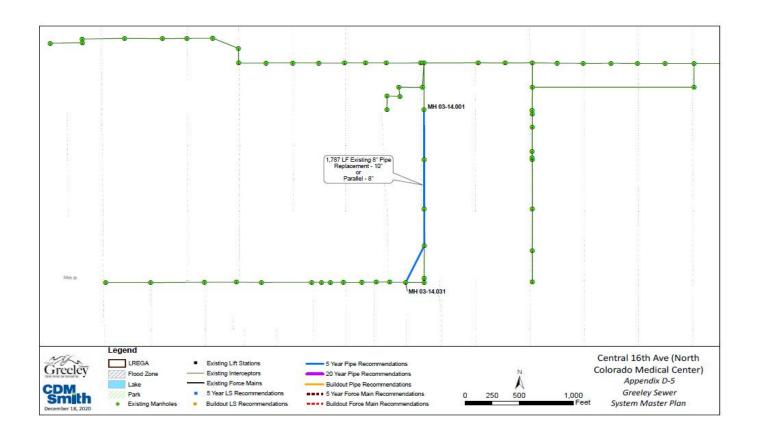
Discussion of Progress:

Scheduled to begin design in 2026 and construction in 2027

Justification:

Identified in sewer collection master plan.

		Previous 3		2023 Revised						
GL Account	Description	Years	2022 Actual	Budget	2024	2025	2026	2027	2028	Grand Total
Revenue										
	Fund Balance	-	-	-	-		- 255,000	1,270,000	-	1,525,000
Total	Revenue	-	-	-	-		- \$255,000	\$1,270,000	-	\$1,525,000
Expense				-						-
8202	Construction	-	-	-	-			1,000,000	-	1,000,000
8204	Contingency	-	-	-	-		- 20,000	200,000	-	220,000
8212	Land/Building Cost/Demolition	-	-	-	-		- 10,000	-	-	10,000
8229	Professional Services	-	-	-	-		- 200,000	50,000	-	250,000
8232	Project Management - Labor	-	-	-	-		- 20,000	20,000	-	40,000
8235	Real Estate - Internal Chgs	-	-	-	-		- 5,000	-	-	5,000
Total	Total Expense		-	-		- \$255,000	\$1,270,000	-	\$1,525,000	
Net Total		-	-	-	-			-	-	-



Highland Hills Sewer 35th Ave Capacity

Project Number: N744 Budget Year: 2024

Division: Sewer Capital Projects **Council Priority:** Sustainable Infrastructure & Mobility

Project Type: Sewer Replacement Collection **Regions:** 1- 16 St North/35 Ave East

Fund: Sewer Capital Replacement **Location:** 35th Avenue 16th Street to 19th Street

Project Manager: John Goin Budget Unit #: 413New14

Project Status: Funded

Description:

The Sanitary Sewer Masterplan has identified a need to upsize approximately 1,800 feet of sanitary sewer main in 35th Avenue from 16th Street to 19th Street. While Lift Station 13 (22nd St and 35th Avenue) was upsized in 2011 due to growth in the upstream basin, the downstream system was undersized to handle the rated capacity of the lift station. The proposed improvements will convey the rated capacity of the lift station. The design phase of this project will likely be combined with the Highland Hills Bittersweet project however construction will likely be phased. The existing sanitary sewer main crosses 35th Ave just south of 18th Street and crosses 16th Street in the middle of the northbound lanes of 35th Avenue. The replacement of this sewer line will have major impacts on traffic in 35th Avenue and 16th Street. Trenchless alternatives will need to be considered to minimize traffic impacts. It would be anticipated that there are significant dry utilities along 35th Avenue and at the intersection of 16th Street as well. The project is in close proximity to Bittersweet Park and will require coordination with CPRD.

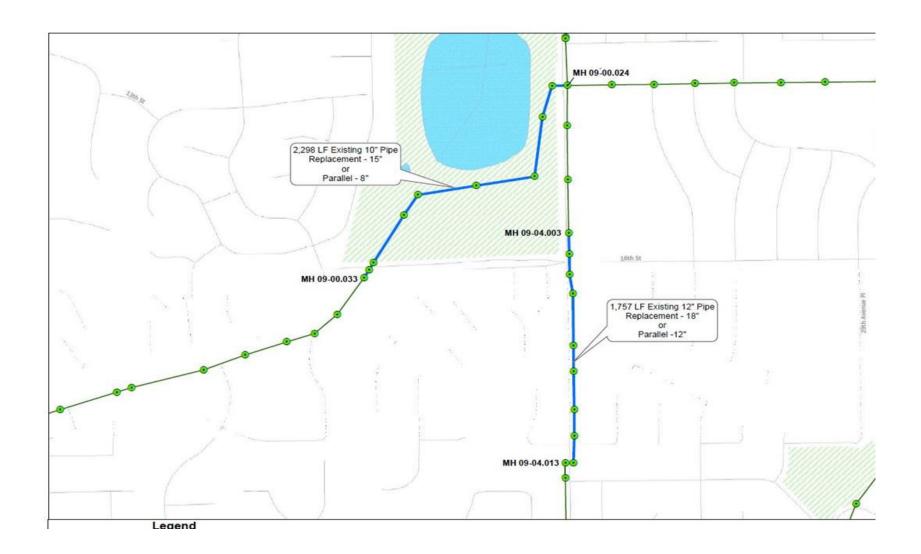
Discussion of Progress:

Scheduled to begin design in 2024 and construction in 2025.

Justification:

Lift Station 13 was upsized for buildout conditions but downstream collector mains were not, so in order to convey wet weather flows from LS 13, 35th Avenue sewer mains require corresponding upsizing.

		Previous 3		2023 Revised						
GL Account	Description	Years	2022 Actual	Budget	2024	2025	2026	2027	2028	Grand Total
Revenue										
	Fund Balance	-		-	255,000	1,230,000	-	-		- 1,485,000
Total	Total Revenue		· -	-	\$255,000	\$1,230,000	-	-		- \$1,485,000
Expense										
8202	Construction	-		-	-	900,000	-	-		900,000
8204	Contingency	-	-	-	20,000	250,000	-	-		- 270,000
8226	Permits, Fees, Etc	-		-	20,000	-	-	-		- 20,000
8229	Professional Services	-		-	200,000	60,000	-	-		- 260,000
8232	Project Management - Labor	-		-	15,000	20,000	-	-		- 35,000
Total	Total Expense		-	\$255,000	\$1,230,000	-	-		- \$1,485,000	
Net Total		-	-	-	-	=	=	-		



Highland Hills Sewer Bittersweet Park

Project Number: N745 Budget Year: 2024

Division: Sewer Capital Projects **Council Priority:** Sustainable Infrastructure & Mobility

Project Type: Sewer Replacement Collection **Regions:** 3- 10 St South/23 Ave West

Fund: Sewer Capital Replacement Location: 35th Avenue and 16th Street through Bittersweet Park

Project Manager: John Goin Budget Unit #: 413New13

Project Status: Funded

Description:

The Sanitary Sewer Masterplan identified a need to upsize approximately 2,300 feet of sanitary sewer main across 16th Street through Bittersweet Park. The portion of pipe to be upsized through Bittersweet Park is approximately 55 years old and is undersized (10") compared to the upstream and downstream systems, which are sufficiently sized to convey full build out flows in the basin. The existing sanitary sewer main crosses 16th Street west of 35th Avenue and 35th Avenue at the intersection of 13th Street.

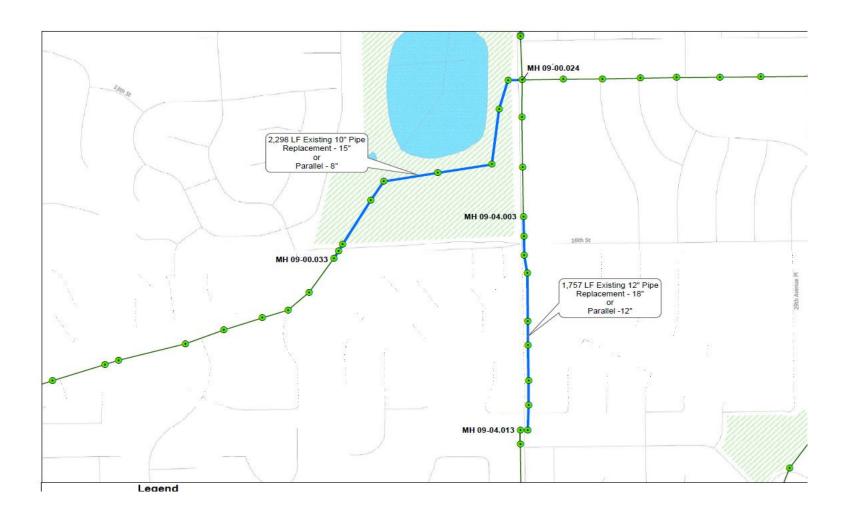
Discussion of Progress:

Scheduled to begin design in 2024 and construction in 2026.

Justification:

During wet weather flows the existing 10" pipe surcharges, so upsizing it to 15" is required to convey flows introduced from upstream collector mains that are sufficiently sized for full build out conditions.

		Previous 3		2023 Revised						
GL Account	Description	Years	2022 Actual	Budget	2024	2025	2026	2027	2028	Grand Total
Revenue										
	Fund Balance	-	-	-	265,000	-	1,255,000	-	-	1,520,000
Total I	Revenue	-	-	-	\$265,000	-	\$1,255,000	-	-	\$1,520,000
Expense										
8202	Construction	-	-	-	-	-	900,000	-	-	900,000
8204	Contingency	-	-	-	20,000	-	275,000	-	-	295,000
8226	Permits, Fees, Etc	-	-	-	30,000	-	-	-	-	30,000
8229	Professional Services	-	-	-	200,000	-	60,000	-	-	260,000
8232	Project Management - Labor	-	-	-	15,000	-	20,000	-	-	35,000
Total	Expense	-	-	-	\$265,000	-	\$1,255,000	-	-	\$1,520,000
Net Total		-	-	-	-	-	-	-	-	-



North Poudre RR Sewer Ph 1

Project Number: N770 Budget Year: 2024

Division: Sewer Capital Projects **Council Priority:** Sustainable Infrastructure & Mobility

Project Type: Sewer Replacement Collection **Regions:** 4 - 10 St North/23 Ave West

Fund: Sewer Capital Replacement Location: East of 35th Ave between F and C streets

Project Manager: John Goin **Budget Unit #:** 413New7

Project Status: Funded

Description:

Deficiency and development-driven project identified in the 2021 Sanitary Sewer Master Plan. Replace or parallel approximately 3,600 LF of existing 36" Poudre trunk line east of 35th Ave.

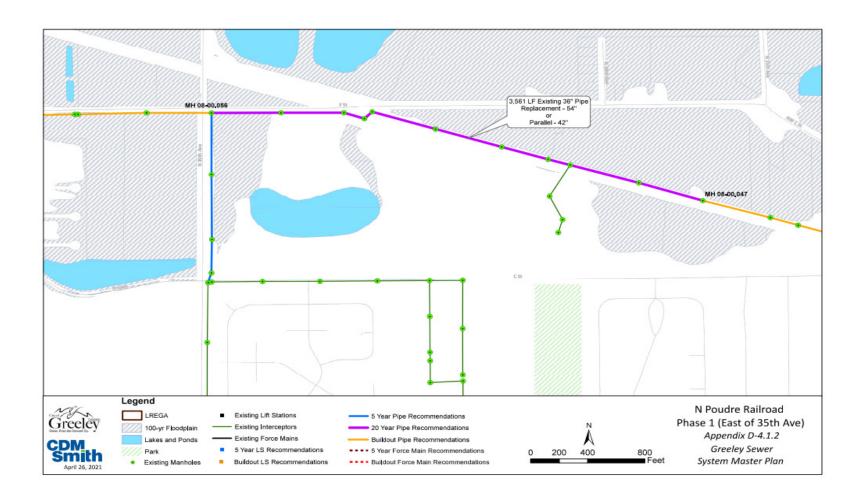
Discussion of Progress:

Scheduled to begin design in 2026 with construction in 2027.

Justification:

The 36" Poudre Trunk Line, east of 35th Avenue, between F and C Streets, has existing capacity limitations. It is undersized to accommodate projected growth upstream in both Poudre and Sheep Draw Basins. The Sanitary Sewer Master Plan provided two options to increase capacity (1) replace and upsize to a 54" or (2) install a 42" pipe parallel to the existing trunk line. This section is CIPP-lined, and more recent survey information may better identify sections of the Poudre Trunk Line that may need replacement.

		Previous 3		2023 Revised							
GL Account	Description	Years	2022 Actual	Budget	2024	2025		2026	2027	2028	Grand Total
Revenue											
	Fund Balance	-	-	-		-	-	1,000,000	6,120,000	-	7,120,000
Total	Revenue	-	-	-		-	-	\$1,000,000	\$6,120,000	-	\$7,120,000
Expense				-							-
8202	Construction	-	-	-		-	-	-	4,300,000	-	4,300,000
8204	Contingency	-	-	-		-	-	50,000	1,300,000	-	1,350,000
8212	Land/Building Cost/Demolition	-	-	-		-	-	100,000	-	-	100,000
8226	Permits, Fees, Etc	-	-	-		-	-	30,000	-	-	30,000
8229	Professional Services	-	-	-		-	-	800,000	500,000	-	1,300,000
8232	Project Management - Labor	-	-	-		-	-	20,000	20,000	-	40,000
Total	Expense	-	_	-		-	-	\$1,000,000	\$6,120,000	-	\$7,120,000
Net Total		-	-	-		-	-	-	-	-	-



Sewer Collection System Rehabilitation

Project Number: 12631 Budget Year: 2024

Division: Sewer Capital Projects **Council Priority:** Sustainable Infrastructure & Mobility

Project Type:Sewer Replacement CollectionRegions:0 - All WardsFund:Sewer Capital ReplacementLocation:Citywide

Project Manager: John Goin Budget Unit #: 4134402830010000000000

Project Status: Funded

Description:

This is an ongoing program to physically replace undersized lines in the sewer collection system, rehabilitate corroded manholes and eliminate cross connections with the stormwater system. The City will disconnect area and roof drains from the sewer system on an annual basis, prioritizing the largest contributing cross connections. This budget has been consolidated with WWC Sewer Rehab and Manhole Rehabilitation which includes rehabilitation of various manholes with severe corrosion issues using cementitous materials (2024). Also, a new 4" main was identified in 18th Street west of 13th Avenue. There are 3 properties that appear to have compound sewer services that will be addressed with sewer stubs for future connection. The work is planned for 2027 because overlay was done on this block in 2021.

Discussion of Progress:

This is an annual program.

Justification:

This program was identified as a high priority in the 2008 Sanitary Sewer Master Plan (SSMP). The master plan identified lines six inches or smaller that could not be properly maintained and identified compound taps for elimination. Smoke testing in the early 2000's identified cross connections with the stormwater system, so disconnecting will decrease I/I into sanitary system. Completion of these projects will improve services to underserved customers and clarify ownership and maintenance responsibilities of customer service lines. Not addressing maintenance needs increases the likelihood of failures of mains, manholes or lift stations, which could lead to costly cleanup or legal action by affected parties.

		Previous 3		2023 Revised							
GL Account	Description	Years	2022 Actual	Budget	2024	2025	2026	2027	2028	Future	Grand Total
Revenue											_
	Fund Balance	191,447	-	184,576	660,000	475,000	495,000	555,000	325,000	1,625,000	4,511,023
Total	Revenue	\$191,447	-	\$184,576	\$660,000	\$475,000	\$495,000	\$555,000	\$325,000	\$1,625,000	\$4,511,023
Expense				-						•	-
8202	Construction	150,823	-	149,576	430,000	270,000	285,000	245,000	145,000	725,000	2,400,399
8204	Contingency	-	-	-	-	-	-	25,000	-	-	25,000
8224	Operating Supplies	12,605	-	15,000	110,000	110,000	110,000	190,000	110,000	550,000	1,207,605
8226	Permits, Fees, Etc	162	-	-	5,000	5,000	-	-	-	-	10,162
8229	Professional Services	18,956	-	10,000	35,000	15,000	30,000	30,000	10,000	50,000	198,956
8232	Project Management	8,482	-	-	-	-	-	-	-	-	8,482
8242	Utility Services	-	-	-	10,000	10,000	-	-	-	-	20,000
8244	Capital Equipment >\$5,000	-	-	-	50,000	50,000	50,000	50,000	50,000	250,000	500,000
Total	Expense	\$191,447	-	\$184,576	\$660,000	\$475,000	\$495,000	\$555,000	\$325,000	\$1,625,000	\$4,511,023
Net Total		-	-	_	-	-	-	-	-	-	-



Trenchless Main and Collector Rehabilitation

Project Number: 12653 Budget Year: 2024

Division: Sewer Capital Projects **Council Priority:** Sustainable Infrastructure & Mobility

Project Type:Sewer Replacement CollectionRegions:0 - All WardsFund:Sewer Capital ReplacementLocation:Citywide

Project Manager: John Goin Budget Unit #: 4134402830040000000000

Project Status: Funded

Description:

This annual program rehabilitates about 1% of the sewer system using cured-in-place pipe. The program focuses on the sewers in the worst condition as identified by the City's TV inspection and by maintenance records. The criteria which the priority for lining projects has been modified to evalute the likelihood and consequences of a sewer main failing creating a risk rating.

Discussion of Progress:

This is an annual program to continue with lining of aged sewer collection pipes.

Justification:

Each year Sewer Collections identifies existing piping that has severe corrosion issues and rehabilitates that pipe using a cured in place lining process. If the pipe is not rehabilitated there is the possibility of collapse and sanitary sewer overflows on the streets. This process allows staff to rehabilitate older sewer lines without excavating the street and minimizing disruption to its customers. 2024 is planned to complete two linings removed from 2022 CIPP project Insituform already priced. 2026 is planned to address unlined trunk lines in 12th ST ahead of stormwater project west of 10th Ave. Annual budget raised to \$600k to focus on larger-diameter trunk lines because cost-effective to attempt to combine projects that require large bypass pumping.

Revenue Detail:

The department has applied for a subsidized State Revolving Fund loan to fund the project and speed up progress.

Impact on Operating Budget:

Lining sewer pipe has reduced expensive emergency pipe repairs and reduces the amount of groundwater entering the collection system being unnecessarily treated at the wastewater plant.

		Previous 3		2023 Revised							
GL Account	Description	Years	2022 Actual	Budget	2024	2025	2026	2027	2028	Future	Grand Total
Revenue											
	Fund Balance	1,109,505	-	420,000	580,000	420,000	620,000	620,000	620,000	3,100,000	7,489,505
Total	Revenue	\$1,109,505	-	\$420,000	\$580,000	\$420,000	\$620,000	\$620,000	\$620,000	\$3,100,000	\$7,489,505
Expense											
8202	Construction	992,905	-	400,000	550,000	400,000	600,000	600,000	600,000	3,000,000	7,142,905
8226	Permits, Fees, Etc	755	-	-	10,000	-	-	-	-	-	10,755
8229	Professional Services	37,920	-	-	-	-	-	-	-	=	37,920
8232	Project Management	67,937	-	-	-	-	-	-	-	-	67,937
Total	Expense	\$1,109,505	-	\$420,000	\$580,000	\$420,000	\$620,000	\$620,000	\$620,000	\$3,100,000	\$7,489,505
Net Total		-	-	-	-	-	-	-	-	-	-



Wastewater Flow Monitoring Program

Project Number: 12671 Budget Year: 2024

Division: Sewer Capital Projects **Council Priority:** Sustainable Infrastructure & Mobility

Project Type:Sewer Replacement CollectionRegions:0 - All WardsFund:Sewer Capital ReplacementLocation:Citywide

Project Manager: John Goin Budget Unit #: 4134402830100000000000

Project Status: Funded

Description:

Staff will install an additional flow meter and rain gauge in 2022 upstream of LS9 to monitor flows as recommended by the Sanitary Sewer Masterplan. The monitoring of these flow will help determine the locations of concentrated maintenance efforts. Professional services have been included to update the sanitary sewer masterplan model if required and to analyze various development scenarios.

Discussion of Progress:

This is an ongoing annual program.

Justification:

If additional flow monitoring is not obtained it could be difficult to provide more detailed analysis of the downstream capacity concerns within the downstream system identified in the Sanitary Sewer Masterplan.

		Previous 3		2023 Revised						
GL Account	Description	Years	2022 Actual	Budget	2024	2025	2026	2027	2028	Grand Total
Revenue										
	Fund Balance	44,046	-	85,000	85,000	85,000	85,000	85,000	85,000	554,046
4789	Expense Reimbursement	1,485	-	-	-	-	-	-	-	1,485
Total	Revenue	\$45,530	-	\$85,000	\$85,000	\$85,000	\$85,000	\$85,000	\$85,000	\$555,530
Expense										
8224	Operating Supplies	110	-	10,000	10,000	10,000	10,000	10,000	10,000	60,110
8229	Professional Services	45,260	-	30,000	30,000	30,000	30,000	30,000	30,000	225,260
8232	Project Management	80	-	-	-	-	-	-	-	80
8242	Utility Services	-	-	15,000	15,000	15,000	15,000	15,000	15,000	90,000
8244	Capital Equipment >\$5,000	-	-	25,000	25,000	25,000	25,000	25,000	25,000	150,000
Total	Expense	\$45,530	=	\$85,000	\$85,000	\$85,000	\$85,000	\$85,000	\$85,000	\$555,530
Net Total		-	-	-	-	=	-	-	-	-

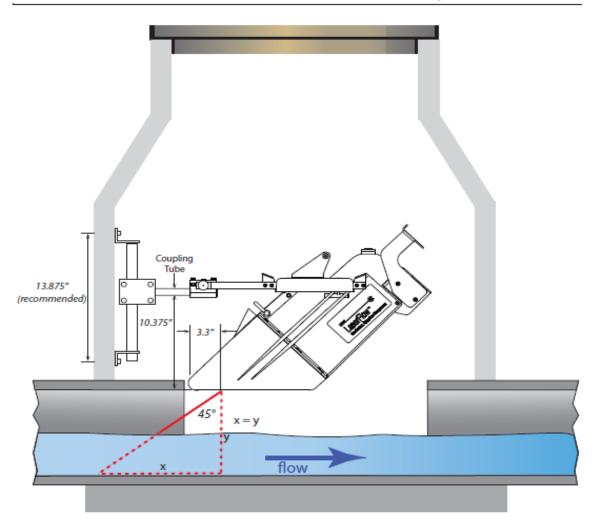


Figure 2-16 Typical manhole installation

WTRF Master Plan Updates

Project Number: 12799 Budget Year: 2024

Division: Sewer Capital Projects **Council Priority:** Sustainable Infrastructure & Mobility

Project Type:Sewer Replacement StudiesRegions:1- 16 St North/35 Ave EastFund:Sewer Capital ReplacementLocation:WTRF 300 E 8TH STREETProject Manager:Cadee OakleafBudget Unit #:4138010830100000000000

Project Status: Funded

Description:

Future master planning updates will provide decision points with respect to uncertainties and issues that are currently not fully defined. The proposed CIP recommends regular Master Plan updates with two coordinated planning efforts of liquids and solids treatment needs over the coming 10 years. The first Master Plan update, scheduled in 2026, needs to focus on a detailed update of growth, floodplain requirements, and long-term siting of improvements. This update will address uncertainties and position the City well in advance of the Phase 3 improvements.

Discussion of Progress:

Planned for a phase in 2023 to assess flows, loading, stream temperature, and regulatory compliance; and then in 2026 to address future growth and plant needs. Then a further update for 20231 before Reg. 31 starts in 2032 design.

Justification:

This master plan is needed to address uncertainty as it relates to flow and load projections as the City is growing, future regulatory permit requirements, future floodplain regulations within the area that are currently not well defined, and to develop how the plant will expand in the future. As the City is growing that plant will need to expand as well. This master plan will address how the plant will expand in the future with limited available property around the site.

		Previous 3		2023 Revised							
GL Account	Description	Years	2022 Actual	Budget	2024	2025	2026	2027	2028	Future	Grand Total
Revenue											_
	Fund Balance			775,000	-		- 973,000	80,600	-	750,000	2,578,600
Total I	Revenue			\$775,000	-		- \$973,000	\$80,600	-	\$750,000	\$2,578,600
Expense											
8229	Professional Services			720,000	-		- 895,000	-	-	700,000	2,315,000
8232	Project Management - Labor			55,000	-		- 78,000	80,600	-	50,000	263,600
Total I	Expense			\$775,000	-		- \$973,000	\$80,600	-	\$750,000	\$2,578,600
Net Total				-	-			-	-	-	-





Greeley WATER POLLUTION CONTRO TREATMENT AND NUTRIENT MASTER PLAN WATER POLLUTION CONTROL FACILITY

FINAL | November 2018

Sanitary Sewer Master Plan Update

Project Number: 12629 Budget Year: 2024

Division: Sewer Capital Projects **Council Priority:** Sustainable Infrastructure & Mobility

Project Type:Sewer Replacement StudiesRegions:0 - All WardsFund:Sewer Capital ReplacementLocation:Citywide

Project Manager: Adam Prior Budget Unit #: 4138010830100000000000

Project Status: Funded

Description:

The City recently completed three master plans in 2021 for: (1) non-potable water system, (2) potable water distribution system, and (3) wastewater collection system. To keep the master plans current, the W&S Department plans on having each of them updated every 5 years. Each master plan will be updated on separate years (i.e.) 2025, 2026, and 2027 with the sanitary sewer master being updated in 2027.

Discussion of Progress:

Planned for 2027.

Justification:

The goals of the updated master plan are to refine the existing models to include newly constructed infrastructure, reevaluate capacity issues with the existing system and with future development based on the most recent master plan, and provide recommendations for capital improvements. The master plan will provide sanitary sewer basins to assist in determining how proposed developments will be served. Includes update to 208 Utility Report.

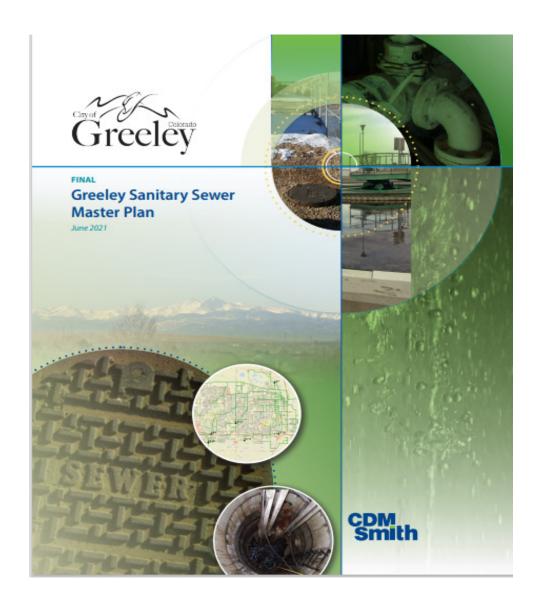
Revenue Detail:

None

Impact on Operating Budget:

From the development of masterplans, 5 and 20 year CIP budgets will be updated to address projects identified to be high priority.

		Previous 3		2023 Revised							
GL Account	Description	Years	2022 Actual	Budget	2024	2025	2026		2027	2028	Grand Total
Revenue											
	Fund Balance	648,083	-	-	-		-	-	750,000	-	1,398,083
Total	Revenue	\$648,083	-	•	-		-	-	\$750,000	-	\$1,398,083
Expense				-							
8204	Contingency	-	-	-	-		-	-	50,000	-	50,000
8216	Miscellaneous	24	-	-	-		-	-	-	-	24
8229	Professional Services	502,484	-	-	-		-	-	675,000	-	1,177,484
8232	Project Management	134,915	-	-	-		-	-	-	-	134,915
Total	Expense	\$648,083	-	-	-		-	-	\$750,000	-	\$1,398,083
Net Total		-	-	-	-		=	-	=	-	-



Utility Billing Replacement-Sewer

Project Number: 12661 Budget Year: 2024

Division: Sewer Capital Projects **Council Priority:** Sustainable Infrastructure & Mobility

Project Type:Sewer Replacement StudiesRegions:0 - All WardsFund:Sewer Capital ReplacementLocation:Citywide

Project Status: Funded

Description:

The current Utility Billing software (called Customer Information Systems, or a CIS, in the utility business) is at its end of life. It will be replaced with a new system that will significantly enhance customer service and reporting capabilities. Staff had started the process to select a new CIS in 2019 and 2020, but paused to enable City staff to focus on the ERP project that was nearing completion. A new CIS is needed to meet the expected customer service level for Greeley's utility customers.

Discussion of Progress:

A solicitation will begin in May 2023 and a vendor will likely be selected by the end of 2023 or the start of 2024.

Justification:

The current Utility Billing software is currently being supported by the vendor, but it is not being enhanced and is falling behind in it's competitors in it's ability to support Greeley's customers. A new system is needed. This will be funded by the Water, Sewer, and Stormwater funds.

Impact on Operating Budget:

The annual maintenance for the CIS will increase when Greeley transitions to a new system.

		Previous 3		2023 Revised						
GL Account	Description	Years	2022 Actual	Budget	2024	2025	2026	2027	2028	Grand Total
Revenue										
	Fund Balance	-	-	1,200,000	2,000,000	-	-	-		2,660,593
51**	Sewer Rates	569,085	-	-	-	-	-	-		569,085
Total I	Revenue	\$569,085	-	\$1,200,000	\$2,000,000	-	-	-		\$3,229,678
Expense										
8229	Professional Services	29,678	-	1,200,000	1,750,000	-	-	-		2,979,678
8232	Project Management - Labor	-	-	-	250,000	-	-	-		250,000
Total	Expense	\$29,678	-	\$1,200,000	\$2,000,000	-	-	-		\$3,229,678
Net Total		\$539,407	-	-	-	-	-	-		



City of Greeley Director of Finance P.O. Box 1928 Greeley, CO 80632-1928

Statement of Account for Utility Service(s)

THIS BILL SHOWS A PREVIOUS AMOUNT DUE. PLEASE REMIT AT EARLIEST CONVENIENCE. IF PYMT HAS BEEN MADE, THANK YOU.

	ACCOUNT IN	FORMATION				WATE	R CHARG	SES		
Account Number	222-222222-	22	2010		BUDGET: Indoor	7	Outdoor	21	Total	28
	REELEY AVE	NUE CT			RESIDENTIAL WA	TER	Used	Ra	te	Amount
Location					Water Budget (0%	to 100%)	28	3.9	7 5	108.64
Persons in Hou	sehold: 4	Irrigable A	rea. 7	799	Inefficient Use (>10	00% to 130	1%) 9	4.8	35	\$42.66
1 6130113 111 1100	delloid.	inigable A	nou.	, 00	Excessive Use (>13	30% to 150	0%) 5	6.6	32	\$30.20
	METER INFO	DEMATION			Unsustainable Use	(>150%)	8	8.8	32	\$68.96
Meter ID Da	te Curr Read		u Dood	Hoose	Base Charge					\$11.83
97403425U 09/		08/28	700	Usage 50		Test Marie	C CLINANA	W-107		

Payments

TOTAL DUE ON 10/18/17

	CONSUMPTION HISTORY	RESIDENTIAL WATER RESIDENTIAL SEWER STORMWATER	
50 40 30 20	(Usage in thousand gallons)		
10		CURRENT CHARGES	

Water Budget

MATER CONCERVATION MESSAGE

HOW DO YOU MEASURE UP? CHECK OUT YOUR WATER BUDGET AT WWW.EFFICIENCYREWARDED.COM. WHAT IS IT?, UPDATE YOUR PROFILE, FAQS, CHECK OUT THE WATER BUDGET WEBMAP, SIGNUP FOR WATERSMART AND MORE....

THE WATER CONSERVATION PROGRAM OFFERS FREE AUDITS. WINTER IS THE TIME TO GET AN INDOOR AUDIT OR SIGN UP FOR A SPRINKLER SYSTEM AUDIT NEXT SUMMER. SIGN UP AT GREELEYGOV.COM/AUDITS OR CALL 970-336-4229

LEAK ALERT POTENTIAL LEAK HAS BEEN DETECTED PLEASE MAKE ANY NECESSARY REPAIRS

BILLING MESSAGES

QUESTIONS? CALL 970-350-9260

\$165.74-

\$10.74 \$262.29 \$15.72 \$11.09

\$289.10

\$299.84

TO PAY YOUR BILL USING YOUR DEBIT OR CREDIT CARD WITH NO ADDITIONAL FEES, GO TO WWW.GREELEYGOV.COM/UTILITYBILL

PARA PAGAR SU FACTURA CON TARJETA DE DEBITO O CREDITO SIN CARGOS ADICIONALES, VAYA A: WWW.GREELEYGOV.COM/UTILITYBILL

YOUR STORMWATER FEE IS CALCULATED USING THE SQFT SHOWN BELOW. QUESTIONS? CALL 970-336-4074
Stormwater SQFT: 12201

DETACH AT PERFORATION AND RETURN WITH YOUR REMITTANCE											
Account Number	Service Location	Due Date	Amount Due	Amount Enclosed							
222-22222-22	2000 GREELEY AVENUE CT	10/18/17	\$289.10								



City of Greeley Director of Finance P.O. Box 1928 Greeley, CO 80632-1928

GREELEY CUSTOMER 2 2000 GREELEY AVENUE CT GREELEY CO 80634

19069-814068010000539848

Capital Outlay Replacement - Sewer

Project Number: 12509 Budget Year: 2024

Division: Sewer Capital Projects **Council Priority:** Sustainable Infrastructure & Mobility

Project Type:Sewer Replacement StudiesRegions:0 - All WardsFund:Sewer Capital ReplacementLocation:Citywide

Project Status: Funded

Description:

Replacement of rolling stock, e.g., pickups, tractor backhoes, loaders, compressors, sewer jet units, dump trucks, utility vehicles, and other identified sewer replacement capital items. This budget includes capital outlay replacement items for both the WWT and WWC Divisions. Replacement of rolling stock that has reached the end of its useful life. Maintains the ability to perform daily tasks and handle emergency situations.

Discussion of Progress:

This budget includes capital outlay replacement items for both the WWT and WWC Divisions

Justification:

Replacement of rolling stock that has reached the end of its useful life. Maintains the ability to perform daily tasks and handle emergency situations.

		Previous 3		2023 Revised							
GL Account	Description	Years	2022 Actual	Budget	2024	2025	2026	2027	2028	Future	Grand Total
Revenue											
	Fund Balance	31,628	-	455,192	974,670	843,115	285,828	128,926	170,876	887,227	3,777,462
5801	Sales Of Fixed Assets	-7,228	-	-	-	-	-	-	-	-	-7,228
Total	Revenue	\$24,400	-	\$455,192	\$974,670	\$843,115	\$285,828	\$128,926	\$170,876	\$887,227	\$3,770,234
Expense											_
8142	Construction Vehicles/Equipment	-	-	293,625	877,862	561,777	120,307	-	120,876	454,703	2,429,150
8144	Transportation/Vehicles	-	-	111,567	46,808	120,621	115,521	-	-	182,524	577,041
8149	Other Machinery And Equipment	4,167	-	50,000	50,000	160,717	50,000	128,926	50,000	250,000	743,810
8232	Project Management	20,233	-	-	-	-	-	-	-	-	20,233
Total	Expense	\$24,400	-	\$455,192	\$974,670	\$843,115	\$285,828	\$128,926	\$170,876	\$887,227	\$3,770,234
Net Total		-	-	-	-	-	-	-	-	-	-



Secondary Digesters Rehabilitation

Project Number: 12746 Budget Year: 2024

Division: Sewer Capital Projects **Council Priority:** Sustainable Infrastructure & Mobility

Project Type:Sewer Replacement TreatmentRegions:0 - All Wards

Fund:Sewer Capital ReplacementLocation:WTRF 300 E 8TH STREETProject Manager:Cadee OakleafBudget Unit #:4134402830070000000000

Project Status: Funded

Description:

This project will include the design of and construction for rehabilitating the existing Secondary Digesters at the WTRF.

Discussion of Progress:

The project has been identified with a feasibility study planned in 2023. Project has been postponed due to budgetary constraints and planned for design in 2025 and construction in 2026.

Justification:

The existing digesters are past their anticipated lifespan and have some significant structural deficiencies. The tanks are necessary for storing digestate prior to dewatering. The tanks are also available as a holding tank that can serve as a buffer during emergencies or maintenance shutdowns. In addition, the tanks are a key component of the Phosphorus Side Stream Treatment process that is being designed. The tanks current conditions will be evaluated and a feasibility study will be completed to determine the best path forward for rehabilitating or replacing the tanks. Based on the results of the feasibility study, a design will be completed. The last phase of this project will include construction.

		Previous 3		2023 Revised						
GL Account	Description	Years	2022 Actual	Budget	2024	2025	2026	2027	2028	Grand Total
Revenue										
	Fund Balance	-	-	145,000		- 381,000	2,170,000	-		- 2,696,000
Total	Revenue	-	-	\$145,000		- \$381,000	\$2,170,000	-		- \$2,696,000
Expense										
8202	Construction	-	-	-		-	2,000,000	-		- 2,000,000
8226	Permits, Fees, Etc	-	-	-		- 31,000	-	-		- 31,000
8229	Professional Services	-	-	125,000		- 300,000	100,000	-		- 525,000
8232	Project Management - Labor	-	-	20,000		- 50,000	70,000	-		- 140,000
Total	Expense	-	-	\$145,000		- \$381,000	\$2,170,000	-		- \$2,696,000
Net Total		-	-	-			-	-		



WTRF Additional Cake Hopper

Funded

Project Number: 413New3 Budget Year: 2024

Division: Sewer Capital Projects **Council Priority:** Sustainable Infrastructure & Mobility

Project Type: Sewer Replacement Treatment Regions: 0 - All Wards

Fund: Sewer Capital Replacement Location: WTRF 300 E 8TH STREET

Project Manager: Cadee Oakleaf Budget Unit #: 413New11

Project Status: Description:

This project will install an additional cake hopper to store dewatered biosolids. It will include any upgrades (e.g. structural, piping, electrical, etc.) required to accommodate the new cake hopper.

Discussion of Progress:

A preliminary structural analysis has been completed in 2022 revealing that structural upgrades will be required. Construction is planned for 2024.

Justification:

When the original dewatering building was constructed, it was designed and allowed for the placement of a second hopper next to the existing. At the time, it was not installed due to the lower volumes of biosolids produced and the ability of one hopper to store them. Since then, biosolids production has increased alongside population growth, making the second hopper a necessity. Currently, the dewatering process is limited to about 40 hours a week due to solids storage volume in the one existing cake hopper. A second cake hopper will provide redundancy in case of maintenance needs on the existing cake hopper and will also provide additional storage volumes for the dewatered biosolids. Additional storage will allow for more biosolids to be processed each week, reducing the volume that needs to be stored ahead of dewatering, which in turns provides additional pre-dewatering storage space for emergencies and shutdowns.

		Previous 3		2023 Revised						
GL Account	Description	Years	2022 Actual	Budget	2024	2025	2026	2027	2028	Grand Total
Revenue										_
	Fund Balance	-	-	-	2,642,140	-	-	-		- 2,642,140
Total I	Revenue	-	-	-	\$2,642,140	-	-	=		- \$2,642,140
Expense										
8202	Construction	-	-	-	2,600,000	-	-	-		- 2,600,000
8229	Professional Services	-	-	-	20,000	-	-	-		- 20,000
8232	Project Management - Labor	-	-	-	22,140	-	-	-		- 22,140
Total I	Expense	-	-	-	\$2,642,140	-	-	-		- \$2,642,140
Net Total		-	-	-	-	-	-	-		-



Secondary Clarifier Upgrades

Project Number: 413New6 Budget Year: 2024

Division: Sewer Capital Projects **Council Priority:** Sustainable Infrastructure & Mobility

Project Type:Sewer Replacement TreatmentRegions:1- 16 St North/35 Ave EastFund:Sewer Capital ReplacementLocation:WTRF 300 E 8TH STREET

Project Manager: Cadee Oakleaf Budget Unit #: 413New9

Project Status: Funded

Description:

As part of the 2018 Master plan, it was identified that the secondary clarifier mechanisms need replaced due to their age and condition. In addition to replacement of the mechanisms, improvements to address issues with scum removal and solids short-circuiting in the clarifiers will be completed. Modeling of the secondary clarifier performance and inlet design alternatives will also be completed to help enhance performance of the clarifiers. This project will include the design and construction for the upgrades.

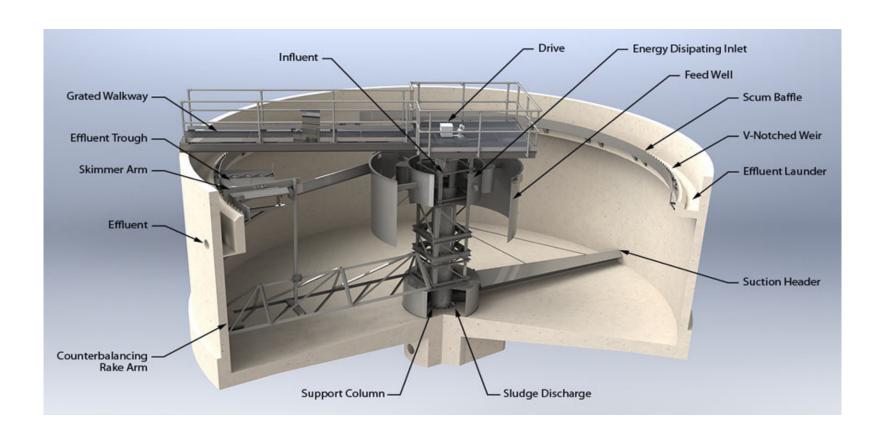
Discussion of Progress:

Design scheduled to start in 2026.

Justification:

This was identified in the 2018 Master Plan Phase 3 due to age and condition of equipment. Phase 3 is now being divided into projects needed for capacity expansion and due to age/condition. This will be completed in the timeline laid out in the Master Plan due to the age/condition of the equipment.

		Previous 3		2023 Revised							
GL Account	Description	Years	2022 Actual	Budget	2024	20	25	2026	2027	2028	Grand Total
Revenue											
	Fund Balance	-	-	-		-	-	717,420	5,658,300	5,735,200	12,110,920
Total I	Revenue	-	-	-		-	-	\$717,420	\$5,658,300	\$5,735,200	\$12,110,920
Expense											
8202	Construction	-	-	-		-	-	-	5,500,000	5,700,000	11,200,000
8226	Permits, Fees, Etc	-	-	-		-	-	40,000	=	-	40,000
8229	Professional Services	-	-	-		-	-	627,500	90,000	-	717,500
8232	Project Management - Labor	-	-	-		-	-	49,920	68,300	35,200	153,420
Total	Expense	-	-	-		-	-	\$717,420	\$5,658,300	\$5,735,200	\$12,110,920
Net Total		-	-	-		-	-	-	-	-	-



WTRF Regulation 31 Improvements

Project Number: 413New7 Budget Year: 2024

Division: Sewer Capital Projects **Council Priority:** Sustainable Infrastructure & Mobility

 Project Type:
 Sewer Replacement Treatment
 Regions:

 Fund:
 Sewer Capital Replacement
 Location:
 WTRF 300 E 8TH STREET

Project Manager: Unassigned Budget Unit #: Unassigned

Project Status: Funded

Description:

Future updates to Regulation 31 will become active in 2026 and will be substantially decreasing the allowed nutrient content of wastewater leaving the Wastewater Treatment and Reclamation Facility and will require significant upgrades and improvements to the existing plant. The department plans to be earning Voluntary Incentive Program (VIP) credits toward this regulation between 2022 and 2026. These credits are obtained by obtaining effluent nutrient levels lower than the current regulation in effect and they are worth time extensions to meeting the new regulations. We can potentially earn up to 10 years of credits, and we are conservatively planning on earning 8 years of credits (allowing for something to go wrong). This means we need the improvements to be active at the end of 2033. We will revisit this planning horizon as the VIP credits are amassed in the intervening years. Well before the project start date we will know how many credits have been earned.

In 2024 the planning is that these improvements will be needed 5 or more years before expansions that would add capacity are needed. At this time, the department is putting the planned expansion project N769 beyond the 10-Year Planning horizon and anticipates the need to do the improvements to meet regulation 31 by the end of the 10-Year Planning horizon. In the intervening years we will continue to monitor plant capacity and assess the need for capacity expansion versus regulatory improvements to time these two projects.

Discussion of Progress:

Project is in the planning stage. Questions of the appropriate timing still need to be answered by future developments, currently planning project design starting in 2032 with construction in 2033.

Justification:

Plant improvements needed to address upcoming changes to Regulation 31 which will be reducing allowed nutrient in point source discharges to public waterways.

		Previous 3		2023 Revised								
GL Account	Description	Years	2022 Actual	Budget	2024	2025	20	26	2027	2028	Future	Grand Total
Revenue												
	Fund Balance			-		-	-	-	-	-	65,754,000	65,754,000
Total I	Revenue			-		-	-	-	-	-	\$65,754,000	\$65,754,000
Expense				-							•	-
8202	Construction			-		-	-	-	-	-	52,400,000	52,400,000
8226	Permits, Fees, Etc			-		-	-	-	-	-	150,000	150,000
8229	Professional Services			-		-	-	-	-	-	11,600,000	11,600,000
8232	Project Management -			-		-	-	-	-	-	1,080,000	1,080,000
9303	Public Art Fund			-		-	-	-	-	-	524,000	524,000
Total	Expense			-		-	-	-	-	-	\$65,754,000	\$65,754,000
Net Total	-			-		-	-	-	-	-		-



WTRF Blower Replacement Phase 2

Project Number: N599 Budget Year: 2024

Division: Sewer Capital Projects **Council Priority:** Sustainable Infrastructure & Mobility

Project Type:Sewer Replacement TreatmentRegions:1- 16 St North/35 Ave EastFund:Sewer Capital ReplacementLocation:WTRF 300 E 8TH STREET

Project Manager: Cadee Oakleaf Budget Unit #: 413New8

Project Status: Funded

Description:

In 2017, a blower evaluation study was performed and it was decided that the project would be divided into two phases. In 2019, Water and Sewer replaced three of the existing six turbo blowers out at the WTRF as a part of Phase 1. Approximately a year and a half after Phase 1 was completed, it was determined that the existing K-Turbo blowers are failing faster than anticipated and another new blower is needed prior to Phase 2. Phase 1B will include an addition Sulzer blower to match the three new blowers added during Phase 1, adding reliability to the system prior to the implementation of Phase 2. Phase 2 will replace the remaining K-Turbo Blowers and MSCB Blowers to provide reliable operation and with sufficient capacity to meet permit requirements. The proposed Phase 2 improvements also include an expansion of the existing Blower Building.

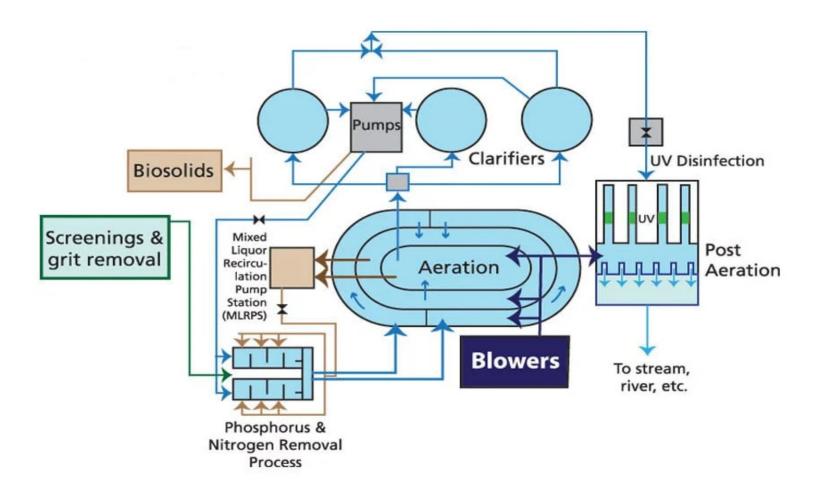
Discussion of Progress:

Design planned for 2028 with construction starting in 2029.

Justification:

The blower manufacturer (K-Turbo, Inc.) went out of business two years after the existing blowers were purchased. In the past few years, it has become very difficult to obtain replacement parts and timely service. The blowers are critical plant equipment which provide air (oxygen) to the mainstream biological treatment process (aeration basins). Troubleshooting and technical service is wholly dependent on one technician who resides in the Chicago area. It is uncertain as to how long he will continue to service the remaining K-Turbo blowers in the U.S.

		Previous 3		2023 Revised								
GL Account	Description	Years	2022 Actual	Budget	2024	2025	2026	2027		2028	Future	Grand Total
Revenue												
	Fund Balance			-			-	-	-	900,000	6,900,000	7,800,000
Total I	Revenue		-	-		-	-	-	-	\$900,000	\$6,900,000	\$7,800,000
Expense												
8202	Construction		- -	-	-	-	-	-	-	-	6,615,000	6,615,000
8226	Permits, Fees, Etc		- <u>-</u>	-	-	•	-	-	-	50,000	=	50,000
8229	Professional Services		- <u>-</u>	-	-	•	-	-	-	800,000	200,000	1,000,000
8232	Project Management - Labor		. <u>-</u>	-	-	-	-	-	-	50,000	85,000	135,000
Total	Expense			-	-	-	-	-	-	\$900,000	\$6,900,000	\$7,800,000
Net Total				-			=	-	-	-	-	-



WTRF Stream Temperature Assessment

Project Number: 12669 Budget Year: 2024

Division: Sewer Capital Projects **Council Priority:** Sustainable Infrastructure & Mobility

Project Type: Sewer Replacement Treatment **Regions:** 1- 16 St North/35 Ave East

Fund: Sewer Capital Replacement Location: 300 E 8th St

Project Status: Funded

Description:

This project is a continuation of work that was begun in 2015 in which a pre-hearing statement was prepared and submitted to the Colorado Department of Public Health & Environment (CDPHE). The statement was based in part on a lack of evidence relating in-stream temperature to aquatic life health. It outlines the next steps to eliminate 'uncertainty' in the local stream temperature standards. The ongoing assessment study further investigates the 'uncertainty' regarding the water quality stream standards necessary to protect current and future uses. Proposed work includes additional temperature data assessment, aquatic life data collection and analysis, feasibility studies that analyzes possible alternative temperature management strategies, and regulatory support. Additional fish and benthic data may need to be collected over the next few years per CDPHE's recommendations. Subcontractors may need to be hired to assist with sampling and data analysis.

Discussion of Progress:

Work in 2021-2022 has been focused on CDPS Permit Renewal, involvement in Water Quality regulatory workgroups, participating in Water Quality hearings at the State level, and continuing ambient water quality monitoring.

Justification:

Failure to meet the current water quality stream standards for temperature may result in the WTRF having to spend several million dollars to design and construct evaporative cooling towers or some other technology to effectively cool the final treated effluent from the wastewater treatment plant prior to its discharge into Segment 12 of the Cache la Poudre River. This technology would be required to meet the current stream standards for temperature. Plant data collected over the past several years indicate that the plant's treated effluent exceeds the current stream standards for this segment of the River often throughout the year. A temporary modification request was granted in 2015 by the CDPHE. The ultimate goal of this study is to receive site specific standards for stream temperature, a variance, or possibly do water quality trading with an industry after December 2020.

		Previous 3		2023 Revised							
GL Account	Description	Years	2022 Actual	Budget	2024	2025	2026	2027	2028	Future	Grand Total
Revenue											
	Fund Balance	176,063	4,144	52,000	55,000	55,000	105,000	55,000	55,000	275,000	832,206
Total	Revenue	\$176,063	\$4,144	\$52,000	\$55,000	\$55,000	\$105,000	\$55,000	\$55,000	\$275,000	\$832,206
Expense											
8229	Professional Services	159,600	4,144	50,000	50,000	50,000	50,000	50,000	50,000	250,000	713,743
8232	Project Management	16,463	-	-	-	-	-	-	-	-	16,463
8244	Capital Equipment >\$5,000	-	-	-	-	-	50,000	-	-	-	50,000
Total	Expense	\$176,063	\$4,144	\$52,000	\$55,000	\$55,000	\$105,000	\$55,000	\$55,000	\$275,000	\$832,206
Net Total		-	-	-	-	-	-	-	-	-	-

General Rehabilitation Projects

Project Number: 12545 Budget Year: 2024

Division: Sewer Capital Projects **Council Priority:** Sustainable Infrastructure & Mobility

Project Type:Sewer Replacement TreatmentRegions:1- 16 St North/35 Ave EastFund:Sewer Capital ReplacementLocation:WTRF 300 E 8TH STREETProject Manager:Cadee OakleafBudget Unit #:4134402830070000000000

Project Status: Funded

Description:

Includes a variety of projects that includes such work as the replacement, rehabilitation, or overhaul of large pumps, valves, actuators, motors, centrifuge units, gear boxes, air handling units, heat exchangers, bar screens, variable frequency drive units, turbo blowers, plant road repairs, landscaping rehab for storm water program, roll-up doors, uninterrupted power supply units (UPS), equipment sensors, UV disinfection lamps & ballasts, building roofs, chemical tanks, etc.

Discussion of Progress:

This comprises of general rehabilitations projects, including repair and replacement, required at the WTRF. Projects that have been completed this year include both planned projects and emergency rehabilitation projects. Projects that have been completed in 2021 include UV gate gear boxes and Rotork actuator replacement, influent pump re-build, and some routine on-going rehabilitation work. Projects in progress include LSG Vault rehab, various UV maintenance and upgrades, influent wet well cleanout, high-voltage breaker repair, WAS total solids analyzer installation, digester transfer macerator, centrifuge feed pumps, and routine on-going rehabilitation work.

Justification:

Manufacturer's recommendations, equipment performance, downtime, and repair history; equipment life expectancies; inability to find replacement parts, etc. all enter into the decision as to whether or not a particular item needs to be replaced, repaired, or refurbished. Rehab funds are budgeted annually so that the plant maintenance staff can stay abreast of the need to address aging equipment and infrastructure at the WTRF. Not replacing aging or energy-consuming equipment in a timely manner may result in higher O&M costs, excessive downtime for repairs, and treatment process disruptions. These could result in potential permit non-compliances.

		Previous 3		2023 Revised							
GL Account	Description	Years	2022 Actual	Budget	2024	2025	2026	2027	2028	Future	Grand Total
Revenue											
	Fund Balance	2,024,269	191,451	1,282,020	506,000	621,000	618,000	766,000	436,000	1,790,000	8,234,740
51**	Sewer Rates	2,842	-	-	-	-	-	-	-	-	2,842
Total	Revenue	\$2,027,111	\$191,451	\$1,282,020	\$506,000	\$621,000	\$618,000	\$766,000	\$436,000	\$1,790,000	\$8,237,581
Expense											
8202	Construction	661,436	104,412	371,300	10,000	60,000	145,000	270,000	20,000	100,000	1,742,148
8208	Furniture, Fixtures & Equipment	130,351	-	89,647	95,000	50,000	50,000	50,000	50,000	250,000	764,998
8216	Miscellaneous	40,167	-	-	-	-	-	-	-	-	40,167
8224	Operating Supplies	201,231	-	-	-	-	-	-	-	-	201,231
8229	Professional Services	223,377	72,880	271,147	301,000	151,000	342,000	316,000	291,000	960,000	2,928,403
8232	Project Management	184,749	-	-	-	-	-	-	-	-	184,749
8244	Capital Equipment >\$5,000	576,246	14,159	524,926	65,000	320,000	36,000	80,000	20,000	130,000	1,766,331
Total	Expense	\$2,027,111	\$191,451	\$1,282,020	\$506,000	\$621,000	\$618,000	\$766,000	\$436,000	\$1,790,000	\$8,237,581
Net Total		-	-	-	-	-	-	-	-	-	-



Instrumentation and Controls - Wastewater

Project Number: 12557 Budget Year: 2024

Division: Sewer Capital Projects **Council Priority:** Sustainable Infrastructure & Mobility

Project Type:Sewer Replacement TreatmentRegions:0 - All WardsFund:Sewer Capital ReplacementLocation:Citywide

Project Manager: Mathew Finch Budget Unit #: 41344028300600000000000

Project Status: Funded

Description:

This program replaces and refurbishes instruments and control systems known as SCADA (Supervisory Control and Data Acquisition). These devices are used to operate collections and the WPCF, including recording data required by regulation and measurement and control of various treatment equipment. This is an on-going project.

Discussion of Progress:

Annual program

Justification:

Instrumentation and controls wear out or become obsolete over time, requiring replacement or major refurbishment. Refurbishment typically occurs at the facilities of the local supplier or manufacturer. City instrumentation technicians perform the replacement projects. This account includes instruments at all wastewater collection and treatment facilities.

		Previous 3		2023 Revised							
GL Account	Description	Years	2022 Actual	Budget	2024	2025	2026	2027	2028	Future	Grand Total
Revenue											
	Fund Balance	116,874	=	100,081	217,800	217,800	217,800	217,800	217,800	1,089,000	2,394,955
Total	Revenue	\$116,874	-	\$100,081	\$217,800	\$217,800	\$217,800	\$217,800	\$217,800	\$1,089,000	\$2,394,955
Expense											
8202	Construction	3,709	-	-	30,000	30,000	30,000	30,000	30,000	150,000	303,709
8204	Contingency	-	-	-	19,800	19,800	19,800	19,800	19,800	99,000	198,000
8208	Furniture, Fixtures &	5,264	-	17,081	73,000	73,000	73,000	73,000	73,000	365,000	752,345
8216	Miscellaneous	-	=	-	5,000	5,000	5,000	5,000	5,000	25,000	50,000
8224	Operating Supplies	67,206	=	30,000	-	-	-	-	-	-	97,206
8229	Professional Services	36,178	=	33,000	50,000	50,000	50,000	50,000	50,000	250,000	569,178
8232	Project Management	57	-	-	-	-	-	-	-	-	57
8244	Capital Equipment >\$5,000	4,421	-	20,000	40,000	40,000	40,000	40,000	40,000	200,000	424,421
Total	Expense	\$116,874	-	\$100,081	\$217,800	\$217,800	\$217,800	\$217,800	\$217,800	\$1,089,000	\$2,394,955
Net Total		-	-	-	-	-	-	-	-	-	-

WTRF Primary Treatment Phase 2

Project Number: 12667 Budget Year: 2024

Division: Sewer Capital Projects **Council Priority:** Sustainable Infrastructure & Mobility

Project Status: Funded

Description:

This project includes upgrades identified in the 2018 Master Plan. The project will entail upgrading the headworks and primary treatment processes. It will also include the addition of a new blower to provide redundancy to the existing failing equipment. A new phosphorus side stream treatment process is being added to meet nutrient limits. The project also includes upgrades to the existing centrate side stream treatment process.

Discussion of Progress:

Due to financial constraints the timing of the project has been adjusted for construction in 2024.

Justification:

Phase II Primary Treatment improvements were identified in the 2018 WPCF Masterplan. Much of the improvements with Phase II were identified in the condition assessment. Many of the items including influent pumps and primary clarifier improvements have already been identified in CIP but were consolidated into one project.

		Previous 3		2023 Revised						
GL Account	Description	Years	2022 Actual	Budget	2024	2025	2026	2027	2028	Grand Total
Revenue										_
	Fund Balance	87,715	105,218	2,025,293	43,201,650	80,000	-	-		- 45,499,876
Total I	Revenue	\$87,715	\$105,218	\$2,025,293	\$43,201,650	\$80,000	-	-		- \$45,499,876
Expense										_
8202	Construction	-	-	-	40,600,650	-	-	-		- 40,600,650
8216	Miscellaneous	-	-	-	1,000	-	-	-		- 1,000
8229	Professional Services	63,175	105,218	1,958,293	2,500,000	-	-	-		- 4,626,686
8232	Project Management	11,522	-	-	-	-	-	-		- 11,522
Total	Expense	\$87,715	\$105,218	\$2,025,293	\$43,201,650	\$80,000	-	-		- \$45,499,876
Net Total		-	-	-	-	-	-	-		-





Fund 421 Water Operating and Maintenance

	% of Total 2024	\$ 2023	\$ 2024	
	Budget	Budget	Budget	% Change
Administration	6%	1,938,615	1,782,807	-8%
Engineering	4%	1,104,617	1,096,776	-1%
Asset Management	1%		320,720	N/A New Unit
Utility Billing	4%	852,181	1,057,880	24%
Computer/Phone User Chrgs	3%	781,318	832,104	7%
Liability Insurance	1%	314,125	314,125	0%
General Management:	19%	4,990,856	5,404,412	8%
Service And Meters	2%	945,070	709,545	-25% Badger charges
Transmission-Reservoir	4%	941,057	1,139,136	21% updates to personnel assignments
Distribution	8%	2,241,788	2,271,645	1%
Inventory	1%	275,000	286,000	4%
Non-Potable Operations	4%	997,865	1,056,457	6%
Instrument & Control	5%	1,335,372	1,388,383	4%
Transmission & Distribution:	24%	6,736,152	6,851,166	2%
Water Resources Operations	16%	4,603,239	4,523,348	-2%
Water Resources Planning	2%		495,089	N/A New Unit
High Mountain Reservoirs	2%	596,754	628,059	5%
Water Conservation Prgm	3%	884,298	912,335	3%
Windy Gap Debt Service	9%	2,930,000	2,624,000	-10%
Water Resources:	32%	9,014,291	9,182,831	2%
Bellvue Filter Plant	12%	3,824,321	3,416,829	-11%
Boyd Lake Filter Plant	9%	2,700,401	2,700,457	0%
Water Quality	3%	970,567	979,189	1%
Cameron Peak Fire		8,290,000		N/A
Treatment:	25%	15,785,289	7,096,475	-55%
Treatment w/o CPF		7,495,289	7,096,475	-5%
Total Water Operating:		36,526,588	28,534,884	-22%
Total Water Operating w/o CPF		28,236,588	28,534,884	1%

Water Administration 421-8500-10000

GL Account *	Notes	2024
7111- Regular Employees		860,278
7112- Salaries & Wages - Seasonal		16,791
7121- Overtime-Regular		6,003
7211- Disability		5,339
7212- Health		127,292
7213- Dental		3,946
7214- Vision		167
7215- Life		2,530
7216- Workers Compensation		618
7221- General Employees		34,409
7227- 401K		33,725
7231- FICA		53,342
7234- Medicare		12,474
7314- Office Supplies & Materials	General supplies that fall outside the "office" designation.	15,050
7316- Computer		,
Hardware/Software < \$5000	Computer equipment	3,793
7317- Meals/Food - Non-Travel		,
Related	Food purchases for meetings	8,150
7325- Clothing And Uniforms		1,345
7328- Fleet Fuel	Fleet Fuel - Original Budget	1,287
7344- Building and Grounds		
Maintenance Supplies	Cleaning supplies for W&S admin offices.	520
7411- Postage	6100 pieces @ \$0.50	3,132
7418- Advertising		1,030
7424- In-House Copying		8,240
7426- Outside Printing		4,120
7432- Publications, Subscriptions,		
and Dues		7,995
7433- Memberships & Dues		8,000
	Professional services related to rate model development, cross	
	connection control software maintenance, annual financial	
7435- Other Purchased Services	audit.	117,678
7442- Water/Sewer/Stormwater	Based on incrs & 12mo rolling avg	23,238
7445- Telephone		90,307
7462- Equipment Maintenance		
Charges	Budgeted by Equipment Maintenance:	2,499
7472- Hotel and Motel		1,560
7473- Meals		773
7475- Mileage		1,086

Water Administration 421-8500-10000

GL Account *	Notes	2024
7478- Registration	Ten employees @ \$1000/employee.	9,050
	Rent Paid to General Fund 0015050050000000 - Maintenance	
7631- Rent	5366, Tied to repayment schedule. 2021/2022 ties to schedule.	129,740
7650- Computer/Phone User		
Charges		832,104
7655- Bank/Investment Charges	Charges for utility billing customer online payments.	185,000
7811- Grants-Outside Agencies	regional water workshops	2,300
		2,614,911

Water Engineering 421-8500-80001

water Lingilieering	421-0300-00001	
GL Account *	Notes	2024
7111- Regular Employees		790,503
7112- Salaries & Wages - Seasonal		20,000
7211- Disability		4,802
7212- Health		77,484
7213- Dental		2,402
7214- Vision		105
7215- Life		2,290
7216- Workers Compensation		233
7217- Worker		
Compensation/Seasonal	Seasonal Workers Comp	541
7221- General Employees	·	31,623
7227- 401K		30,985
7231- FICA		49,013
7232- FICA Seasonal	Seasonal FICA	849
7234- Medicare		11,465
7235- Medicare Seasonal	Seasonal Medicare	197
7314- Office Supplies & Materials		1,802
7315- Small Items of Equipment		,
\$100 - \$5,000		8,296
7325- Clothing And Uniforms		1,031
7328- Fleet Fuel		1,844
7333- Machinery, Vehicle &		,-
Equipment Parts	Budgeted by Equipment Maintenance:	260
7411- Postage		52
7418- Advertising		103
7426- Outside Printing		103
7 120 00:00:00 1 111101116		
	Membership in AWWA, WEF, ASCE, and other professional	
	organizations. Software for project development and modeling.	
	organizations soremand for project development and modeling.	
7432- Publications, Subscriptions,	\$10,000 for professional engineering publications, trade	
and Dues	journals, and department memberships.	4,150
7433- Memberships & Dues	pourrais, and department memberships.	1,500
7435- Other Purchased Services		31,050
7462- Equipment Maintenance		31,030
Charges		5,140
Charges		3,140

Water Engineering 421-8500-80001

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GL Account *	Notes	2024
	Training and professional development for professional	
	engineers. The annual plan is developed in consultation with	
7472- Hotel and Motel	the engineers and chief engineer.	6,120
	Training and professional development for professional	
	engineers. The annual plan is developed in consultation with	
7473- Meals	the engineers and chief engineer.	3,060
	Training and professional development for professional	
	engineers. The annual plan is developed in consultation with	
7474- Air Travel	the engineers and chief engineer.	2,575
7475- Mileage	2000 miles @ \$0.50	1,531
	Training and professional development for professional	
	engineers. The annual plan is developed in consultation with	
7477- Other Travel	the engineers and chief engineer.	515
	5 employees attending North American Society for Trenchless	
7478- Registration	Technology @ approximately \$850/person	5,152
		1,096,776

Asset Management 421-8500-80003

GL Account *	Notes	2024
7111- Regular Employees		230,743
7211- Disability		1,448
7212- Health		41,508
7213- Dental		1,284
7214- Vision		54
7215- Life		685
7216- Workers Compensation		70
7221- General Employees		9,231
7227- 401K		9,045
7231- FICA		14,307
7234- Medicare		3,345
7314- Office Supplies & Materials	New office chairs for two employees.	400
7325- Clothing And Uniforms	3 employees with \$200 uniform budget.	200
7328- Fleet Fuel		500
7433- Memberships & Dues	3 RMWA, WEF membership fees	1,000
	contracted work from wollpert/merrick for cityworks, ESRI	
7435- Other Purchased Services	assistance, asset projects	5,000
7472- Hotel and Motel	1 conference expected 2023, 2 conferences 2024	500
7475- Mileage	Mileage from DIA to Greeley x 2	150
	ESRI Conference registration, certification class/test	
7478- Registration	registration.	1,250
		320,720

Services and ivieters	421-0000-00001	
GL Account *	Notes	2024
7111- Regular Employees		381,393
7112- Salaries & Wages - Seasonal		49,991
	On call after hour /supervisor weekend rotation.Supervisor	
	weekend on-call/additional FTE possible 22. 21-22 AMI project	
7121- Overtime-Regular	more overtime.	11,881
7211- Disability		2,455
7212- Health		89,934
7213- Dental		2,788
7214- Vision		119
7215- Life		1,152
7216- Workers Compensation		1,910
7221- General Employees		15,255
7227- 401K		14,951
7231- FICA		23,640
7234- Medicare		5,533
	Office supplies including copier paper, envelopes, pens, pencils,	
	tape, printer cartridges. Recreational supplies, film, batteries	
	(A, AA, AAA's), keys, gift certificates, name tags, rubber stamps,	
	calendars and planners,	
7314- Office Supplies & Materials	trophies, plaques, prizes, awards, calculators, and flash drives.	1,030
7314- Office Supplies & Materials	tropines, piaques, prizes, awarus, calculators, and hash unives.	1,030
	Furniture and equipment with a per unit cost of \$100 - \$5,000	
721E Small Home of Equipment		
7315- Small Items of Equipment	with useful life of 1 year or more. This does not include repair	2.605
\$100 - \$5,000	parts. Budget adjusted, moved hand tools to 7349 "Tools".	3,605
	Computer, hardware/software with a per unit cost less than	
	\$5,000 with a useful life of 1 year or more. This does not	
	include repair parts. Upgrades to outdated office and field	
7316- Computer	equipment. Budget will be adjusted 2023 to maintain	
Hardware/Software < \$5000	equipment.	3,728
	Meals/Food - non-travel related food items for in-house	
	meetings and training and concessions.operations will hold	
7317- Meals/Food - Non-Travel	external safety/meetings and share expense with multiple	
Related	departments.	515
	·	
7318- Medical Supplies	First aid kits, bandages, aspirin, and other medical items.	1,030
7323- Safety And Personal		, , , , ,
Protection	PPE for six FTE at \$500 per year ea.	3,090
	Purchase of clothing and uniforms. Includes riot gear and fire	2,230
7325- Clothing And Uniforms	helmets. 600/employee x5	3,090
7328- Fleet Fuel	Budgeted by Fleet	25,958
, 320 TICCLI UCI	Daageted by Fleet	23,330

Services and ivieters	421-8000-80001	
GL Account *	Notes	2024
	Parts for fleet vehicles and equipment. maintenance supplies	
	for small engines, compressor, welders, etc. Attachments to	
7333- Machinery, Vehicle &	mobile field manitenace vehicles. vehicle tool boxes, seat	
Equipment Parts	covers etc.	1,560
	Parts and components required to repair water, sewer (below	
	ground), and sprinkler lines; plastic and concrete pipe. 15	
	meters pits @ \$120 each, 15 domes @ \$130 each, 15 setters @	
7338- Water, Sewer, Irrigation Line	\$110 each, 5 composite 24" lids @ \$240 each, misc. brass	
Repair Parts	fittings 2014 same parts with a 4.5% mark up (\$1400)	10,400
	Painting supplies; includes supplies such as brushes, rollers,	
	roller trays, spray paint, wallpaper and glue, Plumbing supplies	
	(above ground). Electrical supplies; includes wiring, fuses,	
	electrical components, light fixtures, bulbs. Building supplies	
	including lumber, nails, screws, glue. HVAC supplies; parts and	
	supplies related to the maintenance and repair of heating,	
	ventilation, and air conditioning equipment. Cleaning and	
	routine maintenance supplies such as nitrile gloves, cleansers,	
	trash	
	bags, toilet paper, tissues, paper towels, lens and sanitized	
	wipes.Historical costs for small tools, meter pit keys, stop box	
7344- Building and Grounds	keys, meter vault lid lifting hooks, shovels and janitorial	
Maintenance Supplies	supplies	7,129
7349- Tools < \$5000		10,400
	updating informational door hangers/AMI instruction hanger	
	(\$1.50/hanger) budget will trend the same 2021 to 2024 to	
7426- Outside Printing	accomadate the new meter change out program	1,030
	Annual membership fees for professional organizations that are	
	job related. AWWA, CRWA, WEF etc. Memberships to	
	organizations relevant to employee discipline. Information	
	received through these organizations keep employees	
	informed and educated on the lastest water	
	treatment/storage/distribution techniques. Provide approved	
7433- Memberships & Dues	training units to maintain certifacations.	515

Cl Assault	Material	2024
GL Account *	Notes	2024
	Charge for professional outside architects, engineers,	
	surveyors, and material testers. Professional services or	
	testimony from doctors, appraisers, ambulance charges, clinic	
	charges, and hospital charges. Expense for the performance	
	and associated cost of entertainers & cultural artists. Charges	
	for Armored Car Services. Charges for temporary personnel	
	provided by temporary service agencies, including work-study	
	program participants. Expense for professional data processing	
	advice, web site development, instruction, or services. Ergo	
	Med, Court interpreters, DJ's, Security Service, written	
	agreements for hardware and software maintenance. Monthly	
	fees for radios, pagers, & related radio equipment. Vehicle	
	towing services, Internet access. Cost for county jail services	
	(boarding of prisoners). Filing fees for legal documents	
	recorded by the county or state. Professional dry cleaning and	
	cleaning of uniforms, tablecloths, blankets, drapes, towels, etc.	
	Also includes misc. items such as port-a-potties, landfill	
	charges, sludge analysis & hauling, film development, lab	
	analysis, background checks, certification, CPR cards, piano	
	tuning, recycling documents, pest control. Permits, Airfare &	
	hotel for recruiting, entertainers, and trainers. Meals for senior	
	trips, tree trimming, weed mowing, and trash removal for other	
	property owners (not property that the City owns) K-9	
7405 011 0 1 10 1	boarding. Replaces 7458 and 7496 in Finance Plus.large meter	
7435- Other Purchased Services	testing	4,944
7441- Electric	Budgeted by Finance (based on incrs & 12mo rolling avg)	3,938
7444- Natural Gas	Budgeted by Finance (based on incrs & 12mo rolling avg)	3,696
	Charges from outside contractors for vehicle repair and	
	maintenance services. including car washes. Outside services	
	for the repair and maintenance of elevators, machine, power	
	tools, pumps, and other equipment. Also, includes welding and	
	similar technical services. Annual fire extinguishers charging.	
7461- Machine, Vehicle, Equipment	Flat tire repair.	1,050
7462- Equipment Maintenance		
Charges	Budgeted by Equipment Maintenance	9,215

Building and grounds maintenance - outside services for window washing, glass repair, overhead door repair, carpet cleaning, general cleaning, and similar building maintenance. Outside plumbing, heating and electrical services such as inspections, repairs, locks and keying, & related general maintenance. For properties that the City does own. Outside services related to sprinkler systems, sidewalk/concrete repair and replacement, grass seeding and sodding, landscaping and landscape maintenance, tree trimming, and fence installation or repair. Expense for overnight lodging on city business if not included in registration. The increase in budget will cover hotel expense for employees traveling to conferences and school to achieve/maintain City, State & federal certifacations to operate and deliver water per the EPA/CDPHE safe water drinking act. 2,572 7473- Meals Expense for meals while on city business and seminars. 515 7474- Air Travel Reimbursement to employees for the use of their personal vehicle for official citybusiness at a designated rate per mile. Sign up fee for seminars, workshops, and conferences. Registration fees for EPA/CDPHE approved courses/schools/conferences and internet training necessary to achieve/maintain, State/Federal certifacations in Storage and distribution of safe, quaility drinking water. 1,030	services and ivieters	421-8600-86001	
window washing, glass repair, overhead door repair, carpet cleaning, general cleaning, and similar building maintenance. Outside plumbing, heating and electrical services such as inspections, repairs, locks and keying, & related general maintenance. For properties that the City does own. Outside services related to sprinkler systems, sidewalk/concrete repair and replacement, grass seeding and sodding, landscaping and landscape maintenance, tree trimming, and fence installation or repair. Expense for overnight lodging on city business if not included in registration. The increase in budget will cover hotel expense for employees traveling to conferences and school to achieve/maintain City, State & federal certifacations to operate and deliver water per the EPA/CDPHE safe water drinking act. Expense for meals while on city business and seminars. 515 7474- Air Travel Reimbursement to employees for the use of their personal vehicle for official citybusiness at a designated rate per mile. Sign up fee for seminars, workshops, and conferences. Registration fees for EPA/CDPHE approved courses/schools/conferences and internet training necessary to achieve/maintain, State/Federal certifacations in Storage and distribution of safe, qualility drinking water. 1,030 7478- Registration Small equipment rental. 3,300	GL Account *	Notes	2024
window washing, glass repair, overhead door repair, carpet cleaning, general cleaning, and similar building maintenance. Outside plumbing, heating and electrical services such as inspections, repairs, locks and keying, & related general maintenance. For properties that the City does own. Outside services related to sprinkler systems, sidewalk/concrete repair and replacement, grass seeding and sodding, landscaping and landscape maintenance, tree trimming, and fence installation or repair. Expense for overnight lodging on city business if not included in registration. The increase in budget will cover hotel expense for employees traveling to conferences and school to achieve/maintain City, State & federal certifacations to operate and deliver water per the EPA/CDPHE safe water drinking act. Expense for meals while on city business and seminars. 515 7474- Air Travel Reimbursement to employees for the use of their personal vehicle for official citybusiness at a designated rate per mile. Sign up fee for seminars, workshops, and conferences. Registration fees for EPA/CDPHE approved courses/schools/conferences and internet training necessary to achieve/maintain, State/Federal certifacations in Storage and distribution of safe, qualility drinking water. 1,030 7478- Registration Small equipment rental. 3,300			
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Outside plumbing, heating and electrical services such as inspections, repairs, locks and keying, & related general maintenance. For properties that the City does own. Outside services related to sprinkler systems, sidewalk/concrete repair and replacement, grass seeding and sodding, landscaping and landscape maintenance, tree trimming, and fence installation or repair. Expense for overnight lodging on city business if not included in registration. The increase in budget will cover hotel expense for employees traveling to conferences and school to achieve/maintain City, State & federal certifacations to operate and deliver water per the EPA/CDPHE safe water drinking act. Expense for meals while on city business and seminars. 515 7473- Meals Expense for meals while on city business and seminars. 516 Reimbursement to employees for the use of their personal vehicle for official citybusiness at a designated rate per mile. Sign up fee for seminars, workshops, and conferences. Registration fees for EPA/CDPHE approved courses/schools/conferences and internet training necessary to achieve/maintain, State/Federal certifacations in Storage and distribution of safe, quaility drinking water. 1,030 7478- Registration Mall equipment rental. Small equipment rental.		window washing, glass repair, overhead door repair, carpet	
inspections, repairs, locks and keying, & related general maintenance. For properties that the City does own. Outside services related to sprinkler systems, sidewalk/concrete repair and replacement, grass seeding and sodding, landscaping and landscape maintenance, tree trimming, and fence installation or repair. 2,625 Expense for overnight lodging on city business if not included in registration. The increase in budget will cover hotel expense for employees traveling to conferences and school to achieve/maintain City, State & federal certifacations to operate and deliver water per the EPA/CDPHE safe water drinking act. 2,575 7473- Meals Expense for meals while on city business and seminars. 515 7474- Air Travel Reimbursement to employees for the use of their personal vehicle for official citybusiness at a designated rate per mile. Sign up fee for seminars, workshops, and conferences. Registration fees for EPA/CDPHE approved courses/schools/conferences and internet training necessary to achieve/maintain, State/Federal certifacations in Storage and distribution of safe, quaility drinking water. 1,030 7478- Registration Small equipment rental. Small equipment rental.		cleaning, general cleaning, and similar building maintenance.	
maintenance. For properties that the City does own. Outside services related to sprinkler systems, sidewalk/concrete repair and replacement, grass seeding and sodding, landscaping and landscape maintenance, tree trimming, and fence installation or repair. Expense for overnight lodging on city business if not included in registration. The increase in budget will cover hotel expense for employees traveling to conferences and school to achieve/maintain City, State & federal certifacations to operate and deliver water per the EPA/CDPHE safe water drinking act. Expense for meals while on city business and seminars. 515 7474- Air Travel Reimbursement to employees for the use of their personal vehicle for official citybusiness at a designated rate per mile. Sign up fee for seminars, workshops, and conferences. Registration fees for EPA/CDPHE approved courses/schools/conferences and internet training necessary to achieve/maintain, State/Federal certifacations in Storage and distribution of safe, quality drinking water. 1,030 7633- Equipment Rentals Small equipment rental. 3,300		Outside plumbing, heating and electrical services such as	
services related to sprinkler systems, sidewalk/concrete repair and replacement, grass seeding and sodding, landscaping and landscape maintenance, tree trimming, and fence installation or repair. Expense for overnight lodging on city business if not included in registration. The increase in budget will cover hotel expense for employees traveling to conferences and school to achieve/maintain City, State & federal certifacations to operate and deliver water per the EPA/CDPHE safe water drinking act. Expense for meals while on city business and seminars. Expense for meals while on city business and seminars. Sign up fee for seminars, workshops, and conferences. Registration fees for EPA/CDPHE approved courses/schools/conferences and internet training necessary to achieve/maintain, State/Federal certifacations in Storage and distribution of safe, qualility drinking water. 1,030 2633- Equipment Rentals Small equipment rental. 3,300		inspections, repairs, locks and keying, & related general	
repair and replacement, grass seeding and sodding, landscaping and landscape maintenance, tree trimming, and fence installation or repair. Expense for overnight lodging on city business if not included in registration. The increase in budget will cover hotel expense for employees traveling to conferences and school to achieve/maintain City, State & federal certifacations to operate and deliver water per the EPA/CDPHE safe water drinking act. Expense for meals while on city business and seminars. Expense for meals while on city business and seminars. Expense for meals while on city business and seminars. Expense for for ficial citybusiness at a designated rate per mile. Sign up fee for seminars, workshops, and conferences. Registration fees for EPA/CDPHE approved courses/schools/conferences and internet training necessary to achieve/maintain, State/Federal certifacations in Storage and distribution of safe, quality drinking water. 1,030 7478- Registration Small equipment rental. 2,625 2,625 2,625 2,625 2,625 Expense for overnight lodging on city business if not included in registration feet perpase. 2,575 2,575 2,575 2,060 2,575 2,060 2,575 2,060 2,775 Arra- Neals Fellower water per the EPA/CDPHE approved courses/schools/conferences and internet training necessary to achieve/maintain, State/Federal certifacations in Storage and distribution of safe, quality drinking water. 1,030		maintenance. For properties that the City does own. Outside	
and landscape maintenance, tree trimming, and fence installation or repair. Expense for overnight lodging on city business if not included in registration. The increase in budget will cover hotel expense for employees traveling to conferences and school to achieve/maintain City, State & federal certifacations to operate and deliver water per the EPA/CDPHE safe water drinking act. Expense for meals while on city business and seminars. Expense for meals while on city business and seminars. Expense for meals while on city business and seminars. Expense for meals while on city business and seminars. Sign up fee for seminars, workshops, and conferences. Registration fees for EPA/CDPHE approved courses/schools/conferences and internet training necessary to achieve/maintain, State/Federal certifacations in Storage and distribution of safe, qualility drinking water. 1,030 7478- Registration Small equipment rental. Small equipment rental.		services related to sprinkler systems, sidewalk/concrete	
Expense for overnight lodging on city business if not included in registration. The increase in budget will cover hotel expense for employees traveling to conferences and school to achieve/maintain City, State & federal certifacations to operate and deliver water per the EPA/CDPHE safe water drinking act. Expense for meals while on city business and seminars. Ex		repair and replacement, grass seeding and sodding, landscaping	
Expense for overnight lodging on city business if not included in registration. The increase in budget will cover hotel expense for employees traveling to conferences and school to achieve/maintain City, State & federal certifacations to operate and deliver water per the EPA/CDPHE safe water drinking act. 2,575 Expense for meals while on city business and seminars. 515 7474- Air Travel Reimbursement to employees for the use of their personal vehicle for official citybusiness at a designated rate per mile. Sign up fee for seminars, workshops, and conferences. Registration fees for EPA/CDPHE approved courses/schools/conferences and internet training necessary to achieve/maintain, State/Federal certifacations in Storage and distribution of safe, qualility drinking water. 1,030 7478- Registration Small equipment rental. Small equipment rental.		and landscape maintenance, tree trimming, and fence	
registration. The increase in budget will cover hotel expense for employees traveling to conferences and school to achieve/maintain City, State & federal certifacations to operate and deliver water per the EPA/CDPHE safe water drinking act. 2,575 2,575 2,7473- Meals Expense for meals while on city business and seminars. 515 7474- Air Travel Reimbursement to employees for the use of their personal vehicle for official citybusiness at a designated rate per mile. Sign up fee for seminars, workshops, and conferences. Registration fees for EPA/CDPHE approved courses/schools/conferences and internet training necessary to achieve/maintain, State/Federal certifacations in Storage and distribution of safe, quaility drinking water. 1,030 7478- Registration Small equipment rental. Small equipment rental.	7466- Facilities Maintenance	installation or repair.	2,625
registration. The increase in budget will cover hotel expense for employees traveling to conferences and school to achieve/maintain City, State & federal certifacations to operate and deliver water per the EPA/CDPHE safe water drinking act. 2,575 2,575 2,7473- Meals Expense for meals while on city business and seminars. 515 7474- Air Travel Reimbursement to employees for the use of their personal vehicle for official citybusiness at a designated rate per mile. Sign up fee for seminars, workshops, and conferences. Registration fees for EPA/CDPHE approved courses/schools/conferences and internet training necessary to achieve/maintain, State/Federal certifacations in Storage and distribution of safe, quaility drinking water. 1,030 7478- Registration Small equipment rental. Small equipment rental.			
for employees traveling to conferences and school to achieve/maintain City, State & federal certifacations to operate and deliver water per the EPA/CDPHE safe water drinking act. 2,575 7473- Meals Expense for meals while on city business and seminars. 515 7474- Air Travel Reimbursement to employees for the use of their personal vehicle for official citybusiness at a designated rate per mile. Sign up fee for seminars, workshops, and conferences. Registration fees for EPA/CDPHE approved courses/schools/conferences and internet training necessary to achieve/maintain, State/Federal certifacations in Storage and distribution of safe, quality drinking water. 1,030 7633- Equipment Rentals Small equipment rental. 3,300			
achieve/maintain City, State & federal certifacations to operate and deliver water per the EPA/CDPHE safe water drinking act. 2,575 2,575 2,7473- Meals Expense for meals while on city business and seminars. 515 2,060 Reimbursement to employees for the use of their personal vehicle for official citybusiness at a designated rate per mile. 515 Sign up fee for seminars, workshops, and conferences. Registration fees for EPA/CDPHE approved courses/schools/conferences and internet training necessary to achieve/maintain, State/Federal certifacations in Storage and distribution of safe, quaility drinking water. 1,030 7633- Equipment Rentals Small equipment rental. 3,300			
7472- Hotel and Motel and deliver water per the EPA/CDPHE safe water drinking act. 2,575 7473- Meals Expense for meals while on city business and seminars. 515 7474- Air Travel 2,060 Reimbursement to employees for the use of their personal vehicle for official citybusiness at a designated rate per mile. 515 Sign up fee for seminars, workshops, and conferences. Registration fees for EPA/CDPHE approved courses/schools/conferences and internet training necessary to achieve/maintain, State/Federal certifacations in Storage and distribution of safe, quality drinking water. 1,030 7478- Registration Small equipment rental. 3,300			
Expense for meals while on city business and seminars. 515 7474- Air Travel Reimbursement to employees for the use of their personal vehicle for official citybusiness at a designated rate per mile. Sign up fee for seminars, workshops, and conferences. Registration fees for EPA/CDPHE approved courses/schools/conferences and internet training necessary to achieve/maintain, State/Federal certifacations in Storage and distribution of safe, quality drinking water. 1,030 7633- Equipment Rentals Small equipment rental. 3,300			
Reimbursement to employees for the use of their personal vehicle for official citybusiness at a designated rate per mile. Sign up fee for seminars, workshops, and conferences. Registration fees for EPA/CDPHE approved courses/schools/conferences and internet training necessary to achieve/maintain, State/Federal certifacations in Storage and distribution of safe, quaility drinking water. 7478- Registration Small equipment rental. Small equipment rental. 3,300	7472- Hotel and Motel	and deliver water per the EPA/CDPHE safe water drinking act.	2,575
Reimbursement to employees for the use of their personal vehicle for official citybusiness at a designated rate per mile. Sign up fee for seminars, workshops, and conferences. Registration fees for EPA/CDPHE approved courses/schools/conferences and internet training necessary to achieve/maintain, State/Federal certifacations in Storage and distribution of safe, quaility drinking water. 1,030 7633- Equipment Rentals Small equipment rental. 3,300	7473- Meals	Expense for meals while on city business and seminars.	515
Sign up fee for seminars, workshops, and conferences. Registration fees for EPA/CDPHE approved courses/schools/conferences and internet training necessary to achieve/maintain, State/Federal certifacations in Storage and distribution of safe, quaility drinking water. 1,030 7633- Equipment Rentals Small equipment rental. 3,300	7474- Air Travel		2,060
Sign up fee for seminars, workshops, and conferences. Registration fees for EPA/CDPHE approved courses/schools/conferences and internet training necessary to achieve/maintain, State/Federal certifacations in Storage and distribution of safe, quaility drinking water. 1,030 7633- Equipment Rentals Small equipment rental. 3,300		Reimbursement to employees for the use of their personal	
Sign up fee for seminars, workshops, and conferences. Registration fees for EPA/CDPHE approved courses/schools/conferences and internet training necessary to achieve/maintain, State/Federal certifacations in Storage and distribution of safe, quaility drinking water. 1,030 7633- Equipment Rentals Small equipment rental. 3,300	7475- Mileage	·	515
Registration fees for EPA/CDPHE approved courses/schools/conferences and internet training necessary to achieve/maintain, State/Federal certifacations in Storage and distribution of safe, quaility drinking water. 1,030 Small equipment rental. 3,300	7475 Willeage	vernete for official dreybusiness at a designated rate per fille.	313
courses/schools/conferences and internet training necessary to achieve/maintain, State/Federal certifacations in Storage and distribution of safe, quaility drinking water. 1,030 27633- Equipment Rentals Small equipment rental. 3,300		Sign up fee for seminars, workshops, and conferences.	
achieve/maintain, State/Federal certifacations in Storage and distribution of safe, quaility drinking water. 1,030 7633- Equipment Rentals Small equipment rental. 3,300		Registration fees for EPA/CDPHE approved	
7478- Registration distribution of safe, quaility drinking water. 1,030 7633- Equipment Rentals Small equipment rental. 3,300		courses/schools/conferences and internet training necessary to	
7478- Registration distribution of safe, quaility drinking water. 1,030 7633- Equipment Rentals Small equipment rental. 3,300		achieve/maintain, State/Federal certifacations in Storage and	
7633- Equipment Rentals Small equipment rental. 3,300	7478- Registration	_	1,030
709,545	7633- Equipment Rentals	Small equipment rental.	3,300
			709,545

CL Assemb *	Notes	2024
GL Account *	Notes	2024
7111- Regular Employees		373,675
	The second Transport of the second se	
	support Transmission/Reservoir crews with system	
	maintenance and in-house CIP projects, assist the maintenance	
	mechanic with routine preventative maintenance, perform	
7112- Salaries & Wages - Seasonal	landscape maintenance and assist with confined space entries.	24,995
	on-call/weekend duty: average hourly rate for (6) fte's average	ļ
	rate \$41: on-duty is 10 hrs.@ \$41/hr. x 52 weeks. \$21,320	
	Holiday coverage: 5 hrs. @ \$41/hr. x 10. \$ 2,056 Emergency	
	response: 56 calls @ \$41/hr. \$2,296 Utility locate tech after	
7121- Overtime-Regular	hour projects/call outs 100 hrs. @ \$41/hr.	24,892
7211- Disability		2,396
7212- Health		83,016
7213- Dental		2,574
7214- Vision		108
7215- Life		1,121
7216- Workers Compensation		2,019
7217- Worker		
Compensation/Seasonal	Seasonal Workers Comp	628
7221- General Employees		14,947
7227- 401K		14,648
7231- FICA		23,166
7232- FICA Seasonal	Seasonal FICA	1,340
7234- Medicare		5,418
7235- Medicare Seasonal	Seasonal Medicare	330
	Office supplies including copier paper, envelopes, pens, pencils,	
	tape, printer cartridges. Recreational supplies, film, batteries	
	(A, AA, AAA's), keys, gift certificates, name tags, rubber stamps,	
	calendars and planners,	
7214 Office Counties C Masterials	trophies, plaques, prizes, awards, calculators, and flash drives.	2 200
7314- Office Supplies & Materials	Includes everything that was in 7314 and 7329 in Finance Plus.	3,399
	Furniture and equipment with a per unit cost of \$100 - \$5,000	
7315- Small Items of Equipment	with useful life of 1 year or more. This does not include repair	
\$100 - \$5,000	parts. Budget adjusted, moved hand tools to 7349 "Tools".	4,120
7100 70,000	parts. Badget adjusted, moved hand tools to 75-5 10015.	7,120

Transmission - Reservoirs	4 21-8000-80002	
GL Account *	Notes	2024
	Computer, hardware/software with a per unit cost less than	
	\$5,000 with a useful life of 1 year or more. This does not	
	include repair parts. Upgrades to outdated office and field	
	equipment. Budget will be adjusted 2023 to maintain	
	equipment. Additional FTE needs/update existing. Reservoirs is	
7316- Computer	in need of mobile equipment, i.e., laptops, smart phones, etc.	
Hardware/Software < \$5000	Budget will be readjusted 2023 to maintain equipment.	4,127
	Meals/Food - non-travel related food items for in-house	
	meetings and training and concessions operations will hold	
7317- Meals/Food - Non-Travel	external safety/meetings and share expense with multiple	
, Related	departments.	515
7318- Medical Supplies	First aid kits, bandages, aspirin, and other medical items.	1,030
	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	,
	Lab supplies, hazmat supplies, mace, and less-lethal rounds.	
	Chemicals required for operations such as chlorine, de-icing	
	salt, fertilizers, weed spray, fire extinguishers (not charging –	
	see 7461) bug spray, pest strips, CO2 detectors, etc.At our 3	
	reservoir complexes we use sodium hypochlorite solution to	
	provide secondary disinfection treatment per State/Federal	
	safe drinking water regulations. Gallons used is proportional	
	with gallons of water usage, time of year, temperature, etc.	
	Under new management 2021. Need to baseline and adjust	
	budget accordingly. 2020 actual is the base (3%) calculation for	
7321- Medical/Chemical	2022 budget.	76,050
7321- Wedical/ Cheffical	Safety glasses, boots, ear protection, gloves, safety vests, hard	70,030
7323- Safety And Personal	hats, ear plugs, and masks (PPE). \$600/employee - added FTE	
Protection	2021.	E 047
riotection	Purchase of clothing and uniforms. Includes riot gear and fire	5,047
7225 Clothing And Uniforms	helmets. \$600/employee - added FTE 2021	2 472
7325- Clothing And Uniforms 7328- Fleet Fuel	Budgeted by Fleet	2,472 13,451
7320 110001 001	Parts for fleet vehicles and equipment. maintenance supplies	13,431
	for small engines, compressor, welders, etc. Attachments to	
7222 Machinary Vahida 8		
7333- Machinery, Vehicle &	mobile field manitenace vehicles. vehicle tool boxes, seat	4 205
Equipment Parts	covers etc.	4,285

Transmission - Reservoirs	421-0000-00002	
GL Account *	Notes	2024
	Parts and components required to repair water, sewer (below	
	ground), and sprinkler lines; plastic and concrete pipe. Parts	
	used for transmission and distribution system appurtenances.	
	major areas are: combination air vacuum valves and hardware	
	located in vaults throughout the entire transmission system; 24	
	pressure regulating stations located throughout the distribution	
	system; parts for repairing plumbing, pumps, the sodium	
7338- Water, Sewer, Irrigation Line	hyperchlorite dispensing systems at 3 reservoir complexes.	
Repair Parts	Added 2 PRVs 20, 21,23 and 24	4,368
inepair and		1,000
	Painting supplies; includes supplies such as brushes, rollers,	
	roller trays, spray paint, wallpaper and glue, Plumbing supplies	
	(above ground). Electrical supplies; includes wiring, fuses,	
	electrical components, light fixtures, bulbs. Building supplies	
	including lumber, nails, screws, glue. HVAC supplies; parts and	
	supplies related to the maintenance and repair of heating,	
	ventilation, and air conditioning equipment. Cleaning and	
	routine maintenance supplies such as nitrile gloves, cleansers,	
	trash	
	bags, toilet paper, tissues, paper towels, lens and sanitized	
	wipes.painting supplies and janitorial supplies for the (3)	
7344- Building and Grounds	reservoir complexes and the zone 4 pump station are	
Maintenance Supplies	purchased through this account	20,800
	Sign parts and supplies, traffic signal supplies. Pavement	
	marking supplies; including pavement paint, thermoplastic	
	markings, etc. Asphalt, tack oil, sand, gravel, and other street	
	repair supplies. Parts for the repair and maintenance of motor	
	vehicles, small engines, batteries (A, AA, AAA, etc. under 7314),	
	chain saws, generators, welders, weed eaters, testing and lab	
	equipment. Also, grader blades & snow blades less than \$5000,	
	tires (includes labor for balancing and mounting), tubes, wheel	
	weights, patching supplies. Vehicle oil, lubricants and	
	windshield wiper fluid. Also includes rope, brooms, shovels,	
7346- Street & Traffic Repair and	rakes, small tools under \$100.00, glue, sand for golf courses	
Maintenance Supplies	and park sand.	1,248
7348- Plant Materials	Sod, grass for the (3) reservoir complexes	520
	1 , 5	

GL Account *	Notes	2024
	The purchase of small tools, lumber, ladders, rakes, shovels,	
	weed eaters and mower blades. also includes all cutting blades	
	for chop saws, angle grinders, reciprocating saws and all	
7349- Tools < \$5000	welding supplies. Hand tools addition/replacement	10,400
7424- In-House Copying		1,030
	Typesetting, printing, binding, graphics, and related	
	professional printing services for reports, brochures, flyers,	
	business cards, forms, etc. Also includes outside copy charges,	
7426- Outside Printing	laminating, small signs and decals made by outside service.	155
	<i>S</i> , <i>S</i>	
	The purchase of work-related books, reports, manuals, and	
	other publications. Subscriptions to newspapers, magazines,	
	newsletters, similar publications, including updates to law	
7432- Publications, Subscriptions,	journals and professional practices. Cd's, dvd's. \$750 for Cert	
and Dues	training material and AWWA Opflow.	1,031
	Annual membership fees for professional organizations that are	
	, ,	
	job related. AWWA, CRWA, WEF etc. Memberships to	
	organizations relevant to employee discipline. Information	
	received through these organizations keep employees informed and educated on the lastest water	
7422 Manaharahina 8 Dusa	treatment/storage/distribution techniques. Provide approved	1 020
7433- Memberships & Dues	training units to maintain certifacations.	1,030

GL Account *	Notes	2024
	Charge for professional outside architects, engineers,	
	surveyors, and material testers. Professional services or	
	testimony from doctors, appraisers, ambulance charges, clinic	
	charges, and hospital charges. Expense for the performance	
	and associated cost of entertainers & cultural artists. Charges	
	for Armored Car Services. Charges for temporary personnel	
	provided by temporary service agencies, including work-study	
	program participants. Expense for professional data processing	
	advice, web site development, instruction, or services. Ergo	
	-	
	Med, Court interpreters, DJ's, Security Service, written	
	agreements for hardware and software maintenance. Monthly	
	fees for radios, pagers, & related radio equipment. Vehicle	
	towing services, Internet access. Cost for county jail services	
	(boarding of prisoners). Filing fees for legal documents	
	recorded by the county or state. Professional dry cleaning and	
	cleaning of uniforms, tablecloths, blankets, drapes, towels, etc.	
	Also includes misc. items such as port-a-potties, landfill	
	charges, sludge analysis & hauling, film development, lab	
	analysis, background checks, certification, CPR cards, piano	
	tuning, recycling documents, pest control. Permits, Airfare &	
	hotel for recruiting, entertainers, and trainers. Meals for senior	
	trips, tree trimming, weed mowing, and trash removal for other	
	property owners (not property that the City owns) K-9	
	boarding. Replaces 7458 and 7496 in Finance Plus.	
	Instructional advice received about the maintenance of our	
7435- Other Purchased Services	cathodic protection system. This is our corrosion control	75,030
	Electrical services are provided to operate and protect our	
	distribution and transmission systems. City of Greeley	
	water/sewer receives electrical services from both xcel energy	
	and poudre valley rural electrical association as part of our	
	cathodic protection system, which impresses an electrical	
	current onto the larger steel transmission main, we have 6	
	rectifiers. To move water through the reservoir complexes and	
	provide water to zone 4 (promontory) we have 2 major pump	
	stations. 1) of our 22 pressure regulating valve stations	
	received power. This provides remote operation and	
	supervisory control and data acquisition capabilities. Budgeted	
7441- Electric	by Finance.	284,599
7442 MataulGaussiGiassa	Budastad ku Finana (kasad an isan 2.42 ya sulitan a	4.04=
7442- Water/Sewer/Stormwater	Budgeted by Finance (based on incrs & 12mo rolling avg)	1,945

GL Account *	Notes	2024
7444- Natural Gas	Budgeted by Finance (based on incrs & 12mo rolling avg)	5,687
7446- Other Utility		1,050
	Charges from outside contractors for vehicle repair and maintenance services. including car washes. Outside services for the repair and maintenance of elevators, machine, power tools, pumps, and other equipment. Also, includes welding and similar technical services. Annual fire extinguishers charging. Flat tire repair. Contracted outside services for the repair and maintenance of streets and roads, including snow removal, asphalt patching, sweeping, repair, street lights, etc.Outside equipment repair. Annual cost for the asphalt paving, curb, gutter and sidewalk replacement damaged or removed during	
	PRV,vault repair replacement. Traffic control when working on	
7461- Machine, Vehicle, Equipment	PRV vaults. maintenance service on 3 generators.	1,680
7462- Equipment Maintenance		
Charges	Budgeted by Equipment Maintenance	29,064
	Building and grounds maintenance - outside services for window washing, glass repair, overhead door repair, carpet cleaning, general cleaning, and similar building maintenance. Outside plumbing, heating and electrical services such as inspections, repairs, locks and keying, & related general maintenance. For properties that the City does own. Outside services related to sprinkler systems, sidewalk/concrete repair and replacement, grass seeding and sodding, landscaping and landscape	
7466- Facilities Maintenance	maintenance, tree trimming, and fence installation or repair.	1,050
7473- Meals	Expense for meals while on city business and seminars.	515
7475- Mileage	Reimbursement to employees for the use of their personal vehicle for official city business at a designated rate per mile.	515

GL Account *	Notes	2024
	Sign up fee for seminars, workshops, and conferences. Registration fees for EPA/CDPHE approved courses/schools/conferences and internet training necessary to achieve/maintain, State/Federal certifacations in Storage and	
7478- Registration	distribution of safe, quaility drinking water.	5,150
7633- Equipment Rentals	heavy contruction equip, compactors, mini x, etc	2,500
		1,139,136

Distribution	421-0000-00003	
GL Account *	Notes	2024
7111- Regular Employees		1,157,164
7112- Salaries & Wages - Seasonal		69,000
	Projected work programs/leak history: 35 leak repairs/special	
	project x 6hrs @ \$404/event (crew rate) = \$84,800. 25	
7121- Overtime-Regular	emergency repairs x 2hrs @ \$404/event = \$20,200. 200	136,904
7211- Disability		7,416
7212- Health		255,966
7213- Dental		7,939
7214- Vision		333
7215- Life		3,477
7216- Workers Compensation		6,098
7221- General Employees		46,284
7227- 401K		45,367
7231- FICA		71,751
7234- Medicare		16,777
	Office supplies including copier paper, envelopes, pens, pencils,	
	tape, printer cartridges. Recreational supplies, film, batteries	
	(D/C, AA, AAA's), keys, gift certificates, name tags, rubber	
	stamps, calendars and planners,	
7314- Office Supplies & Materials	trophies, plaques, prizes, awards, calculators, and flash drives.	5,665
	Furniture and equipment with a per unit cost of \$100 - \$5,000	
7315- Small Items of Equipment	with useful life of 1 year or more. This does not include repair	
\$100 - \$5,000	parts. Budget adjusted, moved hand tools to 7349 "Tools".	21,630
	Computer, hardware/software with a per unit cost less than	
	\$5,000 with a useful life of 1 year or more. This does not	
	include repair parts. Upgrades to outdated office and field	
	equipment. additional laptops are needed to monitor	
7316- Computer	transmission/distribution and reservoirs, make adjustments to	
Hardware/Software < \$5000	flows and chemical feeds remotley. Budget will be adjusted	11,715
	Meals/Food - non-travel related food items for in-house	,
7317- Meals/Food - Non-Travel	meetings and training and concessions.operations will hold	
Related	external safety/meetings and share expense with multiple	1,030
7318- Medical Supplies	First aid kits, bandages, aspirin, and other medical items.	1,030
• •		,
	Lab supplies, hazmat supplies, mace, and less-lethal rounds.	
	Chemicals required for operations such as chlorine, de-icing	
	salt, fertilizers, weed spray, fire extinguishers (not charging –	
7321- Medical/Chemical	see 7461) bug spray, pest strips, CO2 detectors, etc.	1,030
7325- Clothing And Uniforms	Purchase of clothing and uniforms. \$600/14 employee	12,824
7328- Fleet Fuel	Budgeted by Fleet	59,507
, 323 110001 401	I addition by their	33,307

Distribution	421-0000-00003	
GL Account *	Notes	2024
	Parts for fleet vehicles and equipment. maintenance supplies	
7333- Machinery, Vehicle &	for small engines, compressor, welders, etc. Attachments to	
Equipment Parts	mobile field manitenace vehicles. vehicle tool boxes, seat	5,892
	Parts and components required to repair water, sewer (below	
	ground), and sprinkler lines; plastic and concrete pipe. Average	
	70 leaks per year. Cost varies due to repair parts required. Cost	
7338- Water, Sewer, Irrigation Line	per leak repair varies from \$2,500 to \$35,000. Stainless steel	
Repair Parts	leak repair clamps; range 3" to 36". Repair clamps range in	12,896
	Painting supplies; includes supplies such as brushes, rollers,	
	roller trays, spray paint, wallpaper and glue, Plumbing supplies	
	(above ground). Electrical supplies; includes wiring, fuses,	
	electrical components, light fixtures, bulbs. Building supplies	
	including lumber, nails, screws, glue. HVAC supplies; parts and	
7344- Building and Grounds	supplies related to the maintenance and repair of heating,	
Maintenance Supplies	ventilation, and air conditioning equipment. Cleaning and	10,400
	Historical costs for repairing the public right of way after	
	emergency corrective repairs that have been made to the	
	distribution and transmission water systems. flow fill @	
7346- Street & Traffic Repair and	\$90/cyd, cold mix @ \$150/ton, fill sand @ \$12/ton, 3/4	
Maintenance Supplies	washed \$28/ton & 1 1/2" washed rock \$28/ton, hot asphalt	38,686
7348- Plant Materials	misc- replacement of shrubbery/planters due to	1,560
	Tools with a per unit cost between \$100 and \$5,000 with useful	
	life of 1 year or more. The purchase of small tools, lumber,	
	ladders, rakes, shovels, weed eaters and mower blades. also	
7349- Tools < \$5000	includes all cutting blades for chop saws, angle grinders,	20,800
7411- Postage		103
7424- In-House Copying		1,545
	Typesetting, printing, binding, graphics, and related	
	professional printing services for reports, brochures, flyers,	
7426- Outside Printing	business cards, forms, etc. Also includes outside copy charges,	515
	The purchase of work-related books, reports, manuals, and	
	other publications. Subscriptions to newspapers, magazines,	
	newsletters, similar publications, including updates to law	
7432- Publications, Subscriptions,	journals and professional practices. Cd's, dvd'sreadjusting	
and Dues	budget and re-evaluating Subscriptions	515
	Annual membership fees for professional organizations that	
	are job related. AWWA, CRWA, WEF etc. Memberships to	
	organizations relevant to employee discipline. Information	
	received through these organizations keep employees	
7433- Memberships & Dues	informed and educated on the lastest water	1,030
for the state		,

וווטענוטוו	421-0000-00003	
GL Account *	Notes	2024
	surveyors, and material testers. Professional services or	
	testimony from doctors, appraisers, ambulance charges,	
	clinic charges, and hospital charges. Expense for the	
	performance and associated cost of entertainers &	
	cultural artists. Charges for Armored Car Services. Charges	
	for temporary personnel provided by temporary service	
	agencies, including	
	work-study program participants. Expense for	
	professional data processing advice, web site	
	development, instruction, or services. Ergo Med, Court	
	interpreters, DJ's, Security Service, written agreements	
	for hardware and software maintenance. Monthly fees	
	for radios, pagers, & related radio equipment. Vehicle	
	towing services, Internet access. Cost for county jail	
	services (boarding of prisoners). Filing fees for legal	
	documents recorded by the county or state. Professional	
	dry cleaning and cleaning of uniforms, tablecloths,	
	blankets, drapes, towels, etc. Also includes misc. items	
	such as port-a-potties, landfill charges, sludge analysis &	
	hauling, film development, lab analysis, background	
	checks, certification, CPR cards, piano tuning, recycling	
	documents, pest control. Permits, Airfare & hotel for	
	recruiting, entertainers, and trainers. Meals for senior	
	trips, tree trimming, weed mowing, and trash removal for	
7425 Other Durchesed Comitees	- · ·	27.000
7435- Other Purchased Services 7441- Electric	other property owners (not property that the City owns) K-	
7444- Natural Gas	Based on incrs & 12mo rolling avg Based on incrs & 12mo rolling avg	11,548 2,479
7446- Other Utility	Based on micrs & 12mo rolling avg	63
7440- Other Othicy	Charges from outside contractors for vehicle repair and	0.5
	maintenance services. including car washes. Outside services	
	for the repair and maintenance of elevators, machine, power	
	tools, pumps, and other equipment. Also, includes welding and	
	similar technical services. Annual fire extinguishers charging.	
	Flat tire repair. Contracted outside services for the repair and	
	maintenance of streets and roads, including snow removal,	
	asphalt patching, sweeping, repair, street lights, etc.Outside	
7461- Machine, Vehicle, Equipment	equipment repair. Annual cost for the asphalt paving, curb,	45,045

GL Account *	Notes	2024
7462- Equipment Maintenance		
Charges	Budgeted by Equipment Maintenance	111,499
	Building and grounds maintenance - outside services for	
	window washing, glass repair, overhead door repair, carpet	
	cleaning, general cleaning, and similar building maintenance.	
	Outside plumbing, heating and electrical services such as	
	inspections, repairs, locks and keying, & related general	
	maintenance. For properties that the City does own. Outside	
	services related to sprinkler systems, sidewalk/concrete repair	
7466- Facilities Maintenance	and replacement, grass seeding and sodding, landscaping and	5,250
	Expense for overnight lodging on city business if not included in registration. The increase in budget will cover hotel expense	
	for employees traveling to conferences and school to	
	achieve/maintain City, State & federal certifacations to operate	
7472- Hotel and Motel	and deliver water per the EPA/CDPHE safe water drinking act.	2,472
7473- Meals	Expense for meals while on city business and seminars.	1,030
	Buget will cover air fair for out of state travel to limited	
7474- Air Travel	conferences	2,575
7475- Mileage	Reimbursement to employees for the use of their personal vehicle for official city business at a designated rate per mile.	515
	Sign up fee for seminars, workshops, and conferences. Registration fees for EPA/CDPHE approved courses/schools/conferences and internet training necessary to achieve/maintain, State/Federal certifacations in Storage and	
7478- Registration	distribution of safe, quaility drinking water.	11,815
7633- Equipment Rentals	Heavy construction equipment, compactors, skidsters, etc.	6,100
7650- Computer/Phone User		
Charges	Utility Locator connection expenses.	1,325

Non-Potable Operations 421-8600-86005

GL Account *	Notes	2024
7111- Regular Employees		314,413
7111 Regular Employees		517,413
7112- Salaries & Wages - Seasonal	2@ \$16.68 /hr for a total of 650 hours.	21,693
7121- Overtime-Regular	26 310.00 / III 101 a total of 030 Hours.	10,468
7211- Disability		2,012
7212- Health		69,180
7213- Dental		2,145
7214- Vision		90
7215- Life		943
7216- Workers Compensation		1,700
7217- Worker		1,700
Compensation/Seasonal	Seasonal Workers Comp	635
7221- General Employees	Scasonal Workers comp	12,577
7227- deficial Employees		12,324
7231- FICA		19,492
7232- FICA Seasonal	Seasonal FICA	1,353
7234- Medicare	Jeusonal Fier	4,560
7235- Medicare Seasonal	Seasonal Medicare	333
7233- Wedicare Seasonal	Batteries, keys, calendars, Kerosene, propane, HH radios, other	333
7314- Office Supplies & Materials	misc items under \$100.00.	1,545
7315- Small Items of Equipment	office chair. portable welder trailer, lawn mower, portable	1,343
\$100 - \$5,000	generator, portable air compressor,	7 210
7316- Computer	generator, portable air compressor,	7,319
Hardware/Software < \$5000		1,065
7317- Meals/Food - Non-Travel	This is a new account for 2022. When our crew works through	1,005
Related	lunch or overtime and we need to furnish a meal occasionally.	515
7318- Medical Supplies		515
7318- Medicai Supplies	Vehicle first aid kits, office first aid kits	212
	Cost for algae control chemicals, copper sulphate used at 39 pumping stations and poudre ponds and the 5 ditch's we	
7221 Madical/Chamical		1 054
7321- Medical/Chemical	maintain. also covers cost incurred for landscaping and pest	1,854
7323- Safety And Personal	light coverally safety gloves first aid bits safety yests withher	3,605
7225 Clathing And Uniforms	light coveralls, safety gloves, first aid kits, safety vests, rubber	F 7C0
7325- Clothing And Uniforms	boots, ear protection, rain gear, sun screen, Winter coveralls.	5,768
7327- Gas And Diesel Fuel	Float Fuel Original Bud-at	200
7328- Fleet Fuel	Fleet Fuel - Original Budget Maintanance supplies for six vehicles, two tractors and two	21,363
	Maintenance supplies for six vehicles, two tractors and two	
	chain saws, 1 chop saw, 2 generators and pumps. 1 hotsy	
7222 Machine Vaki-l- 0	includes: spark plugs, air filters, drive belts, diaphragms, weed	
7333- Machinery, Vehicle &	eater string, mower blades, hydraulic hoses and lubricants and	4.600
Equipment Parts	all vehicle maintenance equipment needs to perform	4,680
	Repairs to pump stations not covered by service contracts such	
7220 Water Carrier Laboration 1	as pumps that we replace or rebuild in house, filters, pressure	
7338- Water, Sewer, Irrigation Line	regulating valves, hoses and chemical feeders. Repairs to	0.000
Repair Parts	sprinkler systems. All necessary materials needed to make	9,360

Non-Potable Operations 421-8600-86005

GL Account *	Notes	2024
	Spraying the exterior of pump stations with a protective	
	concrete sealer and graffiti protectant. also small hand tools,	
	shovels, rakes, pitch forks and janitorial supplies. Non-potable	
7344- Building and Grounds	is now responsible for Parks non-potable assets which doubled	
Maintenance Supplies	the amount of maintenance needed.	8,320
7346- Street & Traffic Repair and	asphalt repair, concrete repair, signs and sign posts. Sand	3,020
Maintenance Supplies	Gravel, Dirt, Small tools under \$100.	1,560
7348- Plant Materials	grass seed, replacement shrubs and trees	520
7349- Tools < \$5000	hand tools for employees	1,352
7411- Postage	Miscellaneous mailings	103
7424- In-House Copying		1,545
7426- Outside Printing		103
7433- Memberships & Dues		515
·	Proportional cost for utility locating request. The utility	
	notification center of Colorado currently charges \$1.61 per	
7435- Other Purchased Services	request. Engineering and survey work needed for projects.	13,390
7441- Electric	Based on incrs & 12mo rolling avg	370,676
7442- Water/Sewer/Stormwater	Based on incrs & 12mo rolling avg	1,258
7444- Natural Gas	Based on incrs & 12mo rolling avg	2,202
7446- Other Utility	Based on incrs & 12mo rolling avg	1,575
7462- Equipment Maintenance		
Charges	Budgeted by Equipment Maintenance:	23,801
	Contract to repair pumps and programmable logic controllers	
7463- Maintenance Agreements	at all 38 pump stations, also to cover asphalt repair costs.	5,594
7466- Facilities Maintenance		2,625
7473- Meals	sending 4 people to syncroflo and Amiad training	515
7478- Registration	Three FTE's to pump and filter training classes.	5,150
7631- Rent	Annual lease on shop and gas detectors used for confined	83,946
		1,056,457

Water Instrumentation and

Controls 421-8600-86006

GL Account *		2024
7111- Regular Employees		911,874
	I&C Techs for standby and emergencies. Budgeted at \$3,000	·
	per employee (7) + 10,116 for on-call time (6,744 X 1.50/hour	
7121- Overtime-Regular	= \$10,116.00)	22,875
7211- Disability		5,632
7212- Health		124,524
7213- Dental		3,861
7214- Vision		162
7215- Life		2,675
7216- Workers Compensation		4,161
7221- General Employees		36,474
7227- 401K		35,745
7231- FICA		56,538
7234- Medicare		13,224
	Funds used for batteries, technology accessories, copy paper	
7314- Office Supplies & Materials	and other office supplies.	2,575
7315- Small Items of Equipment		
\$100 - \$5,000	Desks, office chairs, etc.	2,060
	Increase is needed for additional staff. Since the new staff	
	person is a result of a reclassification rather than the addition	
7316- Computer	of an employee, basic items were not accounted for as they	
Hardware/Software < \$5000	normally would have been.	533
	Safety boots cog logo hats, hard hats 1, safety shirts, light	
	coveralls, safety gloves, safety vest, first aid kit refill, rubber	
	boots, safety glasses, safety sweatshirts, ear protection plugs,	
	ear protection, ear protection muffs, face shield, eye	
	protection goggles, eye protection over the glasses, rain gear,	
	bug spray, sun screen In the past this money was taken from	
7325- Clothing And Uniforms	the treatment plants and reservoirs accounts.	3,478
7328- Fleet Fuel		13,191
7333- Machinery, Vehicle &		
Equipment Parts		1,560
7344- Building and Grounds		
Maintenance Supplies		12,948
7432- Publications, Subscriptions,		
and Dues	Certification updates	206
7435- Other Purchased Services		1,030
	Fees for repairs outside the city of Greeley i.e Test equipment,	
	instruments. Etc. In the past this money was taken from the	
7461- Machine, Vehicle, Equipment	treatment plants and reservoirs accounts.	3,045

Water Instrumentation and

Controls 421-8600-86006

GL Account *		2024
7462- Equipment Maintenance		
Charges		1,400
7463- Maintenance Agreements	Firewall and licensing expenses	124,076
7466- Facilities Maintenance		525
	Registration fees for AWWA. Also for advanced electrical & instrumentation training. Required to attend class on new equipment installed at the treatment plants.	3,436
7650- Computer/Phone User	equipment motalists at the desired plants.	3, 130
Charges (4484)	Instrumentation & Electrician - Lead Water	575
		1,388,383

Water Resources

Operations 421-8700-87001

GL Account *	Notes	2024
7111- Regular Employees		556,463
		,
7112- Salaries & Wages - Seasonal		34,161
7121- Overtime-Regular		1,748
7211- Disability		3,418
7212- Health		69,180
7213- Dental		2,145
7214- Vision		90
7215- Life		1,624
7216- Workers Compensation		2,165
7217- Worker		544
Compensation/Seasonal	Seasonal Workers Comp	541
7221- General Employees	·	22,258
7227- 401K		21,813
7231- FICA		34,501
7232- FICA Seasonal	Seasonal FICA	4,164
7234- Medicare		8,068
7235- Medicare Seasonal	Seasonal Medicare	973
7244 055 6 1: 0 14 1 1		2 620
7314- Office Supplies & Materials	Water quality bottles, batteries, tags, labels, etc	3,620
7315- Small Items of Equipment		6.740
\$100 - \$5,000		6,710
7325- Clothing And Uniforms	2022 by death of the control of the c	1,660
	2022 budget increased to reflect higher actuals in 2020 and the	
	anticipated increased costs associated with more involved	
7445 1	water court cases and legislation efforts (ex. Turnback	465.050
7415- Legal	provision) and other issues.	465,050
7418- Advertising		1,030
7432- Publications, Subscriptions,		
and Dues	Publications associated with water resources	9,270
	Projects related to protecting existing water supplies and	
	evaluating new water supplies, flow studies, environmental	
	impact statement analysis, and water quality ditch sampling.	
	2022 budget increased due to an expected increase in	
	professional services needs related to more involved water	000
7435- Other Purchased Services	court cases and assistance for our IWRP.	383,775
7472- Hotel and Motel		3,220
7473- Meals		1,030
7474- Air Travel		1,160
7475- Mileage		4,250
7477- Other Travel		4,635

Water Resources

Operations 421-8700-87001

GL Account *	Notes	2024
	Training includes irrigationist symposium, CLE water	
	administration, CSU conference irrigation water requirement,	
	AWRA symposium, Water Congress annual meeting, South	
	Platte Forum, water issues forum, use 2015 budget for 2017	
7478- Registration	and 2018	15,600
7697- Assessment Fees	Irrigation Company, Colorado Big Thompson Project, Windy	5,474,000
7811- Grants-Outside Agencies	Regional collaboration, sponsorships	9,026
		7,147,348

Bellvue Filter Plant 421-8700-87002

Delivue Filter Flant	421-0700-07002	
GL Account *	Notes	2024
7111- Regular Employees		1,241,072
7112- Salaries & Wages - Seasonal		13,629
7114- Salaries & Wages - Part-Time		28,501
	Increase is due to changes in the HR policy as well as seasonal	
	constraints of 6 months. Also, 1 additional employee was	
7121- Overtime-Regular	added to the Bellvue team in 2021.	12,003
7211- Disability		7,341
7212- Health		199,238
7213- Dental		6,178
7214- Vision		259
7215- Life		3,457
7216- Workers Compensation		6,272
7217- Worker		
Compensation/Seasonal	Seasonal Workers Comp	1,694
7221- General Employees		46,817
7227- 401K		45,875
7231- FICA		72,571
7232- FICA Seasonal	Seasonal FICA	3,609
7234- Medicare		16,977
7235- Medicare Seasonal	Seasonal Medicare	886
	Copier paper, legal pads, pens/pencils/markers, dry erase	
7314- Office Supplies & Materials	supplies, batteries, flash drives, gift certificates, etc.	7,500
7315- Small Items of Equipment	TB1 lockers, Chem building maintenance office replacment of	
\$100 - \$5,000	counter and cabinets. New fixtures in baths in chem building.	32,777
7316- Computer		
Hardware/Software < \$5000		10,650
7317- Meals/Food - Non-Travel		
Related	Staff team building/safety/training meals.	1,030
7318- Medical Supplies	First aid supplies and other medical supplies.	1,545
	Chemicals used in water treatment such as alum, polymer	,
7321- Medical/Chemical	feeds, fluoride, CL2 NAOH.	1,027,000
7323- Safety And Personal		, , , , , , , , , , , ,
Protection	Budgeting for 11 team members, \$500 per employee.	6,000
7325- Clothing And Uniforms	Clothing and Uniforms for Employees	6,592
7327- Gas And Diesel Fuel	0 : : : : : : : : : : : : : : : : : : :	15,750
7328- Fleet Fuel	Budgeted by Fleet	5,120
7333- Machinery, Vehicle &	5 mm 1, 120	5,123
Equipment Parts	Parts for fleet vehicles and equipment.	41,600
7338- Water, Sewer, Irrigation Line		12,000
Repair Parts	Septic supplies, hoses and backflow parts.	3,120
	Topico supplies, hoses and backnow parts.	3,120

Bellvue Filter Plant 421-8700-87002

Delivue Filter Flailt	421-6700-67002	
GL Account *	Notes	2024
7344- Building and Grounds	Rebuild cop kits in pulsafeeders and Vogelsang rebuilds, TB1 air	
Maintenance Supplies	filters for HVAC.	46,800
7346- Street & Traffic Repair and	Need to chip seal and/or crack-seal the road into the plant (1/2	
Maintenance Supplies	mile). Work to be scheduled for 2021 and 2022.	6,864
7348- Plant Materials	Fertilizer, grass seed, top soil	520
7349- Tools < \$5000	Miscellaneous tool purchases	1,040
7411- Postage		515
7418- Advertising	2 ads in AWWA (\$500/each)	1,030
7424- In-House Copying		412
7432- Publications, Subscriptions,		
and Dues	Technical manuals ands publications for plant operators	1,030
7433- Memberships & Dues	50% of AWWA PFSW	515
7435- Other Purchased Services	Sludge hauling/testing. Outside Lab services.	185,400
	\$500/employee training and certifications for 8 employees;	
7436- Certifications	\$1500 for five new employees	5,665
7441- Electric		202,904
7444- Natural Gas		33,034
7446- Other Utility	Trash and recycling services	2,625
7461 Machine Vehicle Equipment	Sulair compressor maintenance, Cummins rocky moutain genset service, Timberline electric HMI program SCADA	21 000
7461- Machine, Vehicle, Equipment	updates. Occasional HVAC service needed.	21,000
7462- Equipment Maintenance	Budgeted by Equipment Maintenance	10.040
Charges	Budgeted by Equipment Maintenance	10,949
7463- Maintenance Agreements	Increased security equipment costs and upgrade to Chlorine storage room needed. Need to replace 2 analog security cameras and alarm system for all campus and new TB1. We did not add hatch alarms to remote hatches in 2020. Need carryover into 2022. Fire inspection services annual inspection.	15,975
	Road base for continued facility access (raw ponds), 46-53 building needs 2 windows replaced. The 58-64 building needs 1 window replaced. We have been billing weed spray to 7321, is roughly \$1000 a year. Power vents on 60 BV control valve	
7466- Facilities Maintenance	vault, Finished water meter vault, Pond Inlet structure	3,675
7472- Hotel and Motel	The state of the s	1,000
7473- Meals		515
7475- Mileage		1,030

Bellvue Filter Plant 421-8700-87002

GL Account *	Notes	2024
7477- Other Travel		103
7478- Registration	\$1000/employee training for 8 employees	5,665
7631- Rent	Tent, chair and table rentals for summer tours	3,000
7633- Equipment Rentals		500
		3,416,829

High Moutain Reservoirs 421-8700-87003

nigh ivioutain Reservoirs	421-8700-87003	
GL Account *	Notes	2024
7111- Regular Employees		290,479
	Budget reflects funding for one seasonal at \$18/hr for 6	
	months. Generally the HMR seasonal is not employed for a full	
	6 months, but this budget figure reflects an ideal staffing	
7112- Salaries & Wages - Seasonal	scenario.	19,306
	Increasing the overtime budget in 2022 in response to shifting	
	HR policies; we're anticipating less utilization of comp-time and	
7121- Overtime-Regular	more utilization of overtime going forward.	7,921
7211- Disability		1,822
7212- Health		49,810
7213- Dental		1,544
7214- Vision		67
7215- Life		862
7216- Workers Compensation		2,110
7221- General Employees		11,621
7227- 401K		11,386
7231- FICA		18,009
7232- FICA Seasonal	Seasonal FICA	1,172
7234- Medicare		4,210
7235- Medicare Seasonal	Seasonal Medicare	274
	Miscellaneous office supplies like printer ink, paper, pens,	
7314- Office Supplies & Materials	pencils etc.	5,150
7315- Small Items of Equipment	Miscellaneous small items of equipment/furniture like desk	
\$100 - \$5,000	chairs, technology replacements, etc.	10,300
7317- Meals/Food - Non-Travel		
Related	Food purchased for business meetings with ag representatives.	927
7318- Medical Supplies	First-aid related expenses.	515
7321- Medical/Chemical	Miscellaneous chemical purchases, for example: herbicide.	309
7323- Safety And Personal	Chainsaw safety gear, snowmobile helmets, life jackets all are	
Protection	required in the environment the HMR personnel work in.	2,987
7325- Clothing And Uniforms	Boots, pants, etc.	1,288
7327- Gas And Diesel Fuel	Fuel for dozers, loader, chainsaws, snowmobiles, 4x4s	7,350
7328- Fleet Fuel		17,401
7333- Machinery, Vehicle &	Supplies for repair and maintenance of 4 pickups and 1 tandem	
Equipment Parts	dump truck.	10,400
7344- Building and Grounds	Miscellaneous building supplies such as brooms, painting	
Maintenance Supplies	supplies, plumping, electrical, etc.	5,200
	Supplies for repair and maintenance of non-fleet equipment	
	including rubber tired loader, track dozer, snowmobiles,	
7346- Street & Traffic Repair and	trailers, 4 wheelers, chainsaws, and other equipment and	
Maintenance Supplies	supplies.	20,800

High Moutain Reservoirs 421-8700-87003

GL Account *	Notes	2024
7349- Tools < \$5000	Tool replacements	1,040
7411- Postage	Postage for miscellaneous mailings	103
	Budget for miscellaneous outside printing services such as	
7426- Outside Printing	signs, posters, etc.	309
7433- Memberships & Dues	Membership dues for CO lakes and reservoir organization	309
	Miscellaneous technical services including fire mitigation work	
7435- Other Purchased Services	on high mountain reservoirs.	36,050
	Electrical costs for city owned cabins, houses, and farms.	
	Budgeted by finance "based on incrs & 12mo rolling avg" NOTE:	
	The water resources 2021 electric budget set by Finance of	
	\$28,509 has been transferred to this budget since it is a farm	
7441- Electric	expense	35,942
7442- Water/Sewer/Stormwater	Based on incrs & 12mo rolling avg	743
7446- Other Utility	Miscellaneous septic services, trash hauling, etc.	2,100
7461- Machine, Vehicle, Equipment		7,350
7462- Equipment Maintenance		
Charges	Budgeted by Equipment Maintenance: vehicles and equipment	14,692
	HMR division maintains 6 high mountain reservoirs, 3 cabins	
	and utilizes all supplies related to the care and maintenance of	
	said structures. *Budgeted conservatively due to	
	location/inaccessibility of high mountain reservoirs buildings	
7466- Facilities Maintenance	and associated high cost of repairs when needed.	13,965
7473- Meals		206
7478- Registration	Staff training	1,030
	Favings on the state of the sta	
7622 Favrings and Boundale	Equipment rental of backhoes, trenches, and other equipment	11 000
7633- Equipment Rentals	to open and maintain Greeley's water rights.	11,000
		628,059

Water Conservation 421-8700-87004

Cl Assessed *	Notes	2024
GL Account *	Notes	2024
7111- Regular Employees		424,571
	2 Seasonal at \$16-\$18/hr x 1040 hours; and 1 intern at \$13-\$16-	
7112- Salaries & Wages - Seasonal	hr for 100 hours.	41,975
7114- Salaries & Wages - Part-Time		22,050
7211- Disability		2,650
7211- Disability 7212- Health		69,180
7213- Dental		2,145
7213- Defital 7214- Vision		90
7214- VISION 7215- Life		1,254
7216- Workers Compensation		1,131
7221- General Employees		
7227- 401K		16,981
7231- FICA		16,645
7234- Medicare		26,326
7234- Medicare	Office complies (betteries maner envelopes top mainter	6,156
	Office supplies (batteries, paper, envelopes, tap, printer	
	cartridges flash drives, power strips), design supplies (\$5K).	
	Giveaways/merch (prizes, water bottles, pens, bags, gloves,	
7314- Office Supplies & Materials	magnets, cups, etc \$15K)	3,000
7315- Small Items of Equipment		
\$100 - \$5,000	Office furniture for new employee	1,030
7316- Computer		
Hardware/Software < \$5000		4,109
7317- Meals/Food - Non-Travel		
Related	In-house water conservation committee meetings	515
7318- Medical Supplies	First aid kits for vehicles and garden	100
	Garden treatments, weed spray, feterilizers, bug spray, pest	
7321- Medical/Chemical	strips,etc.	500
7323- Safety And Personal		
Protection	PPE for 2 seasonal, 1 part time and 4 full time	1,030
7325- Clothing And Uniforms	Water conservation shirts to ID employees	1,333
7327- Gas And Diesel Fuel	Tours	150
7328- Fleet Fuel	Fleet Fuel - Original Budget	1,326
7333- Machinery, Vehicle &		
Equipment Parts	Snowbrushes, windshield wiper fluid, wipers, etc.	104
7338- Water, Sewer, Irrigation Line	Annual controllers, nozzles, dips systesms, etc. (\$20k).	
Repair Parts	Controllers for those who retrofit their irrigation.	10,400
7344- Building and Grounds	Supplies for the three sheds like paint, brushes, rollers, trash	
Maintenance Supplies	bags, rags, paper towel, gutters, cleaning supplies, repairs, etc.	260
7346- Street & Traffic Repair and	Small tool maintenance (oil changes, blade sharping, etc.) and	
Maintenance Supplies	tools repairs	250

Water Conservation 421-8700-87004

vater conservation	1	
GL Account *	Notes	2024
	Ongoing expenses for annual beds, plant replacements	
	(\$7,500). One time project- Centennial Park Improvements	
	(buffalo grass, natives-\$8,500). Two new gardens will be	
7348- Plant Materials	created including a crevice and rain garden (\$4,000)	15,600
7349- Tools < \$5000	Garden tools-trimmers, clippers, small hand machine tools	520
	Welcome packets for new customers with Water conservation	
7411- Postage	information. Letters to customers.	2,575
7412- Mailing/Delivery Services -		_,
External	Postcard and letter stamps, mailing packages,	1,545
		,
	Events (Home & Garden Show, Green Pro, Forms, Symposium,	
	conferences - \$12k), Radio (\$24K), Print (Newspaper, magazine,	
7418- Advertising	newsletters, etc\$10K), social (\$500)	35,000
	Signs (lawn signs like life after lawn, garden plant ID, etc	00,000
	\$2.5k), bill inserts (drought, water restrictions, etc. \$5K),	
	brochures, postcards, flyers (WC menu, water buget, lecture	
7426- Outside Printing	series, etc. \$2.5K), business cards, etc.	10,815
7432- Publications, Subscriptions,	Series, etc. 92.3 kg, business curus, etc.	10,013
and Dues	CoCoRaHS (\$2k), Western Water, Colorado Water Wise (\$2K)	4,120
and bues	Coconaris (\$2k), Western Water, Colorado Water Wise (\$2k)	4,120
	AWWA, WeCO (\$3k), ColoradoWater Wise (\$2k), Irrigation	
	Association, associated landscape Colorado, Colorado Nursery	
7433- Memberships & Dues	and Greenhouse Association (\$1K) etc.	3,090
7433- Weithberships & Dues	Resource Central Garden in the Box program costs (annually	3,090
	\$12K); Irrigation garden expansion (\$10K one-time), Water	
7435- Other Purchased Services		FO 000
7435- Other Purchased Services	Conservation Plan update (\$5K one-time).	50,000
7464 Machine Vehicle Faviance	Tool and small equipment repairs for blowers, snow blower,	F2F
7461- Machine, Vehicle, Equipment	lawn mower, etc. Car washes, flat tire repairs	525
7462- Equipment Maintenance	D. do do de Estado de Adriado do dos	F 200
Charges	Budgeted by Equipment Maintenance	5,388
	Drop Box (\$150), Abobe Pro (\$250 per person X 3= \$750);	
	Irrigation App (\$1,000). WaterSmart customer portal is paid	
7463- Maintenance Agreements	from IT beginning in 2022.	2,130
	Annual garden clean-up by 3rd party contractors (\$2,000);	
7466- Facilities Maintenance	Irrigation Repairs (\$1K)	525
7472- Hotel and Motel	Eight hotel nights for each employee (\$100*8*4)	3,296
	Over night travel (\$70/day x 4 people x 9 days) + Day trips	
7473- Meals	(\$35/day x 4 people x 10 days)	5,120
7474- Air Travel	1 flight for 4 people (\$500 x 4)	2,060
7475- Mileage	Personal vehicle	4,120

Water Conservation 421-8700-87004

GL Account *	Notes	2024
	Parking, Taxi, bus etc (\$1k) and Bus rental for tour (teachers-	
7477- Other Travel	\$2K)	3,090
	Poudre River Form, Webinars, AWWA, RMSAWWA, Colorado	
7478- Registration	WaterWise, CNGA, ProGreen Expo,	9,755
7631- Rent	Three storage units only.	2,400
	Seasonal handwashing station and porta potty for the garden	
7633- Equipment Rentals	(\$250/month for 7 months)	1,750
7650- Computer/Phone User		
Charges (4484)		1,150
	Commerical fixtures (\$20K), toilets (\$10K), irrigation	
	(controllers, pressure reducing valves, nozzles \$20k) Water	
	conservation specialist II position will focus on commercial,	
	industrial and institutional audits. Increase outreach and	
7693- Rebates	rebates needs.	75,000
	Incentives for more xeric demo gardens in public places; public	
	water conservation retrofits (10K); host a front yard xeriscape	
	makeover contest (\$8K); align water conservation techniques	
7811- Grants-Outside Agencies	with City projects.	17,500
		912,335

Boyd Lake Filter Plant 421-8700-87005

GL Account *	Notes	2024
7111- Regular Employees		695,771
7112- Salaries & Wages - Seasonal		70,105
	Single coverage on shifts when operating 24/7, need staff to	
	cover for vacations and sickness. 6 operators 2 weeks vacation	
7121- Overtime-Regular	average \$45 per hour = \$21600	24,439
7211- Disability		4,343
7212- Health		110,688
7213- Dental		3,432
7214- Vision		144
7215- Life		2,049
7216- Workers Compensation		3,754
7217- Worker		
Compensation/Seasonal	Seasonal Workers Comp	1,791
7221- General Employees		27,830
7227- 401K		27,269
7231- FICA		43,141
7232- FICA Seasonal	Seasonal FICA	3,817
7234- Medicare		10,091
7235- Medicare Seasonal	Seasonal Medicare	937
	Purchasing coffee and supplies at plant, increase of	
	maintenance items and grease, cleaning supplies and other	
7314- Office Supplies & Materials	related items.	9,013
	Replacement of ground maintenance equipment, sump pumps,	
7315- Small Items of Equipment	power tools, shop equipment and tools. Power equipment for	
\$100 - \$5,000	yard maintenance and a boat motor 25hp.	8,755
7316- Computer	CPU hardware. Equipment for City works implementation(2	
Hardware/Software < \$5000	tablets and 2 laptops)	5,325
7317- Meals/Food - Non-Travel		
Related	Working meetings , In-house training	1,030
7321- Medical/Chemical	Water Treatment chemicals	1,120,059
	Safety training and equipment, Steel toe boots, chemical suits	
7323- Safety And Personal	and other. New fall protection and Air quality monitoring	
Protection	equipment parts and calibrations (Safety Training classes)	10,867
	\$500/employee/year/ = pants, shirts, boots, gloves, hat, light	
7325- Clothing And Uniforms	jacket. Winter coat as needed.) For 11 staff members	6,180
7327- Gas And Diesel Fuel	\$2500 for Fuel for loader/tractor and dewatering system	2,625
7328- Fleet Fuel	Budgeted by Fleet	4,439

Boyd Lake Filter Plant 421-8700-87005

BOYU Lake Filler Flailt	421-6700-67003	
GL Account *	Notes	2024
	Machinery, vehicles and equipment parts (includes bearings	
	and other repair parts for chemical feeders and instruments.	
7333- Machinery, Vehicle &	small repair parts for city vehicle maintenance not performed	
Equipment Parts	in Greeley.) Adjusted to reflect actual expenses and needs.	8,840
7338- Water, Sewer, Irrigation Line		
Repair Parts	Need to replace part of the irrigation system.	1,040
	General maintenance supplies includes pipe fittings, electrical	
	parts, cleaners, paints, and other supplies used in maintaining	
	the buildings and grounds. Small increase to catch up from	
7344- Building and Grounds	backlog of needed supplies. Adjusted to reflect actual expenses	
Maintenance Supplies	and needs.	15,600
7348- Plant Materials		520
7349- Tools < \$5000	\$2500 for needed tools / power and pneumatic tools	2,600
7362- Trackable Equipment For		
Replacement < \$5000	\$5000 for replacement pumps / field equipment	5,200
7411- Postage		515
7412- Mailing/Delivery Services -		
External		1,030
7418- Advertising	Job advertisements	515
7424- In-House Copying	Includes Boyd copier rental	515
7432- Publications, Subscriptions,		
and Dues	Water treatment books and study/training material	515
	\$1500 for AWWA Partnership and AWWA Memberships for	
7433- Memberships & Dues	staff	1,545
	Water Treatment Residuals removal cost and testing of the	
	residuals due to new regulations by the CDPHE. Also testing for	
7435- Other Purchased Services	water quality needs T&O.	132,355
7441- Electric	Budgeted by Finance "based on incrs & 12mo rolling avg"	292,191
	Sewer service to the City of Loveland 3% increase (Added	
	\$10000.00 to purchase water if needed)Budgeted by Finance	
7442- Water/Sewer/Stormwater	"based on incrs & 12mo rolling avg"	4,252
7446- Other Utility	trash service increase in price	2,100
	This account is used for pump, motor and valve rebuilding and	
	other major repairs to plant machinery performed by outside	
7461- Machine, Vehicle, Equipment	vendors.	3,675
7462- Equipment Maintenance		
Charges	Budgeted by Equipment Maintenance	11,990

Boyd Lake Filter Plant 421-8700-87005

GL Account *	Notes	2024
	\$7500 for cleaning supplies / yard / plant maintenance	
7466- Facilities Maintenance	\$1000 for replacing window blinds at the facility.	8,925
	Approximately 14 days of per diem. More meetings planned for	
7473- Meals	plant and attendees. Moved \$600 from 7478 for conference.	696
	Staff to attend trainings . Moved \$500 from 7478 for	
7475- Mileage	RMSAWWA conference.	824
7478- Registration	3 persons to the 5 day "Boulder" operator's training @ \$500.00 each; 8 people @ \$700.00 each to attend short courses and seminars for updating skills and attaining CEU's needed for renewal of their operator certificates. send one person to the RMSAWWA annual conference. \$2000. Moved \$1700 to other accounts for conference(\$600 to 7472 lodging)(\$600 to 7473 food)& (\$500 to 7475 travel).	4,120
	Increase to reflect rental of tents, chairs, tables for summer	
7631- Rent	tours.	3,000
		2,700,457

Water Quality Program 421-8700-87006

GL Account *	Notes	2024
7111- Regular Employees		234,391
7112- Salaries & Wages - Seasonal		20,344
7211- Disability		1,473
7212- Health		41,508
7213- Dental		1,287
7214- Vision		54
7215- Life		696
7216- Workers Compensation		1,282
7221- General Employees		9,375
7227- 401K		9,188
7231- FICA		14,533
7232- FICA Seasonal	Seasonal FICA	1,248
7234- Medicare		3,398
7235- Medicare Seasonal	Seasonal Medicare	292
	Miscellaneous supplies such as sampling bottles, garbage bags	
7314- Office Supplies & Materials	for spills, ice bags, bac-T bottles.	5,150
7315- Small Items of Equipment		
\$100 - \$5,000	As needed equpiment	1,030
7317- Meals/Food - Non-Travel		
Related	Food purchases for meetings, lunches with collegues, trainings	515
7318- Medical Supplies	Refilling first Aid Kit	103
	Purchasing of reagents/kits for colorimeter, calibration	
7321- Medical/Chemical	standards for field probe.	3,030
7323- Safety And Personal	Replacement of steel toe boots, reflective vest, hard hat, safety	
Protection	glasses, gloves (leather and nitrile)	927
	Replacement of WQRC sampling gear (Muck Boots, Waders,	
	Raincoat, backpack, warm jackets, warm pants, sampling	
7325- Clothing And Uniforms	gloves,) (\$800 per FTE plus \$400 per seasonal).	2,060
7328- Fleet Fuel (4482)		1,000
7349- Tools < \$5000	miscellaneous tool as needed by staff	1,040
7411- Postage	For certified letters to state, EPA, customers	21
7412- Mailing/Delivery Services -	Fed Ex samples to lab in coolers, mailing Annual Reports to	
External	CDPHE	3,030
	Provide outside assistance on regulatory matters when in-	
7415- Legal	house counsel is needed and unavailable	42,000
7418- Advertising	Advertising for new employees. Legal ads & notices.	2,506
	Chain of custody forms, sample bottle labels. Tier I, II, III	
	printing. Budgeting for 2 bill stuffers for violations at 2,700	
7426- Outside Printing	each. Possible printing of the Annual CCR.	13,184
7432- Publications, Subscriptions,		
and Dues	Purchase of technical manuals	1,030
	ABCEP, Envirocert, Cert Arborist, WWTP Level D, C & D level 1.	
7433- Memberships & Dues	misc.	3,090

Water Quality Program 421-8700-87006

GL Account *	Notes	2024
	Professional services costs for WQ related to sampling and	
	laboratory services, NISP and Upper Poudre activities, etc. See	
7435- Other Purchased Services	separate 7435 tracking spreadsheet for full details.	548,210
7436- Certifications	\$1400 for certification TUs for 2.0 FTE	1,442
7462- Equipment Maintenance		
Charges		1,000
	Water Quality Forum Annual Conference, RMSAWWA Annual	
	Conference and other regulatory conference such as RCA or	
7472- Hotel and Motel	clean water act education. Approx. \$1,400 per full FTE)	2,884
	per diem meal based on 10 days - use \$65/day in 2021 and	,
7473- Meals	\$70/day in 2022	721
	Roundtrip airfare to conferences (2 out of state trips - 500 per	
7474- Air Travel	trip)	1,030
	Mileage (personal vehicle) to attend various conferences and	
	forums on river health, water quality, adaptive practices, OSHA,	
	and field sampling quality control and techniques. 56 cents per	
7475- Mileage	mile.	515
	Parking fees and shuttle fees associated with conferences,	
7477- Other Travel	uber, car rental	1,030
	Registration for conferences, training events, classes for CEU's	
7478- Registration	and operator certifications.	2,472
7633- Equipment Rentals	PID, 4-gas meter.	100
	Funds to support relevant research efforts that are of benefit	
7811- Grants-Outside Agencies	to regulatory compliance and watershed protection programs.	1,000
		979,189

Water Resources Planning 421-8700-87007

GL Account *	Notes	2024
7111- Regular Employees		319,285
7211- Disability		1,966
7212- Health		41,508
7213- Dental		1,284
7214- Vision		54
7215- Life		933
7216- Workers Compensation		1,245
7221- General Employees		12,772
7227- 401K		12,516
7231- FICA		19,798
7234- Medicare		4,628
7314- Office Supplies & Materials		500
7315- Small Items of Equipment		
\$100 - \$5,000		500
7325- Clothing And Uniforms		400
	\$50K for CPRW and \$20K for BTWC for contractually obligated	
7433- Memberships & Dues	reserved seats at fundraisers.	70,000
7472- Hotel and Motel		900
7474- Air Travel		900
7475- Mileage		900
7478- Registration		5,000
		495,089



Fund 411 Sewer Operating and Maintenance

	% of Total 2024	\$ 2023	\$ 2024		
	Budget	Budget	Budget	% Change	
					adjustment of personnel assignmnets from
Engineering	8%	413,746	637,433	54%	other units.
Sewer Administration	4%	384,230	337,806	-12%	
Computer/Phone User Chrgs	3%	202,269	213,542	6%	
Liability Insurance	4%	314,124	314,124	0%	
General Management:	18%	1,314,369	1,502,905	14%	
WTRF Administration	7%	512,339	550,171	7%	
Laboratory	5%	419,996	437,365	4%	
Maintenance	11%	922,113	933,173	1%	
Operations	32%	2,620,050	2,656,983	1%	
Industrial Pretreatment	5%	394,820	420,913	7%	
Wastewater Treatment:	60%	4,869,318	4,998,605	3%	
Sewer Collection	21%	1,648,873	1,750,617	6%	
Sewer Instruments and Controls	1%	44,739	45,940	3%	
Wastewater Collection:	22%	1,693,612	1,796,557	6%	
Total Sewer Operating:		7,877,299	8,298,067	5%	

Sewer Administration 411-8010-10000

GL Account *	Notes	2024
7111- Regular Employees		127,767
7211- Disability		772
7212- Health		11,068
7213- Dental		344
7214- Vision		15
7215- Life		368
7216- Workers Compensation		38
7221- General Employees		5,111
7227- 401K		5,008
7231- FICA		7,921
7234- Medicare		1,852
7314- Office Supplies & Materials		103
7411- Postage		103
	Professional services related to rate model development &	
7432- Publications, Subscriptions,	Financial External Audit (annual, currently Anton Collins	
and Dues	Mitchell LLP)	515
7435- Other Purchased Services		25,515
7445- Telephone		50,276
7478- Registration	AWWA compliance refresher courses	1,030
7655- Bank/Investment Charges	Charges from utility billing customer online payments	100,000
		337,806

Sewer Engineering 411-8010-80001

GL Account *	Notes	2024
	Notes -	
7111- Regular Employees		480,889
7211- Disability		2,920
7212- Health		47,042
7213- Dental		1,459
7214- Vision		61
7215- Life		1,392
7216- Workers Compensation		143
7221- General Employees		19,237
7227- 401K		18,848
7231- FICA		29,815
7234- Medicare		6,973
7314- Office Supplies & Materials		103
7315- Small Items of Equipment		
\$100 - \$5,000		515
7317- Meals/Food - Non-Travel		313
Related		515
7323- Safety And Personal Protection	on	90
7325- Clothing And Uniforms		600
7411- Postage		575
7418- Advertising		103
7432- Publications, Subscriptions,	Memberships for NFRWQPA, WEFF UPP and American Society	
and Dues	of Civil Engineers	1,670
and bacs	Memberships in AWWA, WEF, ASCE, and others for three	2,070
7433- Memberships & Dues	engineers.	873
7435- Other Purchased Services	Licensing costs for AutoCAD and InfoSWMM	12,875
7433 Other Furchased Services	Training and professional development for professional	12,073
	engineers. The annual plan is developed in consultation with	
7472- Hotel and Motel	the engineers and chief engineer.	4 020
7472- Hotel and Motel	Training and professional development for professional	4,030
7472 Manla	engineers. The annual plan is developed in consultation with	2.020
7473- Meals	the engineers and chief engineer.	2,030
	Training and professional development for professional	
	engineers. The annual plan is developed in consultation with	
7474- Air Travel	the engineers and chief engineer.	1,600
	Training and professional development for professional	
	engineers. The annual plan is developed in consultation with	
7475- Mileage	the engineers and chief engineer.	1,015
	Training and professional development for professional	
	engineers. The annual plan is developed in consultation with	
7478- Registration	the engineers and chief engineer.	2,060
		637,433

GL Account *	Notes	2024
7111- Regular Employees	Notes	287,817
7111- Regular Employees		207,017
7112- Salaries & Wages - Seasonal		16,628
7121- Overtime-Regular		5,658
7211- Disability		1,784
7211- Disability 7212- Health		41,508
7213- Dental		1,287
7214- Vision		54
7215- Life		845
7216- Workers Compensation		
7217- Workers Compensation		1,115
	Canadia I Markara Caran	400
Compensation/Seasonal	Seasonal Workers Comp	406
7221- General Employees		11,512
7227- 401K		11,282
7231- FICA	C LEIGA	17,845
7232- FICA Seasonal	Seasonal FICA	866
7234- Medicare	G LAA II	4,172
7235- Medicare Seasonal	Seasonal Medicare	213
	Small batteries, brushes, name tags, rubber stamps, calculators, annual planners and calendars, flash drives, food items for necessary meetings, employee recognition awards. Increased costs also due to an anticipated increase in employee	
7314- Office Supplies & Materials	retirement celebrations.	7,549
7315- Small Items of Equipment	2 office monitors; Two new office chair. Each year, one	1,0 10
\$100 - \$5,000	replacement computer, \$900.	2,575
7316- Computer	2 office monitors; Two new office chair. Each year, one replacement computer, \$900. Boom mic and new speakers for conference space. New accounts for HACH (\$1,900 annually) and BIOWIN (\$2,500 annually) software maintenance	·
Hardware/Software < \$5000	agreements for plant usage and data tracking.	7 / 5 5
7317- Meals/Food - Non-Travel	agreements for plant usage and data tracking.	7,455
Related	Retirement lunches, Appreciation lunches, and Training meals	2 000
7318- Medical Supplies	first aid kits	3,090
7310- Medical Supplies	UV germicide replacement bulbs for offices and meeting	1,030
7221 Madical/Chamical		1 020
7321- Medical/Chemical	rooms; first aid kits.	1,030
7323- Safety And Personal	Poots DDE Cafety glasses	1 020
Protection	Boots, PPE, Safety glasses	1,030
	20 uniformed employees @ \$800 allotment for jeans, shirts,	
	jackets, sweatshirts, coveralls, etc. Increased budget due to	
	under budgeting and higher clothing costs. Amount per	
	employee increased to align with other departments in Water	46.466
7325- Clothing And Uniforms	and Sewer.	16,480

GL Account *	Notes	2024
7328- Fleet Fuel	Budgeted by Fleet	534
7344- Building and Grounds		
Maintenance Supplies	Miscellaneous supplies for admin. staff.	1,040
7349- Tools < \$5000	Tool kits for admin building	520
7411- Postage	For certified letters to state, EPA, customers.	103
7412- Mailing/Delivery Services -		
External	For certified letters to state, EPA, customers.	309
7418- Advertising	Advertising for new employees. Legal ads & notices.	412
7424- In-House Copying	Canon ID #404-a copy machine annual costs.	3,399
	Award nomination packages' printing costs/materials; misc.	
	admin. printing costs. New replacement pamphlets, DVD's,	
	brochures, display boards, etc. for public education & outreach	
7426- Outside Printing	program for each year.	515
7432- Publications, Subscriptions,		
and Dues	Scientific journals, other training materials as needed	1,030
	Four Major memberships currently: NFRWQPA - \$14,500 in 2023 (Expected increase to roughly \$18,000 in 2024), CWWUC - \$1,725 in 2023 (Expected increase, unknown for 2024), CMF - \$4923.83, and NACWA - \$8385 (Possible increase to \$12,000 if service area population increase is put in) Pulling from a number of Accounts to increase (7435, 7472, 7473, 7474). Outcomes from Memberships and dues correlate to high level interactions with other water and wastewater community members. Participation in many of these groups allows us to work together to achieve desired State level outcomes, or to better understand how we can achieve better results as a	
7433- Memberships & Dues	whole.	33,000

WTRF Administration	411-8100-10000	
GL Account *	Notes	2024
	Outside services to assist with employee refresher training	
	requirements for Stormwater/spill prevention, and for	
	troubleshooting emergency situations when in-house City staff	
	is unable to resolve a problem. TMMI annual software	
	maintenance agreement for plant-wide SCADA computer	
	system, Specter Instruments 911 alarm paging system software	
	maintenance; Allen-Bradley (Rexel) software maintenance	
	agreement, HACH WIMS annual software maintenance	
	agreement with one additional license each year. Increase is	
	due to need for Hach software maintenance agreement and	
	additional clients (licenses) for the WIMS database. Tennative	
	Cityworks fees.	
	2021- 2022: Colorado Discharge Permit System (CDPS)	
	anticipated new annual permit fee \$28,000; Colorado	
	Stormwater discharge annual permit fee \$200; state certified	
	truck scale annual fee \$300; Colorado Dept. of Public Health &	
	Environment (CDPHE) air permit annual fee \$750; CDPHE air	
	pollution emission notification update fees for WPCF \$500; UPS	
7435- Other Purchased Services	mail service charges \$100.	41,364
7462- Equipment Maintenance	0 10 10 0 00 1	1=/5 5 1
Charges	Budgeted by Equipment Maintenance	914
3	0 7 1 1	
	Hach WIMS software internally to track, enter, and pull SCADA	
	data for compliance monitoring and reporting. This comes with	
	a yearly service agreement for support (\$1,047), a certain	
	number of clients (5 clients currently at \$248 ea = \$1240), and	
	interface support to assist with data pulling (\$716) that are all	
	associated with our license each year. If this is preferred to be	
	in the Computer Hardware/Software account, then we would	
7463- Maintenance Agreements	like to bump that account up by this amount.	3,200
	Costs for general maintenance of Admin bldg. such as carpet	
7466- Facilities Maintenance	cleaning. Facilities cost estimate provided in 2019.	3,150

WTRF Autilitistration	411-6100-10000	
GL Account *	Notes	2024
	Water Environment Federation Technical Conference (WEFTEC)	
	in Chicago (2021), New Orleans (2022) for Plant Supt. & Process	
	Analyst for 4 days. RMSAWWA/RMWEA Annual Conference	
	(2021) at Loveland, CO. Equipment site visits. National	
	Association of Clean Water Agencies (NACWA) annual	
	conference. Process Innovations Conference. IAAP	
7472- Hotel and Motel	Confereneces	4,150
	GSA per diem x 3 days @ RMWEA/RMSAWWA 2021 Annual	
	Conference at Keystone, CO; WEFTEC 2021 Chicago, IL and	
	WEFTEC 2022 New Orleans, LA respectively. NACWA annual	
7473- Meals	conference	1,560
	Roundtrip airfare to WEFTEC 2021 Chicago, IL, and WEFTEC	
	2022 New Orleans, LA. Misc. air travel for equipment/process	
	site visits per Master Plan recommendations. NACWA annual	
7474- Air Travel	conference.	1,560
	Mileage to attend RMWEA/RMSAWWA Annual Conferences	
	and bio solids conferences. Travel to and from Denver (for	
	airport parking) for WEFTEC Conferences. Annual Denver	
7475- Mileage	seminars.	515
	WEFTEC New Orleans in 2022. Parking fee (2 vehicles) at DIA	
	when attending both WEFTEC Conferences. Taxi fees at	
	conferences. Parking fees for science fair judges at annual	
7477- Other Travel	Colorado Science & Engineering Fair (CSEF) at CSU.	515
	For Supt. and Process Analyst-Professional Wastewater	
	Operator's (PWO) classes; RMWEA Annual Conference,	
	Loveland, CO; WEFTEC Conference, Chicago, IL; RMWEA	
	Denver, CO Bio solids Conference; Three classes for	
	Admin.Specialist. Professional Wastewater Operator's (PWO)	
	classes; RMWEA Annual Conference, Denver, CO; RMWEA	
	Denver, CO Bio solids Conference; WEFTEC Conference, New	
7478- Registration	Orleans, LA. NACWA annual conference	5,150
7811- Grants-Outside Agencies	oneans, but the trivial main conference	4,000
		550,171

WTRF Operations 411-8100-10010

WTRI Operations	111 0100 10010	
GL Account *	Notes	2024
7111- Regular Employees		670,966
	Occasional overtime pay to help offset comp time accruals.	
	Requesting additional funds due to wage increases and several	
7121- Overtime-Regular	pending employee retirements.	7,201
7211- Disability		4,200
7212- Health		110,688
7213- Dental		3,432
7214- Vision		144
7215- Life		1,978
7216- Workers Compensation		3,224
7221- General Employees		26,838
7227- 401K		26,296
7231- FICA		41,602
7234- Medicare		9,732
		,
	Pens, pencils, binders, folders, etc. for operations. Batteries,	
7314- Office Supplies & Materials	keys, flow chart recorder paper and pens, sludge coretakers,	2,936
	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	,
	Replacement of office furniture past its useful life, upgrades to	
7315- Small Items of Equipment	outdated lab equipment (sample refridgerator, TSS apparatus,	
\$100 - \$5,000	ph probes, colorimeter, etc).	19,210
7316- Computer	one new additional laptop, one replacement computer,	
Hardware/Software < \$5000	software (BlueBeam)	4,793
7317- Meals/Food - Non-Travel	Increase due to more in-house lunch trainings (Lunch and learn)	1,733
Related	and working lunches.	2,060
neidted	Needed for updating and creating new first aid kits and	2,000
7318- Medical Supplies	supplies.	515
7316 Wedical Supplies	заррисз.	313
	Polymer for dewatering and the new PW Tech volute	
	thickeners. pH buffer, sulfuric acid, reagents, Sampler pump	
	tubing peristaltic, intake tubing, disinfection backup chemicals	
	chlorine, sulfur dioxide, soda ash, caustic soda beads, bio	
	augmentation novozymes bio remove 5805, polymer cleaner,	
	H2S gas measurement tubes, microscope stains, sodium	
	bicarbonate for alkalinity, Ferric chloride. defoamer for dry	
	polymer, lab glassware, pipettes, micronutrients for anammox	
	treatment process. PAX chemical addition for filament control.	
	Hach bench testing process control lab supplies for the DEMON	
	process. Added 5% annually to overall budget to account for	
	polymer increases in cost, shipping, and usage. Adding \$100k,	
	\$150K respectively for increased usage of FeCL3 as	
7321- Medical/Chemical	recommended from Master Plan Design direction.	658,066

WTRF Operations 411-8100-10001

GL Account *	Notes	2024
	safety boots for 8 night operators \$200 ea. Safety glasses 4 per	
7323- Safety And Personal	year at \$250 ea. Hearing portection, nitrile gloves, and PPE	
Protection	related to biohazards	4,120
7325- Clothing And Uniforms	Rubber boots, rain gear	2,575
7328- Fleet Fuel	Budgeted by Fleet	1,256
7333- Machinery, Vehicle &		
Equipment Parts	Parts for operations vehicles and vehicle tires.	1,040
	Cleaning supplies for dewatering and operations annex	
7344- Building and Grounds	buildings. COVID 19 pandemic created higher awareness of the	
Maintenance Supplies	need for regular surface sanitization and required supplies.	2,600
	Will fund the purchase/replacement of hand tools for the	2,000
7349- Tools < \$5000	division.	1,040
7343 10013 1 3000	New employee job advertisements. Expected to increase with	1,040
7418- Advertising	retirements pending.	1 020
7424- In-House Copying		1,030 180
7424- III-House Copyllig	In-house copying	100
742C Outside Brietine	Business cards for staff. Signs for plant sponsored RMWEA	545
7426- Outside Printing	Greeley seminar.	515
7432- Publications, Subscriptions,		
and Dues	Reference books for operations,	1,545
	Eight memberships for the WEF and Rocky Mt Water EA at	
7433- Memberships & Dues	\$110 ea.	1,030
	Microscopic evaluations by Dr. Michael Richard 4x/year.	
	Increases from higher sludge volumes and resulting hauling	
7435- Other Purchased Services	costs.	259,170
7441- Electric	Xcel electricity and solar purchase agreement expenses.	684,552
7444- Natural Gas	Natural gas usage to run process at WTRF	83,445
	Wastewater sampler service, operations lab balance service,	
	truck scale repair, alarm pager/city radio repair, annual	
	microscope service. 2020 increased radio availability and	
7461- Machine, Vehicle, Equipment	resulting financial requirements for accessories and batteries.	525
7462- Equipment Maintenance		
Charges	Budgeted by Equipment Maintenance	1,221
0		_,
	Leadville plant operator school lodging. For Operations	
	Supervisor, WEFTEC Chicago , WEFTEC New Orleans. Regional	
	JAC. Requesting additional funds for anticipated Master Plan	
7472- Hotel and Motel	recommended equipment site visits in both 2021 and 2022.	/ COE
1412 Hotel and Motel	recommended equipment site visits in both 2021 and 2022.	4,635

WTRF Operations 411-8100-10001

wirk Operations	411-8100-10001	
GL Account *	Notes	2024
	2021 & 2022: Leadville operator school, Denver area activated	
	sludge troubleshooting 3 days, Denver area biological nutrient	
	removal, RMWEA/RMSAWWA annual conference (Keystone,	
	CO). 2020RMWEA/RMSAWWA annual conference (Loveland,	
	CO). For Operations, WEFTEC Chicago, IL & New Orleans, LA	
	respectively. Increase is due to sending more staff members to	
7473- Meals	the Joint Annual Conference.	1,545
	For Operations Supervisor, roundtrip airfare to WEFTEC 2021	
	Chicago, IL, and WEFTEC 2022 New Orleans, LA. For 2021 &	
	2022, 2-3 anticipated equipment site visits per	
	recommendations from Master Plan. Increase is due to	
7474- Air Travel	expected additional air travel requirements.	2,060
	·	
	Roundtrip mileage @ \$0.55/mile. In 2021 & 2022, Leadville	
	operator school 234 miles, activated sludge troubleshooting	
	Denver area 130 miles; biological nutrient removal Denver area	
	130 miles-RMWEA/RMSAWWA annual conference Loveland,	
	CO (2021-2022). Additional funding of seminar and site visits is	
	requested. Budget fluctuates depending on conference venues	
7475- Mileage	and availability of City vehicles.	1,028
	Airport parking fees. Car rental for equipment site visits.	,
7477- Other Travel	Shuttles and taxis when attending WEFTEC.	309
	2022: Rocky Mtn. Water Environment Association (RMWEA)	
	operator training-Feb, Denver, March-Golden, May-Denver	
	Metro, June-activated sludge troubleshooting, Denver area,	
	June, PWO seminar, Greeley, JulyLeadville conference,	
	RMWEA/RMSAWWA annual conference (Loveland, CO),	
	September, WEFTEC (New Orleans) for Operations Supervisor,	
	October-Estes Park, Nov-annual bio solids conference in (Ft.	
	Collins), 2. Both years, reimbursement for state operator	
	certification exam. Increased budgets for new employees	
	resulting from several expected retirements. Increased training	
7478- Registration	to improve knowledge and operational efficiency.	4,681
7633- Equipment Rentals	Gas Detector Rental Agreement.	3,000
		2,656,983

wire intenance	411-8100-10020	
GL Account *	Notes	2024
7111- Regular Employees		347,101
	Budget is to help offset employee comp time accruals and	
	upcoming maintenance mechanic retirements. Anticipated	
	increase in standby/OT due to increased distribution of	
7121- Overtime-Regular	responsibilities.	9,052
7211- Disability		2,204
7212- Health		69,180
7213- Dental		2,145
7214- Vision		90
7215- Life		1,035
7216- Workers Compensation		1,666
7221- General Employees		13,884
7227- 401K		13,607
7231- FICA		21,520
7234- Medicare		5,033
7314- Office Supplies & Materials	Office supplies for maintenance staff.	6,489
	Replace flow/level meters – 6 ea/yr., \$1,400. Pressure	
7315- Small Items of Equipment	Transmitters. Poly Pumps. Chem Pumps. Solenoids for seal	
\$100 - \$5,000	water, Chem systems. & TV monitor 2022.	32,960
7317- Meals/Food - Non-Travel		
Related	Appreciation lunches	2,060
7318- Medical Supplies	First Aid kits	515
	Pendulum concentrate ground kill. Roundup weed kill 5 gal.	
	Insecticide. Odor chemical Struvite (ammonium magnesium	
	phosphate) control chemical. Cleaning gas (HCl) for aeration	
	basin diffusers(includes hazardous shipping). Lawn fertilizer.	
	Media for biogas scrubber every year. Glycol for digester heat	
7321- Medical/Chemical	loop.	34,950
7323- Safety And Personal	Boots, safety glasses, hearing protection, hard hats, fall	,
Protection	protection,H2S, Arc flash	9,800
7325- Clothing And Uniforms	Rubber boots/rain gear. Work gloves/25 pairs;	3,044
7328- Fleet Fuel	Budgeted by Fleet	6,866
7333- Machinery, Vehicle &	,	,
Equipment Parts		5,200
7338- Water, Sewer, Irrigation Line	Sprinkler heads 50 ea. Pipe; miscellaneous pipe. Cleanouts for	-, 70
Repair Parts	project lines.	8,320
7344- Building and Grounds		-,==0
Maintenance Supplies		72,600
er e er er blande	I.	,550

WTRF Maintenance	411-8100-10020	
GL Account *	Notes	2024
	Digester recirc pumps - 6 units. Return activated sludge pumps	
	5 units. Effluent flood pumps 3 units,. Trash pumps 2 units. 12"	
	diesel backup trash pump 1 unit. Centrifuge overhaul one unit	
	each year, centrifuge gearbox. Heat loop pumps 4 units, New	
	centrate treatment system which includes lift station 2 pumps	
	(annually), 5 mixers, 2 blowers, 3 transfer pumps, golf cart/UTV	
	parts, 7 units. Grit turbo pumps 2 units, 1 overhaul/yr. Various	
	heating/cooling valves; boards for 9 HVAC units. Waste gas	
	flare ignitor/starter. New polymer feed systems 3 units.	
	Digester biogas equipment parts. Pump packing. Headworks	
	and digester gas monitors - 4 sensors/yr. Yard hydrant caps,	
	seals, brass fittings. Dewatering sludge pump parts. Biogas	
	booster pumps - 2 units. Band saw & table saw blades and bits.	
	Emergency backup power generators - 3 units. Greases, oils for	
	equipment. Replace electrical wire in aging conduit runs.	
	Dewatering boiler parts, gaskets, yearly cleaning. Catch basin	
	screens for stormwater regulations. Barscreen (rotomat) 3	
	units in deteriorating condition. Hot water pumps Digester. led	
	gases for cutting torches/brazing. Welding rods/supplies.	
	Maint. Tools. Concrete supplies. Metal pipe, fittings, hardware,	
7346- Street & Traffic Repair and	steel plate. Lumber for plant projects. PVC pipe and fittings.	
Maintenance Supplies	Paint, lumber and supplies. Light bulbs/ballasts and fixtures.	72,400
7348- Plant Materials	Mulch, tree and plant replacements, rock for plant grounds	1,040
7349- Tools < \$5000		10,400
7411- Postage	Postage for mailings.	227
7418- Advertising	Advertising for new maintenance personnel.	206
7424- In-House Copying		206
7426- Outside Printing		103
7432- Publications, Subscriptions,	Cofety, handle also and appropriately and appropriately	F4-
and Dues	Safety handbooks and correspondence course materials.	515
7422 Mambarshins 9 Dues	Maintenance/operations correspondance courses. WEF	4 5 4 5
7433- Memberships & Dues	membership yearly dues. Two certifications renewals.	1,545

WTRF Maintenance	411-8100-10020	
GL Account *	Notes	2024
	Programmable logic controller (PLC) programming. Testing and	
	certification of plant breakers, medium voltage switches,	
	power metering modules, six areas. 3 programming efforts	
	related to volute thickeners, CHAP, and TWAS	
	pumps.Underground storage tank testing, annual truck scale	
	certification, oil testing 20 tests, backflow preventer testing 11	
	units, upgrades to backflow prevention devices to meet new	
	regulatory requirements (2019); US mailing service,	
	wastewater certification testing, boiler water treatment,	
	annual crane and hoist inspections. Various instrumentation	
	service/repair/calibration. Increase due to State mandated	
7435- Other Purchased Services	water main vaults needing upgrades.	61,800
	Plant trash disposal, nine dumpsters picked up five times/week,	
	two specialized dumpsters for oily waste, picked up as needed.	
	Increase due to changing amount of trash pickups to 5	
	times/week. Project activities likely increase utility's across	
	board, increased. WM trash hauling (average of \$581 per	
7446- Other Utility	month)	7,350
·	Turf mower repairs. Machine shop repairs. Motor rewinds,	
	crane and hoist repairs. Flow and level meter calibration.	
	Variable speed drives repairs. Generator PM 3 units. Fire	
	extinguisher PM. Plant road maintenance. Crack sealing, seal	
	coating, chip seal. Outside service for outdoor light pole	
7461- Machine, Vehicle, Equipment	repairs.	52,500
7462- Equipment Maintenance		
Charges	Budgeted by Equipment Maintenance	5,797
	Roto-rooter service for plant drains these are about \$1000 ea.	
	Replacement of vegetation requiring removal during	
	Nitrification phase 2. Boiler inspections. CDS-1 annual	
	inspection of 2 boilers. HVAC tech services systems are getting	
	very old and in need of repair/replace. Outside contracted	
	cleaning services for buildings annually. Increase is due to the	
	last item which has been budgeted in operations and now	
	moved to maintenance. Numerous HVAC units identified as	
7466- Facilities Maintenance	non corrosion resistant and require replacement.	30,042

vv i iti ivialitelianee	411-8100-10020	
GL Account *	Notes	2024
	Vogelsang pump service school or related maintenance training	
	for one employee, and hotel for two employees to attend the	
	RMWEA/2019 RMSAWWA Annual Conference in Keystone, CO.	
	Both years, WEFTEC. Equipment site visits. Increase is due to	
	not budgeting for WEFTEC in the past, equipment site visits,	
	and sending more than one employee to the	
7472- Hotel and Motel	RMWEA/RMSAWWA Annual Conference.	3,296
	2022 RMWEA Annual Conference (Loveland, CO). Service	
7473- Meals	school. 2022. WEFTEC (New Orleans).	1,545
	Airfare to maintenance pump service school, 1 employee.	
	WEFTEC airfare. Misc. airfare for equipment site visits per	
7474- Air Travel	Master Plan recommendations.	1,751
	Reimbursement for driving to and from conferences and	
7475- Mileage	training. Misc. expenses for mileage reimbursement.	258
7477- Other Travel	Shuttle, taxis when attending WEFTEC.	206
7478- Registration		5,665
	Rental of pumps, scaffolding, lifts, centrate reactor warming	
	equipment; other emergency equipment. Gasoline storage tank	
	lease for plant use. 2020 failure of CHAP resulted in \$7k	
	monthly expense for rental of ground thaw heater. 22 increase	
	= contingencies for similar failures requiring emergency	
7633- Equipment Rentals	equipment.	7,000
		933,173

WTRF Laboratory 411-8100-81001

WIRE Laboratory	411-0100-01001	
GL Account *	Notes	2024
7111- Regular Employees		248,133
	Increase due to Construction processes causing disruptions to	
7121- Overtime-Regular	regular work hours leading to team members working overtime	1,132
7211- Disability		1,554
7212- Health		41,508
7213- Dental		1,287
7214- Vision		54
7215- Life		733
7216- Workers Compensation		1,191
7221- General Employees		9,925
7227- 401K		9,726
7231- FICA		15,385
7234- Medicare		3,598
	Pens, pencils, folders, binders, labels, clipboards, etc. for lab.	·
7314- Office Supplies & Materials	Batteries, calendars & refills, items under \$100.	515
	Laboratory and field instruments, LBOD probe, lab chair, river	
	monitoring equipment, digital buret, research pipettes, E.coli ,	
7315- Small Items of Equipment	laboratory probes, sample refrigerator, BOD incubator,	
\$100 - \$5,000	analytical balance	8,385
		· ·
7316- Computer	Adding new SCADA computers and scheduled replacements of	
Hardware/Software < \$5000	computers in which we are converting desktops to laptops	1,598
		· ·
	Laboratory chemicals, reagents, EPA(QA/QC) standards,	
	analytical glassware, sample bottles and jugs. Other items in	
	the budget include: DO & pH probes, thermometers, filters and	
	filtering equip, poly and nitrile gloves, river sampling supplies,	
	E.coli and fecal coliform supplies, laboratory chemicals,	
	reagents, indicators, ph. buffers, supplies and storage solution,	
7321- Medical/Chemical	Hach reagents and equipment.	20,600
	The state of the s	
	Budgeting for 3 team members for new boots annually, new	
7323- Safety And Personal	waders annually, new prescription safety glasses bi-annually,	
Protection	and new safety glasses annually, and other PPE annually.	1,560
- Totalian	Waders for river work, work gloves, clean metals sampling	2,300
7325- Clothing And Uniforms	suits, Lab coats	1,288
7344- Building and Grounds		1,200
Maintenance Supplies	Cleaning and routine maintenance supplies for the lab.	569
7349- Tools < \$5000		520
7411- Postage	Postage for lab mailings.	77
	Increase due to under-budgeting in the past with all EPA,	
7424- In-House Copying	CDPHE, and other mailings	1,030
, 124 III House copying	CD: TIE, and other mailings	1,030

WTRF Laboratory 411-8100-81001

<i>'</i>		
GL Account *	Notes	2024
7426- Outside Printing	Increase due to no budgeting in the past and being charged	103
7432- Publications, Subscriptions,	Standard methods, lab manuals, professional publications &	
and Dues	newsletters,	412
	Increase due to additional memberships for supervisor,	
7433- Memberships & Dues	coordinator, and analyst.	515
	Expense for professional data processing instructions and	
	services via an IGA with the State of Colorado Division of Water	
	Resources satellite-linked river gauge monitoring system.	
	Biomonitoring (extra funds must always be available if sample	
	failures occur; must then perform required TIE & TRE studies).	
	Funding for any plant unscheduled emergency sampling and	
	project analyses. River monitoring: nutrients, metals, benthic	
	study, fish study and Reg #85 analyses. Higher costs for field	
	QA/QC by the Lower Poudre River Monitoring Alliance. Clean	
	metals mercury analysis quarterly. Effluent metals analyses.	
	Hazardous air pollutants (HAP's), digester gas analyses. QA/QC	
	splits w/contract labs. Bio solids metals and nutrient analyses	
	plus Bio solids dioxins scan & radioactivity tests. Deionized	
7435- Other Purchased Services	water testing.	58,092
7433- Other Furchased Services	Analytical balance calibrations, repair and maintenance of	36,032
	laboratory equipment, sample refrigerator, incubators, ovens,	
7461- Machine, Vehicle, Equipment	autoclaves, centrifuges.	735
7401- Machine, Vehicle, Equipment	Lab personnel to acquire needed certification training units via	733
	the Rocky Mtn. Water Quality Analysts Association (RMWQAA)	
	conference and Rocky Mtn. Water Environment Association	
7472- Hotel and Motel	·	1 572
7472- Hotel and Motel	(RMWEA) conference.	1,573
	Lab personnel to acquire needed certification training units via	
	the Rocky Mtn. Water Quality Analysts Association (RMWQAA)	
7472 N41-	conference and Rocky Mtn. Water Environment Association	045
7473- Meals	(RMWEA) conference.	815
	lab staff training and professional development out of state - 1	600
7474- Air Travel	conference or training per year.	600
	Mileage for training, classes and meetings. For meetings on	
	nutrient modeling for new regulations. RMWQAA conference,	
	workshops and meetings. Colorado Monitoring Framework	
	(CMF) Workshop and meetings in the Denver area. Lab	
	personnel to attend analytical and regulatory classes through	
7475- Mileage	the RMWQAA and RMWEA Lab Practices program.	670
	Parking fees when judging state science fair at CSU. Taxis, Car	
7477- Other Travel	rental etc.	231

WTRF Laboratory 411-8100-81001

GL Account *	Notes	2024
	Registration to attend the Rocky Mtn. Water Environment Association (RMWEA) conference and RMWEA bio solids conference. Registration for lab personnel to attend the RMWQAA conference. Lab personnel to attend analytical and regulatory classes through the RMWQAA and RMWEA Lab	
7478- Registration	Practices program.	1,751
	Deionized water purification system for plant's main	
	laboratory. Rental payments were made in 2019 but were not	
7633- Equipment Rentals	put in the correct account	1,500
		437,365

Industrial Pretreatment 411-8100-81002

GL Account *	Notes	2024
7111- Regular Employees		268,114
7121- Overtime-Regular		2,263
7211- Disability		1,669
7212- Health		41,508
7213- Dental		1,287
7214- Vision		54
7215- Life		790
7216- Workers Compensation		1,288
7221- General Employees		10,725
7227- 401K		10,510
7231- FICA		16,623
7234- Medicare		3,886
	Supplies such as pens, paper file folders, office desk items,	
	paper. Batteries, printer cartridges, field instruments, ISCO (the	
	manufacturer of the automatic composite sampler) supplies,	
	jugs, tubing, glassware, award certificates for commercial and	
	industrial users, miscellaneous pretreatment operating	
	supplies; filter replacements for the cleaning room and acid	
7314- Office Supplies & Materials	filters.	1,236
7315- Small Items of Equipment		
\$100 - \$5,000	Misc. items for the pretreatment program.	1,030
7316- Computer		
Hardware/Software < \$5000		2,130
	Needed for updating and creating new first aid kits and	
7318- Medical Supplies	supplies.	515
	pH buffer solutions, Hach test reagents. Misc. chemical	
	cleaners and acids; supplies for cleaning the pretreatment lab.	
7321- Medical/Chemical	Chemical disposal	1,365
	Budgeting for 3 team members for new boots annually, new	
7323- Safety And Personal	waders annually, new prescription safety glasses bi-annually,	
Protection	and new safety glasses annually, and other PPE annually	2,060
	One pair glasses; safety boots & vests for two industrial	
	pretreatment technicians; work gloves; protective coveralls are	
	needed because of working in and around city manholes with	
	pretreatment sampling equipment and for low level mercury	
7325- Clothing And Uniforms	sampling. Under budgeted in 2018.	515
7328- Fleet Fuel	Budgeted by Fleet	375
7333- Machinery, Vehicle &	Various equipment parts for sampling and lab workstation in	
Equipment Parts	the industrial pretreatment vehicle.	1,383

Industrial Pretreatment 411-8100-81002

GL Account *	Notes	2024
7344- Building and Grounds	Small tools, equipment and supplies for field repairs and	
Maintenance Supplies	sampling set-up.	416
7349- Tools < \$5000		312
	Classification mailings; Best Management Practices program	
7411- Postage	mailings; misc. notices and orders.	103
7412- Mailing/Delivery Services -	Increase due to severe under budgeting in the past with all EPA,	
External	CDPHE, and other mailings.	515
	Significant noncompliant public notices and industrial user	
	permit public notices. Annual fee for Public Service	
	Announcements (PSA's) on Pharmaceuticals, and Personal Care	
7418- Advertising	Products (PPCP's).	2,590
7424- In-House Copying		412
	Duplication of manuals, information pamphlets, printing of Best	
7426- Outside Printing	Management Practices participant window stickers.	412
7432- Publications, Subscriptions,		
and Dues	Pretreatment reference materials	515
7433- Memberships & Dues		1,030
	Service contract for Linko industrial pretreatment program	
	software. Service contract for Portalogic software (waste	
	hauler's dump station controller). Permit required compliance	
	monitoring of Significant Industrial users (SIU's); CDPS permit	
	required monitoring of WPCF influent and effluent, and local	
7435- Other Purchased Services	limits monitoring. Potential TENORM and PFAS testing	25,750
7462- Equipment Maintenance		
Charges		698
	Outside repair of industrial pretreatment sampling equipment	
7463- Maintenance Agreements	or instrumentation.	5,858
	Budget is for two employees to attend the National Association	
	of Clean Water Agencies (NACWA) Pretreatment & Pollution	
	Prevention Workshop, or EPA Regional Pretreatment	
7472- Hotel and Motel	Workshop.	3,090
7473- Meals	Per Diem while attending workshop.	618
	A I NACIMA	
	Annual NACWA national (or EPA Regional) pretreatment	
7474- Air Travel	workshop for three employees. Roundtrip airfare.	1,442
	Anticipated costs to attend the Colorado Industrial	
7475- Mileage	Pretreatment Coordinator's Association (CIPCA) meetings.	309
1, 1, 5 IVIIICUSC	i real eathletic coordinator 37,030 clation (cli ch) incettings.	303

Industrial Pretreatment 411-8100-81002

GL Account *	Notes	2024
	Annual Colorado Industrial Pretreatment Coordinators	
	Association (CIPCA) Fall conference; annual Rocky Mtn. Water	
	Envir. Assoc. (RMWEA) PWO operator's certification training;	
7478- Registration	annual NACWA pretreatment workshop.	3,605
	Confined space gas detector lease; deionized water filter	
7633- Equipment Rentals	system lease for pretreatment clean room lab.	2,500
	Funds distributed by the City to the Poudre Learning Center to	
	assist them with the procurement of needed water testing	
7811- Grants-Outside Agencies	supplies for the students.	1,000
		420,913

Special projects/annual call-out averages 56, of that 26 were after hours (OT) totaling 80hrs of over time or 3hrs of OT/event. 26 (OT call-outs) x 3hr/event x \$404 (crew rate) = \$31,500.	2024 928,411 35,641
ofter hours (OT) totaling 80hrs of over time or 3hrs of OT/event. 26 (OT call-outs) x 3hr/event x \$404 (crew rate) =	35,641
ofter hours (OT) totaling 80hrs of over time or 3hrs of OT/event. 26 (OT call-outs) x 3hr/event x \$404 (crew rate) =	
OT/event. 26 (OT call-outs) x 3hr/event x \$404 (crew rate) =	
\$31,500.	
	5,951
	207,540
	6,433
	278
	2,799
	5,002
	37,127
	36,397
	57,558
	13,458
Office supplies including copier paper, envelopes, pens, pencils, cape, printer cartridges. Recreational supplies, film, batteries A, AA, AAA's), keys, gift certificates, name tags, rubber stamps, calendars and planners,	
rophies, plaques, prizes, awards, calculators, and flash drives.	4,584
Furniture and equipment with a per unit cost of \$100 - \$5,000 with useful life of 1 year or more. This does not include repair parts. Budget adjusted, moved hand tools to 7349 "Tools".	6,438
	5,325
	3,323
Meals/Food - non-travel related food items for in-house meetings and training and concessions.operations will hold external safety/meetings and share expense with multiple	4 000
departments.	1,030
First aid kits, bandages, aspirin, and other medical items.	1,030
Lab supplies, hazmat supplies, mace, and less-lethal rounds. Chemicals required for operations such as chlorine, de-icing salt, fertilizers, weed spray, fire extinguishers (not charging – see 7461) bug spray, pest strips, CO2 detectors, etc.Chemicals to treat lift stations and general shop maintenance. Upgrades to the lift station discharge manholes are complete, the	5,150
	ape, printer cartridges. Recreational supplies, film, batteries A, AA, AAA's), keys, gift certificates, name tags, rubber stamps, calendars and planners, rophies, plaques, prizes, awards, calculators, and flash drives. Gurniture and equipment with a per unit cost of \$100 - \$5,000 with useful life of 1 year or more. This does not include repair parts. Budget adjusted, moved hand tools to 7349 "Tools". Meals/Food - non-travel related food items for in-house meetings and training and concessions.operations will hold external safety/meetings and share expense with multiple departments. Girst aid kits, bandages, aspirin, and other medical items. Chemicals required for operations such as chlorine, de-icing alt, fertilizers, weed spray, fire extinguishers (not charging — ee 7461) bug spray, pest strips, CO2 detectors, etc.Chemicals o treat lift stations and general shop maintenance. Upgrades

Sewer Conection	111 0100 10010	
GL Account *	Notes	2024
7323- Safety And Personal	Safety glasses, boots, ear protection, gloves, safety vests, hard	
Protection	hats, ear plugs, and masks (PPE). 11 employee @ \$600	6,798
	Purchase of clothing and uniforms. Includes riot gear and fire	
7325- Clothing And Uniforms	helmets. 11 employees @ \$600	7,398
7327- Gas And Diesel Fuel		100
7328- Fleet Fuel	Fleet Fuel - Original Budget	38,473
	Parts for fleet vehicles and equipment. maintenance supplies	
	for small engines, compressor, welders, etc. Attachments to	
7333- Machinery, Vehicle &	mobile field manitenace vehicles. vehicle tool boxes, seat	
Equipment Parts	covers etc.	25,900
	Painting supplies; includes supplies such as brushes, rollers,	
	roller trays, spray paint, wallpaper and glue, Plumbing supplies	
	(above ground). Electrical supplies; includes wiring, fuses,	
	electrical components, light fixtures, bulbs. Building supplies	
	including lumber, nails, screws, glue. HVAC supplies; parts and	
	supplies related to the maintenance and repair of heating,	
	ventilation, and air conditioning equipment. Cleaning and	
	routine maintenance supplies such as nitrile gloves, cleansers,	
	trash	
	bags, toilet paper, tissues, paper towels, lens and sanitized	
	wipes.Parts and components required to repair water, sewer	
	(below ground), and	
7338- Water, Sewer, Irrigation Line	sprinkler lines; plastic and concrete pipe. Parts and	
Repair Parts	components used in the repair of sewer mains.	10,816
Trepair rates	Supplies used to maintain 10 lift station, shop, and the WWC	10,010
7344- Building and Grounds	system. Electrical parts, locating paint, janitorial supplies and	
Maintenance Supplies	hand tools.	26,000
Walltenance Supplies	nana tools.	20,000
	Sign parts and supplies, traffic signal supplies. Pavement	
	marking supplies; including pavement paint, thermoplastic	
	markings, etc. Asphalt, tack oil, sand, gravel, and other street	
	repair supplies. Parts for the repair and maintenance of motor	
	vehicles, small engines, batteries (A, AA, AAA, etc. under 7314),	
	chain saws, generators, welders, weed eaters, testing and lab	
	equipment. Also, grader blades & snow blades less than \$5000,	
	tires (includes labor for balancing and mounting),	
	tubes, wheel weights, patching supplies. Vehicle oil, lubricants	
	and windshield wiper fluid. Also includes rope, brooms,	
7346- Street & Traffic Repair and	shovels, rakes, small tools under \$100.00, glue, sand for golf	
Maintenance Supplies	courses and park sand.	4,285

Jewei Collection	411-0200-10010	
GL Account *	Notes	2024
	Tools with a per unit cost between \$100 and \$5,000 with useful	
	life of 1 year or more. The purchase of small tools, lumber,	
	ladders, rakes, shovels, weed eaters and mower blades. also	
	includes all cutting blades for chop saws, angle grinders,	
	reciprocating saws and all welding supplies. Hand tools	
7349- Tools < \$5000	addition/replacement	6,240
7418- Advertising	Job advertising	155
	Torrespektive registive binding enoughing and unlated	
	Typesetting, printing, binding, graphics, and related	
	professional printing services for reports, brochures, flyers,	
	business cards, forms, etc. Also includes outside copy charges,	4
7426- Outside Printing	laminating, small signs and decals made by outside service.	155
	The purebase of work related books remarks recovered and	
	The purchase of work-related books, reports, manuals, and	
7422 B. Historia C. handation	other publications. Subscriptions to newspapers, magazines,	
7432- Publications, Subscriptions,	newsletters, similar publications, including updates to law	
and Dues	journals and professional practices. Cd's, dvd's	515
	Annual membership fees for professional organizations that are	
	, , ,	
	job related. AWWA, CRWA, WEF etc. Memberships to	
	organizations relevant to employee discipline. Information	
	received through these organizations keep employees	
	informed and educated on the lastest water	
7422 44 1 1: 0.5	treatment/storage/distribution techniques. Provide approved	4 000
7433- Memberships & Dues	training units to maintain certifacations.	1,030
	Share of call tickets at 1.45 per request. 21-22 hire janitorial	
	services@ collections, facility maintenance cant service WWC	
7435- Other Purchased Services	due to overload.	15,450
7441- Electric	Electrical cost for operating 10 lift stations and the shop	67,851
	Tbone lift station emergency overflow payments to Evans,	
	stormwater charges for ww collections site; Based on incrs &	
7442- Water/Sewer/Stormwater	12mo rolling avg	59,311
	Used for lift station emergency generator backup and heating	
7444- Natural Gas	the maintenance shop; Based on incrs & 12mo rolling avg	4,843
7446- Other Utility		525

Sewer Collection	411-8200-10010	
GL Account *	Notes	2024
	Charges from outside contractors for vehicle repair and	
	maintenance services including car washes. Outside services for	
	the repair and maintenance of elevators, machine, power tools,	
	pumps, and other equipment. Also, includes welding and	
	similar technical services. Annual fire extinguishers charging.	
	Flat tire repair. Contracted outside services for the repair and	
	maintenance of streets and roads, including snow removal,	
	asphalt patching, sweeping, repair, street lights, etc.Outside	
7461- Machine, Vehicle, Equipment	contractor repairs on vehicles and pumps; Asphalt patching	10,500
7462- Equipment Maintenance		54.040
Charges	Budgeted by Equipment Maintenance	51,243
7463- Maintenance Agreements		2,130
	Building and grounds maintenance - outside services for	
	window washing, glass repair, overhead door repair, carpet	
	cleaning, general cleaning, and similar building maintenance.	
	Outside plumbing, heating and electrical services such as	
	inspections, repairs, locks and keying, & related general	
	maintenance. For properties that the City does own. Outside	
	services related to sprinkler systems, sidewalk/concrete repair	
	and replacement, grass seeding and sodding, landscaping and	
	landscape	
7466- Facilities Maintenance	maintenance, tree trimming, and fence installation or repair.	10,500
7 Too Tuomines Manneemanee	maintenance, tree crimining, and rence instanction of repair.	10,500
	Expense for overnight lodging on city business if not included in	
	registration. The increase in budget will cover hotel expense for	
	employees traveling to conferences and school to	
	achieve/maintain City, State & federal certifacations to operate	
7472- Hotel and Motel	and deliver water per the EPA/CDPHE safe water drinking act.	2,575
7473- Meals	Expense for meals while on city business and seminars.	1,030
7474- Air Travel		2,075
	Reimbursement to employees for the use of their personal	
7475- Mileage	vehicle for official city business at a designated rate per mile.	515
7477- Other Travel		500
	Sign up fee for seminars, workshops, and conferences.	
	Registration fees for EPA/CDPHE approved	
	courses/schools/conferences and internet training necessary to	
	achieve/maintain, State/Federal certifacations in Storage and	40.005
7478- Registration	distribution of safe, quaility drinking water.	12,860

GL Account *	Notes	2024
	Rental costs for buildings, offices, storage units, cones,	
	message boards, land, movie rentals, tents, and show booths.	
	There is no longer a gas monitor lease, COG will purchase and	
	maintain all equipment. Perpetual sewer crossing fee (near JBS)	
	to UPPR paid from this account. Fee increased 3%/year. 2021	
7631- Rent	Fee = 2279.31	10,692
7633- Equipment Rentals	Heavy equipment rental.	10,000
7650- Computer/Phone User		
Charges	Budgeted by Finance	213,542
		1,964,159

GL Account *	Notes	2024
	Safety boots cog logo hats, hard hats 1, safety shirts, light	
	coveralls, safety gloves, safety vest, first aid kit refill, rubber	
	boots , safety glasses, safety sweatshirts, ear protection plugs,	
	ear protection, ear protection muffs, face shield, eye	
	protection goggles, eye protection over the glasses, rain gear,	
	bug spray, sun screen In the past this money was taken from	
7325- Clothing And Uniforms	the treatment plants and reservoirs accounts.	1,648
	Satellite charges for VIASAT and GIT, annual SCADA support	
	contracts: GE Digital by Graymatter (Timber Line). Instructional	
	advice received about the maintenance of new equipment	
7463- Maintenance Agreements	installed at the treatment plants.	42,438
	Registration fees for AWWA. Also for advanced electrical &	
	instrumentation training. Required to attend class on new	
7478- Registration	equipment installed at the treatment plants.	1,854
		45,940



Date: July 19, 2023

Key Staff Contact: Rebecca Andrus, Civil Engineer IV for Water Transmission and Distribution

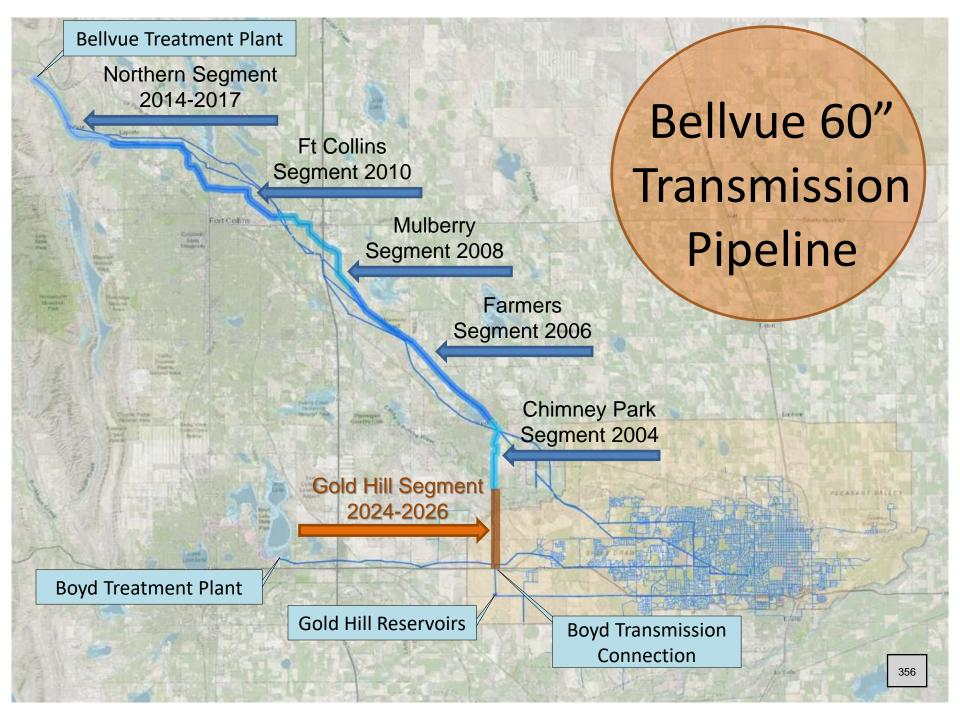
Title: 60" Bellvue Transmission Pipeline Construction Update

<u>Summary:</u> This presentation will be an update to the Board on the progress and status of the 60" Bellvue Transmission Pipeline.

Recommended Action: None

Attachments:





Gold Hill Segment

Provides 50 MGD capacity from either WTP to any pressure zone

Flexibility for Boyd WTP (38 MGD) and Bellvue WTP (35 MGD) throughout the City

Allows the City to decrease pumping from the Boyd WTP shoulder season and summer operations

Bellvue WTP has better Water Quality & reduced costs



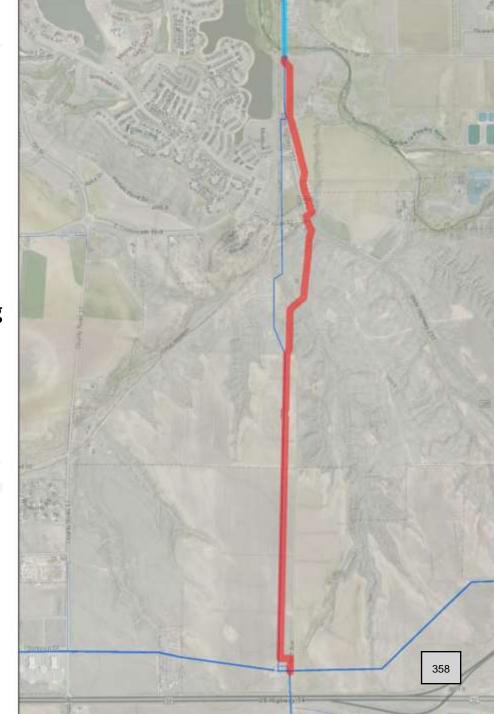
Previous Update - 2019

25 of 28 miles of 60" pipeline completed and in-service (through about 3 miles of 20" pipe)

Final Route Established

- Extensive topographic surveying
- Discussions with property owners
- Identification of utility conflicts
- Determination of actual property boundaries
- Anticipates SH 257 future widening

Anticipated for construction in 2020, delayed due to COVID budget cuts





Bellvue 60"
Transmission
Pipeline Gold Hill
Segment Update

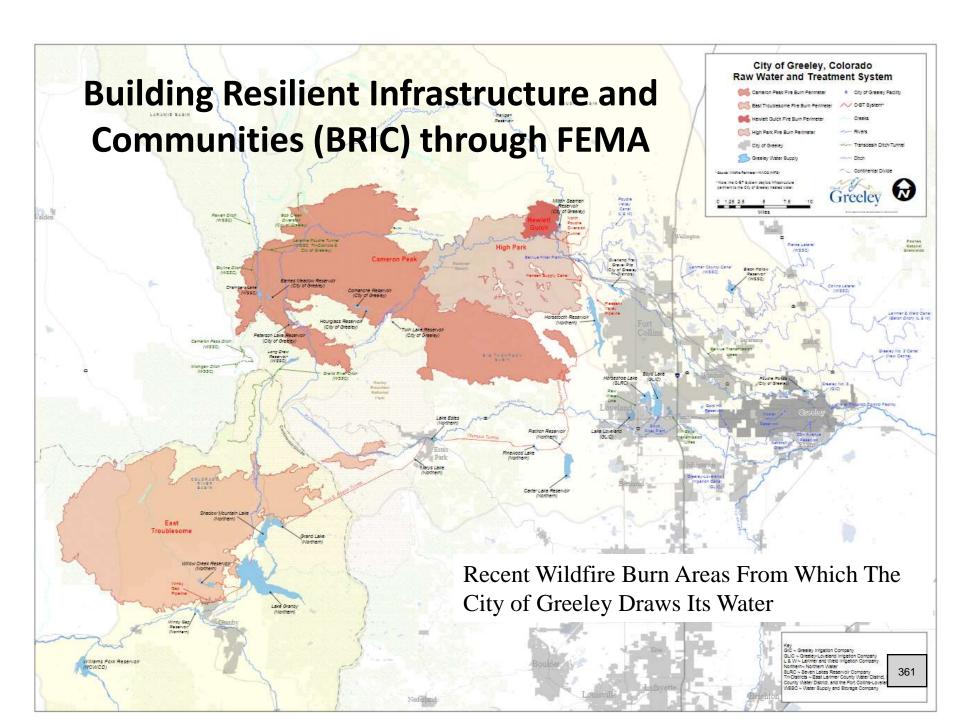
- \$22 million budgeted for Gold Hill Segment in 2024-2026 to construct from south of the Cache La Poudre River to the connection of the Boyd Lines adjacent to the Zone 4 Pump Station
- 2.8 Miles of 60" pipeline





Update and Current Effort

- All easements are secured with their respective owners
- Applied for BRIC to expedite construction
- Coordinating with CDOT for HWY
 257 open cut casing installation
- Finalize Construction Documents



Building Resilient Infrastructure and Communities (BRIC)



RESILIENCY: THE PROJECT
WILL IMPROVE GREELEY'S
ABILITY TO DELIVER
WATER DURING IMPACTS
AND OUTAGES AT THE
WATER TREATMENT
FACILITIES



REDUNDANCY: THE PROJECT WILL ALLOW GREELEY TO UTILIZE EXISTING REDUNDANT SUPPLY, TREATMENT, TRANSMISSION, AND DISTRIBUTION INFRASTRUCTURE AND CAPACITY.

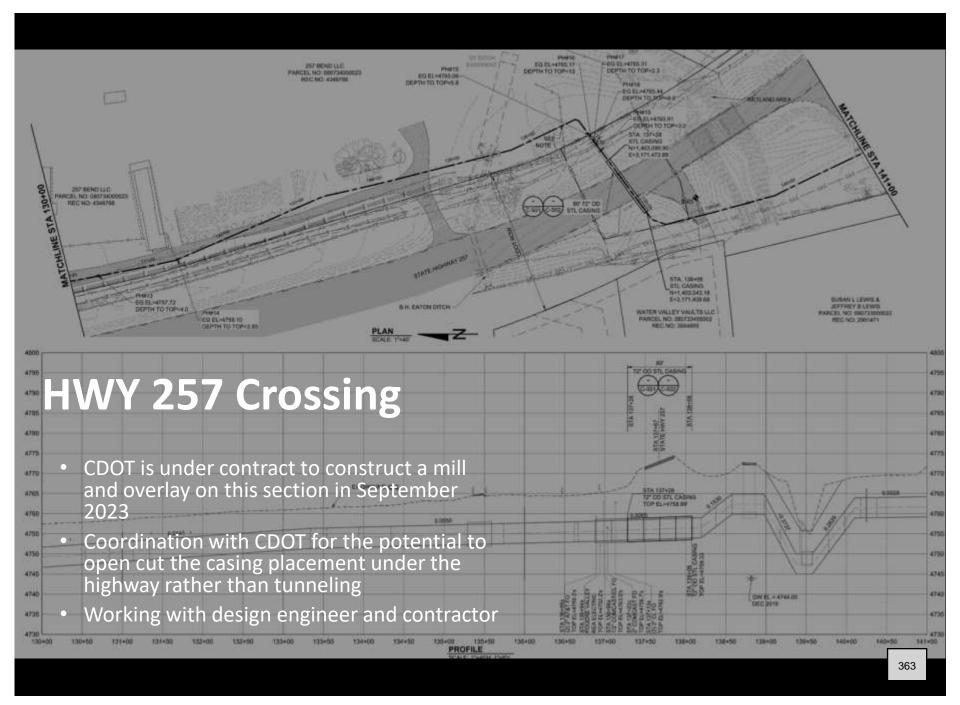


REGIONAL: THE PROJECT SERVES GREELEY, EVANS, MILLIKEN, AND PORTIONS OF WINDSOR AS WELL AS PROVIDING EMERGENCY WATER DELIVERY CONNECTIONS WITH OTHER WATER SYSTEMS.



RELIABILITY: GRAVITY
FLOW REDUCES PUMPING
WHICH WILL REDUCE
COSTS AND REDUCE THE
LIKELIHOOD OF FAILURE

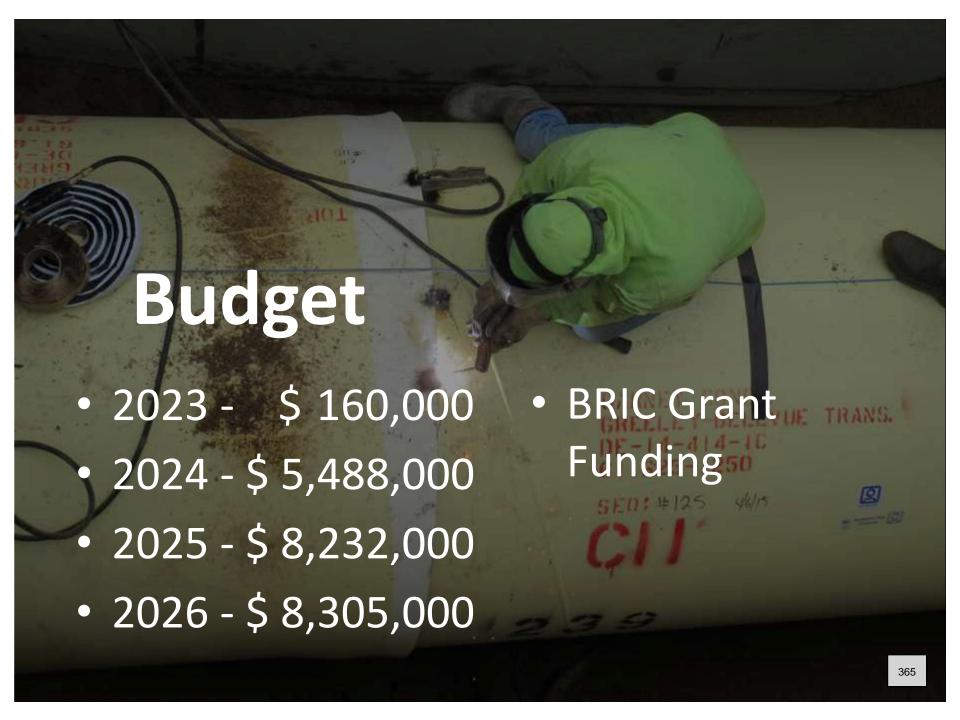




Project Schedule

- Finalize Construction Drawings (90%): June -October 2023
- Approval from Windsor: August-December 2023
- BRIC Announcement: August 2023
- Install Casing across HWY 257 in Conjunction with CDOT Project: planned September 2023, if feasible
- Bid project: November -December 2023
- Construction: 2024-2026 (with BRIC schedule will be accelerated to finish in 2025)





Questions?





Date: July 19, 2023

Key Staff Contact: Patrick Turn, Asset Manager

<u>Title:</u> Asset Management & Cityworks Update

Summary:

This presentation will be an update to the board on Water & Sewers Asset Management program and new Cityworks asset management system.

Recommended Action: None

Attachments:



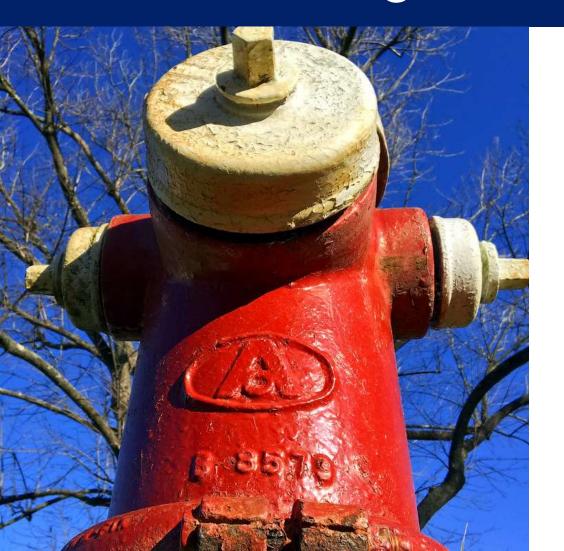
Cityworks Data Driven Decisions

July 19, 2023

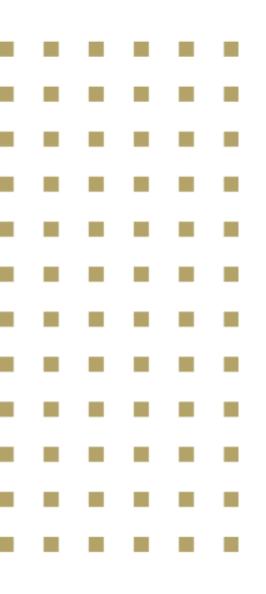
- Asset Management Overview
- Current Status
- Data Collection
- Data Analysis
- Future Cityworks Goals
- Cityworks Admins and Supporting Staff
- Cityworks Demonstration

Agenda

Asset Management Overview



- Asset item, thing, or entity that has potential or actual value to an organization
- Optimizes cost and risk, allowing timely and fact-based decisions
- Asset management is a journey not a destination
 - It is a business approach, a way of thinking. A full transformation of organizational alignment and culture.
 - The benefits are significant, but the implementation requires sustained commitment over the long-term.



Current Status



- Deployment in February of 2023
 - Deployment supported by Woolpert with full in person and remote training and technical support
 - Deployed for Water, Wastewater, WTRF, WTP, HMR and Nonpot
- Assets being tracked through Cityworks
 - 200,000+ horizontal assets fully migrated to Cityworks
 - 5,000 vertical assets and growing
- Cityworks engagement remains high since deployment
 - Processing an average of 175 work orders per month
 - Receiving an average of 25 service requests per month
 - Inspecting an average of 100 assets per month

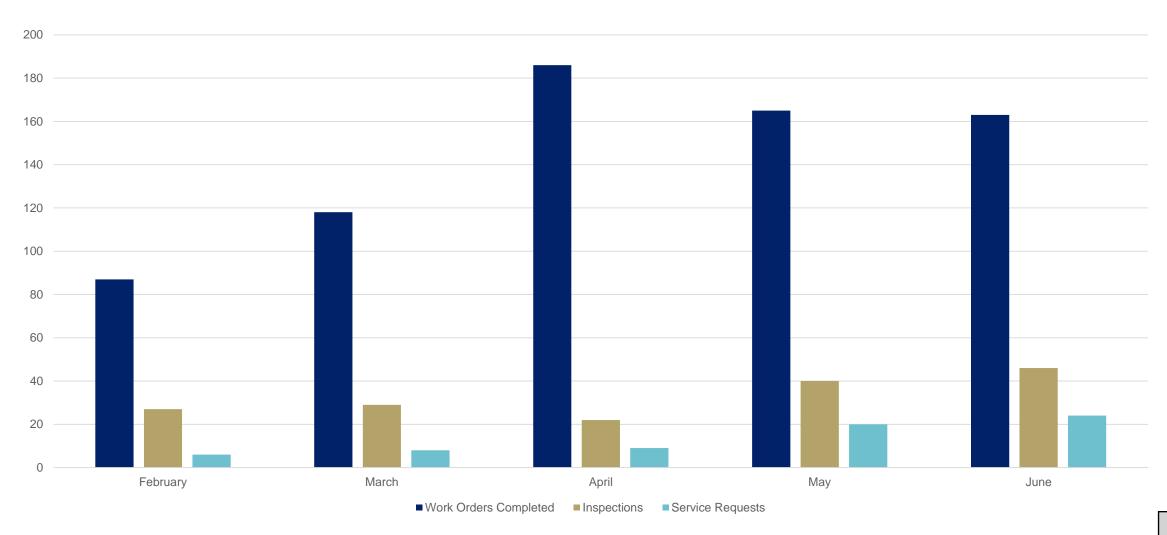


Data Collection



- Data collection is handled through Work Orders, Service Requests and Inspections
- Cityworks functions can be performed by any employee in the field through tablets or other cellular devices
- Data collected through Cityworks is instantly available to office workers for processing and analysis

Cityworks Current Work Order Metrics





Data Analysis



- Supervisors can use Dashboards within Cityworks to track work orders and progress dynamically
- Reporting functions can be used to create a static report for cost and time efficiency analysis
- Cityworks and GIS data combined can be used for asset risk analysis and lifecycle management
- Our goal for data analysis is to reduce reactive maintenance within the operating budget by 15% by the end of 2024



Future Cityworks Goals



- Improve Cityworks integration with other software
- Reach strategic engagement goals
- Increase development of GIS automation and machine learning
- Expand Cityworks usage through the City



Cityworks Admin Staff

- Distribution & Transmission
 - Mark Uhland
 - Tia Miller
- Wastewater Collections
 - Tony Braun
 - Cody Pryke
- WTRF
 - Tyler Eldridge
- Bellvue WTP
 - Austin McKillip
 - Andrew Kabot
- Boyd WTP
 - Alex Freehling
- High Mountain Reservoirs
 - Cole Gustafson



Cityworks Demonstration

Thank you





Date: July 19, 2023

Key Staff Contact: Leah Hubbard, Water Resources Operations Manager

Title: Outside Counsel Legal Report

Summary: This report has been provided by James Noble, outside counsel for the Greeley Water & Sewer Board.

Based on our review of the May, 2023 Water Division 1 Resume, staff and water counsel do not recommend that the Water and Sewer Board file statements of opposition to any water court matters that would be due at the end of July, 2023.

Attachments: None.

Water & Sewer Agenda Summary

Date: July 19, 2023

Key Staff Contact: Water and Sewer Director Sean Chambers

Title: Directors Report

Summary:

The Director will provide the Water & Sewer Board and staff with a brief update on the following items of water utilities policy interest;

- 1. City of Greeley and Colorado Water Industry Events
 - a. Application window for Water Literate Leaders program (CSU Water Center) is now open
 - b. American Water Resources Association Conference July 17th 19th
 - i. Water Resources Staff presenting on long-range planning and adaptive management
 - c. BizWest Confluence Water Summit July 21st
 - i. https://oldevents.bizwest.com/confluence/agenda/
 - d. Summer Board & Council Tour July 28, 2023
 - Chimney Hollow Res. Construction, Boyd Lake WTP, Terry Ranch Pipeline Construction, 23rd Ave. Reservoirs and Wastewater Treatment Facility
 - e. Tour of Greeley's Bob Creek Diversion from Upper Laramie into Poudre August TBD
 - f. Community Member Water Infrastructure Bus Tour Aug. 11th 8:30 am 12:30 pm
 - g. Water Congress Conference August 22 24, 2023;
 - i. Water policy and law education participating in panel on stream restoration
 - ii. Meeting of the Interim Water Resources Review Committee
 - iii. Meetings with Sen. Bennet's Farm Bill policy and forest health staff
 - h. CWCB's C-9 Statewide Water Basins Roundtable Summit November 16th
 - i. Virtual re-broadcast of CWCB Drought Summit (5/31-6/1) is available for viewing at:
 - i. https://engagecwcb.org/drought-summit
 - j. Colorado River Water User Association (CRWUA) Annual Meeting Dec. 13 15
 - i. https://www.crwua.org/welcome.html
- 2. Greeley Water System Runoff and Water Supply Memo
 - a. a full formal report and presentation from Water Resources staff will be provided in August

Recommended Action: N/A

Attachments:

Water Resources Runoff and Supply Memo Board Charts



MEMORANDUM

TO: Sean Chambers, Water and Sewer Director

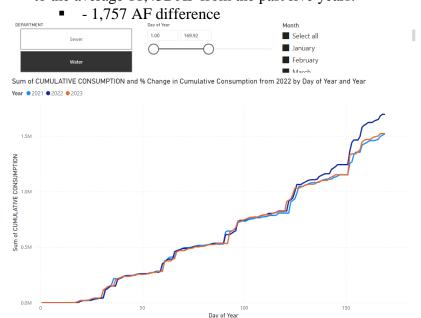
FROM: Alex Tennant, Water Resources Administrator II

DATE: July 11, 2023

RE: July 2023 Runoff Season Review

This Water Year is continuing to develop into an El Nino condition through spring and early summer. The current forecast shows an 84% chance that the remainder of 2023 will result in at least a moderate El Nino condition. Historically, El Nino brings cooler temperatures and wetter conditions than normal in the spring, summer, and fall to Northern Colorado. This has clearly been the case in 2023. A Few Key statistics for Greeley so far this year:

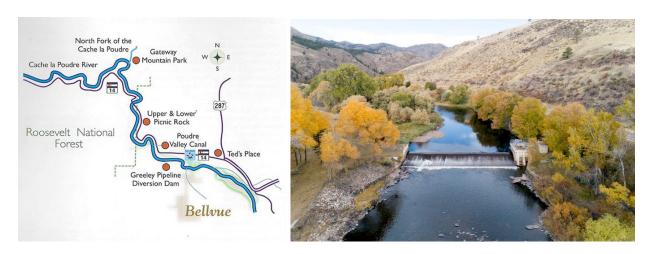
- Below Average Temperatures
 - o January, February, March, April, June, and July to date were all below average
- Above Average Precipitation
 - o 13.47 inches for the year through 6/30/2023 vs the historical average of 8.56 inches
- Production
 - o 9,675 AF of produced water from Boyd and Bellvue through June 2023 compared to the average 11,432 AF from the past five years.



SERVING OUR COMMUNITY • IT'S A TRADITION

We promise to preserve and improve the quality of life for Greeley through timely, courteous and cost effective service.

The river call administration and sustained high flow this year on the South Platte and Poudre rivers have been unique. Since the last time Colorado was without drought conditions in 2019, the state has been very dry. Reservoirs across the front range and out east were much below 50% capacity coming into this year. This meant the River Commissioners were unable to allow free river conditions more than a few days before the rain began in May. Once the rain did begin in early May, things changed drastically. Delayed melt due to cooler temperatures combined with rain along the front range cities and rain/snow mix in the mountains created an extended runoff season for almost all the South Platte tributaries north of the Palmer Divide.



The South Platte has been on free river since May 12th. The call is often on/off from February-May depending on lower basin water supply, but a call typically comes on in June and stays on into November. The threshold for a controlling direct flow call (1936 priority date) coming on the lower SP is 1,600cfs. This year the South Platte has been running above 2,000cfs since May 12th.

Cache la Poudre has been on free river (no call on the river) since May 5th. The call did come on briefly 7/4 but was released on 7/6. The is also atypical for the CLP. The peak runoff was about 2,500 cfs at the canyon mouth gauge near Bellvue which is not abnormal, but the flow has been at or above 1,000cfs up until the beginning of July. Usually, the CLP runoff peaks quickly and drops off for a senior direct flow call to begin the first week of July. All reservoirs were able to fill this year and some ditches were able to get through the first cutting of alfalfa without delivering water to shareholders. Greeley's High Mountain Reservoir (HMR) system yielded over 4,000 acre-feet of supply with the majority of that rented out to agriculture

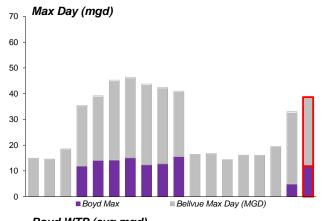
Finally, in addition to Cache la Poudre River, reservoirs across the Colorado River and northern South Platte tributaries are 100% full; however, the wet, cool spring and early summer has resulted in low irrigation demands which resulted in spilling of Windy Gap.

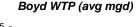
Water Treatment

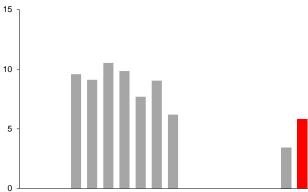
Bellvue Water Treatment Plant operates year-round with a transmission capacity of 29.1 million gallons per day (mgd) (plant capacity is 32 to 35 mgd). Water sources include Poudre River direct flows, Colorado-Big Thompson (C-BT), Windy Gap, High Mountain Reservoirs, Laramie-Poudre Tunnel, and Water Supply and Storage. Average volume is 19,000 acre-feet a year (2000-2011). The plant was built in 1907, with its last treatment upgrade in 2009. Solar panels were added in 2014.

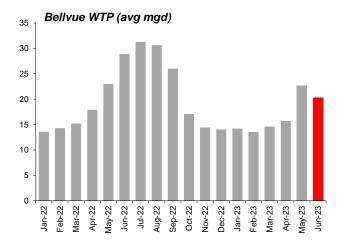
Boyd Water Treatment Plant operates normally from April to October with a plant capacity of 38 mgd (transmission capacity is 40 mgd). Water sources include Greeley-Loveland Irrigation Company, C-BT, and Windy Gap. Average Volume is 8,200 acre-feet (2000-2011). The current plant was built in 1974, with its last treatment upgrade in 1999. Solar panels were added at Boyd in 2014. In 2016, tube settlers and platte settlers were replaced in the sedimentation basins. In 2018, all old existing chemical lines were replaced with new lines and the piping was up-sized to carry more chemical. A PLC upgrade was done on the SCADA system. Sludge pumps were replaced and hooked into the Trac Vac system that pulls sludge out of the sedimentation basins.

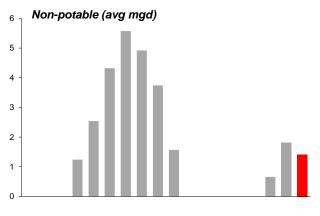
Combined, Bellvue and Boyd can treat a maximum of 70-73 million gallons per day.



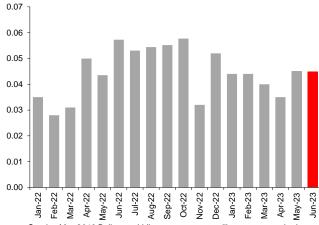








Turbidity of Finished Water (NTU*)



Starting May 2016 Bellvue turbidity measurements will use a new method resulting in more accurate readings.

*Turbidity limit: 95% of samples must be below 0.3 NTU.

Turbidity is the measure of rel ative clarity of a liquid. Clarity is important when producing drinking water for human consumption and in many manufacturing uses. Turbidity is measured in Nephelometric Turbidity Units (NTU).

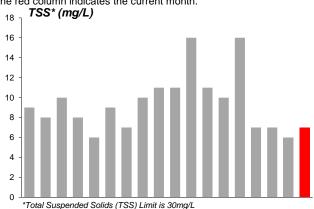


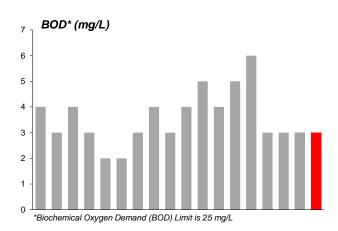
Wastewater Treatment

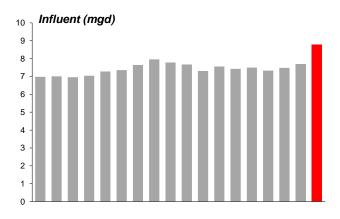
The Water Pollution Control Facility (WPCF) staff are dedicated environmental professionals who provide quality, safe and cost-effective wastewater treatment services for the citizens of Greeley. The WPCF treats wastewater to meet or exceed Environmental Protection Agency (EPA) and Colorado Department of Public Health & Environment requirements.

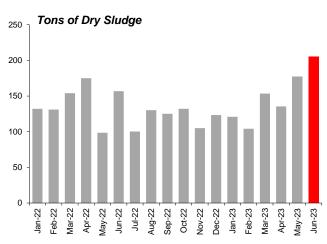
In 2011, the WPCF received an Xcel Energy Custom Efficiency Achievement Award for saving 2.78 million kWh and reducing CO2 emissions by 1,584 tons. In 2012, the WPCF received the Rocky Mountain Water Environment Association's (RMWEA) Sustainability Award for Colorado demonstrating excellence in programs that enhanced the principles of sustainability. A Certificate of Achievement from the Colorado Industrial Energy Challenge program managed through the Colorado Energy Office was received in the same year. In 2013, the plant received the City of Greeley's Environmental Stewardship Award for outstanding efforts to reduce energy (watts), conserve energy and water, reduce air and water pollution, and educate and encourage others to be environmental stewards. Also, in 2013, the plant was the recipient of a Bronze Award from the Colorado Environmental Leadership Program. In 2015, after having 5 years without a plant violation, the plant received the 2015 National Association of Clean Water Agencies (NACWA) Platinum Peak Performance award for the City of Greeley Water and Sewer Department.

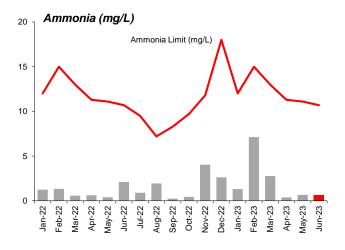
Note: the red column indicates the current month.











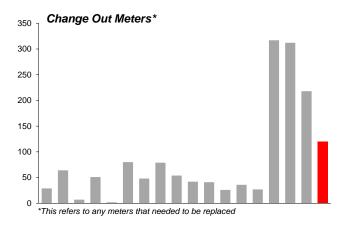
Water Distribution

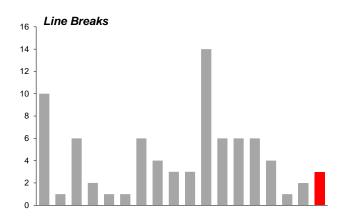
The Greeley water distribution system consists of various sizes of pipes that generally follow the streets within the City. The distribution system serves residences and businesses in Greeley, Evans and Garden City, and the system is divided into four pressure zones.

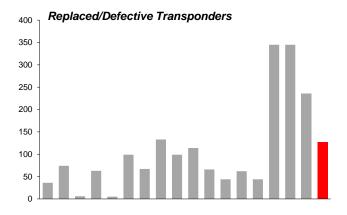
There are 69.75 million gallons of potable water storage in Greeley. The water is stored within three covered reservoirs and one elevated tank; 23rd Avenue - 37.5 million gallons, Mosier Hill - 15 million gallons, and Gold Hill - 15 million gallons. The system also has 476 miles of pipeline, 24,233 water meters and 3,378 fire hydrants.

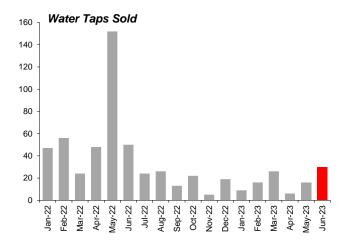
The water pipes in the distribution system vary in size from 4" to 36". Pipe material is steel, ductile iron, cast iron, or p olyvinyl chloride. The age of the pipes varies from the 1890's to new installations.

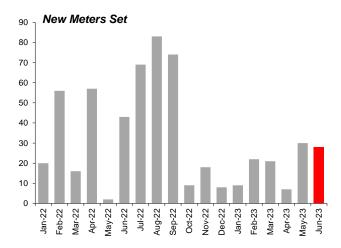
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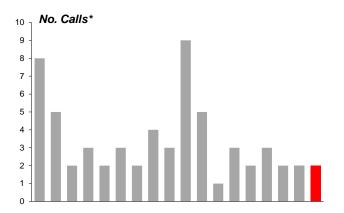
Wastewater Collection

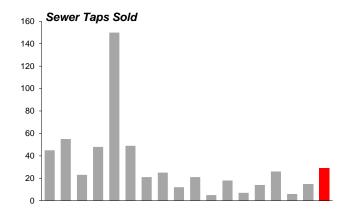
The mission of the Wastewater Collection Division of the Water and Sewer Department is to protect community health by transporting wastewater away from homes and businesses. This includes respecting property values and public safety by reducing the frequency of blockages in the sanitary sewer lines.

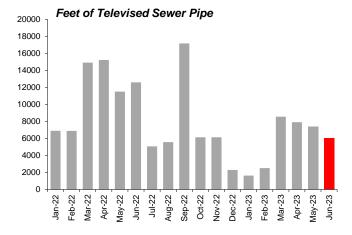
A wide variety of work is performed including routine cleaning of sewer lines, inspection of sewer lines, maintenance of the sewage pumping stations, rehabilitation of the system and responding to emergencies.

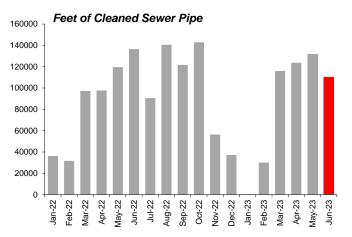
The wastewater collection system dates back to 1889. At the end of 2017, the system had a total of 364.8 miles of line and 10 sewage pumping stations. The sewer service area is approximately 51 square miles. Over the last 10 years, the system has grown by 17 miles.

Note: the red column indicates the current month.









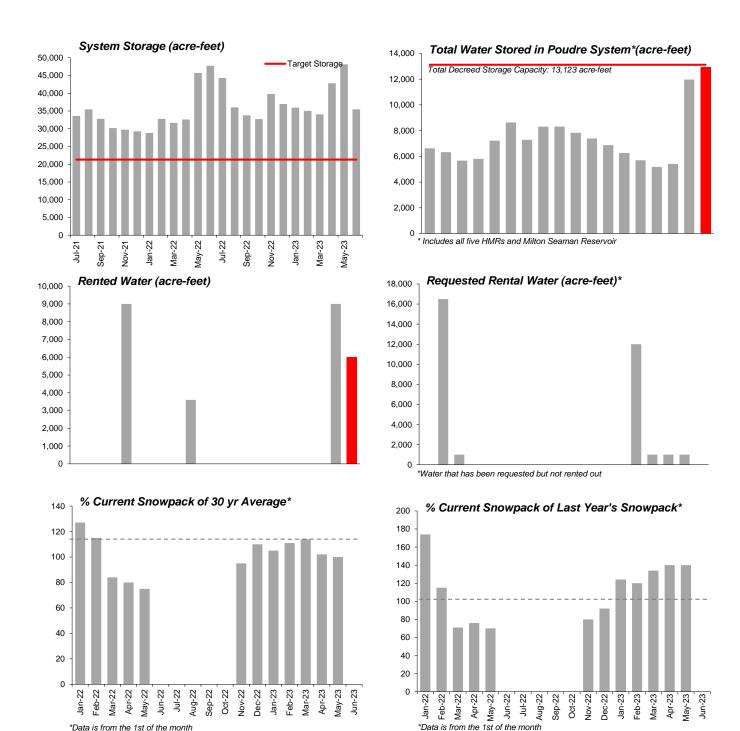
Water Resources

Greeley has numerous water rights in four river basins; the Upper Colorado River, Cache La Poudre, Big Thompson and Laramie River. The Water Resource staff must account for all of this water and comply with the rules of the Colorado Water Court and the State Engineer's Office which is in charge of allocating all of Colorado's water resources. Approximately one-third of the City's water supply comes from agricultural water rights. These water rights must be formally changed to municipal use by a special legal process through the Water Court. In this court, Water Resource staff and attorneys also defend the City's water rights against adverse claims from other parties.

Greeley's goal is to have enough water in carry-over storage to sustain Greeley through a 50-year critical drought. Water in excess of this carry-over drought supply can be leased to agriculture, both for revenue and to support our local agricultural community. Modeling has shown that, given existing population and demand factors, Greeley will have sufficient water for citizens, if at the begininning of the 6-year long, 50-year critical drought, there is 20,000 acre-feet in storage on April 1st of the following year.

Note: the red column indicates the current month.

**Average of Deadman Hill and Joe Wright

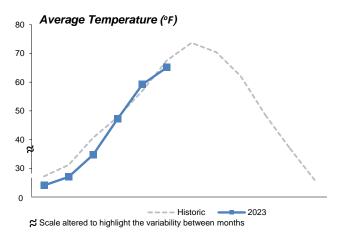


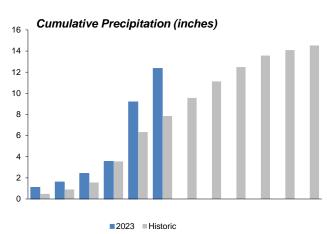
**Average of Deadman Hill and Joe Wright

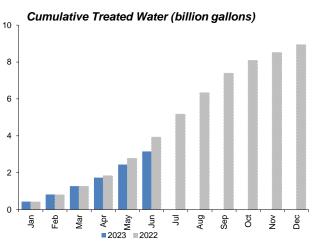
Treated Water and Weather Data

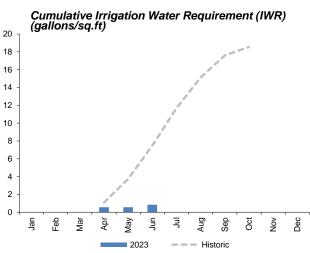
January was a cold month with an average temperature of 24°F. The average temperature for Febuary was 27°, about 4° lower than the historical. Its been another cold month in March with an average temperature of 34.8°F, which is still 4° lower than the historical average. The average temperature in April was 47.33°F which is very close to the historical average. May's average temperature was slightly above average at 59.23°. Junes average temperature was 65.15°F, about 2° lower than the historical average.

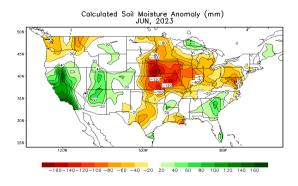
Greeley received 1.1 inches of precipitation in January, this is more than double the historical average for this month. Febuary brought 0.51 inches of precipitation. Total precipitation for March was 0.81 inches, bring the total so far this year to 2.42. Greeley reveiced 1.14 inches or precip in April, bringing the cummulative precip very close to the historical. Greeley received an astonising 5.63 inches of precitataion in May, this is close to 3 inches above average. Another 3.16 inches of precipation fell in June, which is more than double what has historically been received in june.

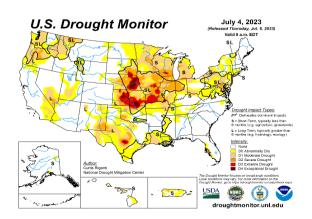












National Weather Service Climate Prediction Center