



Fund 413

Sewer Capital Replacement

Trenchless Main and Collector Rehabilitation

Project Number:	11078	Budget Year:	2023
Division:	Wastewater Collection	Council Priority:	Greeley Water: History, Heritage, Innovation , Your Home is Here
Project Type:	Sewer Replacement Collection	Regions:	0 - All Wards
Fund:	Sewer Capital Replacement	Location:	Citywide
Project Manager:	John Goin	Budget Unit #:	4131060830040000011078
Project Status:	Funded		

Description:

This annual program renews about 1% of the sewer system using cured-in-place pipe (CIPP). 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 evaluate the likelihood and consequences of a sewer main failing creating a risk rating. Risk is dependent on which pipes are determined to be lined annually. Typical risks include traffic impacts during the lining , bypass flow management , and minimizing service outages to customers while lining the pipe.

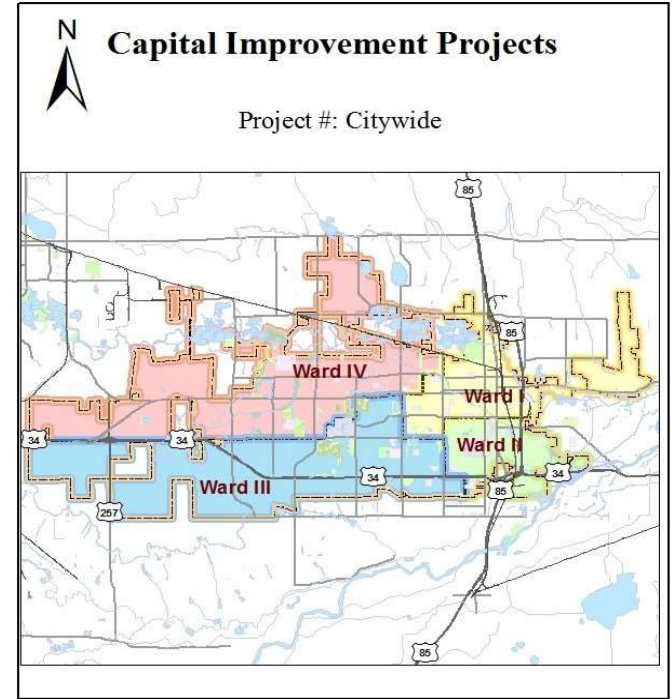
Justification:

Each year Sewer Collection identifies existing piping that are in poor condition, subject to high infiltration, could have severe corrosion or have a consequence of failure and rehabilitates that pipe using a cure in place process. Lining the identified pipes, improves system capacity, significantly reduces groundwater infiltration to the collection system, and eliminates the risk and consequences of pipe failure to insure public health is maintained by safely conveying wastewater to the wastewater plant. This process allows staff to rehabilitate older sewer lines without excavating the street and minimizing disruption to its customers.

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.

GL Account	Description	Previous 3 Years	2021 Actual	2022 Revised Budget	2023	2024	2025	2026	2027	Grand Total
Revenue										
	Fund Balance	1,252,810	33,544	550,000	420,000	420,000	420,000	420,000	420,000	3,936,354
4787	Other	-	-	420,000	-	-	-	-	-	420,000
Total Revenue		\$1,252,810	\$33,544	\$970,000	\$420,000	\$420,000	\$420,000	\$420,000	\$420,000	\$4,356,354
Expense										
8202	Construction	1,154,939	24,652	920,000	400,000	400,000	400,000	400,000	400,000	4,099,591
8216	Miscellaneous	34	36	-	-	-	-	-	-	71
8226	Permits, Fees, Etc	755	-	-	-	-	-	-	-	755
8229	Professional Services	37,920	6,720	10,000	-	-	-	-	-	54,640
8232	Project Management	59,162	2,136	40,000	20,000	20,000	20,000	20,000	20,000	201,297
Total Expense		\$1,252,810	\$33,544	\$970,000	\$420,000	\$420,000	\$420,000	\$420,000	\$420,000	\$4,356,354
Net Total		-	-	-	-	-	-	-	-	-



Highland Hills Sewer 47th Ave Capacity

Project Number:	11372	Budget Year:	2023
Division:	Wastewater Collection	Council Priority:	Greeley Water: History, Heritage, Innovation , Your Home is Here
Project Type:	Sewer Replacement Collection	Regions:	3- 10 St South/23 Ave West
Fund:	Sewer Capital Replacement	Location:	16th St and 47th Ave
Project Manager:	John Goin	Budget Unit #:	4131060402290000011372
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 Hill 47th Ave Capacity Improvements will increase capacity for approximately 1 mile of existing sanitary sewer main to address existing and future flows from the T-bone Lift Station and Highland Hills Area. The existing infrastructure 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, necessitating the downstream improvements. The proposed pipe alignment will cross; 20th Street west of 47th Ave, Monfort Park, and the Main Grape Vine Ditch. The Crossing of Monfort Park will require coordination with CPRD to coordinate sporting events currently held at the park. The project will also be in close proximity to Monfort Elementary and Aims Community College and will need to coordinate traffic impacts during construction, especially with the crossing of 20th Street.

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 T Bone 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.

GL Account	Description	Previous 3 Years	2021 Actual	2022 Revised Budget	2023	2024	2025	2026	2027	Grand Total
Revenue										
	Fund Balance	-	-	-	-	-	2,550,000	-	-	2,550,000
4787	Other	-	-	340,000	-	-	-	-	-	340,000
	Total Revenue	-	-	\$340,000	-	-	\$2,550,000	-	-	\$2,890,000
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	-	-	265,000	-	-	200,000	-	-	465,000
8232	Project Management	-	-	35,000	-	-	50,000	-	-	85,000
	Total Expense	-	-	\$340,000	-	-	\$2,550,000	-	-	\$2,890,000
	Net Total	-	-	-	-	-	-	-	-	-

WWC Sewer System Rehabilitation

Project Number:	11081	Budget Year:	2023
Division:	Wastewater Collection	Council Priority:	Greeley Water: History, Heritage, Innovation , Your Home is Here
Project Type:	Sewer Replacement Collection	Regions:	0 - All Wards
Fund:	Sewer Capital Replacement	Location:	Citywide
Project Manager:	John Goin	Budget Unit #:	4131060830000000011081
Project Status:	Funded		

Description:

This program covers repairs of sanitary sewer manholes and main lines done by Wastewater Collection crews. Examples of these repairs include replacement of existing manholes, point repairs to main lines, purchase of frames and covers, miscellaneous repair parts, drop repairs and installations, channel repairs and other needed repairs to existing infrastructure. The replacement of manhole frames and covers during the City's Asphalt Overlay program are also included. This budget has been consolidated with Lift Station Rehabilitation which historically addressed upgrades to existing lift stations as identified by the lift station master plan. Needs from this study have been addressed, however there is an on going need for maintenance of these lift stations to insure they are operating efficiently.

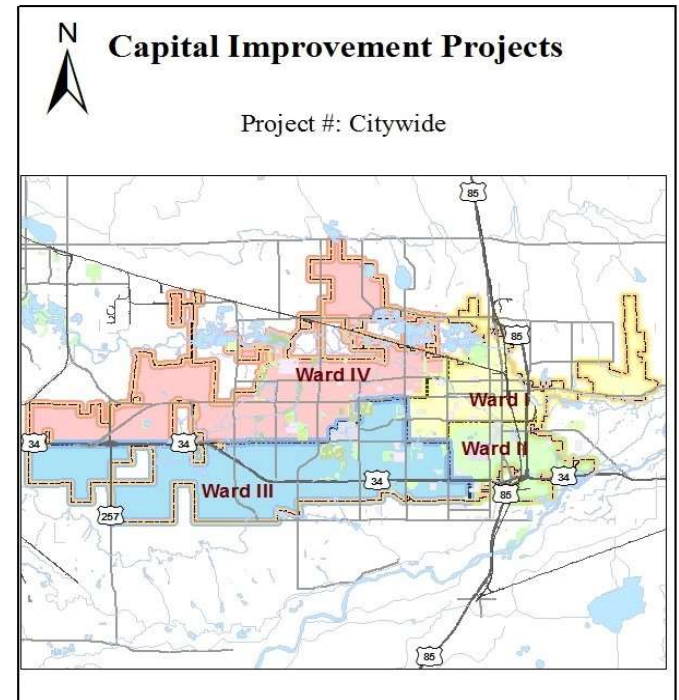
Discussion of Progress:

Ongoing annual program.

Justification:

The existing manholes covers, frames and barrels are damaged over time by traffic. Collections staff investigate existing sanitary systems prior to work being completed by the City's Asphalt Overlay program. The program provides funding for any repairs needed to the sewer collection system and existing lift stations.

GL Account	Description	Previous 3 Years	2021 Actual	2022 Revised Budget	2023	2024	2025	2026	2027	Grand Total
Revenue										
	Fund Balance	421,098	13,195	-	180,000	165,000	165,000	165,000	165,000	1,274,293
4787	Other	-	-	250,000	-	-	-	-	-	250,000
4789	Expense Reimbursement	8,278	-	-	-	-	-	-	-	8,278
Total Revenue		\$429,376	\$13,195	\$250,000	\$180,000	\$165,000	\$165,000	\$165,000	\$165,000	\$1,532,571
Expense										
8202	Construction	57,019	-	80,000	20,000	20,000	20,000	20,000	20,000	237,019
8208	Furniture, Fixtures & Equipment	3,128	-	-	-	-	-	-	-	3,128
8224	Operating Supplies	229,151	13,195	95,000	95,000	95,000	95,000	95,000	95,000	812,346
8226	Permits, Fees, Etc	1,295	-	-	-	-	-	-	-	1,295
8229	Professional Services	-	-	10,000	-	-	-	-	-	10,000
8232	Project Management	14,482	-	-	-	-	-	-	-	14,482
8244	Capital Equipment >\$5,000	124,300	-	65,000	65,000	50,000	50,000	50,000	50,000	454,300
Total Expense		\$429,376	\$13,195	\$250,000	\$180,000	\$165,000	\$165,000	\$165,000	\$165,000	\$1,532,571
Net Total		-	-	-	-	-	-	-	-	-



Sewer Collection System Rehabilitation

Project Number:	11075	Budget Year:	2023
Division:	Wastewater Collection	Council Priority:	Greeley Water: History, Heritage, Innovation , Your Home is Here
Project Type:	Sewer Replacement Collection	Regions:	0 - All Wards
Fund:	Sewer Capital Replacement	Location:	Citywide
Project Manager:	John Goin	Budget Unit #:	4131060830010000011075
Project Status:	Funded		

Description:

This is an ongoing program to physically replace undersized lines in the sewer collection system. The City typically replaces two to three blocks of line each year, focusing on the worst problem areas. The budget has been consolidated with Manhole Rehabilitation which includes rehabilitation of various manholes with severe corrosion issues using cementitious materials . 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 in advance of KGM overlay within the project limits in 2022.

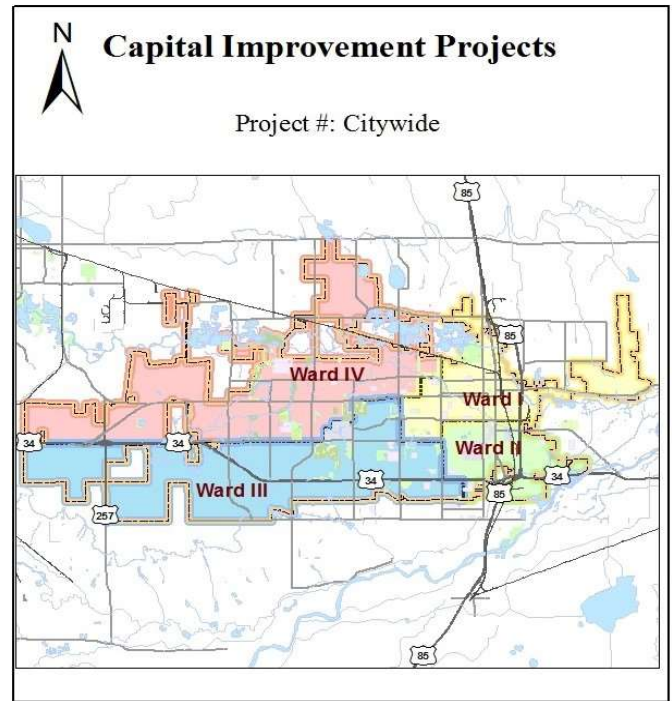
Discussion of Progress:

This is an annual program.

Justification:

This program was identified as a high priority in the 2008 Sanitary Sewer Master Plan. The master plan identified lines six inches or smaller that could not be properly maintained and identified compound taps for elimination. Completion of these projects will improve services to under-served customers and clarify ownership and maintenance responsibilities of customer service lines.

GL Account	Description	Previous 3 Years	2021 Actual	2022 Revised Budget	2023	2024	2025	2026	2027	Grand Total
Revenue										
	Fund Balance	546,288	-	250,000	160,000	160,000	160,000	160,000	160,000	1,596,288
4787	Other	-	-	145,000	-	-	-	-	-	145,000
Total Revenue		\$546,288	-	\$395,000	\$160,000	\$160,000	\$160,000	\$160,000	\$160,000	\$1,741,288
Expense										
8202	Construction	402,091	-	250,000	125,000	125,000	125,000	125,000	125,000	1,277,091
8216	Miscellaneous	26	-	-	-	-	-	-	-	26
8224	Operating Supplies	107,386	-	100,000	15,000	15,000	15,000	15,000	15,000	282,386
8226	Permits, Fees, Etc	2,287	-	-	-	-	-	-	-	2,287
8229	Professional Services	18,956	-	30,000	10,000	10,000	10,000	10,000	10,000	98,956
8232	Project Management	15,542	-	15,000	10,000	10,000	10,000	10,000	10,000	80,542
Total Expense		\$546,288	-	\$395,000	\$160,000	\$160,000	\$160,000	\$160,000	\$160,000	\$1,741,288
Net Total		-	-	-	-	-	-	-	-	-



Wastewater Flow Monitoring Program

Project Number:	11080	Budget Year:	2023
Division:	Wastewater Collection	Council Priority:	Greeley Water: History, Heritage, Innovation , Your Home is Here
Project Type:	Sewer Replacement Collection	Regions:	0 - All Wards
Fund:	Sewer Capital Replacement	Location:	Citywide
Project Manager:	John Goin	Budget Unit #:	4131060830100000011080
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.

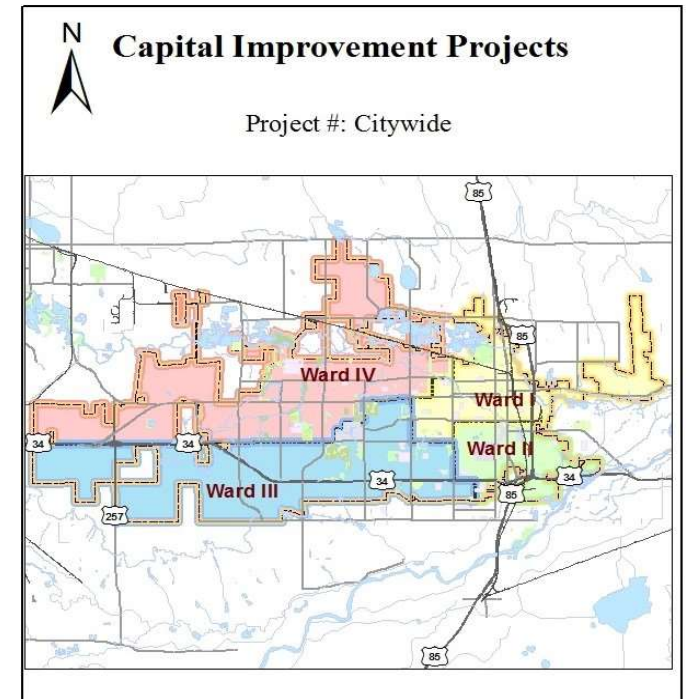
Discussion of Progress:

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.

GL Account	Description	Previous 3 Years	2021 Actual	2022 Revised Budget	2023	2024	2025	2026	2027	Grand Total
Revenue										
	Fund Balance	52,990	-	-	85,000	85,000	85,000	85,000	85,000	477,990
4787	Other	-	-	115,000	-	-	-	-	-	115,000
4789	Expense Reimbursement	1,485	-	-	-	-	-	-	-	1,485
Total Revenue		\$54,475	-	\$115,000	\$85,000	\$85,000	\$85,000	\$85,000	\$85,000	\$594,475
Expense										
8202	Construction	5,228	-	-	5,000	5,000	5,000	5,000	5,000	30,228
8224	Operating Supplies	110	-	5,000	5,000	5,000	5,000	5,000	5,000	30,110
8226	Permits, Fees, Etc	130	-	-	-	-	-	-	-	130
8229	Professional Services	45,626	-	75,000	5,000	5,000	5,000	5,000	5,000	145,626
8232	Project Management	3,380	-	5,000	5,000	5,000	5,000	5,000	5,000	33,380
8242	Utility Services	-	-	5,000	15,000	15,000	15,000	15,000	15,000	80,000
8244	Capital Equipment >\$5,000	-	-	25,000	50,000	50,000	50,000	50,000	50,000	275,000
Total Expense		\$54,475	-	\$115,000	\$85,000	\$85,000	\$85,000	\$85,000	\$85,000	\$594,475
Net Total		-	-	-	-	-	-	-	-	-



8th Ave Sanitary/Storm MH Conflict

Project Number:	N740	Budget Year:	2023
Division:	CAPITAL IMPROVEMENTS	Council Priority:	Greeley Water: History, Heritage, Innovation , Your Home is Here
Project Type:	Sewer Replacement Collection	Regions:	1- 16 St North/35 Ave East
Fund:	Sewer Capital Replacement	Location:	Alley, 100 Block 8th Avenue
Project Manager:	John Goin	Budget Unit #:	2023*
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.

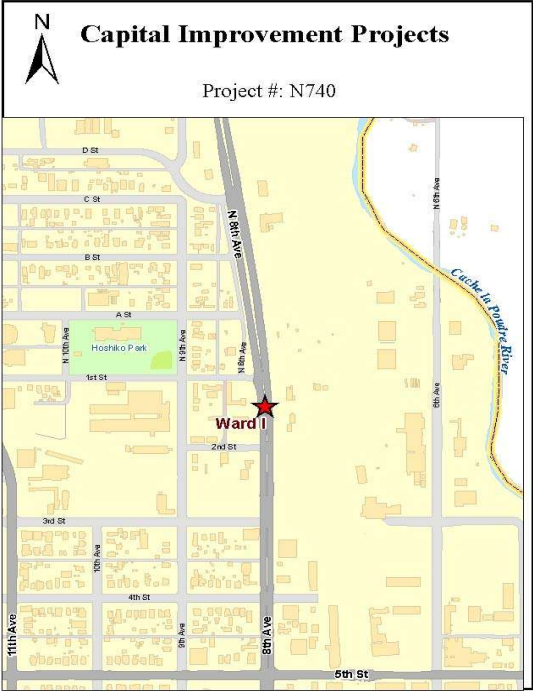
Discussion of Progress:

Scheduled to begin monitoring and design in 2023 with construction in 2025.

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. The existing sewer mains reduce the hydraulic capacity of the storm sewer that 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 11th Street.

GL Account	Description	Previous 3 Years	2021 Actual	2022 Revised Budget	2023	2024	2025	2026	2027	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	-	-	-	10,000	10,000	10,000	-	-	30,000
8235	Real Estate	-	-	-	-	5,000	-	-	-	5,000
	Total Expense	-	-	-	\$66,000	\$140,000	\$445,000	-	-	\$651,000
	Net Total	-	-	-	-	-	-	-	-	-



Highland Hills Sewer Bittersweet Park

Project Number:	N745	Budget Year:	2023
Division:	CAPITAL IMPROVEMENTS	Council Priority:	Greeley Water: History, Heritage, Innovation , Your Home is Here
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 #:	Unassigned
Project Status:	Funded		

Description:

The Sanitary Sewer Masterplan has 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. The replacement of this sewer line will have major impacts on traffic in 35th Avenue and 16th Street adjacent to the park. Trenchless alternatives will need to be considered to minimize traffic and park impacts. The existing sewer crosses Bittersweet Park where the turf was recently replaced. The existing sewer line is in close proximity to heavily used walking trails, playground and restrooms, Weld County Fallen Officers Memorial and is close to several large trees within the park. There are several celebrations held at the park that will need to be considered with construction. The project will require extensive coordination with CPRD. The design phase of this project will likely be combined with the Highland Hills 35th Ave Capacity Improvements project however construction will likely be phased.

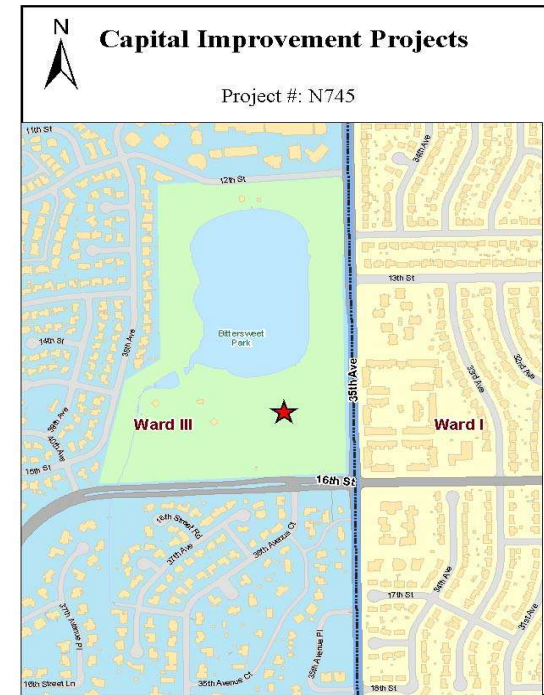
Discussion of Progress:

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.

GL Account	Description	Previous 3 Years	2021 Actual	2022 Revised Budget	2023	2024	2025	2026	2027	Grand Total
Revenue										
	Fund Balance	-	-	-	-	265,000	-	1,255,000	-	1,520,000
	Total 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	-	-	-	-	15,000	-	20,000	-	35,000
	Total Expense	-	-	-	-	\$265,000	-	\$1,255,000	-	\$1,520,000
	Net Total	-	-	-	-	-	-	-	-	-



Highland Hills Sewer 35th Ave Capacity

Project Number:	N744	Budget Year:	2023
Division:	CAPITAL IMPROVEMENTS	Council Priority:	Greeley Water: History, Heritage, Innovation , Your Home is Here
Project Type:	Sewer Replacement Collection	Regions:	3- 10 St South/23 Ave West , 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 #:	Unassigned
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.

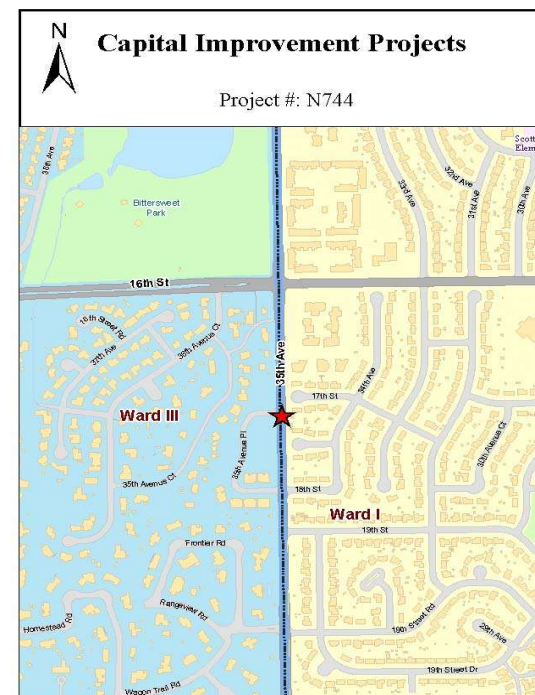
Discussion of Progress:

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.

GL Account	Description	Previous 3 Years	2021 Actual	2022 Revised Budget	2023	2024	2025	2026	2027	Grand Total
Revenue										
	Fund Balance	-	-	-	-	255,000	1,230,000	-	-	1,485,000
	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	-	-	-	-	15,000	20,000	-	-	35,000
	Total Expense	-	-	-	-	\$255,000	\$1,230,000	-	-	\$1,485,000
	Net Total	-	-	-	-	-	-	-	-	-



Balsam Ave & LS9 Capacity Assessment

Project Number:	N741	Budget Year:	2023
Division:	CAPITAL IMPROVEMENTS	Council Priority:	Greeley Water: History, Heritage, Innovation , Your Home is Here
Project Type:	Sewer Replacement Collection	Regions:	2- 16 St South/23 Ave East
Fund:	Sewer Capital Replacement	Location:	Balsam Ave & LS9
Project Manager:	John Goin	Budget Unit #:	Unassigned
Project Status:	Funded		

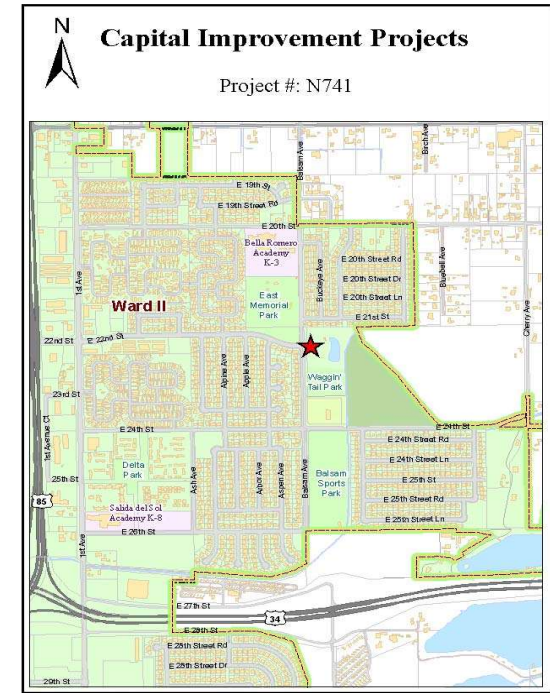
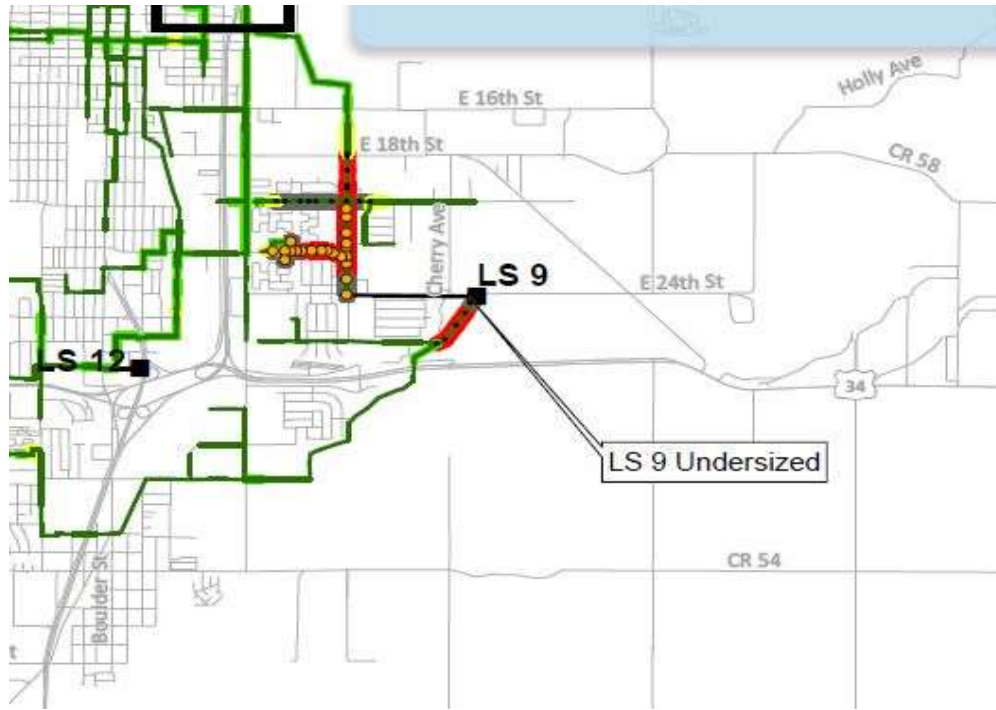
Description:

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.

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.

GL Account	Description	Previous 3 Years	2021 Actual	2022 Revised Budget	2023	2024	2025	2026	2027	Grand Total
Revenue										
	Fund Balance	-	-	-	-	-	120,000	-	-	120,000
	Total Revenue	-	-	-	-	-	\$120,000	-	-	\$120,000
Expense										
8204	Contingency	-	-	-	-	-	10,000	-	-	10,000
8229	Professional Services	-	-	-	-	-	100,000	-	-	100,000
8232	Project Management	-	-	-	-	-	10,000	-	-	10,000
	Total Expense	-	-	-	-	-	\$120,000	-	-	\$120,000
	Net Total	-	-	-	-	-	-	-	-	-



Central 16th Sewer Replacement

Project Number:	N742	Budget Year:	2023
Division:	CAPITAL IMPROVEMENTS	Council Priority:	Greeley Water: History, Heritage, Innovation , Your Home is Here
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 Goin	Budget Unit #:	Unassigned
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.

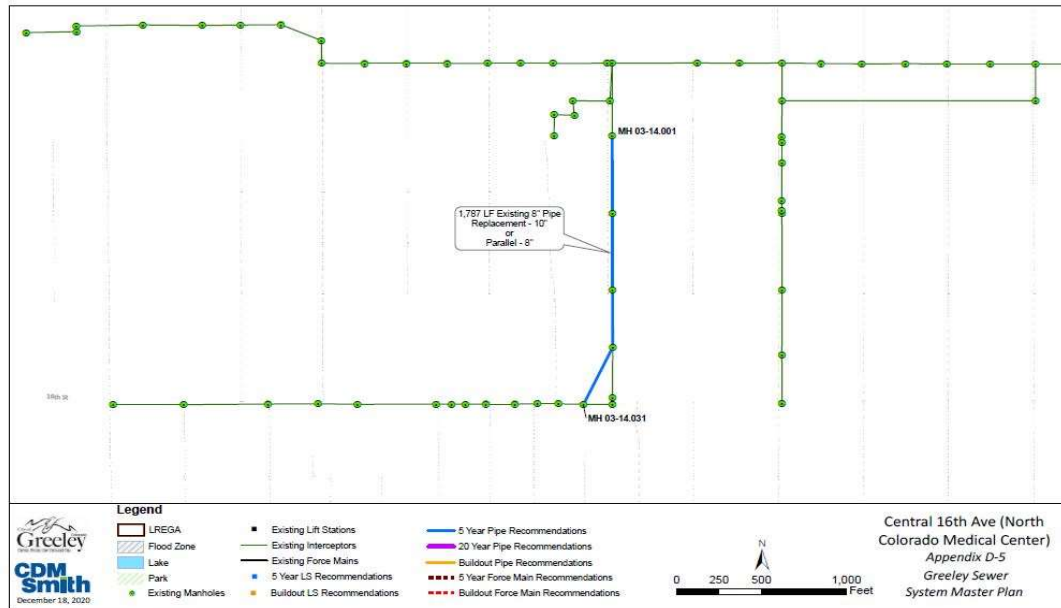
Discussion of Progress:

Scheduled to begin design in 2026 and construction in 2027

Justification:

Identified in sewer collection master plan.

GL Account	Description	Previous 3 Years	2021 Actual	2022 Revised Budget	2023	2024	2025	2026	2027	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	-	-	-	-	-	-	20,000	20,000	40,000
8235	Real Estate	-	-	-	-	-	-	5,000	-	5,000
	Total Expense	-	-	-	-	-	-	\$255,000	\$1,270,000	\$1,525,000
	Net Total	-	-	-	-	-	-	-	-	-



North Poudre RR Sewer Ph 1

Project Number:	N770	Budget Year:	2023
Division:	CAPITAL IMPROVEMENTS	Council Priority:	Greeley Water: History, Heritage, Innovation
Project Type:	Sewer Construction Collection	Regions:	4 - 10 St North/23 Ave West
Fund:	Sewer Capital Replacement	Location:	Poudre River
Project Manager:	John Goin	Budget Unit #:	Unassigned
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.

[illegible]

Lift Station 9

Project Number:	N768	Budget Year:	2023
Division:	CAPITAL IMPROVEMENTS	Council Priority:	Greeley Water: History, Heritage, Innovation , Your Home is Here
Project Type:	Sewer Construction Collection	Regions:	0 - All Wards
Fund:	Sewer Capital Replacement	Location:	TBD
Project Manager:	John Goin	Budget Unit #:	Unassigned
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.

GL Account	Description	Previous 3 Years	2021 Actual	2022 Revised Budget	2023	2024	2025	2026	2027	Future
Revenue										
	Fund Balance	-	-	-	-	-	-	1,600,000	4,855,000	5,865,000
	Total Revenue	-	-	-	-	-	-	\$1,600,000	\$4,855,000	\$5,865,000
Expense										
8202	Construction	-	-	-	-	-	-	-	3,500,000	4,500,000
8204	Contingency	-	-	-	-	-	-	-	1,000,000	1,000,000
8212	Land/Building Cost/Demolition	-	-	-	-	-	-	200,000	-	-
8226	Permits, Fees, Etc	-	-	-	-	-	-	30,000	-	-
8229	Professional Services	-	-	-	-	-	-	1,250,000	250,000	250,000
8232	Project Management	-	-	-	-	-	-	20,000	20,000	20,000
8235	Real Estate	-	-	-	-	-	-	100,000	-	-
8242	Utility Services	-	-	-	-	-	-	-	50,000	50,000
9303	Public Art Fund	-	-	-	-	-	-	-	35,000	45,000
	Total Expense	-	-	-	-	-	-	\$1,600,000	\$4,855,000	\$5,865,000
	Net Total	-	-	-	-	-	-	-	-	-

Sanitary Sewer Master Plan Update

Project Number:	413New2	Budget Year:	2023
Division:	CAPITAL IMPROVEMENTS	Council Priority:	
Project Type:	Sewer Replacement Collection	Regions:	
Fund:	Sewer Capital Replacement	Location:	Citywide
Project Manager:	John Goin	Budget Unit #:	Unassigned
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:

Maintain an up to date Master Plan for prioritizing capital improvements for the existing and expanding system.

GL Account	Description	Previous 3 Years	2021 Actual	2022 Revised Budget	2023	2024	2025	2026	2027	Grand Total
Revenue										
	Fund Balance	-	-	-	-	-	-	-	725,000	725,000
	Total Revenue	-	-	-	-	-	-	-	\$725,000	\$725,000
Expense										
8204	Contingency	-	-	-	-	-	-	-	50,000	50,000
8229	Professional Services	-	-	-	-	-	-	-	650,000	650,000
8232	Project Management	-	-	-	-	-	-	-	25,000	25,000
	Total Expense	-	-	-	-	-	-	-	\$725,000	\$725,000
	Net Total	-	-	-	-	-	-	-	-	-

Sewer Service Line Grouting

Project Number:	413New	Budget Year:	2023
Division:	CAPITAL IMPROVEMENTS	Council Priority:	
Project Type:	Sewer Replacement Collection	Regions:	
Fund:	Sewer Capital Replacement	Location:	Citywide.
Project Manager:	John Goin	Budget Unit #:	Unassigned
Project Status:	Funded		

Description:

Project consists of grouting sanitary service connections and laterals that connect to Cured-in-Place linings to alleviate Inflow and Infiltration in areas with high groundwater. Project will prevent groundwater infiltration around cut out sections of the lining required when reconnecting existing sanitary services.

Discussion of Progress:

Planned for 2023.

Justification:

Many CIPP-lined sewer mains have been rehabilitated, but through the process, I/I points are created where existing service lines are connected to the lining. These points contribute to I/I in areas of high groundwater, so grouting and sealing them will reduce I/I and decrease flows to WTRP and increase overall capacity.

[illegible]

WTRF Generator Replacement

Project Number:	11374	Budget Year:	2023
Division:	Wastewater Treatment	Council Priority:	Greeley Water: History, Heritage, Innovation , Your Home is Here
Project Type:	Sewer Replacement Treatment	Regions:	1- 16 St North/35 Ave East
Fund:	Sewer Capital Replacement	Location:	Wastewater Treatment and Reclamation Facility
Project Manager:	Cadee Oakleaf	Budget Unit #:	4131060402240000011374
Project Status:	Funded		

Description:

This project will provide a new backup generator for the Nitrification Phase 2 project. One of the existing generators will be moved to South Plant and the South Plant generator will be taken out of service. Having backup power supply is required by the State.

Discussion of Progress:

Project costs escalated steeply in 2022 and project will be ongoing in 2023.

Justification:

Backup power generation is a requirement of the State to keep the WTRF in operation during any power outages. The WTRF must be able to run during any situation. A new, larger backup generator will be installed on North Plant. One of the existing generators will be moved to South Plant to replace the generator there. Currently, it is not recommended to operate the South Plant generator due to its location in an electrically classified room.

GL Account	Description	Previous 3 Years	2021 Actual	2022 Revised Budget	2023	2024	2025	2026	2027	Grand Total
Revenue										
	Fund Balance	-	-	-	3,780,000	-	-	-	-	3,780,000
4787	Other	-	-	3,140,000	-	-	-	-	-	3,140,000
Total Revenue		-	-	\$3,140,000	\$3,780,000	-	-	-	-	\$6,920,000
Expense										
8202	Construction	-	-	3,000,000	3,500,000	-	-	-	-	6,500,000
8229	Professional Services	-	-	125,000	250,000	-	-	-	-	375,000
8232	Project Management	-	-	15,000	30,000	-	-	-	-	45,000
Total Expense		-	-	\$3,140,000	\$3,780,000	-	-	-	-	\$6,920,000
Net Total		-	-	-	-	-	-	-	-	-

General Rehabilitation Projects

Project Number:	11079	Budget Year:	2023
Division:	Wastewater Treatment	Council Priority:	Greeley Water: History, Heritage, Innovation , Operational Excellence , Your Home is Here
Project Type:	Sewer Replacement Treatment	Regions:	1- 16 St North/35 Ave East
Fund:	Sewer Capital Replacement	Location:	Wastewater Treatment and Reclamation Facility - 300 E 8th St
Project Manager:	Cadee Oakleaf	Budget Unit #:	4131060830070000011079
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.

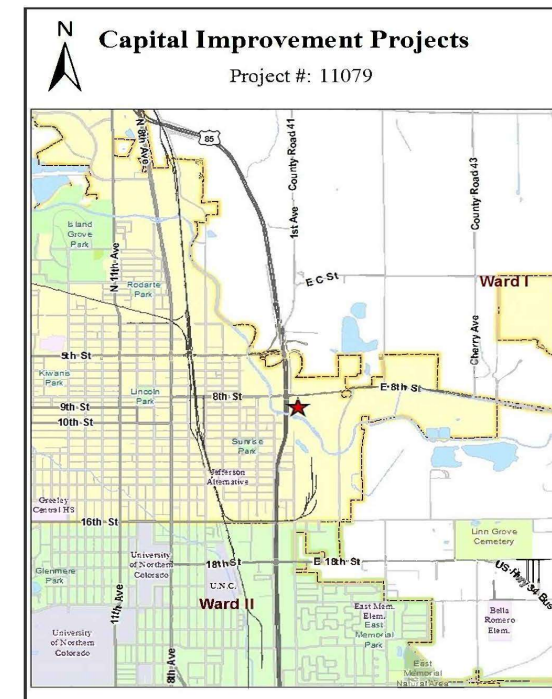
Discussion of Progress:

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.

GL Account	Description	Previous 3 Years	2021 Actual	2022 Revised Budget	2023	2024	2025	2026	2027	Grand Total
Revenue										
	Fund Balance	1,904,494	403,077	200	656,000	974,050	1,012,753	917,140	1,057,247	6,924,961
4787	Other	-	-	912,000	-	-	-	-	-	912,000
Total Revenue		\$1,904,494	\$403,077	\$912,200	\$656,000	\$974,050	\$1,012,753	\$917,140	\$1,057,247	\$7,836,961
Expense										
8202	Construction	655,540	59,349	400,000	50,000	50,000	275,000	350,000	250,000	2,089,890
8208	Furniture, Fixtures & Equipment	212,595	43,385	66,000	48,000	70,400	72,920	75,566	78,344	667,210
8216	Miscellaneous	40,193	375	200	-	-	-	-	-	40,767
8224	Operating Supplies	188,904	33,240	-	-	-	-	-	-	222,144
8229	Professional Services	246,045	74,606	163,000	188,000	334,150	350,608	362,388	594,507	2,313,303
8232	Project Management	59,888	6,167	25,000	25,000	25,000	25,000	25,000	25,000	216,056
8244	Capital Equipment >\$5,000	501,330	185,954	258,000	345,000	494,500	289,225	104,186	109,396	2,287,591
Total Expense		\$1,904,494	\$403,077	\$912,200	\$656,000	\$974,050	\$1,012,753	\$917,140	\$1,057,247	\$7,836,961
Net Total		-	-	-	-	-	-	-	-	-



WTRF Blower Replacement Phase 2

Project Number:	N599	Budget Year:	2023
Division:	Wastewater Treatment	Council Priority:	
Project Type:	Sewer Replacement Treatment	Regions:	1- 16 St North/35 Ave East
Fund:	Sewer Capital Replacement	Location:	Wastewater Treatment and Reclamation Facility - 300 E 8th St
Project Manager:	Cadee Oakleaf	Budget Unit #:	Unassigned
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.

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.

[illegible]

Instrumentation and Controls - Wastewater

Project Number:	11072	Budget Year:	2023
Division:	Wastewater Treatment	Council Priority:	Greeley Water: History, Heritage, Innovation , Your Home is Here
Project Type:	Sewer Replacement Treatment	Regions:	0 - All Wards
Fund:	Sewer Capital Replacement	Location:	Water Pollution and Control and Across the Sewer Collection System
Project Manager:	Mathew Finch	Budget Unit #:	4131060830060000011072
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.

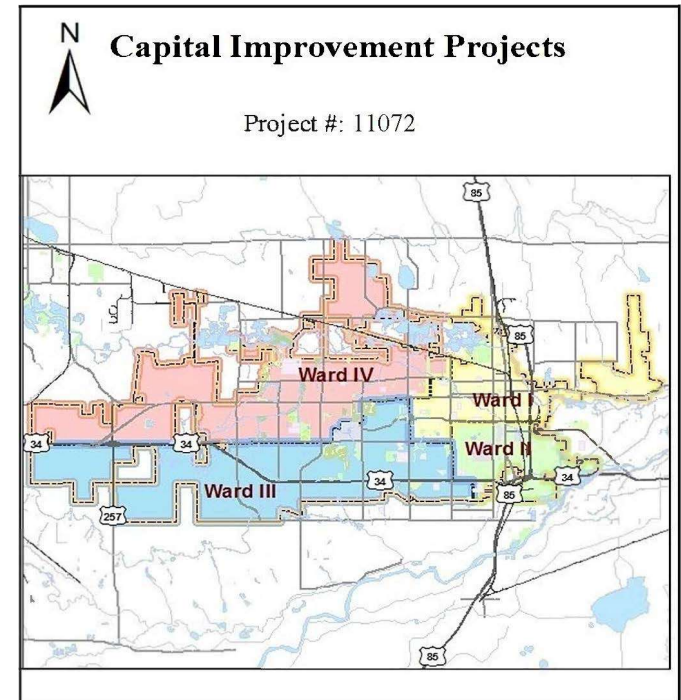
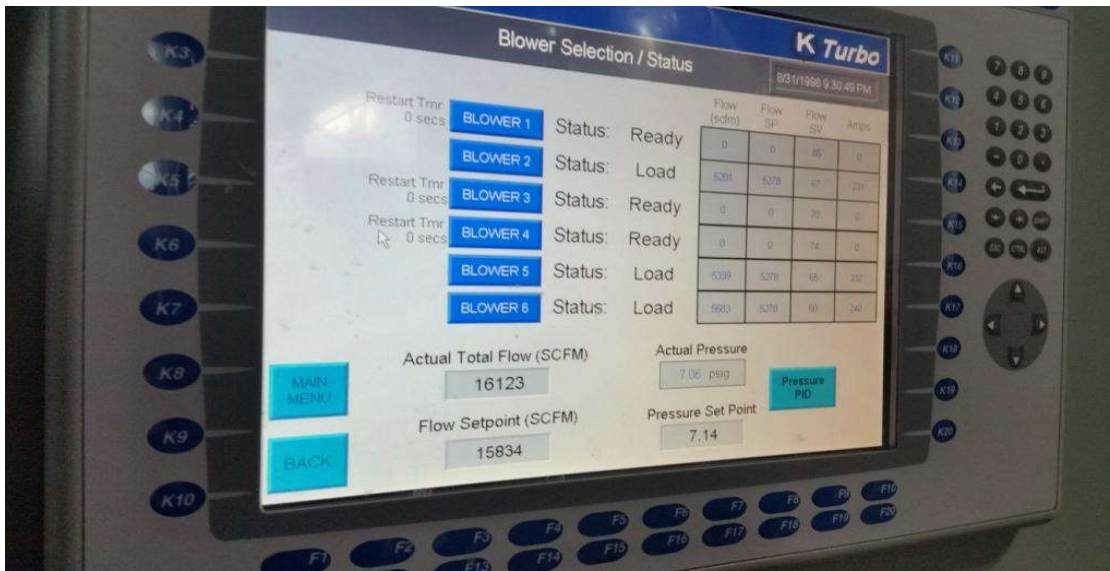
Discussion of Progress:

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.

GL Account	Description	Previous 3 Years	2021 Actual	2022 Revised Budget	2023	2024	2025	2026	2027	Grand Total
Revenue										
	Fund Balance	112,788	3,227	-	75,000	75,000	75,000	75,000	75,000	491,015
4787	Other	-	-	75,000	-	-	-	-	-	75,000
Total Revenue		\$112,788	\$3,227	\$75,000	\$75,000	\$75,000	\$75,000	\$75,000	\$75,000	\$566,015
Expense										
8208	Furniture, Fixtures & Equipment	5,264	-	5,000	5,000	5,000	5,000	5,000	5,000	35,264
8224	Operating Supplies	67,206	-	30,000	30,000	30,000	30,000	30,000	30,000	247,206
8229	Professional Services	35,896	3,228	20,000	20,000	20,000	20,000	20,000	20,000	159,124
8244	Capital Equipment >\$5,000	4,421	-1	20,000	20,000	20,000	20,000	20,000	20,000	124,420
Total Expense		\$112,788	\$3,227	\$75,000	\$75,000	\$75,000	\$75,000	\$75,000	\$75,000	\$566,015
Net Total		-	-	-	-	-	-	-	-	-



WTRF Stream Temperature Assessment

Project Number:	11082	Budget Year:	2023
Division:	Wastewater Treatment	Council Priority:	Greeley Water: History, Heritage, Innovation , Your Home is Here
Project Type:	Sewer Replacement Treatment	Regions:	1- 16 St North/35 Ave East
Fund:	Sewer Capital Replacement	Location:	300 E 8th St
Project Manager:	Cadee Oakleaf	Budget Unit #:	4131060830100000011082
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.

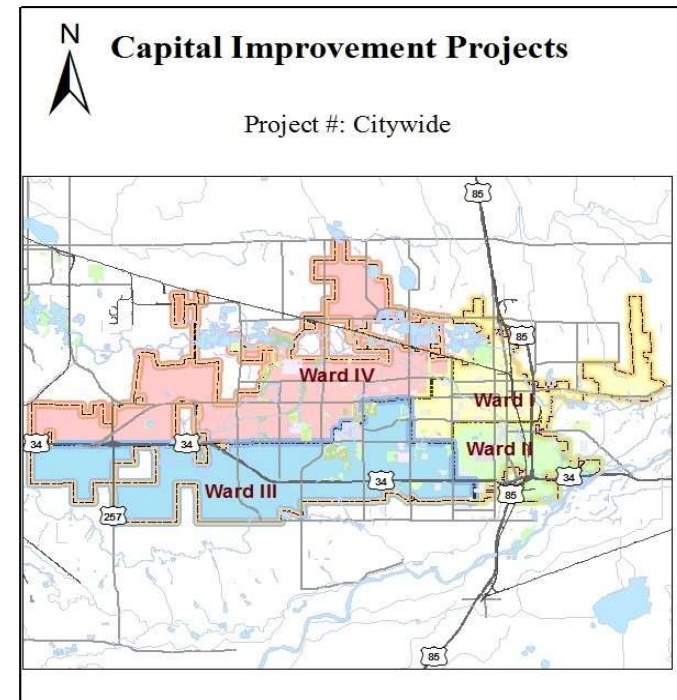
Discussion of Progress:

Work in 2021 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.

GL Account	Description	Previous 3 Years	2021 Actual	2022 Revised Budget	2023	2024	2025	2026	2027	Grand Total
Revenue										
	Fund Balance	174,595	15,781	-	52,000	52,000	52,000	102,000	52,000	500,376
4787	Other	-	-	60,000	-	-	-	-	-	60,000
Total Revenue		\$174,595	\$15,781	\$60,000	\$52,000	\$52,000	\$52,000	\$102,000	\$52,000	\$560,376
Expense										
8229	Professional Services	174,595	15,781	50,000	50,000	50,000	50,000	50,000	50,000	490,376
8232	Project Management	-	-	10,000	2,000	2,000	2,000	2,000	2,000	20,000
8244	Capital Equipment >\$5,000	-	-	-	-	-	-	50,000	-	50,000
Total Expense		\$174,595	\$15,781	\$60,000	\$52,000	\$52,000	\$52,000	\$102,000	\$52,000	\$560,376
Net Total		-	-	-	-	-	-	-	-	-



WTRF Primary Treatment Phase 2

Project Number:	11071	Budget Year:	2023
Division:	Wastewater Treatment	Council Priority:	Greeley Water: History, Heritage, Innovation , Your Home is Here
Project Type:	Sewer Replacement Treatment	Regions:	1- 16 St North/35 Ave East
Fund:	Sewer Capital Replacement	Location:	Wastewater Treatment and Reclamation Facility - 300 E 8th St
Project Manager:	Cadee Oakleaf	Budget Unit #:	4131060830000000011071
Project Status:	Funded		

Description:

The existing three primary clarifiers were build in the 1960's and 1980's. The next phase of plant improvements as identified in the 2018 Master Plan will address the most critical up front aspects of the treatment process. The project will include replacement of the existing; influent pumps and motors (with new pumps sized for future flow ranges), bar screens, grit chambers, headworks gates, primary clarifier mechanisms, and primary sludge and scum piping, valving, and pumps. This will include upgrades to the primary treatment electrical identified in the condition assessment.

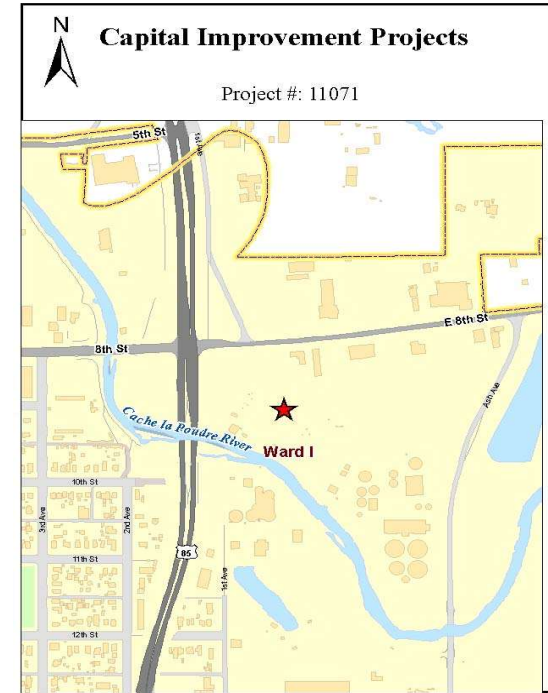
Discussion of Progress:

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.

GL Account	Description	Previous 3 Years	2021 Actual	2022 Revised Budget	2023	2024	2025	2026	2027	Grand Total
Revenue										
	Fund Balance	-	74,385	156,931	370,000	43,201,650	80,000	-	-	43,882,966
	Total Revenue	-	\$74,385	\$156,931	\$370,000	\$43,201,650	\$80,000	-	-	\$43,882,966
Expense										
8202	Construction	-	-	-	-	40,600,650	-	-	-	40,600,650
8216	Miscellaneous	-	-	-	-	1,000	-	-	-	1,000
8229	Professional Services	-	74,385	156,931	350,000	2,500,000	-	-	-	3,081,316
8232	Project Management	-	-	-	20,000	100,000	80,000	-	-	200,000
	Total Expense	-	\$74,385	\$156,931	\$370,000	\$43,201,650	\$80,000	-	-	\$43,882,966
	Net Total	-	-	-	-	-	-	-	-	-



WTRF Additional Cake Hopper

Project Number:	413New3	Budget Year:	2023
Division:	WASTEWATER TREATMENT	Council Priority:	
Project Type:		Regions:	
Fund:	Sewer Capital Replacement	Location:	WTRF 300 E 8TH STREET
Project Manager:	Cadee Oakleaf	Budget Unit #:	Unassigned
Project Status:	Funded		

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

GL Account	Description	Previous 3 Years	2021 Actual	2022 Revised Budget	2023	2024	2025	2026	2027	Grand Total
Revenue										
	Fund Balance	-	-	-	-	2,364,000	-	-	-	2,364,000
	Total Revenue	-	-	-	-	\$2,364,000	-	-	-	\$2,364,000
Expense										
8202	Construction	-	-	-	-	2,332,000	-	-	-	2,332,000
8229	Professional Services	-	-	-	-	20,000	-	-	-	20,000
8232	Project Management	-	-	-	-	12,000	-	-	-	12,000
	Total Expense	-	-	-	-	\$2,364,000	-	-	-	\$2,364,000
	Net Total	-	-	-	-	-	-	-	-	-

WTRF Cake Pump Replacement

Project Number:	413New4	Budget Year:	2023
Division:	WASTEWATER TREATMENT	Council Priority:	
Project Type:		Regions:	
Fund:	Sewer Capital Replacement	Location:	
Project Manager:	Cadee Oakleaf	Budget Unit #:	Unassigned
Project Status:	Funded		

Description:

This project will replace one of the two existing cake pumps at the WTRF.

Discussion of Progress:

Project has been identified due to age and condition of existing cake pump.

Justification:

The pump is past its expected lifespan and is in need of replacement. A replacement pump is recommended to ensure proper transfer of dewatered solids to the cake hopper.

GL Account	Description	Previous 3 Years	2021 Actual	2022 Revised Budget	2023	2024	2025	2026	2027	Grand Total
Revenue										
	Fund Balance	-	-	-	-	-	157,500	-	-	157,500
	Total Revenue	-	-	-	-	-	\$157,500	-	-	\$157,500
Expense										
8229	Professional Services	-	-	-	-	-	50,000	-	-	50,000
8232	Project Management	-	-	-	-	-	7,500	-	-	7,500
8244	Capital Equipment >\$5,000	-	-	-	-	-	100,000	-	-	100,000
	Total Expense	-	-	-	-	-	\$157,500	-	-	\$157,500
	Net Total	-	-	-	-	-	-	-	-	-

Secondary Clarifier Upgrades

Project Number:	413New6	Budget Year:	2023
Division:	WASTEWATER TREATMENT	Council Priority:	
Project Type:	Sewer Replacement Treatment	Regions:	
Fund:	Sewer Capital Replacement	Location:	WTRF 300 E. 8th Street
Project Manager:	Cadee Oakleaf	Budget Unit #:	Unassigned
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:

Planning 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.

GL Account	Description	Previous 3 Years	2021 Actual	2022 Revised Budget	2023	2024	2025	2026	2027	Grand Total
Revenue										
	Fund Balance	-	-	-	-	-	-	365,000	4,110,000	4,475,000
	Total Revenue	-	-	-	-	-	-	\$365,000	\$4,110,000	\$4,475,000
Expense										
8202	Construction	-	-	-	-	-	-	-	4,000,000	4,000,000
8226	Permits, Fees, Etc	-	-	-	-	-	-	40,000	-	40,000
8229	Professional Services	-	-	-	-	-	-	300,000	85,000	385,000
8232	Project Management	-	-	-	-	-	-	25,000	25,000	50,000
	Total Expense	-	-	-	-	-	-	\$365,000	\$4,110,000	\$4,475,000
	Net Total	-	-	-	-	-	-	-	-	-

Secondary Digesters Rehabilitation

Project Number:	413New5	Budget Year:	2023
Division:	WASTEWATER TREATMENT	Council Priority:	
Project Type:		Regions:	
Fund:	Sewer Capital Replacement	Location:	
Project Manager:	Cadee Oakleaf	Budget Unit #:	Unassigned
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.

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

GL Account	Description	Previous 3 Years	2021 Actual	2022 Revised Budget	2023	2024	2025	2026	2027	Grand Total
Revenue										
	Fund Balance	-	-	-	145,000	351,000	2,095,000	-	-	2,591,000
	Total Revenue	-	-	-	\$145,000	\$351,000	\$2,095,000	-	-	\$2,591,000
Expense										
8202	Construction	-	-	-	-	-	2,000,000	-	-	2,000,000
8226	Permits, Fees, Etc	-	-	-	-	31,000	-	-	-	31,000
8229	Professional Services	-	-	-	125,000	300,000	75,000	-	-	500,000
8232	Project Management	-	-	-	20,000	20,000	20,000	-	-	60,000
	Total Expense	-	-	-	\$145,000	\$351,000	\$2,095,000	-	-	\$2,591,000
	Net Total	-	-	-	-	-	-	-	-	-

Utility Billing Replacement-Sewer

Project Number:	11073	Budget Year:	2023
Division:	Sewer General Management	Council Priority:	Greeley Water: History, Heritage, Innovation , Your Home is Here
Project Type:	Sewer Replacement Studies	Regions:	0 - All Wards
Fund:	Sewer Capital Replacement	Location:	Citywide
Project Manager:	Erik Dial	Budget Unit #:	413106080000000011073
Project Status:	Funded		

Description:

The current Utility Billing software is at its end of life. It will be replaced with a new system that will enhance customer service and reporting capabilities. Greeley had shortlisted 3 vendor solutions in early 2020. The vendors provided their pricing with their solutions and the budget numbers are based off of their proposals. Because the project was postponed, some inflation is assumed.


Discussion of Progress:

Greeley had shortlisted 3 vendor solutions in early 2020. The vendors provided their pricing with their solutions and the budget numbers are based off of their proposals. Because the project was postponed, some inflation is assumed.

Justification:

The current Utility Billing software will only be supported for 2-3 more years. A new system is needed. This will be funded by the Water, Sewer, and Stormwater funds.

GL Account	Description	Previous 3 Years	2021 Actual	2022 Revised Budget	2023	2024	2025	2026	2027	Grand Total
Revenue										
	Fund Balance	29,678	-	-	1,200,000	-	-	-	-	604,678
4787	Other	-	-	625,000	-	-	-	-	-	625,000
Total Revenue		\$29,678	-	\$625,000	\$1,200,000	-	-	-	-	\$1,229,678
Expense										
8229	Professional Services	29,678	-	-	1,200,000	-	-	-	-	1,229,678
Total Expense		\$29,678	-	-	\$1,200,000	-	-	-	-	\$1,229,678
Net Total		-	-	\$625,000	-	-	-	-	-	-



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: **222-222222-22**

Service: **2000 GREELEY AVENUE CT**

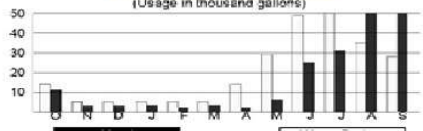
Location: **Persons in Household: 4 Irrigable Area: 7799**

METER INFORMATION

Meter ID	Date	Curr Read	Date	Prev Read	Usage
97403425U	09/28	750	08/28	700	50

CONSUMPTION HISTORY

(Usage in thousand gallons)



Legend: Used Water Budget

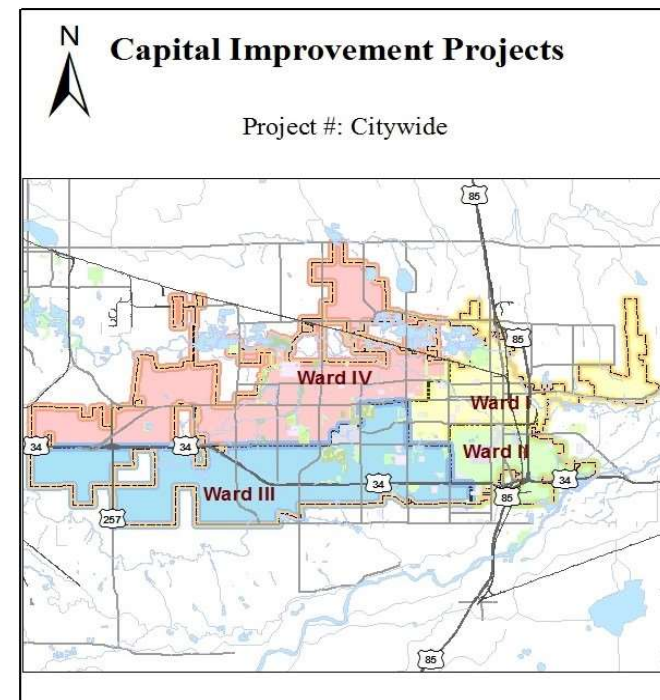
WATER CHARGES

BUDGET:	Indoor	7	Outdoor	2%	Total	28
RESIDENTIAL WATER						
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					\$11.63	

BILLING SUMMARY

Payments	\$165.74
Est Fwd	\$10.74
RESIDENTIAL WATER	\$262.29
RESIDENTIAL SEWER	\$15.72
STORMWATER	\$11.09

CURRENT CHARGES	\$289.10
TOTAL DUE ON 10/18/17	\$299.84



Capital Outlay Replacement - Sewer

Project Number:	11076	Budget Year:	2023
Division:	Sewer General Management	Council Priority:	Greeley Water: History, Heritage, Innovation , Your Home is Here
Project Type:	Sewer Replacement Studies	Regions:	0 - All Wards
Fund:	Sewer Capital Replacement	Location:	Citywide
Project Manager:	Erik Dial	Budget Unit #:	4131060105000000011076
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.

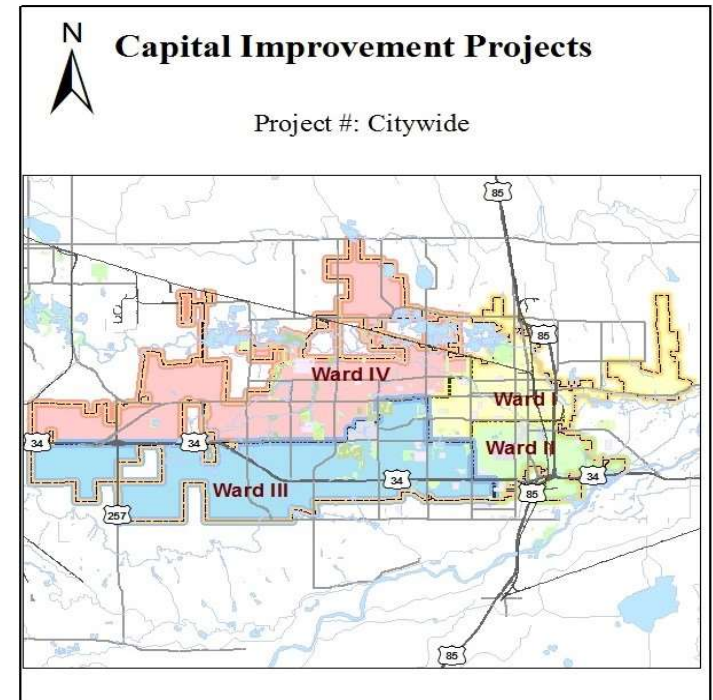
Discussion of Progress:

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.

GL Account	Description	Previous 3 Years	2021 Actual	2022 Revised Budget	2023	2024	2025	2026	2027	Grand Total
Revenue										
	Fund Balance	39,275	-	-	388,424	556,141	1,048,147	170,307	58,024	2,260,318
4787	Other	-	-	214,648	-	-	-	-	-	214,648
5801	Sales Of Fixed Assets	-14,875	-	-	-	-	-	-	-	-14,875
Total Revenue		\$24,400	-	\$214,648	\$388,424	\$556,141	\$1,048,147	\$170,307	\$58,024	\$2,460,091
Expense										
8142	Construction and Maintenance	-	-	-	-	457,320	868,850	-	-	1,326,170
8144	Transportation/Vehicles	-	-	147,048	338,424	48,821	129,297	120,307	58,024	841,921
8149	Other	4,167	-	67,600	50,000	50,000	50,000	50,000	-	271,767
8232	Project Management	20,233	-	-	-	-	-	-	-	20,233
Total Expense		\$24,400	-	\$214,648	\$388,424	\$556,141	\$1,048,147	\$170,307	\$58,024	\$2,460,091
Net Total		-	-	-	-	-	-	-	-	-



WTRF Master Plan Updates

Project Number:	N670	Budget Year:	2023
Division:	Sewer Capital Improvement	Council Priority:	Greeley Water: History, Heritage, Innovation , Your Home is Here
Project Type:	Sewer Replacement Studies	Regions:	1- 16 St North/35 Ave East
Fund:	Sewer Capital Replacement	Location:	WTRF
Project Manager:	Cadee Oakleaf	Budget Unit #:	Unassigned
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.

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.

GL Account	Description	Previous 3 Years	2021 Actual	2022 Revised Budget	2023	2024	2025	2026	2027	Grand Total
Revenue										
	Fund Balance	-	-	-	-	-	-	715,000	-	715,000
	Total Revenue	-	-	-	-	-	-	\$715,000	-	\$715,000
Expense										
8229	Professional Services	-	-	-	-	-	-	675,000	-	675,000
8232	Project Management	-	-	-	-	-	-	40,000	-	40,000
	Total Expense	-	-	-	-	-	-	\$715,000	-	\$715,000
	Net Total	-	-	-	-	-	-	-	-	-

