



Water and Sewer Capital Program 2022 – 2026



Fund 422

Water New Construction

Windy Gap Firing

Project Number:	11088	Budget Year:	2023
Division:	Treatment and Supply	Council Priority:	Greeley Water: History, Heritage, Innovation , Your Home is Here
Project Type:	Water Construction Supply	Regions:	5- Outside City
Fund:	Water Construction	Location:	Proposed Chimney Hollow Reservoir near Carter Lake
Project Manager:	Jennifer Petrzelka	Budget Unit #:	4221060880070000011088
Project Status:	Funded		

Description:

The project will fund the Northern Water's Windy Gap Firing 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:

The final EIS and 404 cert has been received. A federal court case which was holding up construction has been resolved and pre-construction efforts have began as of June 2021 to secure additional approvals and close on the financial agreement required between Northern and all the participants.

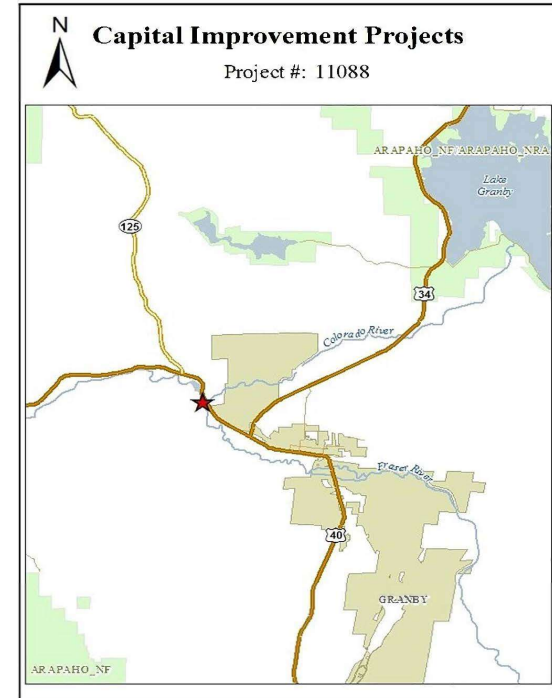
Justification:

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 Firing project is proposed to improve the yield of water deliveries from the existing Windy Gap project to participating Windy Gap owners.

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.

GL Account	Description	Previous 3 Years	2021 Actual	2022 Revised Budget	2023	2024	2025	2026	2027	Grand Total
Revenue										
	Fund Balance	2,146,550	714,720	-	515,000	-	515,000	-	-	3,891,270
4611	Plant Investment Fees	-	-	515,000	-	-	-	-	-	515,000
	Total Revenue	\$2,146,550	\$714,720	\$515,000	\$515,000	-	\$515,000	-	-	\$4,406,270
Expense										
8229	Professional Services	2,146,550	714,720	515,000	515,000	-	515,000	-	-	4,406,270
	Total Expense	\$2,146,550	\$714,720	\$515,000	\$515,000	-	\$515,000	-	-	\$4,406,270
	Net Total	-	-	-	-	-	-	-	-	-



Terry Ranch Water Development

Project Number:	11086	Budget Year:	2023
Division:	Water Capital Improvement	Council Priority:	Greeley Water: History, Heritage, Innovation , Your Home is Here
Project Type:	Water Construction Supply	Regions:	5- Outside City
Fund:	Water Construction	Location:	Carr, CO
Project Manager:	Peter Champion	Budget Unit #:	4221060880070000011086
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:

First phase is continuing with funds made available in 2021-2022, but future phases are being indefinitely delayed because of budget constraints.

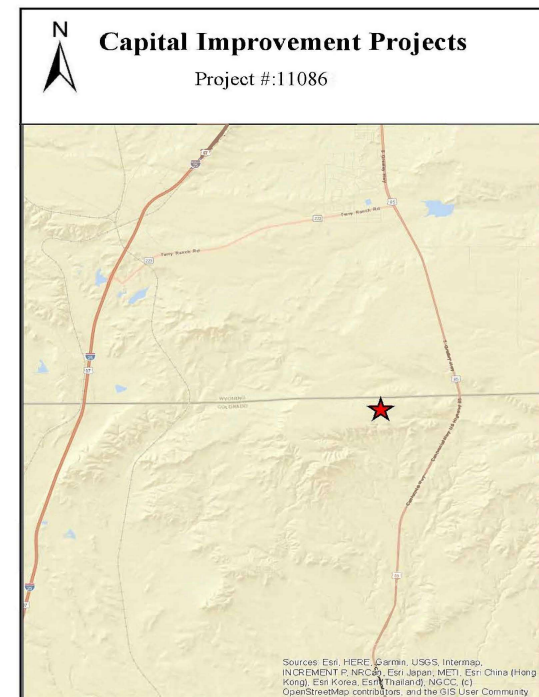
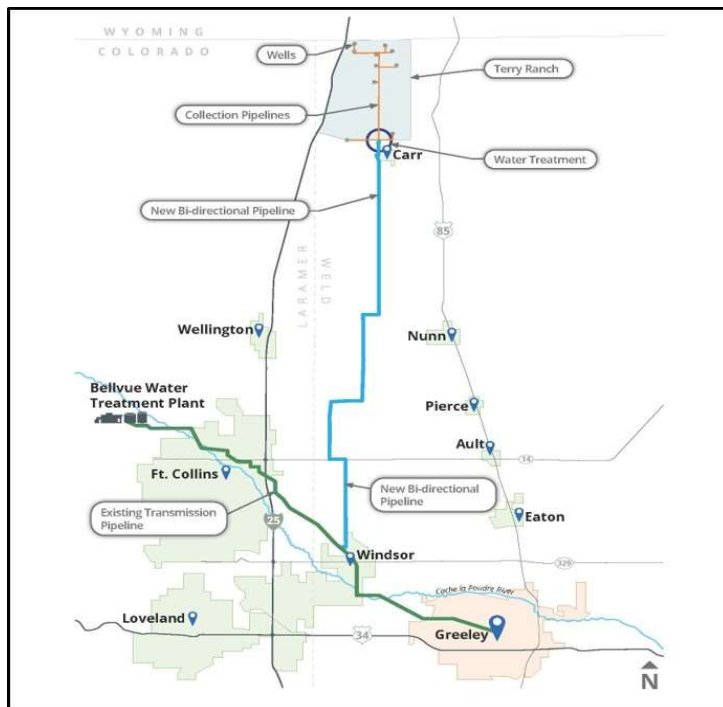
Justification:

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.

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.

GL Account	Description	Previous 3 Years	2021 Actual	2022 Revised Budget	2023	2024	2025	2026	2027	Grand Total
Revenue										
	Fund Balance	3,561,967	1,553,215	-	-	-	-	-	-	5,115,182
5788	Other Private Contribution	-	-	19,880,000	-	-	-	-	-	19,880,000
5902	Bond Proceeds	-	-	16,635,000	-	-	-	-	-	16,635,000
Total Revenue		\$3,561,967	\$1,553,215	\$36,515,000	-	-	-	-	-	\$41,630,182
Expense										
8202	Construction	-	-	34,000,000	-	-	-	-	-	34,000,000
8204	Contingency	-	-	1,500,000	-	-	-	-	-	1,500,000
8212	Land/Building Cost/Demolition	17,600	-	-	-	-	-	-	-	17,600
8224	Operating Supplies	-	7,108	-	-	-	-	-	-	7,108
8226	Permits, Fees, Etc	-	54,560	100,000	-	-	-	-	-	154,560
8229	Professional Services	3,540,867	1,486,747	500,000	-	-	-	-	-	5,527,614
8232	Project Management	-	-	75,000	-	-	-	-	-	75,000
8233	Project Management - Benefits	3,500	4,800	-	-	-	-	-	-	8,300
9303	Public Art Fund	-	-	340,000	-	-	-	-	-	340,000
Total Expense		\$3,561,967	\$1,553,215	\$36,515,000	-	-	-	-	-	\$41,630,182
Net Total		-	-	-	-	-	-	-	-	-



Non-Potable Expansion Project

Project Number:	11085	Budget Year:	2023
Division:	Water Capital Improvement	Council Priority:	Greeley Water: History, Heritage, Innovation , Your Home is Here
Project Type:	Water Construction Supply	Regions:	0 - All Wards
Fund:	Water Construction	Location:	Citywide
Project Manager:	Ryan Duve	Budget Unit #:	4221060860050000011085
Project Status:	Funded		

Description:

This item funds non-potable system conversions as well as new non-potable investments needed to serve new developments. The budget reflects 1 new conversion each year and 1 new development project. If the base budget is insufficient in a given year to meet development opportunities, a supplemental budget request will be submitted to Finance to make-up the funding gap.

Discussion of Progress:

2022 projects are on schedule to be completed in 2022 or Q1 of 2023.

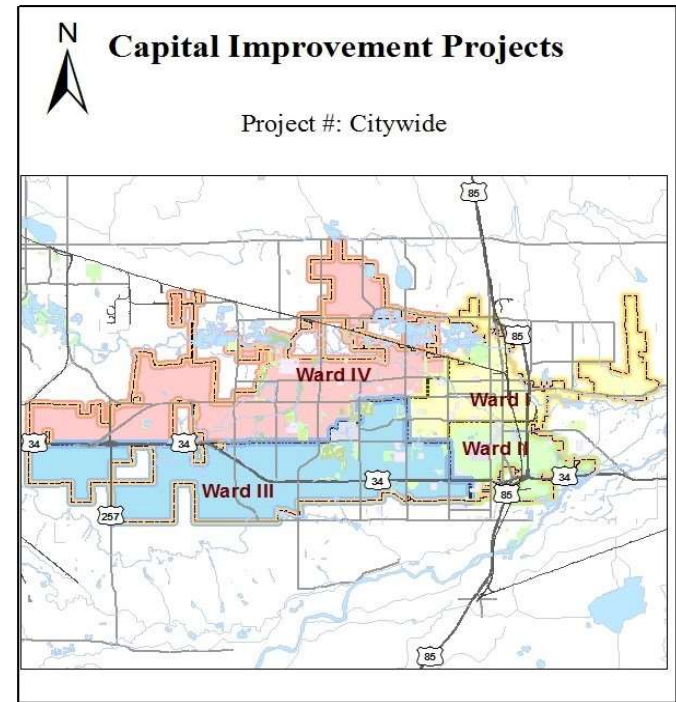
Justification:

Expanding the City's non-potable system has been identified as a critical to meeting Greeley's future water demands. Funding this item provides funds to implement backbone transmission and storage infrastructure for the non-potable system.

Impact on Operating Budget:

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

GL Account	Description	Previous 3 Years	2021 Actual	2022 Revised Budget	2023	2024	2025	2026	2027	Grand Total
Revenue										
	Fund Balance	10,000	123,054	-	3,830,000	2,771,000	2,709,000	2,268,000	3,538,000	15,249,054
4611	Plant Investment Fees	-	-	4,854,000	-	-	-	-	-	4,854,000
5902	Bond Proceeds	-	-	197,000	-	-	-	-	-	197,000
Total Revenue		\$10,000	\$123,054	\$5,051,000	\$3,830,000	\$2,771,000	\$2,709,000	\$2,268,000	\$3,538,000	\$20,300,054
Expense										
8202	Construction	-	120,304	4,100,000	2,788,000	2,078,000	1,969,000	1,740,000	2,434,000	15,229,304
8204	Contingency	-	-	410,000	416,000	285,000	296,000	173,000	550,000	2,130,000
8229	Professional Services	-	2,750	500,000	476,000	292,000	340,000	287,000	447,000	2,344,750
8232	Project Management	-	-	-	75,000	51,000	50,000	50,000	83,000	309,000
8235	Real Estate	-	-	-	-	17,000	-	-	-	17,000
8242	Utility Services	-	-	-	46,000	26,000	33,000	-	-	105,000
9303	Public Art Fund	10,000	-	41,000	29,000	22,000	21,000	18,000	24,000	165,000
Total Expense		\$10,000	\$123,054	\$5,051,000	\$3,830,000	\$2,771,000	\$2,709,000	\$2,268,000	\$3,538,000	\$20,300,054
Net Total		-	-	-	-	-	-	-	-	-



Poudre Ponds Redevelopment Pond C

Project Number:	N739	Budget Year:	2023
Division:	CAPITAL IMPROVEMENTS	Council Priority:	Greeley Water: History, Heritage, Innovation , Your Home is Here
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 #:	2023*
Project Status:	Funded		

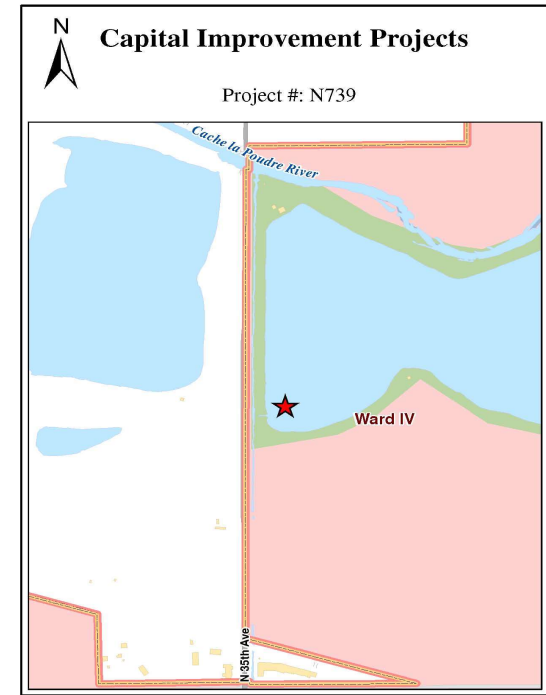
Description:

Mining is ongoing in Pond C and is expected to be completed in the next 2 years. Once the mining is complete, the site will be filled, graded and reseeded to enhance the natural resource benefits for the site and be released from the Colorado Division of Reclamation, Mining and Safety mining permit.

Justification:

This project is for filling Pond C and seeding to be released from the DRMS mining permit. Project 11232 Development to Parcel C Poudre Ponds is to establish wetlands/natural area amenity after this project is completed.

GL Account	Description	Previous 3 Years	2021 Actual	2022 Revised Budget	2023	2024	2025	2026	2027	Grand Total
Revenue										
5902	Bond Proceeds	-	-	-	-	-	203,140	4,430,400	-	4,633,540
Total Revenue		-	-	-	-	-	\$203,140	\$4,430,400	-	\$4,633,540
Expense										
8202	Construction	-	-	-	-	-	-	3,924,800	-	3,924,800
8204	Contingency	-	-	-	-	-	-	392,480	-	392,480
8229	Professional Services	-	-	-	-	-	196,240	98,120	-	294,360
8232	Project Management	-	-	-	-	-	6,900	15,000	-	21,900
Total Expense		-	-	-	-	-	\$203,140	\$4,430,400	-	\$4,633,540
Net Total		-	-	-	-	-	-	-	-	-



Ogilvy Bypass Structure

Project Number:	422New	Budget Year:	2023
Division:	CAPITAL IMPROVEMENTS	Council Priority:	
Project Type:	Water Construction Supply	Regions:	
Fund:	Water Construction	Location:	40.42275787419099, -104.67016300266398
Project Manager:	Alex Tennant	Budget Unit #:	Unassigned
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:

We are working to hire Ditesco to help with design on the different alternatives so we can pick the best option and start design in 2023.

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.

GL Account	Description	Previous 3 Years	2021 Actual	2022 Revised Budget	2023	2024	2025	2026	2027	Grand Total
Revenue										
	Fund Balance	-	-	-	200,000	-	-	-	-	200,000
	Total Revenue	-	-	-	\$200,000	-	-	-	-	\$200,000
Expense										
8202	Construction	-	-	-	150,000	-	-	-	-	150,000
8229	Professional Services	-	-	-	50,000	-	-	-	-	50,000
	Total Expense	-	-	-	\$200,000	-	-	-	-	\$200,000
	Net Total	-	-	-	-	-	-	-	-	-

Residuals Gravity Thickener - Bellvue

Project Number:	A289	Budget Year:	2023
Division:	Treatment and Supply	Council Priority:	Greeley Water: History, Heritage, Innovation , Your Home is Here
Project Type:	Water Construction Treatment	Regions:	5- Outside City
Fund:	Water Construction	Location:	Bellvue Filter Plant
Project Manager:	Peter Champion	Budget Unit #:	4221060880050000000000
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.

GL Account	Description	Previous 3 Years	2021 Actual	2022 Revised Budget	2023	2024	2025	2026	2027	Future
Revenue										
	Fund Balance	-	282,682	-	-	-	-	-	1,260,000	6,847,000
	Total Revenue	-	\$282,682	-	-	-	-	-	\$1,260,000	\$6,847,000
Expense										
8202	Construction	-	223,461	-	-	-	-	-	-	6,200,000
8204	Contingency	-	18,309	-	-	-	-	-	-	500,000
8212	Land/Building Cost/Demolition	-	29,760	-	-	-	-	-	-	-
8216	Miscellaneous	-	-	-	-	-	-	-	-	10,000
8229	Professional Services	-	165	-	-	-	-	-	1,250,000	50,000
8232	Project Management	-	10,987	-	-	-	-	-	10,000	25,000
9303	Public Art Fund	-	-	-	-	-	-	-	-	62,000
	Total Expense	-	\$282,682	-	-	-	-	-	\$1,260,000	\$6,847,000
	Net Total	-	-	-	-	-	-	-	-	-

Bellvue Two Million Gallon Clearwell

Project Number:	N39	Budget Year:	2023
Division:	Treatment and Supply	Council Priority:	Greeley Water: History, Heritage, Innovation , Your Home is Here
Project Type:	Water Construction Treatment	Regions:	5- Outside City
Fund:	Water Construction	Location:	Bellvue Filter Plant
Project Manager:	Peter Champion	Budget Unit #:	Unassigned
Project Status:	Funded		

Description:

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

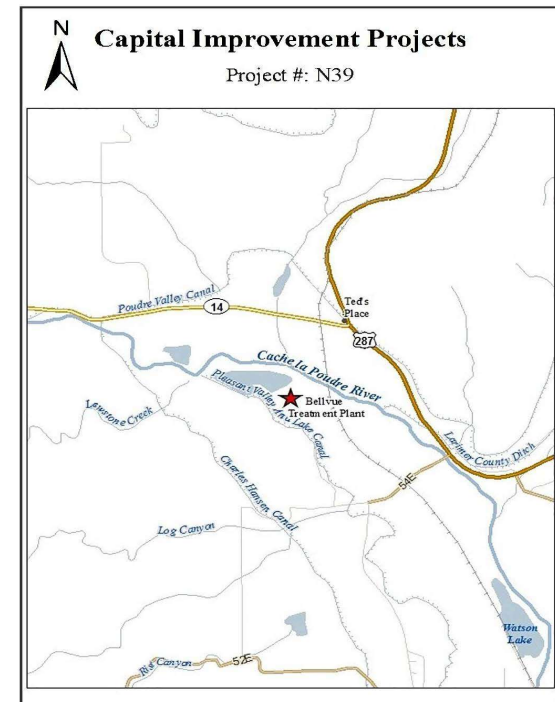
Discussion of Progress:

This project is scheduled for design in 2023 with construction in 2024 and 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.

GL Account	Description	Previous 3 Years	2021 Actual	2022 Revised Budget	2023	2024	2025	2026	2027	Grand Total
Revenue										
	Fund Balance	-	-	-	750,000	757,500	5,055,000	-	-	6,562,500
	Total 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	-	-	-	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	-	-	-	-	-	-	-	-	-



O St & 59th Roundabout Waterline

Project Number:	11380	Budget Year:	2023
Division:	CAPITAL IMPROVEMENTS	Council Priority:	Greeley Water: History, Heritage, Innovation , Your Home is Here
Project Type:	Water Construction Transmission & Distribution	Regions:	4 - 10 St North/23 Ave West
Fund:	Water Construction	Location:	F St & 47th Ave, Greeley CO 80631
Project Manager:	Dan Moore	Budget Unit #:	4221060400540000011380
Project Status:	Funded		

Description:

Install two new 20" waterlines prior to construction of the new roundabout intersection at 59th Ave. This project also includes a bore under the railroad. Installing this pipeline now will avoid expensive pavement replacement and traffic disruption in the future. This piping was identified in the Water Distribution MP for service in North Greeley. This pipe will replace undersized piping from North Weld water district.

GL Account	Description	Previous 3 Years	2021 Actual	2022 Revised Budget	2023	2024	2025	2026	2027	Grand Total
Revenue										
	Fund Balance	-	-	-	1,108,374	-	-	-	-	1,108,374
4611	Plant Investment Fees	-	-	629,000	-	-	-	-	-	629,000
	Total Revenue	-	-	\$629,000	\$1,108,374	-	-	-	-	\$1,737,374
Expense										
8202	Construction	-	-	450,000	907,219	-	-	-	-	1,357,219
8204	Contingency	-	-	110,000	136,083	-	-	-	-	246,083
8226	Permits, Fees, Etc	-	-	35,000	15,000	-	-	-	-	50,000
8229	Professional Services	-	-	25,000	35,000	-	-	-	-	60,000
8232	Project Management	-	-	4,000	6,000	-	-	-	-	10,000
9303	Public Art Fund	-	-	5,000	9,072	-	-	-	-	14,072
	Total Expense	-	-	\$629,000	\$1,108,374	-	-	-	-	\$1,737,374
	Net Total	-	-	-	-	-	-	-	-	-

F St & 47th Ave Waterlines

Project Number:	11377	Budget Year:	2023
Division:	CAPITAL IMPROVEMENTS	Council Priority:	Greeley Water: History, Heritage, Innovation , Your Home is Here
Project Type:	Water Construction Transmission & Distribution	Regions:	4 - 10 St North/23 Ave West
Fund:	Water Construction	Location:	F St & 47th Ave, Greeley CO 80631
Project Manager:	Dan Moore	Budget Unit #:	4221060400530000011377
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.

Discussion of Progress:

Design will start in 2023 with construction in 2024.

Justification:

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

GL Account	Description	Previous 3 Years	2021 Actual	2022 Revised Budget	2023	2024	2025	2026	2027	Grand Total
Revenue										
	Fund Balance	-	-	-	590,000	4,160,081	-	-	-	4,750,081
4611	Plant Investment Fees	-	-	590,000	-	-	-	-	-	590,000
	Total Revenue	-	-	\$590,000	\$590,000	\$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	-	-	150,000	150,000	-	-	-	-	300,000
8226	Permits, Fees, Etc	-	-	50,000	50,000	-	-	-	-	100,000
8229	Professional Services	-	-	370,000	370,000	300,000	-	-	-	1,040,000
8232	Project Management	-	-	15,000	15,000	25,000	-	-	-	55,000
8235	Real Estate	-	-	5,000	5,000	-	-	-	-	10,000
9303	Public Art Fund	-	-	-	-	35,001	-	-	-	35,001
	Total Expense	-	-	\$590,000	\$590,000	\$4,160,081	-	-	-	\$5,340,081
	Net Total	-	-	-	-	-	-	-	-	-

Distribution Line Extension & Oversizing

Project Number:	11087	Budget Year:	2023
Division:	Transmission/Distribution	Council Priority:	Greeley Water: History, Heritage, Innovation , Your Home is Here
Project Type:	Water Construction Transmission & Distribution	Regions:	0 - All Wards
Fund:	Water Construction	Location:	Citywide
Project Manager:	Dan Moore	Budget Unit #:	4221060880010000011087
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.

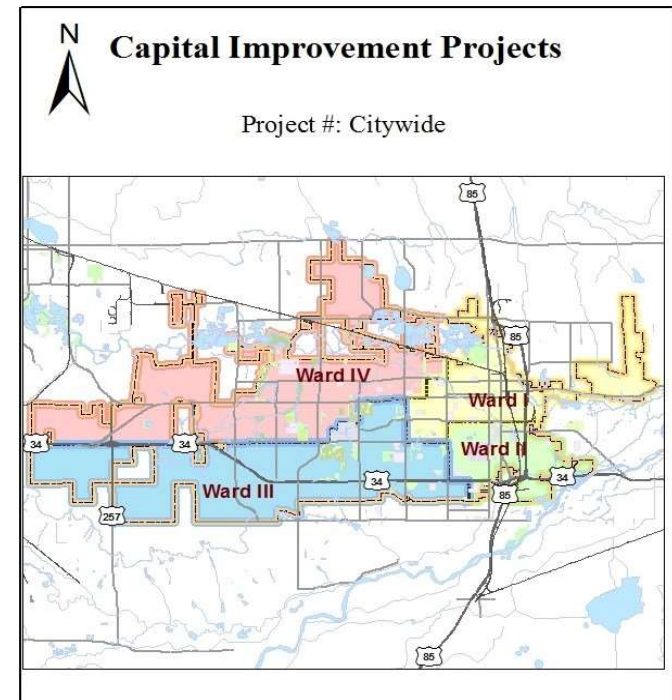
Impact on Operating Budget:

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

GL Account	Description	Previous 3 Years	2021 Actual	2022 Revised Budget	2023	2024	2025	2026	2027	Grand Total
Revenue										
	Fund Balance	515,117	78,467	-	154,210	161,280	161,280	163,300	165,320	1,398,974
4611	Plant Investment Fees	-	-	147,200	-	-	-	-	-	147,200
Total Revenue		\$515,117	\$78,467	\$147,200	\$154,210	\$161,280	\$161,280	\$163,300	\$165,320	\$1,546,174

Expense

8202	Construction	465,382	-	114,000	121,000	128,000	128,000	130,000	132,000	1,218,382
8208	Furniture, Fixtures & Equipment	647	-	-	-	-	-	-	-	647
8212	Land/Building Cost/Demolition	752	-	-	-	-	-	-	-	752
8224	Operating Supplies	33,709	-	6,000	6,000	6,000	6,000	6,000	6,000	69,709
8229	Professional Services	-	78,467	25,000	25,000	25,000	25,000	25,000	25,000	228,467
8232	Project Management	11,978	-	1,000	1,000	1,000	1,000	1,000	1,000	17,978
8233	Project Management - Benefits	250	-	-	-	-	-	-	-	250
9303	Public Art Fund	2,400	-	1,200	1,210	1,280	1,280	1,300	1,320	9,990
Total Expense		\$515,117	\$78,467	\$147,200	\$154,210	\$161,280	\$161,280	\$163,300	\$165,320	\$1,546,174
Net Total		-	-	-	-	-	-	-	-	-



Water Taps

Project Number:	11090	Budget Year:	2023
Division:	Transmission/Distribution	Council Priority:	Greeley Water: History, Heritage, Innovation , Your Home is Here
Project Type:	Water Construction Transmission & Distribution	Regions:	0 - All Wards
Fund:	Water Construction	Location:	Citywide
Project Manager:	Dan Moore	Budget Unit #:	4221060880030000000000
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:

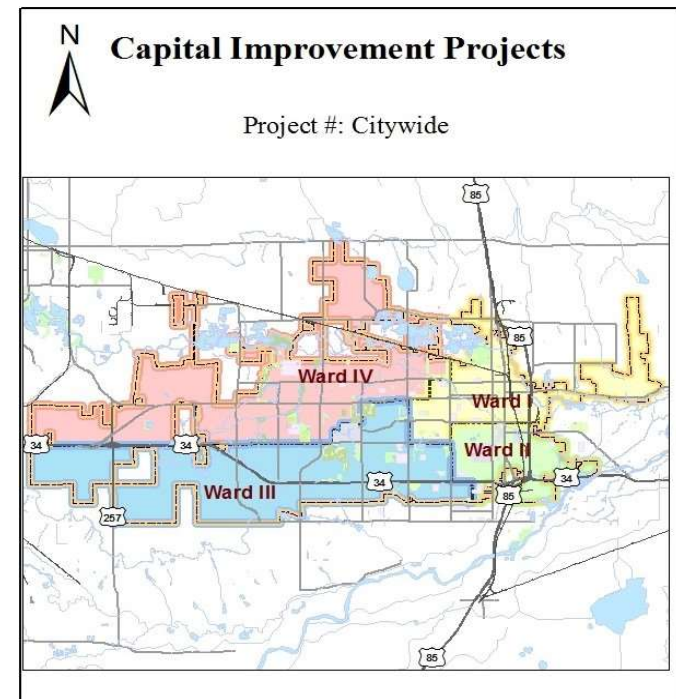
The transmission/distribution crews construct taps on the water system lines for both its own operations and those required by new customers. Tapping valves and pipe related materials used for tap construction are purchased from the Inventory Budget account. All applicable costs are included in this 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	2021 Actual	2022 Revised Budget	2023	2024	2025	2026	2027	Grand Total
Revenue										
	Fund Balance	-	-	-	75,000	75,000	75,000	75,000	75,000	-
4461	New Meter Sales	227,513	129,744	-	-	-	-	-	-	357,257
4462	Large Meter Sales	188,225	71,939	-	-	-	-	-	-	260,164
4464	Labor & Materials	45,643	10,855	-	-	-	-	-	-	56,498
4611	Plant Investment Fees	12,381,073	6,181,890	75,000	-	-	-	-	-	18,637,963
4612	Public Improvement Fee	-	286,545	-	-	-	-	-	-	286,545
4613	Promontory PIF Surcharge	-	1,575	-	-	-	-	-	-	1,575
4786	Cash In Lieu/Warranty Bond	1,575	-	-	-	-	-	-	-	1,575
4789	Expense Reimbursement	405	385	-	-	-	-	-	-	790
5632	Rents From Equipment	464,470	204,634	-	-	-	-	-	-	669,104
Total Revenue		\$13,308,904	\$6,887,566	\$75,000	\$75,000	\$75,000	\$75,000	\$75,000	\$75,000	\$20,271,471

Expense										
8202	Construction	-	-	10,000	10,000	10,000	10,000	10,000	10,000	60,000
8216	Miscellaneous	-	-	3,500	3,500	3,500	3,500	3,500	3,500	21,000
8224	Operating Supplies	38,062	473	61,500	61,500	61,500	61,500	61,500	61,500	407,534
8232	Project Management	9,813	-823	-	-	-	-	-	-	8,990
Total Expense		\$47,875	(\$350)	\$75,000	\$75,000	\$75,000	\$75,000	\$75,000	\$75,000	\$497,525
Net Total		\$13,261,030	\$6,887,916	-	-	-	-	-	-	\$19,773,946



New Construction Meters

Project Number:	11089	Budget Year:	2023
Division:	Transmission/Distribution	Council Priority:	Greeley Water: History, Heritage, Innovation , Your Home is Here
Project Type:	Water Construction Transmission & Distribution	Regions:	0 - All Wards
Fund:	Water Construction	Location:	Citywide
Project Manager:	Dan Moore	Budget Unit #:	4221060880020000011089
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.

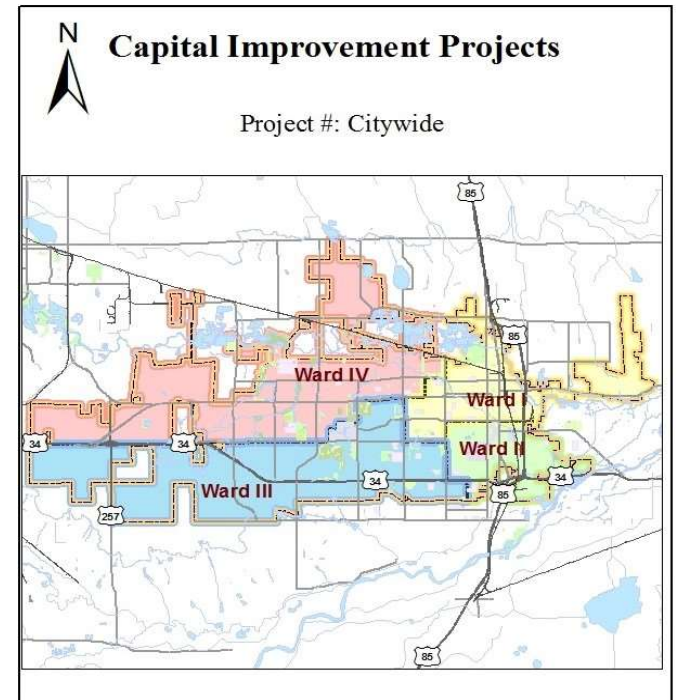
Justification:

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

GL Account	Description	Previous 3 Years	2021 Actual	2022 Revised Budget	2023	2024	2025	2026	2027	Grand Total
Revenue										
	Fund Balance	115,010	16,682	-	45,000	45,000	45,000	45,000	45,000	356,692
4611	Plant Investment Fees	-	-	45,000	-	-	-	-	-	45,000
Total Revenue		\$115,010	\$16,682	\$45,000	\$45,000	\$45,000	\$45,000	\$45,000	\$45,000	\$401,692
Expense										
8208	Furniture, Fixtures & Equipment	73,061	16,682	37,500	37,500	37,500	37,500	37,500	37,500	314,743
8224	Operating Supplies	41,949	-	2,000	2,000	2,000	2,000	2,000	2,000	53,949
8244	Capital Equipment >\$5,000	-	-	5,500	5,500	5,500	5,500	5,500	5,500	33,000
Total Expense		\$115,010	\$16,682	\$45,000	\$45,000	\$45,000	\$45,000	\$45,000	\$45,000	\$401,692
Net Total		-	-	-	-	-	-	-	-	-



Non-Potable Waterline

Project Number:	11379	Budget Year:	2023
Division:	Transmission/Distribution	Council Priority:	Greeley Water: History, Heritage, Innovation , Your Home is Here
Project Type:	Water Construction Transmission &	Regions:	5- Outside City , 4 - 10 St North/23 Ave West
Fund:	Water Construction	Location:	83rd Ave
Project Manager:	Ryan Duve	Budget Unit #:	4221060400510000011379
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.

[illegible]

35th Ave Non-Potable Waterline

Project Number:	11091	Budget Year:	2023
Division:	Transmission/Distribution	Council Priority:	Greeley Water: History, Heritage, Innovation , Your Home is Here
Project Type:	Water Construction Transmission & Distribution	Regions:	4 - 10 St North/23 Ave West
Fund:	Water Construction	Location:	35th Ave
Project Manager:	Adam Prior	Budget Unit #:	4221060890120000011091
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.

GL Account	Description	Previous 3 Years	2021 Actual	2022 Revised Budget	2023	2024	2025	2026	2027	Grand Total
Revenue										
	Fund Balance	-	864,893	708,898	-	2,007,501	-	-	-	3,581,292
	Total Revenue	-	\$864,893	\$708,898	-	\$2,007,501	-	-	-	\$3,581,292
Expense										
8202	Construction	-	845,789	708,898	-	1,771,288	-	-	-	3,325,975
8204	Contingency	-	-	-	-	172,500	-	-	-	172,500
8229	Professional Services	-	19,104	-	-	-	-	-	-	19,104
8232	Project Management	-	-	-	-	46,000	-	-	-	46,000
9303	Public Art Fund	-	-	-	-	17,713	-	-	-	17,713
	Total Expense	-	\$864,893	\$708,898	-	\$2,007,501	-	-	-	\$3,581,292
	Net Total	-	-	-	-	-	-	-	-	-

35th Ave Waterline Extension

Project Number:	11092	Budget Year:	2023
Division:	Transmission/Distribution	Council Priority:	Greeley Water: History, Heritage, Innovation , Your Home is Here
Project Type:	Water Construction Transmission & Distribution	Regions:	4 - 10 St North/23 Ave West
Fund:	Water Construction	Location:	35th Ave
Project Manager:	Dan Moore	Budget Unit #:	4221060880050000011092
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 2021 and will be approximately 1,500 l.f. of 16" pipeline.

Discussion of Progress:

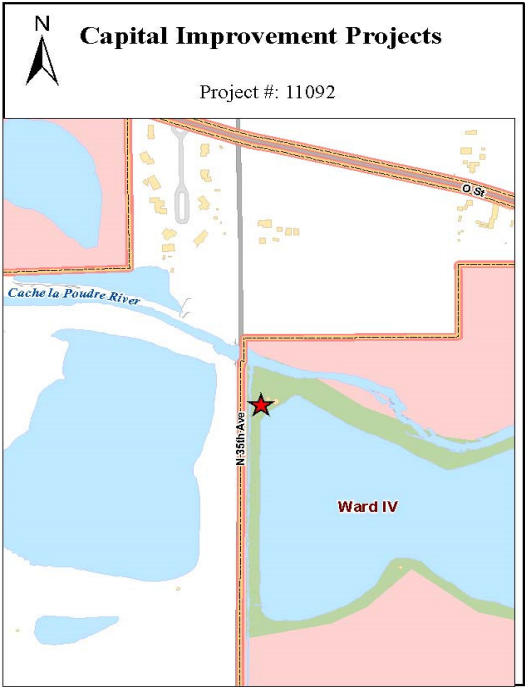
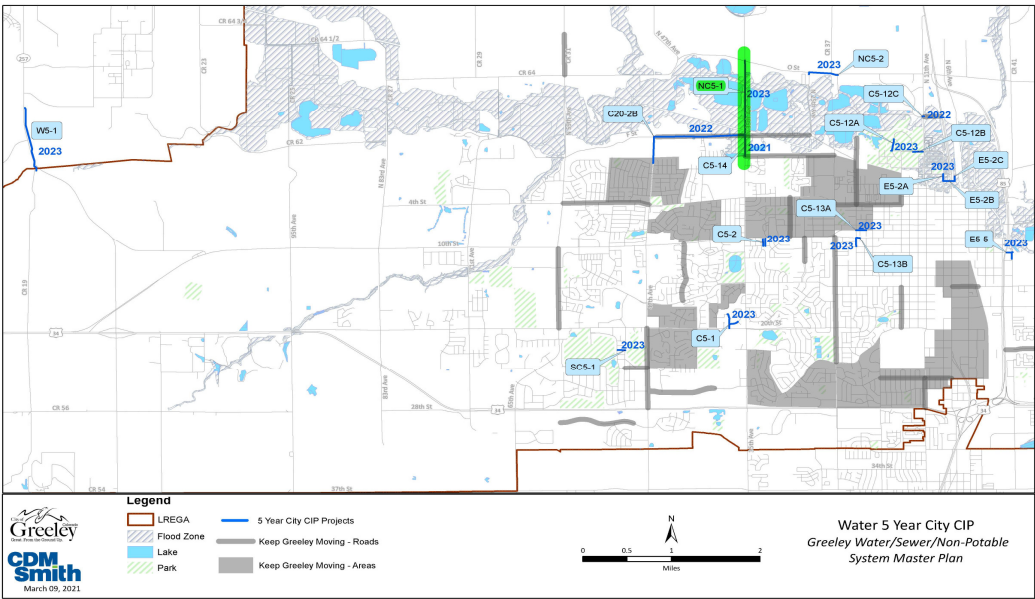
Planning to start in 2024 with construction in 2025.

Justification:

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

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GL Account	Description	Previous 3 Years	2021 Actual	2022 Revised Budget	2023	2024	2025	2026	2027	Grand Total
Revenue										
	Fund Balance	-	530,326	30,931	-	115,000	2,817,100	-	-	3,493,357
	Total Revenue	-	\$530,326	\$30,931	-	\$115,000	\$2,817,100	-	-	\$3,493,357
Expense										
8202	Construction	-	523,326	30,931	-	-	2,210,000	-	-	2,764,257
8204	Contingency	-	-	-	-	-	360,000	-	-	360,000
8229	Professional Services	-	7,000	-	-	100,000	200,000	-	-	307,000
8232	Project Management	-	-	-	-	15,000	25,000	-	-	40,000
9303	Public Art Fund	-	-	-	-	-	22,100	-	-	22,100
	Total Expense	-	\$530,326	\$30,931	-	\$115,000	\$2,817,100	-	-	\$3,493,357
	Net Total	-	-	-	-	-	-	-	-	-



O St Waterline Extension 23rd-25th

Project Number:	N730	Budget Year:	2023
Division:	CAPITAL IMPROVEMENTS	Council Priority:	Greeley Water: History, Heritage, Innovation , Your Home is Here
Project Type:	Water Construction Transmission & Distribution	Regions:	5- Outside City
Fund:	Water Construction	Location:	O St 23rd-25th Ave, Greeley CO 80631
Project Manager:	Dan Moore	Budget Unit #:	2023*
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.

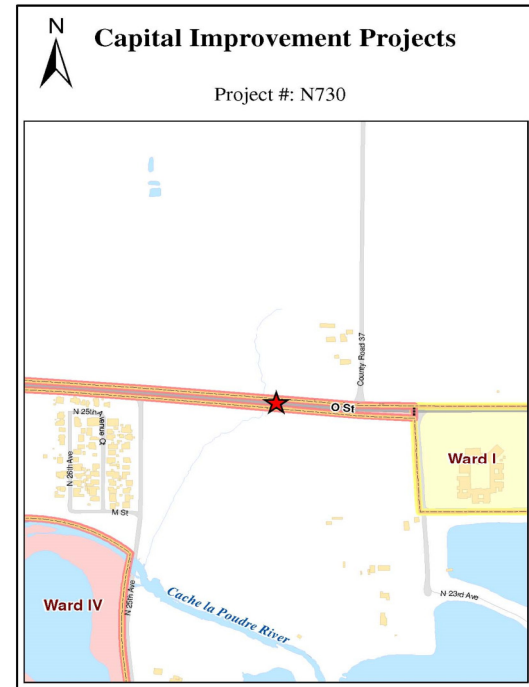
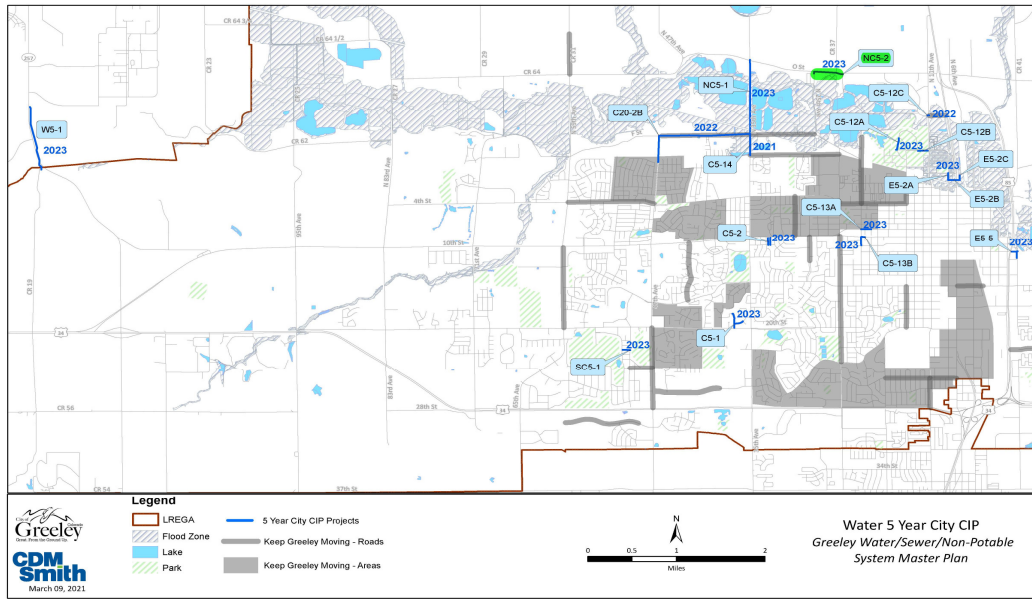
Discussion of Progress:

Design in 2024 with construction in 2025.

Justification:

Connect distribution grid prior to new street construction.

[illegible]



Bellvue Pipeline-Gold Hill Segment

Project Number:	11219	Budget Year:	2023
Division:	Transmission/Distribution	Council Priority:	Greeley Water: History, Heritage, Innovation , Your Home is Here
Project Type:	Water Construction Transmission & Distribution	Regions:	5- Outside City
Fund:	Water Construction	Location:	South of Windsor
Project Manager:	Dan Moore	Budget Unit #:	4221060880050000011219
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 Gold Hill. 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 4000 feet of pipe installation and a HWY 257 crossing to install pipe in advance of expected development in that area.

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.

GL Account	Description	Previous 3 Years	2021 Actual	2022 Revised Budget	2023	2024	2025	2026	2027	Grand Total
Revenue										
	Fund Balance	551,516	502	-	85,000	5,166,000	7,749,000	7,815,000	40,000	21,407,018
	Total Revenue	\$551,516	\$502	-	\$85,000	\$5,166,000	\$7,749,000	\$7,815,000	\$40,000	\$21,407,018
Expense										
8202	Construction	-	-	-	-	4,600,000	6,900,000	7,000,000	-	18,500,000
8204	Contingency	-	-	-	-	400,000	700,000	700,000	-	1,800,000
8212	Land/Building Cost/Demolition	164,389	-	-	25,000	-	-	-	-	189,389
8226	Permits, Fees, Etc	-	-	-	20,000	-	10,000	10,000	-	40,000
8229	Professional Services	300,807	502	-	25,000	75,000	25,000	25,000	15,000	466,309
8232	Project Management	51,520	-	-	10,000	40,000	45,000	10,000	25,000	181,520
8233	Project Management - Benefits	14,800	-	-	-	-	-	-	-	14,800
8235	Real Estate	-	-	-	5,000	5,000	-	-	-	10,000
9303	Public Art Fund	20,000	-	-	-	46,000	69,000	70,000	-	205,000
	Total Expense	\$551,516	\$502	-	\$85,000	\$5,166,000	\$7,749,000	\$7,815,000	\$40,000	\$21,407,018
	Net Total	-	-	-	-	-	-	-	-	-

EFI Pump Station Installation

Project Number:	A616	Budget Year:	2023
Division:	Transmission/Distribution	Council Priority:	Greeley Water: History, Heritage, Innovation , Your Home is Here
Project Type:	Water Construction Transmission & Distribution	Regions:	0 - All Wards
Fund:	Water Construction	Location:	Citywide
Project Manager:	Adam Prior	Budget Unit #:	4221060000000000000000
Project Status:	Funded		

Description:

Site location and Design for the Installation of an existing self-contained pre-fabricated water pump station. Design and construction will include site work for suction and discharge piping, foundation plan, and electrical/SCADA systems. Further hydraulic analysis will be needed for use as a backup water supply for the Bellvue plant or at 83rd Ave 28th St; Additional construction costs include the assumption of upgrading the pumps and fittings for NSF compliance.

Justification:

This Pump Station will provide additional flow and pressure to a specific region within the transmission and distribution system deemed by the Water & Sewer Department

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GL Account	Description	Previous 3 Years	2021 Actual	2022 Revised Budget	2023	2024	2025	2026	2027	Grand Total
Revenue										
	Fund Balance	-	-	-	65,000	-	-	-	-	65,000
	Total Revenue	-	-	-	\$65,000	-	-	-	-	\$65,000
Expense										
8229	Professional Services	-	-	-	55,000	-	-	-	-	55,000
8232	Project Management	-	-	-	5,000	-	-	-	-	5,000
8242	Utility Services	-	-	-	5,000	-	-	-	-	5,000
	Total Expense	-	-	-	\$65,000	-	-	-	-	\$65,000
	Net Total	-	-	-	-	-	-	-	-	-



NOTES:
1. PROPERTY LINE LOCATIONS ARE APPROXIMATE.
2. OWNER INFORMATION IS APPROXIMATED BASED ON BEST AVAILABLE INFORMATION FROM WELD/LARIMER COUNTIES

olsson	
GREELEY PUMP STATION LOCATION EVALUATION	
28TH STREET & 83RD AVENUE	
GREELEY, CO	
Project No.	0284
Revision No.	0001
Date	04/05/2021
Scale	1" = 500'
FIGURE	8 OF 8

