

Fund 424 Water Acquisition

Response and Management to Northern Integrated Supply Project

Project Number:	424New3	Budget Year:	2024
Division:	Water Capital Projects	Council Priority:	Sustainable Infrastructure & Mobility
Project Type:		Regions:	
Fund:	Water Rights Acquisition	Location:	Citywide
Project Manager:	Unassigned	Budget Unit #:	Unassigned
Proiect Status:	Funded		

Description:

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

Discussion of Progress:

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

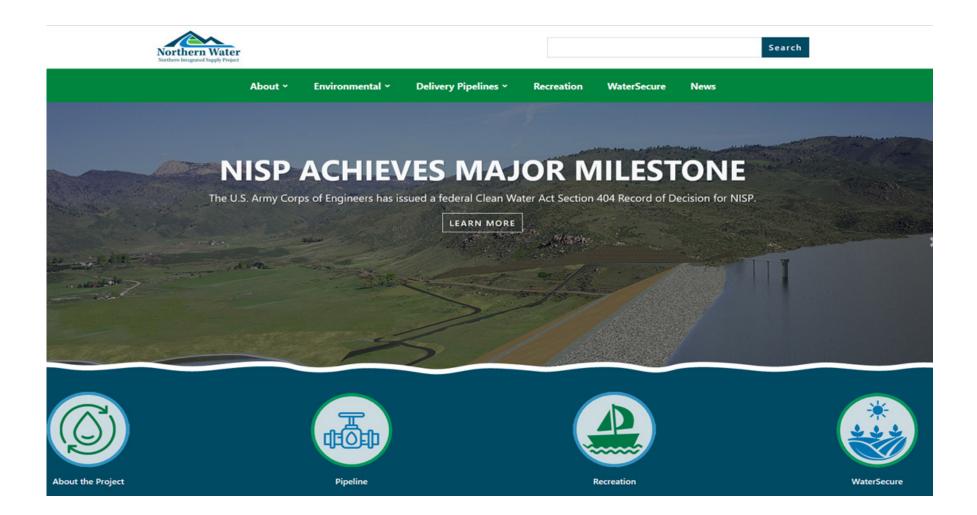
Justification:

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

Impact on Operating Budget:

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

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



Life After Lawn

Project Number:	12570	Budget Year:	2024
Division:	Water Capital Projects	Council Priority:	Sustainable Infrastructure & Mobility
Project Type:	Water Rights Acquisition	Regions:	0 - All Wards
Fund:	Water Rights Acquisition	Location:	Citywide
Project Manager:	Dena Egenhoff	Budget Unit #:	424440185001000000000
Project Status:	Funded	-	

Description:

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

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

Discussion of Progress:

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

Justification:

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

Revenue Detail:

Program reduces the revenue collected though water rates.

Impact on Operating Budget:

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

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





Non-tributary Groundwater SLB Change Case

Project Number:	12588	Budget Year:	2024
Division:	Water Capital Projects	Council Priority:	Sustainable Infrastructure & Mobility
Project Type:	Water Rights Acquisition	Regions:	5- Outside City
Fund:	Water Rights Acquisition	Location:	Terry Ranch Site on WY border between I25 and US85
Project Manager:	Leah Hubbard	Budget Unit #:	424440185000000000000
Project Status:	Funded		

Description:

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

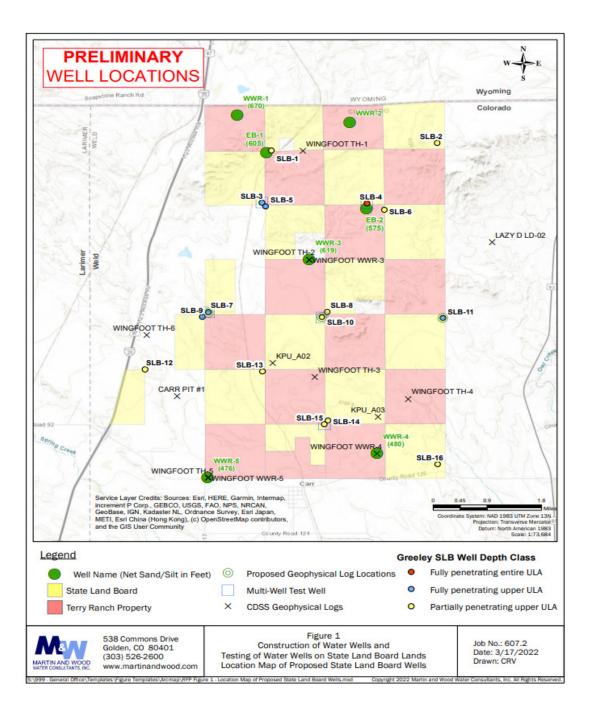
Discussion of Progress:

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

Justification:

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

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



Water Resources Database Build

Project Number:	424New1	Budget Year:	2024
Division:	Water Capital Projects	Council Priority:	Sustainable Infrastructure & Mobility
Project Type:	Water Rights Acquisition	Regions:	
Fund:	Water Rights Acquisition	Location:	Citywide
Project Manager:	Unassigned	Budget Unit #:	Unassigned
Project Status:	Funded		

Description:

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

Discussion of Progress:

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

Justification:

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

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



Integrated Water Resources Plan Update

Project Number:	424New2	Budget Year:	2024
Division:	Water Capital Projects	Council Priority:	Sustainable Infrastructure & Mobility
Project Type:	Water Rights Acquisition	Regions:	
Fund:	Water Rights Acquisition	Location:	Citywide
Project Manager:	Unassigned	Budget Unit #:	Unassigned
Project Status:	Funded		

Description:

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

Discussion of Progress:

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

Justification:

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

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

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

Big Thompson Source Water Assessment and Protection Plan

Project Number:	424New4	Budget Year:	2024
Division:	Water Capital Projects	Council Priority:	Sustainable Infrastructure & Mobility
Project Type:	Water Rights Acquisition	Regions:	
Fund:	Water Rights Acquisition	Location:	3119 E Eisenhower Blvd, Loveland, CO
Project Manager:	Unassigned	Budget Unit #:	Unassigned
Project Status:	Funded		

Description:

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

Discussion of Progress:

Project is planned for 2024.

Justification:

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

Revenue Detail:

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

Impact on Operating Budget:

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

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



Poudre Basin Model Update

Project Number:	424New5	Budget Year:	2024
Division:	Water Capital Projects	Council Priority:	Sustainable Infrastructure & Mobility
Project Type:	Water Rights Acquisition	, Regions:	,
Fund:	Water Rights Acquisition	Location:	Citywide
Project Manager:	Unassigned	Budget Unit #:	Unassigned
Project Status:	Funded	U	

Description:

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

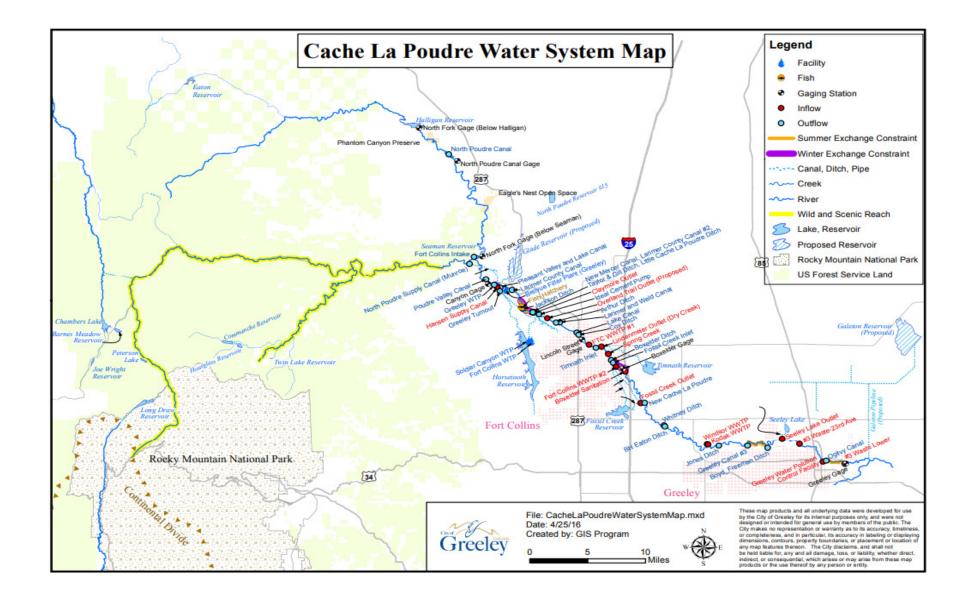
Discussion of Progress:

Project is planned for 2027.

Justification:

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

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



Retiming Storage Investigation

Due is at Numero and		Dudget Veen	2024
Project Number:	424New6	Budget Year:	2024
Division:	Water Capital Projects	Council Priority:	Sustainable Infrastructure & Mobility
Project Type:	Water Rights Acquisition	Regions:	
Fund:	Water Rights Acquisition	Location:	Citywide
Project Manager:	Unassigned	Budget Unit #:	Unassigned
Project Status:	Funded		

Description:

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

Discussion of Progress:

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

Justification:

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

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

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

Project Number:	424New7	Budget Year:	2024
Division:	Water Capital Projects	Council Priority:	Sustainable Infrastructure & Mobility
Project Type:	Water Rights Acquisition	Regions:	
Fund:	Water Rights Acquisition	Location:	Citywide
Project Manager:	Unassigned	Budget Unit #:	Unassigned
Project Status:	Funded	-	

Description:

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

Justification:

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

Impact on Operating Budget:

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

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

Colorado Department of Natural Resources Colorado Water Conservation Board DQ1 PMAA 2020*0166





COLORADO Colorado Water Conservation Board Department of Natural Resources

Alternative Transfer Methods in Colorado

Status Update, Framework for Continued Support, and Recommendations for CWCB Action



Development of Parcel B, Poudre Ponds

Project Number:	12523	Budget Year:	2024
Division:	Water Capital Projects	Council Priority:	Sustainable Infrastructure & Mobility
Project Type:	Water Rights Acquisition	Regions:	5- Outside City
Fund:	Water Rights Acquisition	Location:	35th Ave. North of F St.
Project Manager:	Ryan Duve	Budget Unit #:	4244401850000000000000
Project Status:	Funded		

Description:

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

Discussion of Progress:

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

Justification:

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

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

Revenue Detail:

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

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



Overland Trail

Project Number:	12593	Budget Year:	2024
Division:	Water Capital Projects	Council Priority:	Sustainable Infrastructure & Mobility
Project Type:	Water Rights Acquisition	Regions:	5- Outside City
Fund:	Water Rights Acquisition	Location:	Northwest of Fort Collins
Project Manager:	Leah Hubbard	Budget Unit #:	424440185505000000000
Project Status:	Funded		

Description:

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

Discussion of Progress:

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

Justification:

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

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

Future Water Acquisition - Phase II

Project Number:	12543	Budget Year:	2024
Division:	Water Capital Projects	Council Priority:	Sustainable Infrastructure & Mobility
Project Type:	Water Rights Acquisition	Regions:	5- Outside City
Fund:	Water Rights Acquisition	Location:	Citywide
Project Manager:	Cole Gustafson	Budget Unit #:	4244401855050000000000
Project Status:	Funded		

Description:

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

Discussion of Progress:

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

Justification:

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

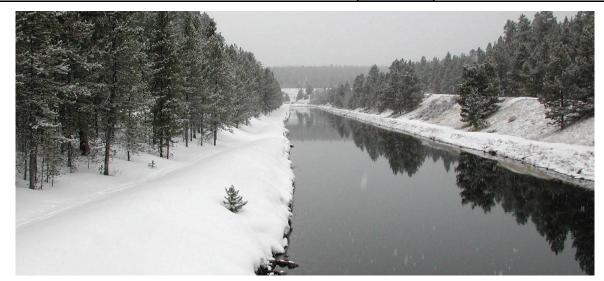
Revenue Detail:

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

Impact on Operating Budget:

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

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



Water Supply & Storage Change Case Ph 2

Project Number:	12672	Budget Year:	2024
Division:	Water Capital Projects	Council Priority:	Sustainable Infrastructure & Mobility
Project Type:	Water Rights Acquisition	Regions:	0 - All Wards
Fund:	Water Rights Acquisition	Location:	Citywide
Project Manager:	Leah Hubbard	Budget Unit #:	4244401850000000000000
Proiect Status:	Funded		

Description:

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

Discussion of Progress:

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

Justification:

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

		Previous 3		2023 Revised						
GL Account	Description	Years	2022 Actual	Budget	2024	2025	2026	2027	2028	Grand Total
Revenue										
	Fund Balance 60,50		-	193,548	100,000	-	-		-	- 354,055
Total Revenue		\$60,507	-	\$193,548	\$100,000	-	-		-	- \$354,055
Expense										
8229	Professional Services	60,507	-	193,548	100,000	-	-		-	- 354,055
Total Expense\$60,507			-	\$193,548	\$100,000	-	-		-	- \$354,055
Net Total			-	-	-	-		-		