



Fund 424

Water Acquisition

Future Water Acquisition - Phase II

Project Number:	11119	Budget Year:	2023
Division:	Water Capital Improvement	Council Priority:	Greeley Water: History, Heritage, Innovation , Your Home is Here
Project Type:	Water Rights Acquisition	Regions:	5- Outside City
Fund:	Water Rights Acquisition	Location:	Citywide
Project Manager:	Adam Jokerst	Budget Unit #:	4248500850000000011119
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.

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.

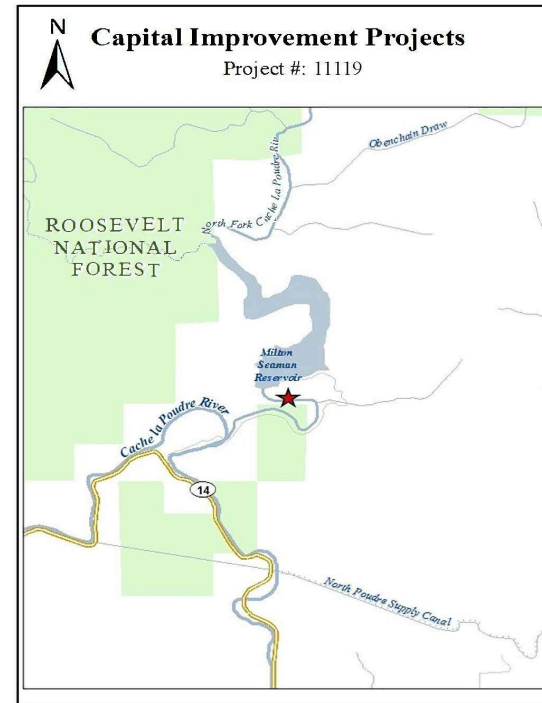
Revenue Detail:

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

Impact on Operating

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

GL Account	Description	Previous 3 Years	2021 Actual	2022 Revised Budget	2023	2024	2025	2026	2027	Future	Grand Total
Revenue											
	Fund Balance	6,057,414	-	-	5,521,109	5,686,742	5,857,344	6,033,065	6,207,304	33,838,642	67,801,620
4789	Expense	184	-	-	-	-	-	-	-	-	184
5788	Other Private	6,639,250	-	-	-	-	-	-	-	-	6,639,250
5801	Sales Of Fixed Assets	-322,280	-	-	-	-	-	-	-	-	-322,280
5902	Bond Proceeds	-	-	7,750,000	-	-	-	-	-	-	7,750,000
6421	Operating Transfer	1,500,000	-	-	-	-	-	-	-	-	1,500,000
Total Revenue		\$13,874,568	-	\$7,750,000	\$5,521,109	\$5,686,742	\$5,857,344	\$6,033,065	\$6,207,304	\$33,838,642	\$83,368,774
Expense											
8212	Land/Building	13,741,160	-	6,150,000	5,315,109	5,474,562	5,638,799	5,807,963	5,982,202	32,713,132	80,822,927
8229	Professional Services	133,308	-	200,000	206,000	212,180	218,545	225,102	225,102	1,125,510	2,545,747
8233	Project Management -	100	-	-	-	-	-	-	-	-	100
Total Expense		\$13,874,568	-	\$6,350,000	\$5,521,109	\$5,686,742	\$5,857,344	\$6,033,065	\$6,207,304	\$33,838,642	\$83,368,774
Net Total		-	-	\$1,400,000	-	-	-	-	-	-	-



Life After Lawn

Project Number:	11344	Budget Year:	2023
Division:	CAPITAL IMPROVEMENTS	Council Priority:	Greeley Water: History, Heritage, Innovation
Project Type:	Water Rights Acquisition	Regions:	0 - All Wards
Fund:	Water Rights Acquisition	Location:	City-wide
Project Manager:	Dena Egenhoff	Budget Unit #:	4241060402330000011344
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.

Discussion of Progress:

Will begin in 2022.

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.

[illegible]

Non-tributary Groundwater SLB Change Case

Project Number:	11115	Budget Year:	2023
Division:	Water Capital Improvement	Council Priority:	Greeley Water: History, Heritage, Innovation , Your Home is Here
Project Type:	Water Rights Acquisition	Regions:	5- Outside City
Fund:	Water Rights Acquisition	Location:	Citywide
Project Manager:	Jennifer Petrzelka	Budget Unit #:	4241060850000000011115
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:

The engineering needed to file an application has begun. Application has been filed, and case will go to court. Test well drilling scheduled to start in late 2022.

Justification:

These groundwater rights can only be used for municipal uses including augmentation and replacing return flows if they have been changed in court.

GL Account	Description	Previous 3 Years	2021 Actual	2022 Revised Budget	2023	2024	2025	2026	2027	Grand Total
Revenue										
	Fund Balance	-	-	1,475,000	1,000,000	200,000	100,000	-	-	2,775,000
5902	Bond Proceeds	-	-	100,000	-	-	-	-	-	100,000
Total Revenue		-	-	\$1,575,000	\$1,000,000	\$200,000	\$100,000	-	-	\$2,875,000
Expense										
8202	Construction	-	-	1,100,000	900,000	-	-	-	-	2,000,000
8229	Professional Services	-	-	475,000	100,000	200,000	100,000	-	-	875,000
Total Expense		-	-	\$1,575,000	\$1,000,000	\$200,000	\$100,000	-	-	\$2,875,000
Net Total		-	-	-	-	-	-	-	-	-

Development of Parcel B, Poudre Ponds

Project Number:	11232	Budget Year:	2023
Division:	Water Capital Improvement	Council Priority:	Greeley Water: History, Heritage, Innovation , Your Home is Here
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 #:	4248500850000000011232
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. A long-term solution is needed to construct a permanent riverbank armoring system to protect the City's assets and maintain operation of the Trail. The extent of the armoring needed for the long-term solution is approximately 1,000 feet.

Discussion of Progress:

Design is on going and construction is scheduled for 2023.

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.

Revenue Detail:

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

GL Account	Description	Previous 3 Years	2021 Actual	2022 Revised Budget	2023	2024	2025	2026	2027	Grand Total
Revenue										
	Fund Balance	2,542,257	-	728,700	1,010,000	-	-	-	-	4,280,957
5636	Royalties	139,744	-	-	-	-	-	-	-	139,744
Total Revenue		\$2,682,001	-	\$728,700	\$1,010,000	-	-	-	-	\$4,420,701
Expense										
8202	Construction	2,081,782	-	568,700	800,000	-	-	-	-	3,450,482
8204	Contingency	-	-	-	120,000	-	-	-	-	120,000
8216	Miscellaneous	180	-	-	25,000	-	-	-	-	25,180
8229	Professional Services	507,294	-	160,000	45,000	-	-	-	-	712,294
8232	Project Management	92,746	-	-	20,000	-	-	-	-	112,746
Total Expense		\$2,682,001	-	\$728,700	\$1,010,000	-	-	-	-	\$4,420,701
Net Total		-	-	-	-	-	-	-	-	-

Water Supply & Storage Change Case Ph 2

Project Number:	11118	Budget Year:	2023
Division:	Water Capital Improvement	Council Priority:	Greeley Water: History, Heritage, Innovation , Your Home is Here
Project Type:	Water Rights Acquisition	Regions:	0 - All Wards
Fund:	Water Rights Acquisition	Location:	Citywide
Project Manager:	Jennifer Petrzelka	Budget Unit #:	4248500850000000011118
Project Status:	Funded		

Description:

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

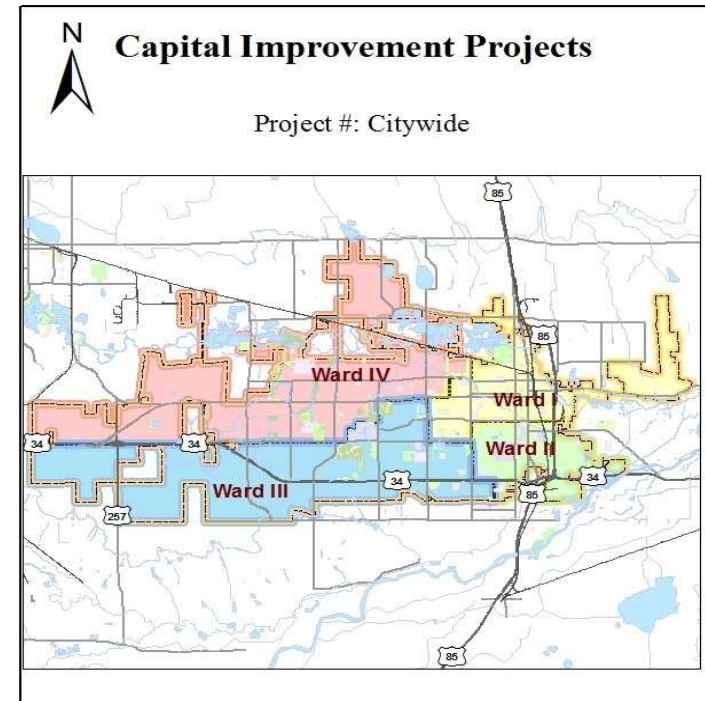
Discussion of Progress:

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

Justification:

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

GL Account	Description	Previous 3 Years	2021 Actual	2022 Revised Budget	2023	2024	2025	2026	2027	Grand Total
Revenue										
	Fund Balance	60,507	-	-	100,000	100,000	-	-	-	260,507
5902	Bond Proceeds	-	-	100,000	-	-	-	-	-	100,000
	Total Revenue	\$60,507	-	\$100,000	\$100,000	\$100,000	-	-	-	\$360,507
Expense										
8229	Professional Services	60,507	-	100,000	100,000	100,000	-	-	-	360,507
	Total Expense	\$60,507	-	\$100,000	\$100,000	\$100,000	-	-	-	\$360,507
	Net Total	-	-	-	-	-	-	-	-	-



Overland Trail

Project Number:	11243	Budget Year:	2023
Division:	Water Capital Improvement	Council Priority:	Greeley Water: History, Heritage, Innovation , Your Home is Here
Project Type:	Water Rights Acquisition	Regions:	5- Outside City
Fund:	Water Rights Acquisition	Location:	Northwest of Fort Collins
Project Manager:	Jennifer Petrzelka	Budget Unit #:	4241060855050000011243
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 2022 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.

GL Account	Description	Previous 3 Years	2021 Actual	2022 Revised Budget	2023	2024	2025	2026	2027	Future	Grand Total
Revenue											
	Fund Balance	341,606	-	-	35,000	35,000	35,000	35,000	35,000	3,035,000	3,551,606
4341	Local Government Grants	9,619	-	-	-	-	-	-	-	-	9,619
5902	Bond Proceeds	-	-	35,000	-	-	-	-	-	-	35,000
Total Revenue		\$351,225	-	\$35,000	\$35,000	\$35,000	\$35,000	\$35,000	\$35,000	\$3,035,000	\$3,596,225
Expense											
8202	Construction	-	-	-	-	-	-	-	-	3,000,000	3,000,000
8212	Land/Building	339,928	-	-	-	-	-	-	-	-	339,928
8216	Miscellaneous	8	-	-	-	-	-	-	-	-	8
8229	Professional Services	10,858	-	20,000	20,000	20,000	20,000	20,000	20,000	20,000	150,858
8232	Project Management	432	-	15,000	15,000	15,000	15,000	15,000	15,000	15,000	105,432
Total Expense		\$351,225	-	\$35,000	\$35,000	\$35,000	\$35,000	\$35,000	\$35,000	\$3,035,000	\$3,596,225
Net Total		-	-	-	-	-	-	-	-	-	-

