

WATER & SEWER BOARD AGENDA

Wednesday, July 17, 2019
2:00 p.m.

GREELEY CITY CENTER
1001 11TH Avenue
Greeley, CO 80631

1. Roll Call: _____ Chairman Harold Evans _____ Vice Chairman Mick Todd
 _____ Mr. Bob Ruyle _____ Mr. Fred Otis
 _____ Mr. Joe Murphy _____ Mr. Tony Miller
 _____ Mr. Manuel Sisneros _____ Mayor John Gates
 _____ Mr. Roy Otto _____ Mrs. Renee Wheeler
2. Approval of Minutes
3. Approval of and/or Additions to Agenda

Consent Agenda

The Consent Agenda is a meeting management tool to allow the Board to handle several routine items with one action.

The Board or staff may request an item to be “pulled” off the Consent Agenda and considered separately under the next agenda item in the order they were listed.

4. Billing Agreement with Colorado Department of Public Health & Environment for the Milton Seaman Water Supply Project

End of Consent Agenda

5. Any Pulled Items from Consent Agenda
6. Welcome New Employees
7. Review and Recommend to City Council Revisions to Title 14 of the Greeley Municipal Code (Dedication Policy)
8. Update on Gold Hill Segment Property Acquisitions
9. Adopt Resolution Authorizing Additional Property Acquisitions (Gold Hill Segment – Bellvue Pipeline)



If, to effectively and fully participate in this meeting, you require an auxiliary aid or other assistance related to a disability, please contact Ettie Arnold at 970-350-9812.

10. Approve and Recommend to City Manager the Water and Sewer 2020 Operating Budget and 5 Year CIP
11. Water Market Update
12. Water Supply Update
13. Water Court Update Q2
14. Legal Report
15. Director's Report
16. Executive Session
17. Such Other Business That May Be Brought Before the Board and Added to This Agenda by Motion of the Board



If, to effectively and fully participate in this meeting, you require an auxiliary aid or other assistance related to a disability, please contact Ettie Arnold at 970-350-9812.

**City of Greeley
Water and Sewer Board
Minutes of June 19, 2019
Regular Board Meeting**

Chairman Harold Evans called the Water and Sewer Board meeting to order at 2:01 p.m. on Wednesday, June 19, 2019.

1. Roll Call

The Clerk called the roll and those present included:

Board Members:

Chairman Harold Evans, Vice Chairman Mick Todd, Fred Otis, Robert Ruyle, Tony Miller, Manny Sisneros, Renee Wheeler

Water and Sewer Department Staff:

Director Sean Chambers, Deputy Director Water Resources Adam Jokerst, Deputy Director of Operations Nina Cudahy, Business Manager Erik Dial, Water Resources Operations Manager Jennifer Petrzelka, Non-Potable Superintendent Roger Schmidt, Water Resource Admin. Kelen Dowdy, Staff Engineer Cadee Oakleaf, Summer Intern Victoria Soliz and Senior Administrative Assistant Ettie Arnold

Legal Counsel:

Counsel to Water & Sewer Board Attorney Carolyn Burr, Environmental and Water Resources Attorney Jerrae Swanson, Environmental and Water Resources Attorney Aaron Goldman, Environmental and Water Resources Attorney Dan Biwer

2. Approval of Minutes

Vice Chairman Todd moved, seconded by Mr. Sisneros, to approve the May 20, 2019 Water and Sewer Board meeting minutes. The motion carried 6-0.

3. Approval of and/or Additions to Agenda

There were no changes or additions to the Agenda.

******Consent Agenda******

******End of Consent Agenda******

4. Pulled Consent Agenda Items

There were no items on the consent agenda for this meeting.

5. Welcome New Employees

Mr. Chambers provided an introduction of new Water and Sewer Department employees starting this month. Civil Engineer, Cadee Oakleaf and Deputy Director of Operations Nina Cudahy.

6. Approve and Recommend to Council the Acquisition of Interest in Real Property for the Purchase of Siting the Ashcroft Lift Station

Cadee Oakleaf presented on the Ashcroft Lift Station Project. She presented information regarding the lift station purpose, site selection, force main alignment for connection to existing collection system and information on properties where temporary and permanent easements or property rights would be needed to configure wastewater utility service.

Vice Chairman Todd moved, seconded by Mr. Miller, to approve and recommend to Council the Acquisition of Interest in Real Property for the Purpose of Siting the Ashcroft Lift Station and Force Main, as described in the enclosed resolution. The motion carried 6-0.

7. Non-Potable System Overview and Update

Adam Jokerst provided an update and overview regarding the Non-Potable System. He shared history of infrastructure, an overview of the existing System, update to the 2004 Non-Potable Master Plan, future expansion plans, and next steps.

Ruth Quade joined the meeting at 2:17 p.m.

Cadee Oakleaf and Roger Schmidt left the meeting at 2:56 p.m.

8. Water Budget Report

Jen Petrzelka provided a recap on Water Budgets and the attributes and advantages of employing water budget limitations as one of the City's drought response tools. Ruth Quade provided insight into the City's ability to use Water Budgets as a water conservation tool through outreach, education, and the application of advanced metering tools to empower consumption data with automation. Ms. Petrzelka and Ms. Quade described recommendations and next steps for refining customers' Water Budget

allocations to provide more accurate water use information to customers and to effectuate adequate levels of drought response. Erik Dial addressed water budget rate questions from the Board. Chairman Evans and Board members stressed the importance of honing our message to and communications with customers prior to allocation adjustments.

Ruth Quade and Kelen Dowdy left the meeting at 3:18 p.m.

9. Legal Report

Carolyn Burr of Welborn Sullivan Meck & Tooley provided this month's legal report to the Board.

Recommended Statements of Opposition:

- a. **19CW3073: United Water & Sanitation District & South Weld Holdings LLC:** Application for a plan for augmentation and substitution to replace out-of-priority depletions in Beebe Draw and the South Platte River. Applicants plan to deliver out of priority water from the Beebe Seep Canal into the not yet constructed Highlands Reservoir and replace depletions with water stored in 70 Ranch Reservoir and Milliken Reservoir. Out of priority diversions up to 2000 a.f./year from Beebe Seep Canal; storage capacity of Highlands Reservoir is planned to be 4,500 a.f. Ms. Burr recommended that Greeley file a statement of opposition. Greeley has opposed and actively monitored United/ECCV/ACWWA cases on the South Platte river to (a) protect its exchanges that involve the South Platte, and (b) because these applicants frequently pose new questions of law in their cases.
- b. **19CW3074: Arapahoe County Water & Wastewater Authority:** ACWWA is seeking the following junior, conditional rights: Bowles Seep Canal Right, 30 cfs; DeSanti Water Right, 10 cfs; Milton Lake Water Storage Right, 3000 a.f. fill and refill; Highlands Reservoir Storage Right, 3000 a.f. fill and refill. ACWWA seeks to use the water as a source of augmentation and recharge in 10CW306 and 13CW3026 and 16CW3195. ACWWA seeks to divert these rights out of priority and is claiming a plan for augmentation similar to United's claims above. Ms. Burr recommended that Greeley file a statement of opposition. Greeley has opposed and actively monitored United/ECCV/ACWWA cases on the South Platte river to (a) protect its exchanges that involve the South Platte, and (b) because these applicants frequently pose new questions of law in their cases.
- c. **19CW3075: East Cherry Creek Valley Water & Sanitation District:** ECCV is asserting the same claims as ACWWA, above. It's unclear if the ECCV/ACWWA claims are cumulative or additive. Ms. Burr recommended that Greeley file a statement of opposition for the same reasons stated for 19CW3073 and 3074.

Mick Todd made a motion, seconded by Mr. Miller, that the Board authorize the filing of a statement of opposition in Case Nos. 19CW3073, 19CW3074 and 19CW3075, and for staff and legal counsel to seek resolution of issues raised by that case consistent with Water and Sewer Board Resolution No. 3-15. The motion carried 6-0.

Case Update

- d. **18CW3016: Tunnel Exchange Diligence Application:** This is an application for diligence, and to make one of the conditional decreed exchanges associated with Greeley's interest in the Tunnel Water Company partially absolute. This exchange allows Greeley to store its Tunnel Water in Milton Seaman Reservoir. Greeley has stipulated with both parties in this case, the Cache la Poudre Water Users Association and the City of Thornton. Greeley filed a motion for entry of the proposed decree on May 8. The referee entered the ruling on May 31, and parties have until June 21 to protest that ruling. After the protest period has passed, the water judge will enter the final decree.

10. Executive Session

There was no executive session.

11. Director's Report

Mr. Chambers gave a report on the following items:

- Annual Update to Water and Sewer Master Plan
- Greeley Municipal Code 14.04.100 Budget Process
- Debrief on Town of Windsor and City of Greeley water infrastructure meeting
- Debrief on Groundwater Project Tour
- 2020 Budget Presentation - July 17, 2019 W&S Board Mtg.

Victoria Soliz left the meeting at 3:39 p.m.

12. Such Other Business That May be Brought Before the Board and Added to This Agenda by Motion of the Board

- Chairman Evans provided an update on the History Book.
- Vice Chairman Todd sits on the Greeley Arts Commission and Museum. Vice Chair Todd expressed an interest in a collaborative water wise demonstration education projects that could be done with Poudre Learning Center. He suggested there may be an opportunity to message the scale of Greeley's robust water system through a landscape architecture type model that could potentially be developed with collaborative funding. The Board agreed it is a positive opportunity for education and a good location for public outreach.

There were no additional items brought before the Board and added to the agenda.

Chairman Evans adjourned the meeting at 4:16 p.m.

Harold Evans, Chairman

Ettie Arnold, Senior Administrative Assistant

WATER & SEWER BOARD AGENDA JULY 17, 2019

ENCLOSURES X

NO ENCLOSURE

ITEM NUMBER: 4

TITLE: APPROVE ANNUAL BILLING AGREEMENT
WITH COLORADO DEPARTMENT OF PUBLIC
HEALTH AND ENVIRONMENT FOR
PARTICIPATION IN THE MILTON SEAMAN
WATER SUPPLY PROJECT ENVIRONMENTAL
IMPACT STATEMENT AND SECTION 401
WATER QUALITY CERTIFICATION

RECOMMENDATION: APPROVE ANNUAL BILLING AGREEMENT
WITH COLORADO DEPARTMENT OF PUBLIC
HEALTH AND ENVIRONMENT

ADDITIONAL INFORMATION:

Staff requests the Water and Sewer Board to approve the 2019 Billing Agreement with the Colorado Department of Public Health and Environment, Water Quality Control Division (Division). The Division has been asked to review the water quality data and modeling being used for the Milton Seaman Water Supply Project (MSWSP) Environmental Impact Statement (EIS) to ensure the information used in the analyses can also be used in pursuit of a Clean Water Act Section 401 Water Quality Certification (401 Certification).

For projects requiring 401 Certification, the Division is required to categorize projects into a tier ranging from one through four based on project complexity pursuant to Colorado Regulation 25-8-502 C.R.S.. The division has determined that due to the high degree of complexity, the increased potential for water quality impacts, and the significant level of public participation regarding this project, that the MSWSP 401 Certification review is a Tier 4 project. As such, the City of Greeley is required to provide funding for the actual review costs associated with the Division's participation in the MSWSP EIS and 401 Certification through the execution of a yearly Billing Agreement.

An IGA covering this work in 2016 was approved by the Water and Sewer Board and City Council. In Resolution 24, 2017, City Council delegated authority to approve subsequent yearly Billing Agreements to the Water and Sewer Board and execution by the Mayor until such time that the Division has issued or denied the 401 Certification. Greeley and the Division entered into a Billing Agreement in 2018.

The Division has estimated that costs will not exceed \$25,000 for the 2019-2020 period (July 1, 2019 to June 30, 2020). Last year, the Division estimated that costs would not exceed \$40,000. The total fee invoiced for the 2018-2019 Billing Agreement period was \$5,200.

June 24, 2019

City of Greeley
Attn: Adam Jokerst, Deputy Director of Water Resources
1100 10th Street, Suite 300
Greeley, CO 80631

Re: Milton Seaman Water Supply Project, Billing Agreement for the Section 401 of the Clean Water Act, State Water Quality Certification

Dear Mr. Jokerst:

The Colorado Department of Public Health and Environment, Water Quality Control Division (Division), has been asked to review the water quality data analysis and modeling being used for the Milton Seaman Water Supply Project (MSWSP) Environmental Impact Statement (EIS) to ensure the information used in the analysis can also be used for the 401 Water Quality Certification (401 Certification). For projects requiring 401 Certification, the Division is now required to categorize projects into a tier ranging from 1 through 4 based on project complexity pursuant to Colorado regulation 25-8-502 C.R.S. and House Bill 15-1249 (1.2). The Division determined that due to the high degree of complexity, the increased potential for water quality impacts, and the significant level of public participation regarding this project, the MSWSP qualifies as a Tier 4 project. Due to the complexity of the project, the Division will enter into a contract with a contractor to assist the Division in the analysis of the water quality data, models and technical reports. The MSWSP project will require Division staff and contractor time to review technical information and reports in support of the 401 water quality certification. Because the Division has determined that the project is a Tier 4 project, the applicant is required to pay the actual costs of review based on the calculated hourly fees. The Division has not entered into a contract with a consultant, but once the Division does, we will inform the City of Greeley of the contractor and the associated costs. The fees for the contractor will range depending on the review required for the 401 certification.

The City of Greeley will agree to pay the fees based on hours worked by both the contractor and Division staff, or the Division will cease participation in the EIS review process or the 401 application, whichever is applicable. Division staff can include administrative support and fiscal staff. Acceptance and signature of this letter by the City of Greeley will allow the Division to work on the MSWSP EIS and 401 certification. For this service, the Division will bill the City of Greeley fees on a monthly basis when work is performed on the MSWSP project. The exact amount of Division staff and contractor time is currently unknown, but based on the costs associated with the Milton Seaman project for the Division for 2018-2019 (~\$5,200) the Division estimates that costs will not exceed a cumulative amount of \$25,000 for a time period of July 1, 2019 through June 30, 2020. The Division will revisit the work and fees quarterly to determine if an adjustment is warranted. If an adjustment is warranted, a new billing agreement will be provided. If payment is not received within 30 days, the Division will no longer be able to participate in this review and certification process. The Division will prepare a new cost estimate and billing agreement near the expiration of the current billing



agreement. If payment is not received within 30 days, the Division will cease participation in the MSWSP EIS and review of the 401 Certification application process. Before June 30, 2020, the Division will prepare a new cost estimate and billing agreement.

If you wish for the Division to withdraw from participation in the MSWSP EIS process and review of the 401 Certification, please send the Division a separate notice to that effect and we will discontinue the review.

Sincerely,

Aimee Konowal
Watershed Section Manager
Water Quality Control Division

The undersigned represents that the City of Greeley hereby agrees to pay the fees associated with the Divisions' participation in the MSWSP EIS process and its' review of the 401 Certification, subject to the terms stated above.

THE CITY OF GREELEY, COLORADO
A Colorado home rule municipal
corporation

By: _____

Printed Name: _____

Title: _____

Date: _____



WATER & SEWER BOARD AGENDA JULY 17, 2019

ENCLOSURE _____ NO ENCLOSURE X

ITEM NUMBER: 6

TITLE: WELCOME NEW EMPLOYEES

RECOMMENDATION: INFORMATION ONLY

ADDITIONAL INFORMATION:

Staff to introduce and welcome new full-time employees starting employment in May within the department.

- Joe Studdard – Boyd WTP Operator B

WATER & SEWER BOARD AGENDA JULY 17, 2019

ENCLOSURE X NO ENCLOSURE

ITEM NUMBER: 7

TITLE: REVIEW AND RECOMMEND TO CITY
 COUNCIL REVISIONS TO TITLE 14 OF THE
 GREELEY MUNICIPAL CODE (DEDICATION
 POLICY)

RECOMMENDATION: RECOMMEND TO CITY COUNCIL REVISIONS
 TO TITLE 14 OF THE GREELEY MUNICIPAL
 CODE (DEDICATION POLICY)

ADDITIONAL INFORMATION:

At three Water and Sewer Board meetings in late 2018, staff discussed a proposal for modifying the raw water requirements for commercial and multi-family development. The non-residential raw water requirements were last modified in 1989 and are currently based on the tap size.

During the development of the proposal, staff used BBC Research and Consulting to refine and review the usage requirements per category type and test the potential impacts. BBC Research and Consulting presented their findings to the Water and Sewer Board in December. At that time, Board expressed its support for the proposal and staff started the Code revisions necessary to enact the policy changes. In the interim, staff also presented the modified raw water requirements to development interests at an open house in January and then to City Council at a work session in March.

The enclosed ordinance exhibit contains proposed revisions to Title 14 of the Greeley Municipal Code to effect these policy changes. Staff requests that the Water and Sewer Board review the proposed Code revisions and recommend to City Council the adoption of an ordinance to codify this change in raw water and dedication requirements to a volume of use based methodology.



Raw Water Dedication Requirements

2019 Tap Fees for New and Modified Water/Sewer Taps

Tap fees are charged for all new water connections and may be charged for modifications to existing connections. There are four components to the tap fee.

1. Cash in Lieu of Raw Water
2. Water Plant Investment Fee
3. Sewer Plant Investment Fee
4. Water Meter

A separate tap is required for each single-family detached and attached unit and for each multi-family and non-residential building. Buildings with mixed residential and commercial uses require separate taps for the residential and non-residential components of the building. All landscaping requires separate irrigation taps (except for residential 4 units or less).

Water Meter and Tap Sizing

- Residential single-family detached and attached houses normally have a ¾" tap and water meter.
- Multi-family and non-residential water taps and meters are sized based on the water use, which is determined by fixture, appliances and other water demands.
- Taps, water meters, and services lines must be the same size unless approved by the City.
- Non single-family projects must complete the City's Plumbing Data Sheet for sizing. Multi-family units with four or less units do not need to complete the Plumbing Data Sheet.

Cash in Lieu of Raw Water

- No Cash in Lieu fees are due if there is enough acceptable raw water dedicated to the City or if there is enough raw water credit associated with existing taps on the property being developed. Any raw water dedication must be approved by City staff.
- Cash in Lieu fees are based on the amount of water required for the project on an annual basis.
- Residential single-family detached and attached taps pay a standard fee based on the type of residential unit.
- Water demand for non-residential projects are calculated based on the type of business, the square footage of the business area, and the square footage and type of landscaping.
- Cash in Lieu fees are paid according to each user's service commitment. Each customer's service commitment represents its expected annual volume of water use.
- Service commitments must be recorded with the Weld County Clerk and Recorder.
- Because the establishment of landscaping may require extra watering, exceeding the service commitment during the first full calendar year of water service for the new

commercial or multi-family customer will not be considered as an overage and no raw water surcharge payment will be due.

- If water use in a new commercial, mixed use, or multi-family building (greater than 4 units) exceeds its service commitment in any calendar year, the owner will be required to pay a raw water surcharge for the volume of water exceeding the service commitment. The water user will be given the option to apply their raw water surcharge payment to purchase additional raw water through a Cash in Lieu payment. Additional raw water purchases must be a minimum of 1/8 of an acre foot (41,000 gallons) of water.
- Service commitment pricing is based on the current Cash in Lieu of water prices for Greeley.

Water Plant Investment Fee

- For the domestic water tap (the tap serving the building), the water plant investment fee (PIF) is charged based on the size of the water tap. See the 2019 Non-Residential Tap Fee Schedule for the PIF.
- For the landscaping water tap, a reduced PIF will be owed if at least 75% of the landscape is xeriscape. If the landscaping does not meet this threshold of water wise landscaping then the full PIF is owed. See the 2019 Non-Residential Tap Fee Schedule for the PIF.
- The fee recovers the cost related to the potential peak flow of water through a water tap.
- The City’s treatment and distribution system must be sized for the combined peak flows of all the individual taps. Each tap must pay for its portion of the total system peak flow.

Water Meter Charge

- The water meter charge is per each meter installed based on the size of the meter.
- Meters used are provided by the City.

Sewer Plant Investment Fee

- The sewer plant investment fee is charged based on the size of the domestic water tap.

Payment Timing

Building and irrigation tap fees are paid at the time of building permit issuance.

2019 Residential Tap Fee Schedule				
	Meter Charge	Water PIF	Cash in Lieu	Sewer PIF
Single-family per Unit	\$313	\$10,800	Lot Acreage x 3 AF/ac x CIL Price*	\$5,700
Multi-family per Unit if 4 Units or Less	Based on meter size	Based on meter size	Lot Acreage x 3 AF/ac x CIL Price*	\$2,850
*Three acre feet per acre is the standard raw water requirement for residential development. Developments with deed restrictions requiring low water use landscaping may qualify for a lower raw water requirement.				

Tap Fee Example:

A 20,000 square foot office building requiring an estimated 1.5” water tap would be calculated as follows:

Referring to the 1.5” water tap on the Non Residential Tap Fee Schedule you add the tap size components:

Meter Charge	\$1,428
Water Plant Investment Fee	\$36,000
Sewer Plant Investment Fee	\$19,000
Total	\$56,428

The next step is to look up the Office business category in the 2019 Business Category and Water Use table. Multiply 14 gallons per square foot by 20,000 square feet for a total annual gallons requirement of 280,000 gallons. Divide that by 325,851 (gallons in an acre foot of water) to determine the water resource service commitment. Multiply that by the \$31,000 Cash in Lieu cost listed on the Non-Residential Tap Fee Schedule for the total Cash in Lieu cost of \$26,638. Add the two totals together for an estimated tap fee of \$83,066.

Category Name	Units	Unit Use (Gallons per unit per year)
Auto Service & Repair	sf	12
Car Wash	bay	1,350,000
Childcare	sf	47
Church	sf	4.5
Grocery Store	sf	20
Gas Station w/o Car Wash	sf	93
Hospital	sf	21
Hotel/Motel	room	30,300
Medical Office	sf	25
Multi-family (greater than 4 units)	unit	35,500
Office	sf	14
Recreation w/ pool	sf	122
Recreation w/o pool	sf	25
Restaurant	sf	188
Retail	sf	16
School	sf	11
Warehouse	sf	5
Industrial	Determined on a case by case basis	

Restaurant outdoor seating areas with partial or full seasonal coverings are counted at 50% for building square footage.

2019 Non-Residential Tap Fee Schedule					
Meter Size	Meter Charge	Water PIF	Irrigation Water PIF if $\geq 75\%$ Xeriscape	Cash in Lieu	Sewer PIF
5/8" & 3/4"	\$313	\$10,800	\$2,700	Calculated based on Water Resources allocated	\$5,700
1"	\$456	\$18,000	\$4,500		\$9,500
1-1/2"	\$1,428	\$36,000	Landscape meters larger than 1" pay full PIF		\$19,000
2"	\$1,637	\$57,500			\$30,300
3"	\$7,371	\$126,000			\$66,400
4"	\$10,752	\$216,000			\$113,700
6"	\$13,771	\$450,000	\$237,000		

Irrigation Tap Fees

Irrigation tap fees are charged based on the irrigation area and the landscape type. The size of the tap determines the water plant investment fee and meter charge. The raw water requirement is determined based off the area and type of landscaping. Landscape plans with more than 75% high water use vegetation are assumed to be entirely high water using and calculated as such.

High Water Use (>14 gals/sf annual use)	$(CIL \text{ price} \times 3)/43,560 = \text{raw water charge/sf}$
Medium Water Use (10-14 gal/sf annual use)	$(CIL \text{ price} \times 2.3)/43,560 = \text{raw water charge/sf}$
Low Water Use (<10 gals/sf annual use)	$(CIL \text{ price} \times 1.6)/43,560 = \text{raw water charge/sf}$
No Irrigation	No raw water charge

Non-Potable Water Service

The utilization of Greeley's non-potable water supplies is an important component of the City's long-term water resource plan. Non-potable water systems are required for developments having 20 acres or more of common open space irrigation. Developments with less than 20 acres of common space irrigation and that can be economically connected to the City's existing non-potable distribution infrastructure will be encouraged to utilize non-potable water to serve all irrigation needs. Financial incentives may be available to make the use of non-potable water on the site advantageous.

Service Commitment Agreement



This agreement is applicable for the property and water tap listed below. It is entered into by the current property owner but remains in effect for the property regardless of future ownership. This agreement may be amended if the current owner and the City of Greeley so desire. Once signed, this agreement must be recorded with the Weld County Clerk and Recorder.

Attach legal description. Properties with multiple taps specify service are by tap. Each separate tap requires a separate Service Commitment Agreement.

Location: _____ Permit Number: _____

Owner: _____

The City of Greeley, in conjunction with the issuance of water tap for the above-mentioned property, holds a service commitment of _____ acre feet, a _____ inch meter service, and a _____ inch water tap. To determine the service commitment of said property you must refer to the Raw Water Dedication Requirements document. If the actual water usage exceeds the projected usage a raw water surcharge will be assessed. Additionally if the actual type of use differs from the proposed use, the owner may be subject to subsequent review and or additional charges.

The Proposed use is as follows:

Use Category	Number of Units
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Sewer tap fees and service commitments are based on the size of the water tap installed. Additional sewer tap may be charged if the water tap size is changed.

Water tap fees for irrigated areas are based on the size of the area and the type of landscaping. Changes to either the area or type of landscaping may result in the future review and or the imposition of additional fees.

Irrigation: To be on separate agreement.

Property Owner Signature	Date
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Print Name	Title
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Company name	Company Address
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City	State	Zip
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City of Greeley Signature	Date
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Print Name	Date
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EXHIBIT A
ORDINANCE REVISING TITLE 14
GREELEY MUNICIPAL CODE

Chapter 14.04
Water and Sewer Administration

14.04.080 - Duties, fees and charges.

The Water and Sewer Board shall adopt by resolution the following rates, fees and charges:

- (1) Minimum and sufficient potable water rates;
- (2) Minimum and sufficient sanitary sewer rates;
- (3) Cash-in-lieu fees;**
- ~~(34)~~ Raw water surcharges;
- ~~(45)~~ Water plant investment fees;
- ~~(56)~~ Sewer plant investment fees; and
- ~~(67)~~ Water turn-on charges.

~~14.04.180 – Water or sanitary sewer service; permit required, procedure.~~

~~It is unlawful for any owner or user of water to turn or cause to be turned on water for his or her premises or to take and use water or sanitary sewer service on his or her premises, without having obtained a permit therefor. Such person shall make application in writing to the Director of Finance for such permit, furnishing the necessary information for the determination of the proper water or sewer rate, and upon receipt of such information and payment of the required fees, the permit shall be issued by the Director of Finance.~~

~~14.04.190 – Contents of permits.~~

~~All permits shall be signed by the Director of Finance and shall set forth the name of the person for whose benefit it is granted, the date thereof, the point of the water main at which tapping is to be done, the size of the tap, the premises to which water is to be conducted and the use to be made of water.~~

~~14.04.200 – Service line extensions prohibited; exceptions.~~

~~(a) Each building shall be served by a single water and sewer tap and service line. No service line shall be extended to serve any other buildings, lots or premises. The Director of Water and Sewer has the authority to grant exceptions for accessory uses on the same or adjoining lot.~~

~~(b) A prohibited service line extension, installed prior to the effective date of this ordinance, may remain in effect so long as it does not create a sanitation, public health or public nuisance problem. If a prohibited service line extension creates a sanitation, public health or public nuisance problem, it shall be separated at the expense of the subject property owner(s). In addition to the cost of installing tap(s) and service line(s), the owner(s) of the lot(s) or premises involved who have not previously paid plant investment fees shall be required to pay plant investment fees for the new tap(s) installed. The current plant investment fee schedule shall be the basis for such payment. Plant investment fees for compound taps installed prior to January 20, 1959, will be waived. Any subject property owner who fails to separate a prohibited service line extension as required herein may be subject to such penalties as provided in Section 14.04.270 or Section 14.08.240 of this Code.~~

~~(c) The use of a common service line by abutting property owners shall not alter the maintenance responsibility by the users of the common service line. The common service shall not constitute a public responsibility and the Director of Water and Sewer shall not perform maintenance or repair on the separate or combined service lines that may serve abutting properties.~~

14.04.210~~180~~ - Standards for design and construction.

The Director of Water and Sewer shall adopt and publish design and construction standards for water and sanitary sewer facilities to be connected to the City system or installed within its jurisdiction. The design and construction of water and sanitary sewer mains and appurtenances shall conform to the published standards, unless deviations from those standards are approved in writing by the Director of Water and Sewer. The City may refuse to accept facilities inadequately constructed or constructed in variance with City requirements. The City shall be held harmless for the engineer's or installer's failure to conform to City standards and specifications.

14.04.220~~190~~ - Water and sewer line construction plan approval.

For the purpose of establishing uniformity in construction of water and sewer lines, it shall be the duty of the Director of Water and Sewer to approve all plans and specifications for water and sewer lines prior to construction. Construction of water and sewer mains shall not start until all applicable plan review or inspection fees have been paid. All plans showing as-constructed conditions shall be made a matter of record and shall be kept on file for the use of the City and public in maintenance, construction, alteration and repair of water and sewer lines.

14.04.230~~200~~ - Right of entry.

Upon presentation of proper credentials, the Director of Water and Sewer or the Director's designee may enter, at reasonable times, any subdivision, building, premises or area served by the Water and Sewer Enterprises or on which water and sewer facilities, easements or other legal interests exist, to perform any duty imposed upon the Director by this Code.

14.04.240~~210~~ - Stop-work authority.

Whenever any work is being done contrary to the provisions of this Code, the Director of Water and Sewer may order the work stopped by notice in writing, served on any person engaged in doing or causing such work to be done, and any such person shall forthwith stop such work until authorized by the Director of Water and Sewer to proceed with the work.

~~14.04.250 - Permit, tap or connection authority.~~

~~It is unlawful for the Director of Finance to issue any permit for any connection with the waterworks or any other purposes in any manner other than is provided by this Chapter, or for the Director of Water and Sewer to permit any tap or connection to be installed or made contrary to this Code and ordinances of the City until a permit has been issued and delivered to the Director, or contrary to or in excess of the provisions thereof.~~

14.04.260~~220~~ - Appeals.

If a person **or entity** wishes to appeal any decision of the Director of Water and Sewer pursuant to the provisions of this Chapter or Chapters 14.08 or 14.12 **Title 14**, that person **or entity** shall file a written request with the Director asking that the Director's decision be reduced to writing and submitted for review by the Water and Sewer Board. **Such review shall be**

considered as soon as reasonably possible. Appeals of decisions by the Water and Sewer Board, excluding matters pertaining to the minimum water and sanitary sewer rates, shall be submitted in writing to the City Clerk ~~and addressed to the Mayor~~ and considered by the City Council. Both the Water and Sewer Board and the City Council reserve the right, at any stage, to either refer the matter to an outside claims adjuster or to request mediation by an outside agent.

14.04.270~~230~~ - Violations; penalties.

Any person or entity convicted of violating any provision of this ~~Chapter or Chapter 14.08, 14.12, 14.20 or 14.24~~ Title 14 related in regard to the tapping water or sewer mains, ~~laying service pipes and stopcocks or~~ installing water service lines, meters, or other infrastructure, and taking and using water or sewer service through any of the same, shall be punishable as provided in Chapter 1.32.

Chapter 14.06 Water Service

14.06.010 – Initiation of water service; service commitment agreements.

Commented [DB1]: 14.04.180, 14.04.190, and 14.04.250

(a) Any person or entity seeking water service from the City shall make a request for such service within the associated land use or development application process required by Title 18. If the person or entity seeking water service is not pursuing a land use or development application, the request shall be made in writing to the Director of Water and Sewer. It is unlawful for a person or entity to take and use water service from the City without first obtaining authorization from the Director of Water and Sewer.

(b) Requests for water service made through the land use or development application process required by Title 18 shall be forwarded to the Director of Water and Sewer. All requests for water service shall include the information necessary to determine all applicable fees and rates for such service. The Director of Water and Sewer shall not authorize any such water service until all required information is received and all required fees are paid.

(c) All applicants granted authorization for water service to non-residential and multi-family residential developments with more than four (4) units within the City limits shall execute a Service Commitment Agreement to be recorded with the Weld County Clerk and Recorder setting forth the details and parameters of such service, including (i) the person or entity to whom service is granted, (ii) the date upon which service shall commence, (iii) the specific location at which the tap or service connection shall be made, (iv) the permitted size of the tap or service connection, (v) a description of the property to which service will be provided, and (vi) the permissible uses of water on the property.

14.06.020 - Tapping for water without authority unlawful.

Commented [DB2]: 14.08.010 and 14.04.250

It is unlawful for a person or entity to make a service connection with any water pipe or main of the waterworks without authorization from the Director of Water and Sewer, or for a person or entity so authorized to install a tap or other service connection to the waterworks contrary to the provisions of this Title 14.

14.06.030 - Certain water usage, turning on water unlawful.

Commented [DB3]: 14.08.020

(a) It is unlawful for a person or entity to use water through a tap or other service connection with any water pipe or main of the waterworks in a manner contrary to the provisions of this Title 14.

(b) It is unlawful for a person or entity to turn on water service to a property, or to otherwise use water through a tap or other service connection to a property, when the Director of Water and Sewer has directed that water service to such property be turned off.

(c) The Director of Water and Sewer has the authority to designate water enforcement officials for the City.

14.06.040 - Taps required; service line extensions prohibited.

(a) Each detached single-family residential building, multi-family residential building, and non-residential building shall be served by a minimum of one (1) separate water tap and service line. Buildings with mixed residential and non-residential uses shall be served by separate water taps for the residential and non-residential components of the development.

(b) A separate and additional landscape irrigation tap shall be required for all non-residential buildings and multi-family residential buildings with more than four (4) units. The Director of Water and Sewer has the authority to grant a variance to the landscape irrigation tap requirement in this Section upon a written finding that the subject property can be served by a single tap due to minimal landscaping irrigation demand.

(c) It is unlawful for a person or entity to extend a service line to serve any other buildings, lots or premises contrary to the requirements of this Section. Notwithstanding the foregoing, the Director of Water and Sewer has the discretionary authority to grant variances when appropriate for accessory uses on the same property or an adjoining lot.

(d) A prohibited service line extension that was installed prior to July 1, 2019, may remain in effect so long as it does not create a sanitation, public health or public nuisance problem. If, in the discretion of the Director of Water and Sewer, a prohibited service line extension creates a sanitation, public health or public nuisance problem, the subject property owner(s) shall separate the compound tap at their own expense.

(e) The owner of a property to which a new water service line is installed after the associated separation of a compound tap shall be required to pay all fees applicable to the initiation of water service to the subject property, including, without limitation, the costs required to install another water tap and service line. Plant investment fees that would otherwise be due and payable for a new water service line installed pursuant to this Section shall be waived upon a written finding of the Director of Water and Sewer that there will be no increase in water service to the subject property.

(f) The use of a common service line by abutting property owners shall not alter the maintenance responsibility of the users of the common service line. The common service shall not constitute a public responsibility and the Director of Water and Sewer shall not perform maintenance or repair on the separate or combined service lines that may serve abutting properties.

14.06.050 – Cash in lieu of raw water required; single-family and small multi-family residential.

(a) All applicants for water service to single-family residential and multi-family residential developments with four (4) units or less within the City limits shall furnish to the City a cash-in-lieu fee as a prerequisite to, and as a part of the consideration for, City water service to the subject property.

(b) The cash-in-lieu fee for single-family residential and multi-family residential developments with four (4) units or less shall be set by resolution of the Water and Sewer Board and calculated as the cash equivalent of three

Commented [DB4]: 14.04.200

Commented [DB5]: 14.24.100

(3) acre-feet of water per acre, or fraction thereof, of property to which water service will be provided, using the fair market value of water per acre-foot.

14.06.060 - Cash in lieu of raw water required; non-residential and large multi-family residential

Commented [DB6]: 14.24.100

(a) All applicants for water service to non-residential and multi-family residential developments with more than four (4) units within the City limits, including, without limitation, commercial, industrial, and group housing (apartment buildings, condominiums, nursing homes, hotels, and motels), shall furnish to the City a cash-in-lieu fee as a prerequisite to, and as a part of the consideration for, City water service to the subject property.

(b) The cash-in-lieu fee for non-residential and large multi-family residential developments shall be set by resolution of the Water and Sewer Board and calculated by multiplying the Water Service Demand for the subject property by the fair market value of water per acre-foot. The Water Service Demand for non-residential and large multi-family residential developments shall be determined by multiplying the total Units proposed by the applicant by the Average Unit Use, as set forth in the Business Category and Water Use Table below.

Business Category and Water Use

<u>Category</u>	<u>Units</u>	<u>Average Unit Use (Gallons per Unit per Year)</u>
<u>Auto Service and Repair</u>	<u>sf</u>	<u>12</u>
<u>Car Wash</u>	<u>bay</u>	<u>1,350,000</u>
<u>Childcare</u>	<u>sf</u>	<u>47</u>
<u>Church</u>	<u>sf</u>	<u>4.5</u>
<u>Grocery Store</u>	<u>sf</u>	<u>20</u>
<u>Gas Station without Car Wash</u>	<u>sf</u>	<u>93</u>
<u>Hospital</u>	<u>sf</u>	<u>21</u>
<u>Hotel/Motel</u>	<u>room</u>	<u>30,300</u>
<u>Medical Office</u>	<u>sf</u>	<u>25</u>
<u>Multi-Family Residential (Greater than 4 Units)</u>	<u>unit</u>	<u>35,500</u>
<u>Office</u>	<u>sf</u>	<u>14</u>
<u>Recreation with Pool</u>	<u>sf</u>	<u>122</u>
<u>Recreation without Pool</u>	<u>sf</u>	<u>25</u>
<u>Restaurant (Outdoor Seating Areas 50%)</u>	<u>sf</u>	<u>188</u>
<u>Retail</u>	<u>sf</u>	<u>16</u>
<u>School</u>	<u>sf</u>	<u>11</u>
<u>Warehouse</u>	<u>sf</u>	<u>5</u>

<u>Industrial</u>	<u>Demand determined on case-by-case basis</u>
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14.06.070 - Cash in lieu of raw water; exception for large parcel single-family residential.

Commented [DB7]: 14.24.185

(a) The cash-in-lieu fee requirement set forth in Section 14.06.050 shall not apply to applications for domestic water service to parcels of land exceeding one (1) acre that contain only one (1) single-family residence. Any application for water service to such a parcel through a tap larger than three-quarters of an inch (¾”) in diameter is not considered domestic, and therefore ineligible for the exception in this Section.

(b) All applicants for large parcel single-family residential water service pursuant to this Section shall furnish to the City a cash-in-lieu fee as a prerequisite to, and as a part of the consideration for, City water service to the subject property. The cash-in-lieu fee for large parcel single-family residential water service pursuant to this Section shall be set by resolution of the Water and Sewer Board and calculated as the cash equivalent of three (3) acre-feet of water per ¾” domestic tap, using the fair market value of water per acre-foot.

14.06.080 – Determination of fees for cash in lieu of raw water.

Commented [DB8]: 14.24.100

(a) The cash-in-lieu fee requirement associated with a request for water service, as set forth in Sections 14.06.050 through 14.06.070, shall be determined at the time that request is made. However, all pending requests for water service shall be reviewed every six (6) months. If at the time of any such review the cash-in-lieu fees set by resolution of the Water and Sewer Board have changed, the cash-in-lieu fee associated with that request for water service shall be updated accordingly. The Water and Sewer Board shall determine, in its sole discretion, the fair market value of water utilized to calculate cash-in-lieu fees pursuant to this Chapter 14.06.

(b) The cash-in-lieu fee requirements set forth in set forth in Sections 14.06.050 through 14.06.070 shall be applied one (1) time only to any development, subdivision, or parcel of land within the City limits for which water service is requested, unless such parcel is redeveloped, further subdivided, or an additional water tap or service is requested. If redevelopment or further subdivision is made of any such parcel of land, the cash-in-lieu fee requirements set forth in Sections 14.06.050 through 14.06.070 shall be applied to all parcels where an additional water tap or service is requested.

14.06.090 - Raw water surcharge and supplemental cash in lieu of raw water; exception.

Commented [DB9]: 14.24.100

(a) A non-residential or large multi-family residential customer whose metered water use in a calendar year exceeds its annual allotment shall be required to pay a raw water surcharge on the volume of water used in excess of such allotment, as set forth in its Service Commitment Agreement.

(b) Non-residential and large multi-family residential customers who initiated water service prior to the enactment of the ordinance codified in this Section and have not executed a Service Commitment Agreement shall be entitled to an annual allotment in accordance with the raw water dedicated or cash in lieu of raw water it paid upon initiation of service. Any such customer whose metered water use in a calendar year exceeds its annual allotment shall be required to pay a raw water surcharge on the volume of water used in excess of such allotment.

(c) Large parcel single-family residential customers shall be entitled to an annual allotment of three (3) acre-feet per ¾” domestic tap. Any such customer whose metered water use in a calendar year exceeds its annual allotment shall be required to pay a raw water surcharge on the volume of water used in excess of such allotment

(d) The raw water surcharge applicable to customers pursuant to this Section shall be set by resolution of the Water and Sewer Board. Any customer who incurs a raw water surcharge may apply its raw water surcharge payment to a supplemental cash-in-lieu fee. Any such supplemental cash-in-lieu fee shall be calculated using the fair market value of water per acre-foot, as set by the Water and Sewer Board and in place when the raw water surcharge payment is due and payable, and shall result in a corresponding increase to the annual allotment for that customer, whether as determined in accordance with this Section 14.06.090 or as set forth in its Service Commitment Agreement.

(e) Any customers whose metered water use during its first full calendar year of water service exceeds its annual allotment shall be exempt from the raw water surcharge requirements of this Section for that first year only.

14.06.100 - Credit for raw water supplies dedicated or cash in lieu of raw water paid; existing taps.

Commented [DB10]: 14.24.100

(a) An applicant for water service shall not be required to pay a cash-in-lieu fee if the raw water dedication or cash in lieu of raw water requirement for the subject property was satisfied in full prior to the enactment of the ordinance codified in this Section. Notwithstanding the foregoing, any such applicant that seeks to initiate new water service, change the type of water service, or change the use of a non-residential development shall be subject to the cash-in-lieu fee requirements set forth in Sections 14.06.050 through 14.06.070.

(b) Any customer that seeks to abandon an existing water tap in favor of a smaller or larger tap to serve the same property shall be entitled to a credit against the cash-in-lieu fee requirements set forth in Sections 14.06.050 through 14.06.070. Such credit shall be equal to the raw water previously dedicated or cash-in-lieu fee previously paid for development of the subject property. If there are no records to evidence the previous dedication of water rights or payment of cash-in-lieu fee for the subject property, such credit shall be equal to the then current cash-in-lieu fee value associated with the abandoned tap, but shall not include credit for any fire flow diameter associated with the abandoned tap.

(c) Any credit issued for an abandoned tap pursuant to this Section shall not exceed the cash-in-lieu fee due and payable for the replacement tap; the City shall not be required to provide cash refunds for any such credit.

14.06.110 - Plant investment fees for water service; inside and outside the City.

Commented [DB11]: 14.08.030, 14.08.040, 14.08.050, and 14.08.060

(a) All applicants for water service, whether inside or outside the City limits, shall furnish to the City a water plant investment fee as a prerequisite to, and as a part of the consideration for, City water service to the subject property. The water plant investment fee shall be the minimum amount set by resolution of the Water and Sewer Board, unless subsequently increased by resolution of the City Council. The diameter of a service line water tap installed for fire suppression purposes shall not be considered when calculating plant investment fees due pursuant to this Section.

(b) Upon approval of the Director of Water and Sewer, plant investment fees may be based on the volume of a customer's annual allotment rather than the diameter of its tap. When the Director of Water and Sewer authorizes a plant investment fee based on size of service, the schedule of tap fees set by resolution of the Water and Sewer Board shall be applied in accordance with the size of service.

14.06.120 – Installation costs for water service.

Commented [DB12]: 14.08.040 and 14.08.060

In addition to the water plant investment fee requirement set forth in Section 14.06.110, an applicant for water service shall pay for all meters, labor and other materials required to tap the water main, to install service pipes, and to trench and repair the street, as such costs are determined by the Director of Water and Sewer. All costs shall be paid by the applicant in advance of such work and no later than the time at which a building permit is issued by the City for the subject property.

14.06.130 - Water plant investment fee credits and exchange; renovations.

Commented [DB13]: 14.08.055 and 14.08.056

(a) Any customer that seeks to abandon an existing water tap in favor of a smaller or larger tap to serve the same property shall be entitled to a credit against the water plant investment fee requirement set forth in Section 14.06.110. Such credit shall be equal to the then current plant investment fee value associated with the abandoned tap, but shall not include credit for any fire flow diameter associated with the abandoned tap. Any credit issued for an abandoned tap pursuant to this Section shall not exceed the water plant investment fee due and payable for the replacement tap; the City shall not be required to provide cash refunds for any such credit.

(b) Any tap abandoned pursuant to this Section shall be turned off at the main, and the costs associated with turning off the abandoned tap shall be borne by the person or entity requesting the change of service.

(c) Any customer that renovates one (1) or more residential units that were constructed prior to January 20, 1959 and is accordingly required to replace an existing tap that serves such residential units to comply with the current minimum tap size requirements established by the Water and Sewer Board shall not be required to furnish an additional water plant investment fee if (i) the renovation does not increase the number or size of the residential units, and (ii) the use of the subject property is not changed.

14.06.140 - Water rights dedication variance and criteria.

Commented [DB14]: 14.24.095

(a) The Director of Water and Sewer has the discretionary authority to grant a variance to an applicant for water service, allowing that applicant to dedicate water rights to the City in place of the cash-in-lieu fee requirements set forth in Sections 14.06.050 through 14.06.070. The transfer of any such water rights approved for dedication to the City shall be made no later than the date on which a final plat for the development is approved.

(b) Any such water rights accepted in dedication pursuant to this Section shall meet the legal criteria under Colorado law necessary to convert water to municipal use by the City, including, without limitation, sustained historical consumptive use. Any such water rights shall also meet the criteria for dedication of water rights to the City set forth by resolution of the Water and Sewer Board.

14.06.150 – Payment of fees and costs; exception.

Commented [DB15]: 14.24.120 and 14.24.130

(a) Payment in full of costs and fees required pursuant to this Chapter 14.06 shall be a prerequisite to receiving City water service, and all such costs and fees required shall be due and payable by the applicant no later than the date on which a building permit is issued.

(b) Notwithstanding the procedures set forth in this Chapter 14.06, any shareholder of the Greeley-Loveland Irrigation Company who holds a valid domestic water shareholder agreement with the City shall follow the procedures set forth in that contract.

14.06.160 – Water service outside the City limits.

Commented [DB16]: 14.24.080

The Director of Water and Sewer may consider applications for extraterritorial water service from persons or entities located outside the City limits. Any such extraterritorial water service authorized shall be contingent upon receipt by the City of written consent to the service from the jurisdiction in which the extraterritorial customer is located, if so required. Any person or entity granted such extraterritorial water service shall agree to transfer when a request for City water is made, at no cost to the City, certain water rights, including Northern Colorado Water

Conservancy District allotments, irrigation water and carriage rights of such water, to the City before receiving water service from the City.

14.06.170 – Transfer of water rights upon annexation.

Commented [DB17]: 14.24.090

Any petitioners requesting annexation of their land to the City shall agree, as a prerequisite to receiving approval of such annexation and on behalf of themselves and all successors in interest to the land to be annexed, to transfer, at no cost to the City, water rights, including Northern Colorado Water Conservancy District allotments, irrigation water and carriage rights upon subdividing and/or requesting domestic water service to the City, before receiving the approval of the annexation.

14.06.180 - Special agreements approved by City Council.

Commented [DB18]: 14.24.100(g)

The provisions of this Chapter 14.06 shall not preclude the City Council from approving special agreements with applicants for water service regarding the requirements for development within the City.

14.06.190 - Meters required for water service; specifications and exceptions.

Commented [DB19]: 14.08.130, 14.08.140, 14.08.150, and 14.08.160

(a) It is unlawful for any person or entity to take, receive or use any water from the City waterworks for any purpose whatsoever, unless such water is measured through a meter. This requirement shall not apply to residential fire sprinkling lines which are two (2) inches or less in diameter and which serve only the fire suppression system.

(b) Failure to install a meter before water is used is punishable under Chapter 1.32 and shall result in the water being turned off to the property until a meter is installed and all penalties and fines are paid in full .

(c) All meters installed shall be of a type, size and design approved by the Director of Water and Sewer. There shall be only one (1) meter for each water tap installed, and each meter shall be of the same size as the associated water tap. The Director of Water and Sewer shall have the discretion to adjust meter size requirements based on AWWA standards.

(d) Each meter shall be placed under the direction of the Director of Water and Sewer, and each new meter shall be installed outside in a code meter pit/vault. Each meter shall be supplied with a stopcock on the inlet side of the voke. Existing meters inside buildings must have a stopcock on both sides of the meter. All meters shall be located where accessible for inspection and/or repair at any time during business hours. Meters previously installed inside buildings shall be relocated outside to code meter pits/vaults when the building is remodeled, plumbing systems are modified, accessibility becomes limited, or as otherwise directed by the Director of Water and Sewer .

14.06.200 - Testing, maintenance and repair of meters.

Commented [DB20]: 14.08.170

(a) All new meters shall be tested before being installed. The Director of Water and Sewer shall make periodic tests of water meters and order replacement or repair of meters as needed.

(b) The Director of Water and Sewer shall maintain all meters for costumers being served and billed directly by the City. Property owners shall be responsible for any damage to meters and their appurtenances caused by abuse, negligence or vandalism.

(c) Property owners shall purchase new meters prior to reactivating service for vacant properties when the meters become obsolete or no longer meet AWWA standards for accuracy and performance.

(d) Property owners shall be responsible for the maintenance of meter pits/vaults and covers. Failure to make repairs when notified by the Director of Water and Sewer shall result in the water being turned off until repairs are completed.

14.06.210 - Meter failure: computation of charges.

Commented [DB21]: 14.08.080

(a) If any meter fails to register in any billing period, the customer shall be charged based upon the average consumption for the same period in the two (2) years immediately preceding the meter failure, and accordingly billed at the current rates. If a meter is tested in accordance with Section 14.06.200 and be found to be inaccurate by five percent (5%) or more, the customer's bill shall be adjusted as indicated by the test for the current billing period and the one (1) immediately preceding billing period.

(b) In the event a particular customer account is found to have been misclassified, the City is authorized to make appropriate billing adjustments where warranted, based upon information obtained concerning the particular customer account.

14.06.220 - Consent to withdrawal of nontributary groundwater.

Commented [DB22]: 14.24.125

(a) All nontributary groundwater, including but not limited to waters of the Dawson, Denver, Arapahoe, Laramie-Fox Hills and Dakota aquifers, are incorporated into the City's actual service plan as authorized by Section 37-90-137(8), C.R.S. The land area in the actual municipal service plan is all that area within the City boundary as of January 1, 1985, except that land north of the Cache la Poudre River. Public interest justifies the use of nontributary groundwater underlying the service area.

(b) Upon the effective date of the original ordinance codified in this Section (January 21, 1986), the owners of all land in the service area shall be deemed to have consented to the withdrawal by the City of all such nontributary groundwater unless consent is withheld pursuant to the above described state statute.

(c) All applicants granted authorization for water service shall execute, as a prerequisite to such service, a consent agreement approving the withdrawal by the City of all nontributary groundwater as described herein from the land being served.

Chapter 14.08
Water **Rates and Regulation**

14.08.010 – Tapping for water without authority unlawful.

It is unlawful for any person authorized by ordinance to make any connection with any water pipe or main of the waterworks, or for any authorized person to put in any tap contrary to the provisions of this Chapter or Chapters 14.04, 14.12, 14.20 or 14.24.

14.08.020 – Certain water usage, turning on water unlawful.

(a) It is unlawful for any water consumer to use water through any tap or service connected with such water mains as are described in Section 14.08.010 contrary to the provisions of this Chapter, of Chapters 14.04, 14.12, 14.20 or 14.24 or to turn on water to his or her premises, lot buildings or house when the water has been turned off.

~~(b) The Director of Finance or the Director of Water and Sewer has the explicit authority to designate a water enforcement official for the City.~~

~~14.08.030 – Plant investment fees designated for service inside City.~~

~~The water plant investment fee inside the City limits shall be the minimum fee as approved by the Water and Sewer Board, unless increased by resolution by the City Council.~~

~~14.08.040 – Installation costs; payments due; plant investment fee computed.~~

~~(a) In addition to the fee provided at Section 14.08.030, the owner, lessee or user of water shall pay for all meters, labor and other materials required in tapping the water main, installing the service pipes and trenching and repair of streets, as determined by the Director of Water and Sewer. All costs shall be paid in advance; except that in the case of undeveloped property, the owner, lessee or user of any water shall have the option of requesting that the plant investment fee provided for at Section 14.08.030 be paid at the time application is made for a building permit. The diameter of the water tap for a waterline installed for firefighting purposes shall not be considered in computing plant investment fees under the schedule set out at Section 14.08.030.~~

~~(b) Upon approval of the Director of Water and Sewer, plant investment fees may be based on the size of service rather than the diameter of the tap. When the Director of Water and Sewer authorizes a plant investment fee based on size of service, the above schedule of tap fees shall be applied as if the size of service were the diameter of the tap.~~

~~14.08.050 – Plant investment fee designated for service outside City~~

~~The water plant investment fee outside the City limits shall be the minimum fee as approved by the Water and Sewer Board, unless increased by resolution by the City Council.~~

~~14.08.055 – Water plant investment fee credit and exchange.~~

~~Where one (1) or more living units are being served by an existing tap and the owner, lessee or user of water being served by the existing tap desires to abandon such tap in favor of a larger or smaller tap to the same property, the plant investment fee established in Sections 14.08.030 and 14.08.050 shall be reduced by the current plant investment fee value of the existing tap to be abandoned but shall not include credit for the fire flow diameter. The abandoned tap shall be turned off at the main and the cost of the turnoff shall be borne by the person requesting the change of service. In no case shall the City provide cash refunds, and credit against new taps shall not exceed the plant investment fee of such new tap or taps.~~

~~14.08.056 – Additional credit and exchange; renovation.~~

~~In the event one (1) or more living units are being renovated and a larger water tap is required to meet the minimum tap size requirements established by the Water and Sewer Board, there shall be no additional water plant investment fee required on account of the renovation, provided that the units being renovated were constructed prior to January 20, 1959, and the renovation does not increase the number or size of the units and the use of the property is not being changed.~~

~~14.08.060 – Installation costs; advance payment for service outside City.~~

(a) In addition to the fee provided for at Section 14.08.050, the owner, lessee or user of water shall pay for all meters, labor and materials required in tapping the water main, installing the service pipes and trenching and repairing of streets, as determined by the Director of Water and Sewer. All costs shall be paid in advance.

(b) Upon approval of the Director of Water and Sewer, plant investment fees may be based on the size of service rather than the diameter of tap. When the Director of Water and Sewer authorizes a plant investment fee based on size of service, the above schedule of tap fees shall be applied as if the size of service were the diameter of tap.

14.08.070010 - Rates approved by Water and Sewer Board.

The water rates for both inside and outside the City shall be the minimum rates as approved by the Water and Sewer Board unless increased by resolution by the City Council.

14.08.080 – Meter failure; computation of charges.

(a) If any meter fails to register in any billing period, the consumer shall be charged based upon the average consumption for the same period in two (2) prior years and billed at the then current rates. Should a meter be tested in accordance with Section 14.08.170 and be found to be inaccurate by five percent (5%) or more, the customer's bill will be adjusted as indicated by the test for the current and one (1) preceding billing period.

(b) In the event a particular customer account is found to have been misclassified, the City is authorized to make appropriate billing adjustments where warranted, based upon information obtained concerning the particular customer account.

14.08.090020 – Payment of charges.

All rates for the use of water as provided in this ~~Chapter~~**Title 14** shall be due and payable to the Director of Finance at his or her office in the City Hall. In case any water user fails to pay all charges ~~under this Chapter~~ within thirty (30) days after the same become due, the same are delinquent and the City may disconnect water service from every premises, building, house or lot in default until the delinquent charges are paid, including payment of reconnection charges as provided in Sections 14.08.340220 and 14.08.350230.

14.08.400030 - Bills may be sent; sewer assessment included **process for bill disputes.**

The Director of Finance may, but shall not be required to, give notice to users of water of the amount of their water rates and when due, and he or she may include in such notice and shall collect with the water rates the sewer assessment provided for in Section 13.44.090 et seq., prorating such assessment with the water rates. **Any customer that believes its water and sewer bill contains improper charges may submit a bill dispute in writing to the Director of Water and Sewer.**

14.08.040 - Service line failure; computation of charges.

If a person or entity discovers a leak or other failure in its service line, and the Director of Water and Sewer finds that such leak or service line failure directly caused artificially elevated charges in a particular billing period, the customer may be charged based upon its average consumption for the same period in the two (2) years immediately preceding the leak or service line failure, and accordingly billed at the current rates.

14.08.410050 - Rebates for unused water prohibited.

There shall be no rebates ~~for unused water or for the cease of rental water use by a lessee to the owner on account of the owner or the tenant ceasing to use water before the expiration of the time period for which rental water has been paid.~~
rented.

14.08.120~~060~~ - Credits for unused water permitted.

Any water user under the flat rate provided for in this Chapter who completely vacates the premises for which such charge is made, for not less than thirty (30) days continuously during the period for which he or she has paid flat rate charges for water under this Chapter, shall be allowed credit on the portion of his or her bill which is charged for domestic water exclusive of lawns and sprinkling, in the proportion of such part of such bill that the period of vacancy bears to the full billing period for which flat rates are charged; provided, however, that such user shall notify the Director of Finance, in writing, at the beginning of such vacancy, that such premises are to be vacated, shall direct that all water for domestic (house) purposes be shut off from such premises, shall likewise notify the Director of the time when such water is to be again turned on, and shall request that the Director of Water and Sewer turn on the water to such premises. No such credit shall be allowed unless such premises are completely vacated for at least thirty (30) days continuously, nor unless such written notice is given, nor unless the Director of Water and Sewer is requested to turn on the water.

14.08.130 — Meters required for water service; exceptions.

~~It is unlawful for any person to take, receive and use any water from the City waterworks or mains in any building or any lot for any purpose whatsoever, except water used and measured through a meter. This requirement shall not apply to residential fire sprinkling lines which are two (2) inches or less in diameter and which serve only the fire suppression system.~~

14.08.140 — Failure to install meter.

~~Failure to install a meter before water is used, as provided in this Chapter, shall result in the water being turned off to the property until a meter is installed and penalties and fines are paid in full, as defined in Chapter 1.32 of this Code.~~

14.08.150 — Meter specifications.

~~All meters shall be of a type, size and design approved by the Director of Water and Sewer. For each water tap installed, there shall be only one (1) meter; and each meter shall be of the same size as the water tap. The Director of Water and Sewer shall have the discretion to adjust meter size based on AWWA standards.~~

14.08.160 — Stopcocks required; location of meter.

~~Each meter shall be placed under the direction of the Director of Water and Sewer, and each new meter shall be installed outside in a code meter pit/vault. Each meter shall be supplied with a stopcock on the inlet side of the yoke. Existing meters inside buildings must have a stopcock on both sides of the meter. All meters shall be located where accessible for inspection and/or repair at any time during business hours. Meters previously installed inside buildings shall be relocated outside to code meter pits/vaults when the following events occur: buildings are remodeled, plumbing systems are modified, accessibility becomes limited or as determined by the Director of Water and Sewer.~~

14.08.170 — Testing, maintenance and repair.

~~(a) All new meters are tested before being installed. The Director of Water and Sewer shall make periodic tests of water meters and replace the meters or repair them as needed.~~

~~(b) The Director of Water and Sewer shall maintain all meters for all consumers being served and billed directly by the City. Property owners shall be responsible for damages to meters and appurtenances caused by abuse, negligence or vandalism.~~

~~(c) Property owners shall purchase new meters prior to reactivating service for vacant properties when the meters become obsolete or no longer meet AWWA standards for accuracy and performance.~~

~~(d) Property owners shall be responsible for the maintenance of meter pits/vaults and covers. Failure to make repairs when notified by the Director of Water and Sewer shall result in the water being turned off until repairs are completed.~~

14.08.195070 - Cross-connection control.

(a) Purpose. This Section is intended to protect the City's potable waterworks from contamination by backflow from a property owner's internal plumbing system or private water system through an ongoing program of cross-connection control (also known as "containment"). Nothing in this Section relieves a property owner from the cross-connection control requirements of the plumbing code contained in ~~e~~Chapter 16.28 of this Code, which protects against backflow within a property owner's system (also known as "isolation").

(b) Definitions. As used in this chapter, unless the context otherwise requires:

Backflow means reversal of the normal direction of flow in the City's potable water works that can occur when pressure within a source connected to the City's system is greater than the water pressure within the City's potable water works.

Backflow preventer means a device, assembly, method or type of construction designed to prevent backflow into the City's potable water works by separating the property owner's water system from the City's water system.

Certified cross-connection technician means a person who meets the requirements of Article 12.2 of the Colorado Primary Drinking Water Regulations (as effective on March 30, 2004).

Cross-connection means a link between the City's potable water works and a potential source of contamination, which could allow such contamination to backflow into the City's system.

Industrial and commercial operations means any property or account whose operations are not strictly domestic residential.

(c) Illegal cross-connections. It is unlawful for any person to make, install, maintain or permit any cross-connection to the City's potable water works, except in accordance with the provisions of this Section.

(d) Backflow prohibited. Any backflow into the City's potable water works is strictly prohibited.

(e) Backflow preventers/inspection requirements.

(1) The Director of Water and Sewer shall identify those cross-connections requiring a backflow preventer based on the degree of hazard presented by such cross-connection, as determined by the Director of Water and Sewer. Such cross-connections shall at least include all industrial and commercial operations connected to the City's potable water works. All backflow preventers must be approved by, and installed in accordance with the standards and specifications established or adopted by, the Director of Water and Sewer.

(2) The property owner shall install, operate, test and maintain backflow preventers at his or her expense to protect the City's potable water works. The property owner shall have the backflow preventer tested upon installation by a certified cross-connection control technician, and annually thereafter, unless, due to the hazard presented by the connection, the Director of Water and Sewer requires more frequent testing. The property owner shall immediately repair or replace any backflow preventer found to be defective.

(3) The property owner shall submit records of testing, maintenance and repairs to the Water and Sewer Department within five (5) days of completing such activities. The property owner and the Water and Sewer Department shall retain such records for at least three (3) years.

(4) The Director of Water and Sewer retains the right to test or otherwise check the installation and operation of any backflow preventer to assure proper installation and operation.

(f) Survey and prevention. The Director of Water and Sewer is authorized to conduct surveys to identify hazardous cross-connections, verify the existence of backflow preventers, and to otherwise support a program to eliminate cross-connection hazards.

(g) Reporting of uncontrolled cross-connections. Any person who becomes aware of an uncontrolled cross-connection that may require a backflow preventer pursuant to this Section shall promptly report such connection to the Water and Sewer Department.

(h) Discontinuing water service. The Director of Water and Sewer may discontinue water service to any premises for which the owner fails to comply with the requirements of this Section, or to which the owner denies reasonable access to the Director of Water and Sewer as authorized by Section 14.04.239200 of this Chapter to determine compliance with this Section. Such discontinuance of water service may be summary, immediate and without written notice whenever the Director of Water and Sewer determines that such action is necessary to address an imminent threat to the City's water works or its water customers.

14.08.20080 - Repair of system; restriction of use.

The Director of Water and Sewer may, when he or she deems it necessary because of repair of any portion of the transmission or distribution system, restrict the use of water and, if need be, prohibit the use of water for sprinkling until the water system has been repaired.

14.08.22090 - Wasting water unlawful.

(a) It is unlawful for any person using City water to use said water to allow or permit water to run to waste upon his or her premises, buildings, houses or lots, in, through or out of any water closet lavatory, urinal, bathtub, hose, hydrant, faucet or other fixtures, appliances or apparatus whatsoever, or in any manner through neglect or by reason of faulty or imperfect plumbing or fixtures.

(b) It is unlawful for any person, partnership, company or corporation or other entity using City water, at any time during a declared drought, to use water to clean any hard surface upon or adjacent to the premises, building, house or lot. For purposes of this Section, hard surface includes but is not limited to driveways, sidewalks and streets and street gutters. Use of water in cleaning property such as roof gutters, eaves, windows or in preparation for painting is allowed as long as waste does not occur.

(c) It is unlawful for any person, partnership, company or corporation or other entity using City water to allow, either manually or automatically, the sprinkling or watering of hard surface; to allow excessive runoff of water from the premises, building, house or lot; and/or to allow the excessive pooling of water upon or adjacent to the premises, houses or lots. Runoff that is more than five (5) gallons per minute is considered excessive.

(d) Penalties. (1) Any person who violates any of the provisions of this Section is guilty of violation of this Section and shall be punished by a fine of one hundred dollars (\$100.00) for the first conviction during the calendar year, two hundred fifty dollars (\$250.00) for the second conviction during the calendar year, five hundred dollars (\$500.00) for the third conviction during the calendar year and five hundred dollars (\$500.00) and a flow restrictor to limit water to indoor use only

of water service for the fourth conviction during the same calendar year may be required. (2) Each day of violation shall constitute a separate offense as provided in Section 1.32.020 of this Code.

(e) Intent. The violations described in this Section are strict liability offenses, as defined in Chapter 10 of this Code.

14.08.230100 - Maintenance required.

The owner of any premises for which a connection is made and a stopcock with box and cover placed as provided at this Chapter and Chapter 14.04 in this Title 14 shall keep such stopcock with box and cover placed as aforesaid in good condition at his or her expense and so that the Director of Water and Sewer is able to turn off water from his or her service pipes at any time. From such stopcock to, in and upon his or her premises, the owner shall provide his or her own pipe and plumbing, which shall be constructed and placed so as to comply with all ordinances upon plumbing and shall, at his or her expense, at all times, keep all pipes, fixtures and appliances on his or her premises tight and in good working order so as to prevent waste of water. In case any pipe or fixture breaks or become imperfect, or so as to waste water, he or she shall forthwith repair the same and keep the same in repair.

14.08.240110 – Unlawful failure to maintain; notice and turnoff.

It is unlawful for any owner or user of water to fail to comply with the provisions of Section 14.08.230100 and, until his or her pipes and fixtures are placed in good repair, the Director of Water and Sewer shall turn off all water from such premises. ~~In case~~ If the Director of Water and Sewer ~~discovers~~ shall, on inspection, ~~ascertain~~ that any plumbing or fixtures of any premises are so defective as to waste any water, he or she shall notify the owner or user of water to repair the same immediately and, if not repaired within twenty-four (24) hours, he or she shall turn off the water from such premises, and the same shall remain turned off until such plumbing and fixtures are repaired.

14.08.250120 - Damaging waterworks or protections thereto unlawful.

It is unlawful for any person to injure or otherwise damage any property or appliances constituting or being a part of the waterworks or any fence, guardrails, boxes, covers or buildings constructed and used to protect the waterworks or any part thereof.

14.08.260130 - Trespassing or interfering with waterworks unlawful.

It is unlawful for any unauthorized person to trespass upon the waterworks or the grounds upon which the same is constructed, in any manner to interfere with the waterworks or any part thereof, to meddle or interfere with any pipe, valve or appliance used to regulate the flow of water in the waterworks or any part thereof, or to change or alter the position of any valve or appliance regulating the flow of water in such pipeline or waterworks.

14.08.270140 - Contaminating, polluting or obstructing water unlawful.

It is unlawful for any person to cast, place, dump or deposit in the waterworks any substance or material which will contaminate or pollute the water in the waterworks or in any pipe, reservoir, filter sedimentation basin or any appliance forming a part of the waterworks or in any manner to obstruct the waterworks or pollute the water therein.

14.08.280150 - Polluting or contaminating Cache la Poudre River unlawful; liability.

It is unlawful for any person or entity, in any manner, to pollute or contaminate the waters of the Cache la Poudre River or its tributaries for a distance of five (5) miles above the intake of the waterworks or to have, keep or maintain at, along or near the banks of the Cache la Poudre River for a distance of five (5) miles above the intake of the waterworks any building, privy, pen, yard or corral for stock, or to have, keep or conduct any business near such stream as aforesaid which will contaminate or pollute the waters of such river or render the same unfit for domestic use. Any person or entity who violates any provisions of this Section, upon conviction thereof, shall, in addition to other penalties, be liable for all damages for ~~his or hersuch~~ unlawful acts.

14.08.290160 - Sprinkling restrictions; drought levels; penalty.

(a) The following provisions shall apply at all times unless modified by subsequent Sections of the ordinance codified herein:

- (1) Waste of water is prohibited at any time.
- (2) Sprinkler irrigation shall not occur between 12:00 p.m. and 5:00 p.m. from May through August even when water supplies are adequate.
- (3) Drip irrigation, low-volume spray or bubbling sprinklers, hose-end sprinklers and weeping-type soaker hoses are allowed to water trees, shrubs or flower beds at any time.
- (4) Hand-watering of vegetables and flower gardens, trees and shrubs and individual brown spots in a lawn is allowed at any time, so long as water waste does not occur. Hand-watering means holding in the hand a hose with attached positive shutoff nozzle and does not include operating a hose with a sprinkler or manually operating an irrigation controller.
- (5) Except during time of adequate water supply, hand-watering to clean hard surfaces such as driveways and parking lots is prohibited. Hand-watering to clean property, such as roof gutters, eaves, windows or in preparation for painting, is allowed as long as water waste does not occur.
- (6) Public organizations: The use of water for sprinkling lawns, gardens and trees on the grounds of public organizations, public parks and public golf courses served by the City water system will be permitted at any time with written variance from the Director of Water and Sewer. The public organizations to which this paragraph refers include, but are not limited to: Weld County facilities, the University of Northern Colorado campus, School District #6 grounds, and City of Greeley grounds, including parks, golf courses and Linn Grove cemetery.
- (7) New lawn variance: The use of water for sprinkling newly seeded or sodded lawns less than one (1) month old will be allowed during times determined by the Director of Water and Sewer pursuant to a permit for the same. Issuance of such a permit is contingent upon proof of proper soil preparation before installation of turf. Proper soil amendment is considered to be the equivalent of adding compost at a rate of four (4) cubic yards per one thousand (1,000) square feet of planted area, incorporated to a depth of six (6) inches. Permits shall be posted on the property.
- (8) Large user variance: The use of water for sprinkling large areas with multiple addresses, such as homeowners' associations, or other special circumstances, may be allowed during the times and days of the week as determined by the Director of Water and Sewer and defined by a permit for the same. Such written permits shall be posted on the property.
- (9) Except during a time of declared "adequate" water supplies, there shall be no lawn watering between January 1 and April 14. Charging and testing of sprinkler systems is allowed. Sprinkling may be allowed by written variance.

(10) Unusual circumstances: The Director of Water and Sewer may issue variance permits to address any other circumstances that, in the Director's sole discretion, are deemed appropriate.

(b) Definitions:

(1) Even-odd schedule:

- a. Even-numbered addresses may sprinkle on even days of the month.
- b. Odd-numbered addresses may sprinkle on odd days of the month.
- c. On May 31, July 31 and August 31, odd addresses may sprinkle in the morning and even addresses may sprinkle in the evening.

(2) One-day-per-week watering: All properties may use water for sprinkling only one (1) day per week.

- a. Single-family residences and duplexes with addresses ending in an even number may sprinkle on Sundays.
- b. Single-family residences and duplexes with addresses ending in an odd number may sprinkle on Saturdays.
- c. All other customers, commercial, industrial, multi-family and homeowners' associations may sprinkle on Fridays.

(3) Two-days-per-week watering:

- a. Single-family residences and duplexes with addresses ending in an even number may sprinkle on Sundays and Thursdays.
- b. Single-family residences and duplexes with addresses ending in an odd number may sprinkle on Wednesdays and Saturdays.
- c. All other customers, commercial, industrial, multi-family and homeowners' associations may sprinkle on Tuesdays and Fridays.
- d. There shall be no watering on Mondays except by written variance.

(4) Three-days-per-week watering:

- a. Single-family residences and duplexes with addresses ending in an even number may sprinkle on Sundays, Tuesdays and Thursdays.
- b. Single-family residences and duplexes with addresses ending in an odd number may sprinkle on Mondays, Wednesdays and Saturdays.
- c. All other customers, commercial, industrial, multi-family and homeowners' associations may sprinkle on Sundays, Tuesdays and Fridays.

(5) Hand-watering means holding in the hand a hose with attached positive shutoff nozzle. Hand-watering does not include operating a hose with a sprinkler or manually operating an irrigation controller.

(c) Drought levels: On the determination by the Greeley Water and Sewer Board, after an analysis including but not limited to the Colorado Big Thompson quota, the level of storage in Greeley reservoirs, snow pack and yield thereof, and the long-range weather forecast, that Greeley's water supply situation is "Adequate" or in a "Mild Drought," "Moderate Drought" or "Severe Drought," the City Council may, by resolution, declare one (1) of the following four (4) sets of watering restrictions to be in effect:

(1) When the City's water supply is Adequate: The use of City water for sprinkling of private residences, commercial and industrial property, church or other nonprofit or governmental organization lawns, gardens and trees will be permitted three (3) days per week between April 15 and the end of the irrigation season.

(2) When the City's water supply is in a Mild Drought: The use of City water for sprinkling of private residences, commercial and industrial property, church or other nonprofit or governmental organization lawns, gardens and trees will be permitted:

- a. One (1) day per week between April 15 and May 14.
- b. Two (2) days per week between May 15 and June 14.
- c. Three (3) days per week between June 15 and August 31.
- d. One (1) day per week between September 1 and the end of the irrigation season.
- e. Sprinkler irrigation shall not occur between 10:00 a.m. and 6:00 p.m. daily.

(3) When the City's water supply is in a Moderate Drought: The use of City water for sprinkling of private residences, commercial and industrial property, church or other nonprofit or governmental organization lawns, gardens and trees will be permitted:

- a. One (1) day per week between April 15 and May 14.
- b. Two (2) days per week between May 15 and August 31.
- c. One (1) day per week between September 1 and the end of the irrigation season.
- d. New sod or seed variances are not allowed between May 15 and August 31.
- e. Sprinkler irrigation shall not occur between 10:00 a.m. and 6:00 p.m. daily.

(4) When the City's water supply is in a Severe Drought: The use of City water for sprinkling of private residences, commercial and industrial property, church or other nonprofit or governmental organization lawns, gardens and trees will be permitted:

- a. One (1) day per week between April 15 and May 14.
- b. Two (2) days per week between May 15 and June 14.
- c. No sprinkler irrigation between June 15 and August 1 will be permitted, except for trees and shrubs.
- d. Two (2) days per week between August 1 and August 31.

e. One (1) day per week between September 1 and the end of the irrigation season. f. No new sod or seed variances are allowed. g. Sprinkler irrigation shall not occur between 10:00 a.m. and 6:00 p.m. daily.

(5) When the City Council declares which set of water restriction are in place, the City Council may define City policy regarding the use of warnings prior to notices of violation being issued.

(d) Penalties:

(1) Any person who violates any of the provisions of this Section during a calendar year shall be punished by a fine of one hundred dollars (\$100.00) for the first violation, two hundred fifty dollars (\$250.00) for the second violation, five hundred dollars (\$500.00) for the third violation, and five hundred dollars (\$500.00) and the cost of installing a flow restrictor to limit water use to indoor use only for the fourth and subsequent violations.

(2) Violations on property other than residential property shall be punished by fines which are double those described in paragraph (d)(1) above.

(3) Each day of violation shall constitute a separate offense as provided in Section 1.32.020 of this Code and shall be a strict liability offence.

(4) During a declared Severe Drought, all fines are doubled or up to one thousand dollars (\$1,000.00), whichever is less.

14.08.~~300~~170 - Limitation of sprinkling by Mayor; violation.

The Mayor may, by proclamation, limit the hours of sprinkling or may entirely prohibit the use of water for sprinkling purposes in case of failure of the water system or shortage of water supply. In case the Mayor issues a proclamation restricting or prohibiting the use of water for sprinkling, it is unlawful to use water for sprinkling purposes contrary to such proclamation.

14.08.~~340~~180 - Nozzle or sprinkler required.

It is unlawful for any person to use water for sprinkling through a hose without a nozzle or sprinkler or by means of a nozzle or sprinkler attached with an orifice therein exceeding three-sixteenths (3/16) of an inch in diameter.

14.08.~~320~~190 - Sprinkling prohibited during fires.

It is unlawful for any person to use water for sprinkling during any fire or while the Fire Department is using water for fire purposes, and when the fire alarm is sounded all persons are required to cease using water for sprinkling and shall immediately shut off the use of water for such purpose.

14.08.~~330~~200 - Buildings with multiple users.

Owners of any business block or other building occupied by more than one (1) tenant using or taking water from the same service pipe shall be required to pay the water and sewer rent for the whole of such block, building or premises before a license shall be granted for the use of water therein.

14.08.~~340~~210 - Lien enforcement.

All water rates shall be a charge and lien upon the premises to which water is delivered from the date the same becomes due and until paid, and the owner of every building, premises, lot or house shall be liable for all water delivered to or taken and used upon his or her premises, which lien and liability may be enforced by the City by an action at law or suit to enforce such lien. In case the tenant in possession of such premises or buildings pays the water rent or rate, it shall relieve his or her landlord from such obligations and lien, but the City shall not be required to look to any person whatsoever other than the owner for the payment of water rents and rates provided for in this Chapter.

14.08.~~350~~**220** - Turn-on charge.

When water is once turned on to any premises and thereafter turned off for any reason, it shall not be turned on again until the **turn-on** charge, as established by the Water and Sewer Board, has been paid.

14.08.~~360~~**230** - Extra charges for connections.

All persons desiring water service for buildings located on property abutting a public water line shall be required to pay an extra charge if all of the following circumstances exist:

- (1) The section of the public water line on which the property abuts was constructed in accordance with City specifications and requirements with prior approval by the City, at the expense of one (1) or more private persons;
- (2) The section of the public water line was constructed along the entire frontage of the property of the person who paid for such construction;
- (3) The person against whom the extra charge is to be assessed applied for water service within ten (10) years of the completion of the construction; and
- (4) The building to be served with water service is located on land which was owned at the time of construction by a person who did not participate in the cost of construction.

14.08.~~370~~**240** - Computation of extra charges.

As to each property for which water service is applied for, the extra charge with respect to that application for service will be computed with reference to the construction costs of the section of public water line on which the property abuts. In each case, the extra charge will be computed by prorating the construction cost, without interest or other charges, against the frontage of all property abutting on the section of public water line involved.

14.08.~~380~~**250** - Private payment for public water; reimbursement.

Private persons who pay for the constructions of sections of public water lines and who desire partial reimbursement for such payment shall deliver a written document to the Director of Water and Sewer setting forth the total construction cost, with proof of payment, and setting forth the name and address of an individual, bank or other organization authorized to receive payments from the City pursuant to this Section. Only water lines constructed by prior approval of the administrative authority and completed within twelve (12) months of approval in strict accordance with City standard specifications for water line construction will be considered for reimbursement. As extra charges are paid to the City pursuant to Sections 14.08.~~360~~**230** and 14.08.~~370~~**240**, the City shall transmit such payments to such authorized individual, bank or other organization. The City shall have no responsibility to see that such individual, bank or other organization properly deals with such funds. The City shall not recognize any recipients or claimants other than the named individual, bank or other organization.

Chapter 14.12 Sanitary Sewers

14.12.070 - Public Sanitary Sewer connections and fees.

No person shall connect on to a Public Sanitary Sewer line until the Director has expressly approved such connection. Approval shall be granted to any person who desires sanitary sewer service for property in the City and who pays the fees and charges established by, and according to, Sections 14.04.080 through 14.04.090 and 14.12.110 through 14.12.440130 of this Chapter.

14.12.120 - Sewer plant investment fee credit and exchange.

Where an existing water tap serves one (1) or more living units and the owner, lessee or user of water being served by the existing water tap desires to abandon such tap in favor of a larger or smaller water tap to the same property, the sewer plant investment fee established by Section 14.12.110 shall be reduced by the then current plant investment fee value of the existing sewer tap. In no case shall the City provide cash refunds, and credit against the sewer plant investment fee required by a new water tap shall not exceed the sewer plant investment fee for such change in the size of the new water tap; nor shall it include credit for the fire flow diameter or equivalent unit charges of the existing water or sewer tap.

14.12.130 - Additional fee credit and exchange; renovation.

In the event one (1) or more living units are being renovated and a larger water tap is necessary to meet the current minimum tap size requirements established by the Water and Sewer Board, the City shall require no additional sewer plant investment fee due to the renovation, provided that the units being renovated were constructed prior to January 20, 1959, and the renovation does not increase the number or size of the units nor change the use of the property.

14.12.120 - Sewer plant investment fee credits and exchange; renovations.

Commented [DB23]: 14.12.120 and 14.12.130

(a) Any customer that seeks to abandon an existing water tap in favor of a smaller or larger tap to serve the same property shall be entitled to a credit against the sewer plant investment fee requirement set forth in Section 14.12.110. Such credit shall be equal to the then current sewer plant investment fee value associated with the abandoned tap, but shall not include credit for any fire flow diameter associated with the abandoned tap. Any credit issued for an abandoned tap pursuant to this Section shall be capped at the sewer plant investment fee due and payable for the replacement tap; the City shall not be required to provide cash refunds for any such credit.

(b) Any customer that renovates one (1) or more residential units that were constructed prior to January 20, 1959 and is accordingly required to replace an existing water tap that serves such residential units to comply with the current minimum tap size requirements established by the Water and Sewer Board shall not be required to furnish an additional sewer plant investment fee if (i) the renovation does not increase the number or size of the residential units, and (ii) the use of the subject property is not changed.

14.12.440130 - Installation costs; advance payment required.

In addition to paying the plant investment fees provided for in Section 14.12.110, ~~the owner, lessee or User of any an~~ **applicant for** sanitary sewer service shall pay for all labor and materials required to installing the tap onto the sewer main, to install the service pipes and lines, and to perform all trenching and street repairs. ~~All plant investment fees and installations costs shall be paid prior to commencing any work.~~ **All costs shall be paid by the applicant in advance of such work and no later than the time at which a building permit is issued by the City for the subject property.**

14.12.150**140** - Rates approved by Water and Sewer Board.

14.12.160**150** - Billing; time tasks.

14.12.170**160** - Due date; disconnection for nonpayment.

All bills for water and sewer are due and payable to the Director of Finance at his or her office in City Hall on the dates specified. If bills are not paid on or before the specified due date, including payment of reconnection charges as provided in Sections 14.08.340**210** and 14.08.350**220** of this Title, the City may disconnect water service until the delinquent bills are paid.

14.12.180**170** - Lien status; liability of owners.

14.12.190**180** - Interference with system unlawful.

14.12.200**190** - Right of entry.

14.12.210**200** - Registration of water wells.

14.12.220**210** - Prohibited discharges.

14.12.230**220** - Construction of public sewers regulated.

14.12.240**230** - Public access to information.

14.12.250**240** - Temporary sewer plugs; removal.

14.12.260**250** - Construction over public sanitary sewers restricted.

14.12.270**260** - Maintenance of public and private sewers.

(a) The property owner, at his or her expense, shall install the service line from the property line to the structure to be served in accordance with Section 14.12.070. The property owner shall hold the City harmless for any loss or damage that may directly or indirectly result from installing service line or the malfunction of any private sewer.

(b) The owner of any property connecting to the Public Sanitary Sewer shall be responsible for maintaining the service line from the Public Sanitary Sewer tap to the structure to be served. The owner shall keep the service line for which he or she is responsible in good condition and shall repair or replace at his or her expense any portions thereof which, in the reasonable opinion of the Director, no longer function properly. The owner shall complete all repairs or replacements within thirty (30) days after notification of the need for same by the Director. The owner shall be responsible for returning the public right-of-way and the street to acceptable City standards as determined by the City.

(1) Failure to maintain the service line is a code infraction violation pursuant to Chapter 1.33 of this Code. Should the Director determine that the owner of any property has failed to maintain the service line (including repair or replacement when needed), the Director or the Director's designee may issue a Notice of Violation in accordance with Chapter 1.33.

(2) If the Director determines that the failure of the property owner to maintain the service line (including repair or replacement when needed) poses an imminent risk to the health, safety or welfare of the community, the Director may take action necessary to limit such risk, including but not limited to making entry on the property pursuant to Section 14.04.230 of this Code or causing the shut-off or disconnection of the water supply.

(c) If the owner desires to disconnect his or her premises, he or she shall not be permitted to remove that portion of the service line between the main and the property line, but at his or her expense shall excavate, sever and tightly cap the service line from the property line to the premises, but shall leave in place all of the service line from the main to such cap. The City shall not approve new services to replace existing services until old service lines are excavated and properly capped. Such cap shall be sufficient to prevent the escaping of sewer gas or the infiltration of water and tree roots.

14.12.280~~270~~ - Individual wastewater disposal system construction permit required.

14.12.290~~280~~ - Compliance with regulations required; discharges restricted.

14.12.300~~290~~ - Maintenance and operation of facilities.

14.12.310~~300~~ - Connection to available public sewer required.

14.12.320~~310~~ - Additional requirements.

14.12.330~~320~~ - Violations; liability.

14.12.340~~330~~ - Penalties.

Chapter 14.24 Irrigation

~~14.24.010 – Subdivision or subdividing defined.~~

~~Subdivision or subdividing are defined as any division of any parcel of land where additional water taps are requested.~~

14.24.020010 - Regulation of irrigation water.

14.24.030020 - Control of headgates.

14.24.040030 - Water levels and checks.

14.24.050040 - Interference unlawful.

14.24.060050 – Irrigation Rates fixed by Water and Sewer Board.

Irrigation water rates shall be the minimum rate as approved by the Water and Sewer Board, unless increased by resolution of the City Council.

14.24.070060 - Payment due date; nonpayment.

~~14.24.080 – Water rights for lands outside City.~~

~~All owners of subdivisions, areas of land and/or business, commercial, industrial or residential sites outside the City limits who request and petition the City for domestic water that as a part of the consideration for securing and receiving City domestic water service, the owner or owners shall agree to transfer when a request for City water is made, at no cost to the City, certain water rights, including Northern Colorado Water Conservancy District allotments, irrigation water and carriage rights of such water, to the City before receiving permits to tap the City waterlines.~~

~~14.24.090 – Annexation petitioners transfer rights.~~

~~All petitioners requesting annexation of their land to the City shall, as a prerequisite to receiving approval of such annexation, agree, on behalf of themselves and all successors in interest to the land to be annexed, to transfer, at no cost to the City, water rights, including Northern Colorado Water Conservancy District allotments, irrigation water and carriage rights upon subdividing and/or requesting domestic water service to the City, before receiving the approval of the annexation.~~

~~14.24.095 – Water stock transfers; criteria.~~

~~All water stock, rights or shares transferred to the City in satisfaction of this Chapter shall meet legal criteria under Colorado law necessary to convert water to municipal use. Such criteria shall include, but not be limited to, sustained historical consumptive water use.~~

14.24.100—Amount required for transfer.

(a) — The owners or lessees of land, and subdividers or owners of a subdivision within or without the City limits shall furnish to the City three (3) acre feet of water per acre of land or fraction thereof, which the City, at the City's sole determination, can use in its system, as a prerequisite and as a part of the consideration to receive City water service and City water taps for the land, subdivision or parcel; but, if the land is dry, the City shall have the option to require the owner, lessee, subdivider or developer to furnish water as above required or pay to the City in cash or the cash equivalent of the three (3) acre-feet of water per acre of land or fraction thereof, based upon the fair market value of water and water rights at the time of the grant of the water service and tap. This standard shall apply to a subdivision, subdevelopment or parcel of land within or without the City limits, but shall be applied one (1) time and one (1) time only to such subdivision or parcel of land, except if further subdivided and an additional water tap or taps are requested. If further subdivision is made of subdivided land, the requirement shall apply to the subdivided parcels where an additional tap or taps are requested.

(b) — Nonresidential water service requirements shall apply to commercial, industrial, group housing (nursing homes, hotels and motels) and mixed-use customers. The minimum raw water requirement for nonresidential service shall be based upon the size of service and the annual allotment of water assigned to that service in accordance with the table below. The City may require an applicant to furnish water in accordance with Section 14.24.095 above or to pay the cash equivalent of the water so required, based on the fair market value of the water set by the Water and Sewer Board at the time of application for water service. The fair market value of the water shall be effective for no more than six (6) months from the time of application. An applicant for water service may provide a larger amount of raw water if, based upon the applicant's estimate, his or her annual usage will exceed the base annual allotment.

Tap Size (Inches)	Raw Water Requirement (Acre Feet)	Base Annual Allotment (Gallons)
¾	.75	244,000
1	2.00	652,000
1½	3.00	977,000
2	8.00	2,607,000
3	12.00	3,910,000
4	24.00	7,812,000
6	208.00	67,772,000
8	352.00	114,692,000

(c) — When more water is used in a given calendar year (based upon billing records) than the annual allotment, a raw water surcharge will be assessed on the volume of water used in excess of the annual allotment. The surcharge will be established annually by the Water and Sewer Board and shall be based upon the fair market value of water rights acceptable under this Section or the ordinance codified in this Section at the time rates are set. A user may provide additional raw water in lieu of further surcharge payments should his or her use indicate that he or she will exceed his or her annual allotment. All previous surcharge requirements must be paid before a new annual allotment will be established for that user. No reduction in annual allotments, once established for an account or service, will be allowed nor any raw water credit given for lower annual usage. Raw water requirements provided for a specific account may not be transferred to other accounts. In the event raw water

previously dedicated exceeds the base annual allotment established by tap size, a raw water surcharge will not be assessed unless the user's consumption exceeds the amount of raw water dedicated. When property is subdivided, or additional taps are requested, the raw water previously dedicated will be reallocated based upon acreage.

(d) — For nonresidential tap sizes greater than four (4) inches, the initial raw water requirement and the surcharge may both be avoided if by prior agreement the applicant agrees to make raw water cash payments at a rate set by the Water and Sewer Board.

(e) — All new nonresidential water taps will be required to satisfy the raw water requirement established herein, and the fact that a portion of the property previously was served with City water shall not excuse the applicant from furnishing the water rights set out herein. Should an existing water user apply for additional or enlarged service, the user shall be required to satisfy an increase in the raw water requirement prior to approval of the new service. In the event the raw water requirements for a given parcel of land were previously met at the residential rate, and a portion or all of the parcel subsequently is rezoned and/or developed for nonresidential uses, additional raw water may be due the City. When the amount of raw water due, according to nonresidential tap size request, is greater than the amount of raw water previously transferred to the City at the residential rate, additional raw water, sufficient to meet nonresidential requirements, will be due and transferred to the City prior to any water line and/or water tap connection installation. In the event the amount of raw water due, according to nonresidential tap size request, is less than or equal to the amount of raw water previously transferred to the City at the residential rate, no refund, rebate or credit of previously transferred raw water will be made by the City.

(f) — In the event an applicant has, prior to the enactment of the ordinance codified in this Section, satisfied the raw water requirement of the City for a property, that property will be considered satisfied under this Section; however, nonresidential users initiating new or changing type of service after enactment of the ordinance codified in this Section will be subject to the raw water surcharge when the base annual allotment is exceeded.

(g) — The requirements of this Section do not preclude the City Council from entering into special agreements regarding raw water requirements.

14.24.120 — Water rights transfers; Greeley Loveland Irrigation Company stockholders.

The stockholders of the Greeley Loveland Irrigation Company may meet these water rights transfer requirements of this Chapter by signing the contract between the City and the stockholders, which is in part, an option to give the City their water rights under the terms of the contract therein specified.

14.24.125 — Consent to withdrawal of nontributary groundwater.

(a) — All nontributary groundwater, including but not limited to waters of the Dawson, Denver, Arapahoe, Laramie, Fox Hills and Dakota aquifers, are incorporated into the City's actual service plan as authorized by Section 37-90-137(8), C.R.S. The land area in the actual municipal service plan is all that area within the City boundary as of January 1, 1985, except that land north of the Cache la Poudre River. Public interest justifies the use of nontributary groundwater underlying the service area.

(b) — Upon the effective date of the ordinance codified in this Section, the owners of all land in the service area shall be deemed to have consented to the withdrawal by the City of all such nontributary groundwater unless consent is withheld pursuant to the above-described state statute.

(c) — In addition to the requirements of Section 14.24.130, before receiving City water service, a consent shall be signed approving the withdrawal by the City of all nontributary groundwater as described herein from the land being served.

14.24.130 — Water rights transfers; compliance; exception.

~~(a) — The water or payments, as required under Sections 14.24.080 through 14.24.120, shall be a prerequisite to receiving any City water service tap or taps and the water must be transferred or payment made in full to the City before any approval is given for service taps.~~

~~(b) — Notwithstanding the procedure set forth in this Section, the stockholders of the Greeley Loveland Irrigation Company who have signed domestic water agreements of 1963 with the City shall follow the procedure as set forth in their contracts.~~

~~14.24.140 — Limitations and exceptions.~~

~~In order to be equitable with present proposed subdivisions and annexations, certain limitations are established, as set forth in Sections 14.24.150 through 14.24.190.~~

~~14.24.150 — Excepted lands.~~

~~Sections 14.24.080 through 14.24.130 shall not apply to the area known as the West Greeley Annexation.~~

~~14.24.160 — Applicability to subdivisions or annexations.~~

~~Sections 14.24.080 through 14.24.130 shall not apply to subdivisions or annexations filed with the Planning Commission prior to the effective date of those Sections.~~

~~14.24.170 — Exception for previous compliance.~~

~~Section 14.24.090 shall not apply to that portion of the area to be annexed which has previously complied with Sections 14.24.080 through 14.24.130.~~

~~14.24.180 — Exception for previous acceptance.~~

~~Section 14.24.090 shall not apply to areas previously subdivided and accepted by the Planning Commission, which acceptance has been prior to effective date of Sections 14.24.080 through 14.24.130.~~

~~14.24.185 — Exception for residences on large parcels of land.~~

~~(a) — The water rights transfer provisions of Section 14.24.100 of this Chapter shall not apply to requests for domestic water service to single residences on parcels of land exceeding one (1) acre. Should additional subdivision occur on that parcel of land, and/or if more than one (1) dwelling unit on that parcel of land requests water service, the water rights transfer provisions of Section 14.24.100 shall be satisfied prior to any such connection of water service.~~

~~(b) — For parcels of land exceeding one (1) acre, the water rights transfer required shall be three (3) acre feet per domestic tap. Water taps larger than three-fourths (¾) inch are not considered as domestic use and are ineligible for the exemption contained in this Section.~~

~~(c) — When more water is used in a calendar year (based upon billing records) than the annual allotment, which is three (3) acre feet or approximately nine hundred seventy seven thousand (977,000) gallons, a raw water surcharge will be assessed on the volume of water used in excess of the annual allotment. The surcharge will be established annually by the Water and Sewer Board and shall be based upon the fair market value of water rights acceptable under Section 14.24.100 of this Chapter or the ordinance codified in that Section at the time rates are set. The raw water surcharge shall not apply to raw water exemptions previously granted for water taps installed prior to May 1, 2012.~~

(d) ~~The owners of a parcel of land requesting exemption from the provisions of Section 14.24.100 of this Chapter shall enter into an agreement with the City that runs with the land, binding themselves and their heirs, assigns or transferees to the subsequent fulfillment of all water right transfer provisions based upon the conditions contained in this Section.~~

~~14.24.190 —Applicability of limitations and exceptions.~~

~~All limitations and exceptions to the amendments to Sections 14.24.080 through 14.24.130 shall follow the rules established in Sections 14.24.150 through 14.24.180.~~



**Revise Title 14 - Raw Water
Requirements for Commercial &
Multi-Family Development**

July 17, 2019

Background

- Two types of water development fees
 - Plant investment fee (PIF) is for the impact to the infrastructure of the system (plants and pipes)
 - Raw water is the volume of water needed for annual usage
 - Current method for determining the requirement differs between residential and non-residential

Background-Raw Water

- Raw water requirements currently determined two ways
 - Residential: 3 acre feet/acre
 - Non-residential: determined by tap size

Tap Size	Raw Water Requirement (AF)
¾"	0.75
1"	2
1 ½"	3
2"	8
3"	12
4"	24
6"	208
8"	352

Raw Water Challenges

- Non-residential: Taps are sized to meet peak flow demand, but peak flow does not necessarily correlate with annual water usage
- Three acre feet/acre not collecting enough raw water for large multi-family projects
- Non-residential raw water requirements have not changed since 1989
- Goal: Balance simplicity with precision when it comes to raw water requirements

Proposal

- Base raw water requirements on projected use for commercial and multi-family
 - Service commitment agreements required to ensure the City is not shorted raw water
 - Raw water surcharge for over use
- Multi-family to be treated like commercial and mixed use development
 - No longer uses 3 AF/acre standard
 - PIF calculation consistent with commercial/mixed use – not based on number of units
 - Net effect: Increase in raw water requirements, decrease in PIF

Proposal, cont.

- PIF based on tap size which is determined through fixture unit counts and type of use
 - Plumbing data sheet from International Plumbing Code
- Separate taps for each use
 - Example: Mixed use would have 3 taps: one for commercial, residential, and landscaping

Raw Water Requirements

Category Name	Units	Unit Use (Gallons per unit per year)
Auto Service & Repair	sf	12
Car Wash	bay	1,350,000
Childcare	sf	47
Church	sf	4.5
Grocery Store	sf	20
Gas Station w/o Car Wash	sf	93
Hospital	sf	21
Hotel/Motel	room	30,300
Medical Office	sf	25
Multi-Family (greater than 4 units)	unit	35,500
Office	sf	14
Recreation w/ pool	sf	122
Recreation w/o pool	sf	25
Restaurant	sf	188
Retail	sf	16
School	sf	11
Warehouse	sf	5
Industrial	Determined on a case by case basis	

Vetting the Proposal

- Water and Sewer Board
 - Three informational presentations (late 2018)
- Conversations with active Greeley developers during the drafting of the proposal
- Open House with development interests on January 29
- City Council work session March 12

Title 14 Reorganization and Updates

- Development related Code language was updated to reflect current realities
 - Example: Deleted sections referring to a non-existent “water permit”
- Re-organized to group like topics together

Path Forward

- Two readings with City Council
- New raw water requirements take effect after second reading
 - Targeting August 20 City Council meeting

Staff Recommended Action

- Water and Sewer Board recommends to City Council to revise Title 14 of the Greeley Municipal Code for raw water requirement policy

Questions/Comments?

WATER & SEWER BOARD AGENDA JULY 17, 2019

ENCLOSURE X NO ENCLOSURE

ITEM NUMBER: 8

TITLE: UPDATE ON GOLD HILL SEGMENT
PROPERTY ACQUISITIONS

RECOMMENDATION: INFORMATION ONLY

ADDITIONAL INFORMATION:

Greeley will need to acquire exclusive permanent and temporary construction easements of varying widths in order to complete the Bellvue Water Transmission Pipeline – Gold Hill Phase.

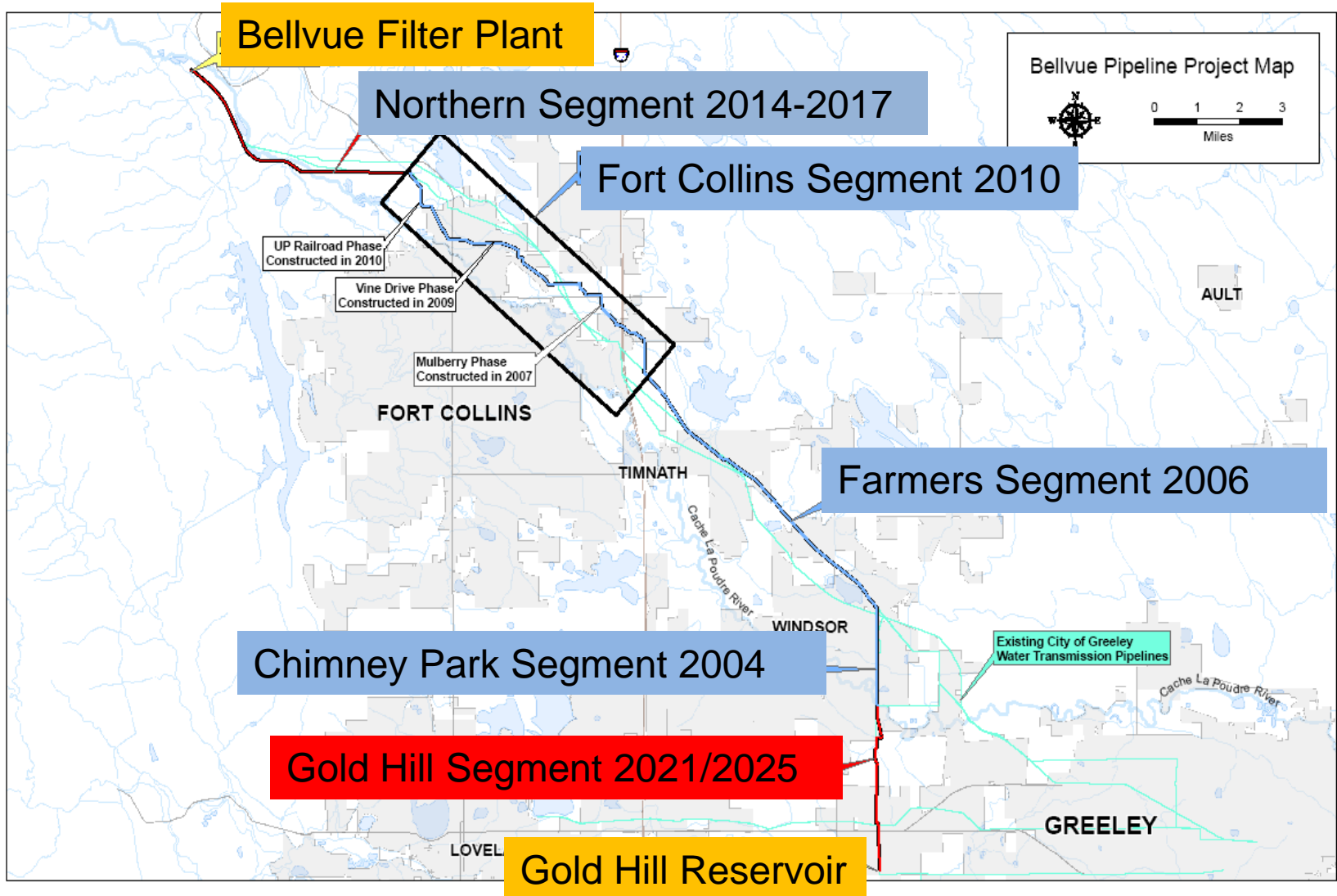
Bellvue Transmission Pipeline Easement Acquisition

Gold Hill Segment

Water and Sewer Board

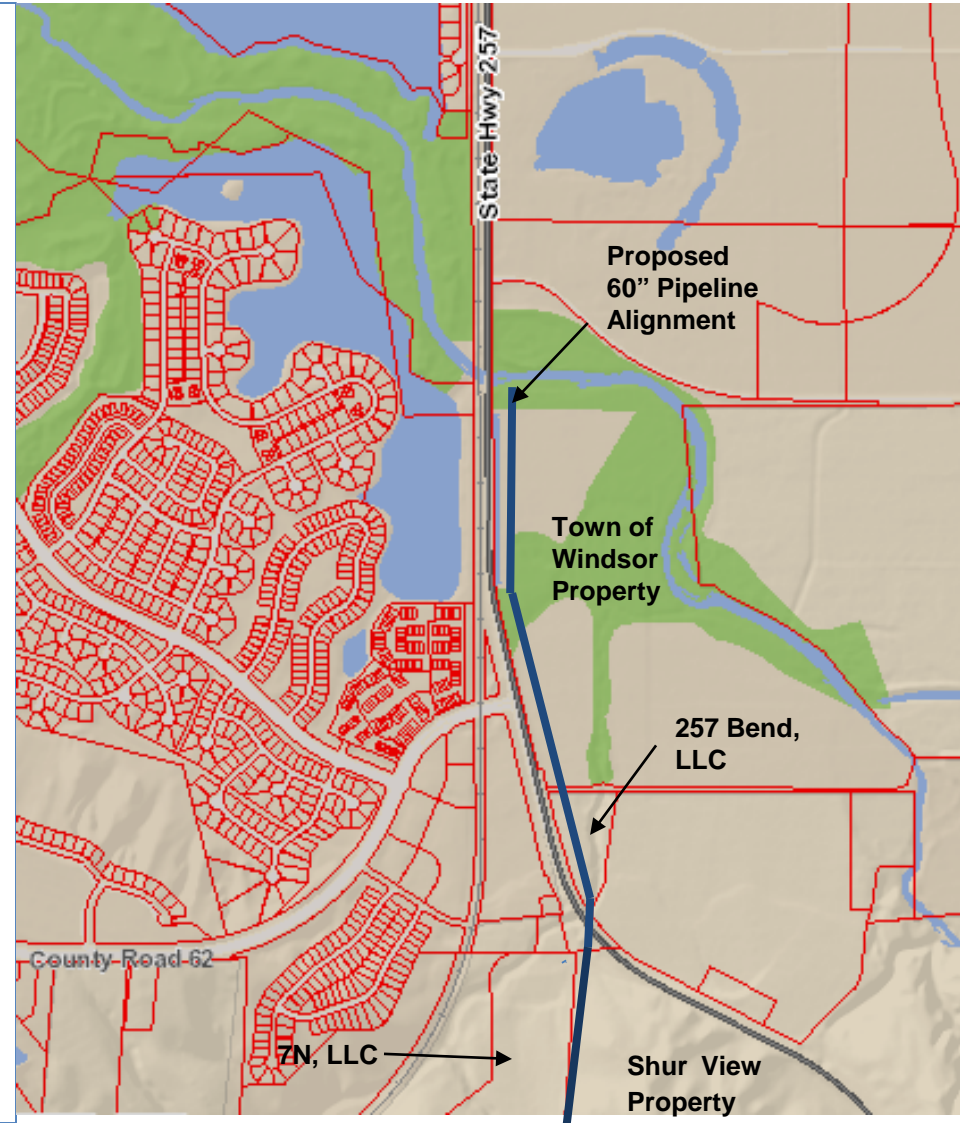
July 17, 2019

Bellvue Transmission Pipeline



Bellvue Transmission Pipeline Status

- 25 of 29 miles of 60" pipeline completed and in-service (through 3 miles of 20" pipe)
- \$4.5 million budgeted for Gold Hill Segment in 2020-2021 to construct through Windsor Town Limits (4,500')
- Anticipates SH 257 future widening



Final Route Established

- Required more detailed study
 - Extensive topographic surveying
 - Discussions with property owners
 - Identification of utility conflicts
 - Determination of actual property boundaries
 - Discussions with CDOT for crossing Highway 257
- Currently working on Final Easement Acquisition and Design
- Construction to occur 2020-2021 for Gold Hill Segment-Windsor Phase
 - 4,500' of 60" pipeline
 - HWY 257 tunnel crossing



Gold Hill Segment Easement Status

Permanent Easements:

-- Total Needed	6 (3 miles)
-- Acquired to date	2 (1 mile)
-- Offers Submitted	3 (1 mile)
-- Offers In Process	3 (1 mile)



Current Status:

- Windsor – 2 properties
 - Negotiating easement offers
- 257 Bend
 - Negotiating easement offer
- 7N, LLC (Extractions)
 - Sending offer by July 31
- Schmerge
 - Sending offer by July 31
- Shur View
 - Sending offer by September 30. (need Resolution and Ordinance approval)

Greeley Bellvue Pipeline Project, Gold Hill Segment

Easement Acquisition

- **6 Properties identified where easements are required** ———

- Town of Windsor (2 parcels)
- 257 Bend LLC
- 7N, LLC
- Shur View Ltd Partnership
- Tom Schmerge

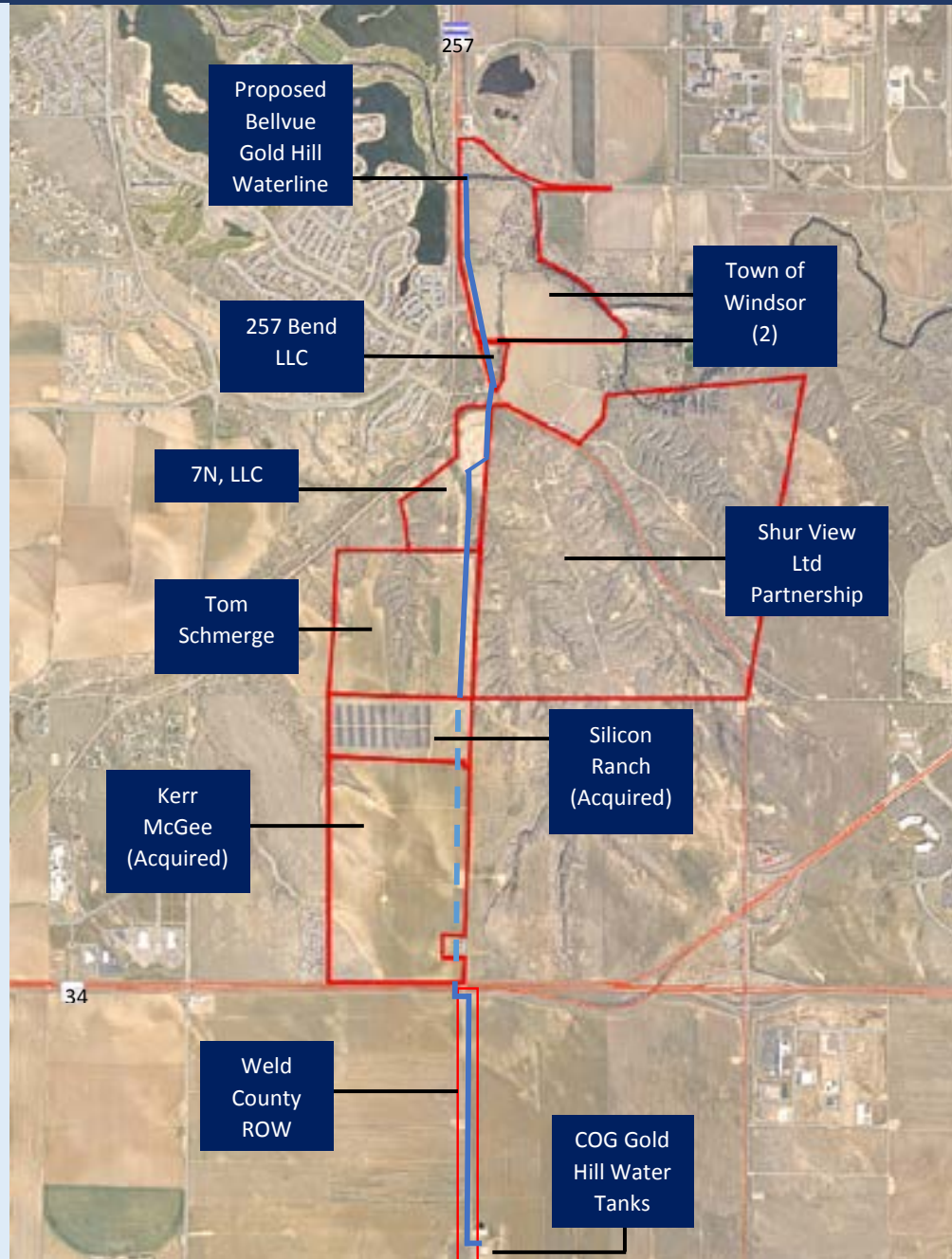
- **Easements dedicated by plat** - - -

(Previous owner granted the City a 50' Permanent and 75' Temporary Easement by previous plat)

- Silicon Ranch Corporation
- Kerr McGee Oil & Gas Onshore LP

- **Pipe located in public ROW**

- CR 19 / 131st Avenue



WATER & SEWER BOARD AGENDA JULY 17, 2019

ENCLOSURE X NO ENCLOSURE

ITEM NUMBER: 9

TITLE: ADOPT RESOLUTION AUTHORIZING
 ADDITIONAL PROPERTY ACQUISITIONS
 (GOLD HILL SEGMENT – BELLVUE
 PIPELINE)

RECOMMENDATION: ADOPT RESOLUTION AUTHORIZING
 ADDITIONAL PROPERTY ACQUISITIONS

ADDITIONAL INFORMATION:

Greeley will need to acquire exclusive permanent and temporary construction easements of varying widths in order to complete the Bellvue Water Transmission Pipeline – Gold Hill Phase.

**CITY OF GREELEY, ACTING BY AND THROUGH
ITS WATER AND SEWER BOARD**

RESOLUTION NO. ___, 2019

CONCERNING THE ACQUISITION OF INTERESTS IN REAL PROPERTY FOR WATER TRANSMISSION LINES, BY PURCHASE OR EXERCISE OF THE POWER OF EMINENT DOMAIN, PURSUANT TO SECTION 7 OF ARTICLE XVI, SECTION 15 OF ARTICLE II, AND SECTIONS 1 AND 6 OF ARTICLE XX OF THE COLORADO CONSTITUTION AND COLO. REV. STAT. § 38-1-101, et seq. (GREELEY BELLVUE PIPELINE, GOLD HILL SEGMENT)

WHEREAS, the City of Greeley (“the City”) is a Colorado home-rule municipality empowered, pursuant to Sections 1 and 6 of Article XX of the Colorado Constitution, to, *inter alia*, construct, purchase, acquire, lease, add to, maintain, conduct, and operate water works and everything required therefor, within or without its territorial limits, for the use of the City; and

WHEREAS, Section 15 of Article II and Section 7 of Article XVI of the Colorado Constitution further authorize the City to acquire water pipeline easements for domestic, irrigation, drainage, and other purposes; and

WHEREAS, Section 17-4 of the Greeley City Charter authorizes and requires the City Water and Sewer Board (“the Board”) to acquire, develop, convey, lease, and protect water and sewer assets, supplies, and facilities; and

WHEREAS, Section 17-1 of the Greeley City Charter authorizes the Board to qualify the Water and Sewer functions and operations as an ‘enterprise’ as that term is contained in Section 20 of Article X of the Colorado Constitution, and to provide for every function and operation of an enterprise, including but not limited to, the issuance of bonds and all other necessary and ordinary functions of the Water and Sewer operations, which enterprise is established by Section 14.04.050 of the Greeley Municipal Code; and

WHEREAS, the Board has determined that the development of additional water transmission lines and associated facilities from the City’s Bellvue Water Treatment Plant to the City, traversing properties located in Larimer and Weld Counties, is necessary for the continued overall operation of the water works, and more specifically for the delivery of treated domestic water to the citizens of the City and other served communities and individuals; and

WHEREAS, the Board adopted Resolution 10, 2018 in August 2018, which *inter alia*, authorized the acquisition of certain interests in real property for construction of the Gold Hill Segment of the Greeley Bellvue Pipeline, the location of which is one such area where additional treated water transmission lines and associated facilities will need to be located, and is an area that is generally experiencing growth and redevelopment into more intensive land uses; and

WHEREAS, via its adoption of Resolution 10, 2018, the Board determined that the acquisition of interests in the real property identified on Exhibit A thereto, either through purchase

or exercise of the City's power of eminent domain, is necessary in order to construct and maintain such treated water transmission lines within the Gold Hill Segment of the Greeley Bellvue Pipeline; and

WHEREAS, continued investigations by City staff in the course of acquiring the aforementioned interests in real property authorized by Resolution 10, 2018 revealed that the Gold Hill Segment of the Greeley Bellvue Pipeline will also traverse the real property generally depicted on Exhibit 1, which is attached to this Resolution and incorporated by reference; and

WHEREAS, the City's staff and counsel have accordingly determined that the treated water transmission lines for the Gold Hill Segment of the Greeley Bellvue Pipeline described above will need to be installed in the ground at varying depths, and that the acquisition of interests in real property is necessary in order to construct and maintain such treated water transmission lines within the real property generally depicted on Exhibit 1 to this Resolution, in addition to the real property generally depicted on Exhibit A to Resolution 10, 2018.

NOW THEREFORE, BE IT RESOLVED BY THE CITY OF GREELEY WATER AND SEWER BOARD AS FOLLOWS:

1. The Board hereby reaffirms its determination that it is necessary for the City to acquire, either through purchase or exercise of the power of eminent domain, permanent easements and temporary construction easements for the installation, operation, maintenance, repair, and replacement of treated water transmission lines, for the continued overall operation of the water works, and more specifically for the delivery of treated domestic water to the citizens of the City and other served communities and individuals.

2. The Board hereby reaffirms its determination that the acquisition of permanent easements and temporary construction easements is necessary within the Gold Hill Segment of the Greeley Bellvue Pipeline depicted on Exhibit A to Resolution 10, 2018, either through purchase or exercise of the power of eminent domain, for the above-described purposes.

3. The Board hereby determines that the acquisition of permanent easements and temporary construction easements for the Gold Hill Segment of the Greeley Bellvue Pipeline is also necessary across the real property generally depicted on Exhibit 1 to this Resolution, either through purchase or exercise of the power of eminent domain, for the above-described purposes.

4. The City's staff and counsel are hereby directed to continue with the acquisition of the above-described interests in real property, either through purchase or exercise of the power of eminent domain, as authorized by Resolution 10, 2018 and this Resolution. The Board hereby ratifies any previous actions by City staff in negotiating the acquisition of such interests in real property, and in providing notice of the City's intent to acquire such interests, in accordance with Colo. Rev. Stat. § 38-1-101, et seq.

PASSED AND ADOPTED, SIGNED AND APPROVED THIS ____ DAY OF JULY 2019.

ATTEST:

Secretary to the Board

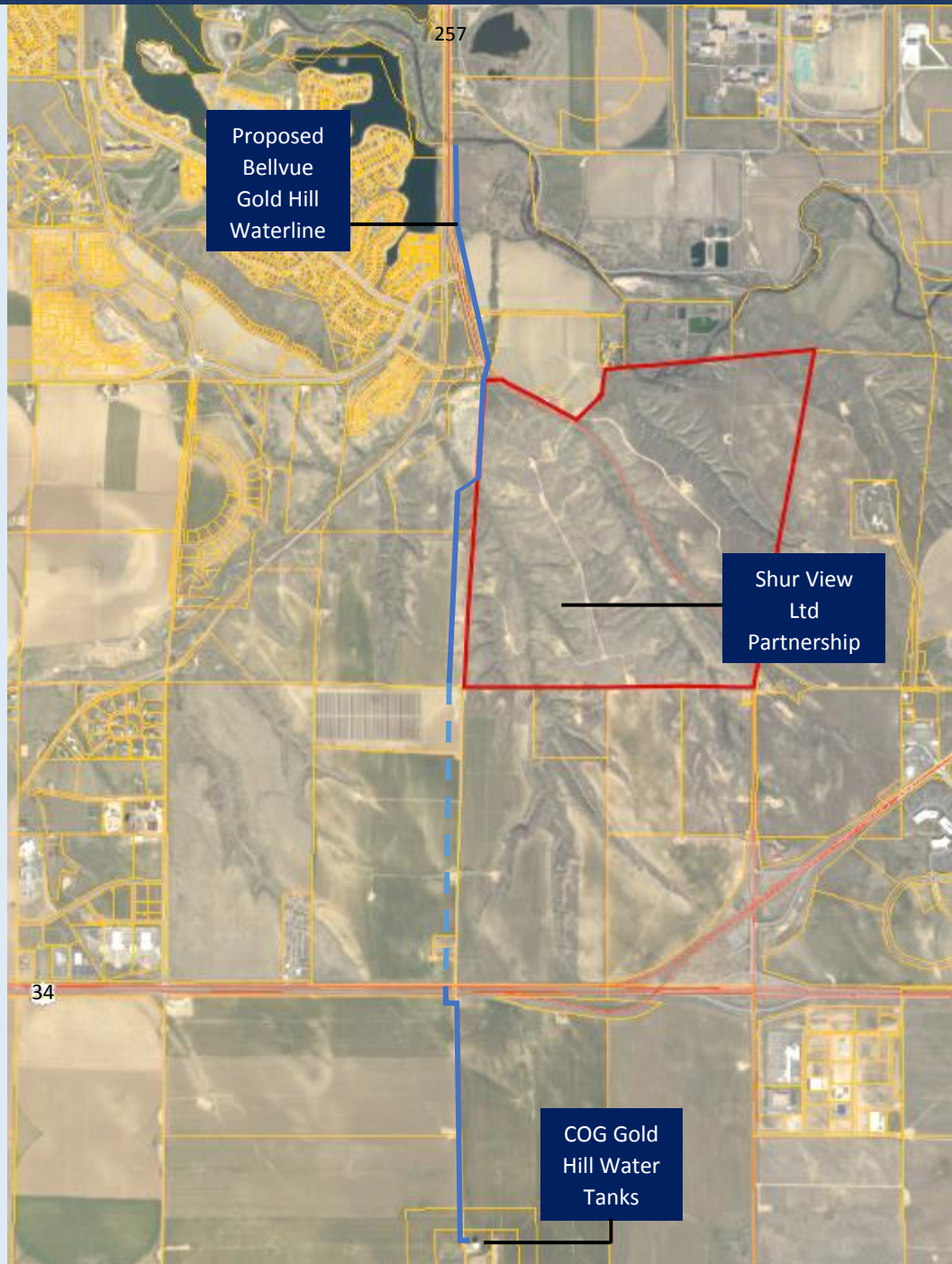
Board Chairman

Greeley Bellvue Pipeline Project, Gold Hill Segment

Easement Acquisition

1 Additional property identified where an easement is required

- Shur View Ltd Partnership



**CITY OF GREELEY, ACTING BY AND THROUGH
ITS WATER AND SEWER BOARD**

RESOLUTION NO. 10, 2018

CONCERNING THE ACQUISITION OF INTERESTS IN REAL PROPERTY LOCATED IN WELD COUNTY, COLORADO FOR WATER TRANSMISSION LINES, BY PURCHASE OR EXERCISE OF THE POWER OF EMINENT DOMAIN, PURSUANT TO SECTION 7 OF ARTICLE XVI, SECTION 15 OF ARTICLE II, AND SECTIONS 1 AND 6 OF ARTICLE XX OF THE COLORADO CONSTITUTION AND COLO. REV. STAT. § 38-1-101, et seq. (GREELEY BELLVUE PIPELINE, GOLD HILL SEGMENT)

WHEREAS, the City of Greeley (“the City”) is a Colorado home-rule municipality empowered, pursuant to Sections 1 and 6 of Article XX of the Colorado Constitution, to, *inter alia*, construct, purchase, acquire, lease, add to, maintain, conduct, and operate water works and everything required therefor, within or without its territorial limits, for the use of the City; and

WHEREAS, Section 15 of Article II and Section 7 of Article XVI of the Colorado Constitution further authorize the City to acquire water pipeline easements for domestic, irrigation, drainage, and other purposes; and

WHEREAS, Section 17-4 of the Greeley City Charter authorizes and requires the City Water and Sewer Board (“the Board”) to acquire, develop, convey, lease, and protect water and sewer assets, supplies, and facilities; and

WHEREAS, Section 17-1 of the Greeley City Charter authorizes the Board to qualify the Water and Sewer functions and operations as an ‘enterprise’ as that term is contained in Section 20 of Article X of the Colorado Constitution, and to provide for every function and operation of an enterprise, including but not limited to, the issuance of bonds and all other necessary and ordinary functions of the Water and Sewer operations, which enterprise is established by Section 14.04.050 of the Greeley Municipal Code; and

WHEREAS, the Board has determined that the development of additional water transmission lines and associated facilities from the City’s Bellvue Water Treatment Plant to the City, traversing properties located in Larimer and Weld Counties, is necessary for the continued overall operation of the water works, and more specifically for the delivery of treated domestic water to the citizens of the City and other served communities and individuals; and

WHEREAS, the Gold Hill Segment of the Greeley Bellvue Pipeline, which is generally depicted on Exhibit A, attached hereto and incorporate herein by reference, is one such area where additional treated water transmission lines and associated facilities will need to be located, and is an area that is generally experiencing growth and redevelopment into more intensive land uses; and

WHEREAS, the City's staff and counsel have determined that the additional treated water transmission lines described above will need to be installed in the ground at varying depths, and that, accordingly, the acquisition of interests in real property is necessary in order to construct and maintain such treated water transmission lines within the Gold Hill Segment of the Greeley Bellvue Pipeline depicted on Exhibit A; and

WHEREAS, the Board has determined that the aforementioned acquisition of interests in real property, either through purchase or exercise of the City's power of eminent domain, is necessary for the development and use of said treated water transmission lines.

NOW, THEREFORE, BE IT RESOLVED BY THE BOARD AS FOLLOWS:

1. The Board hereby determines that it is necessary for the City to acquire, either through purchase or exercise of the power of eminent domain, permanent easements and temporary construction easements for the installation, operation, maintenance, repair, and replacement of treated water transmission lines, for the continued overall operation of the water works, and more specifically for the delivery of treated domestic water to the citizens of the City and other served communities and individuals.

2. The Board hereby determines that the acquisition of permanent easements and temporary construction easements is necessary within the Gold Hill Segment of the Greeley Bellvue Pipeline depicted on Exhibit A, either through purchase or exercise of the power of eminent domain, for the above-described purposes.

3. The City's staff and counsel are hereby authorized and directed to continue with the acquisition of the above-described interests in real property, either through purchase or exercise of the power of eminent domain. The Board hereby ratifies any previous actions by City staff in negotiating the acquisition of such interests in real property, and in providing notice of the City's intent to acquire such interests, in accordance with Colo. Rev. Stat. § 38-1-101, et seq.

PASSED AND ADOPTED, SIGNED AND APPROVED THIS ____ DAY OF AUGUST 2018.

ATTEST:

Secretary to the Board

Board Chairman

WATER & SEWER BOARD AGENDA JULY 17, 2019

ENCLOSURE X NO ENCLOSURE

ITEM NUMBER: 10

TITLE: APPROVE AND RECOMMEND TO CITY
MANAGER THE WATER & SEWER 2020
OPERATING BUDGET AND 5 YEAR CIP

RECOMMENDATION: APPROVE AND RECOMMEND TO CITY
MANAGER THE WATER & SEWER 2020 OPERATING BUDGET AND 5
YEAR CIP

ADDITIONAL INFORMATION:

Staff prepared the 2020 operating budget and the five-year capital program for review by the Water and Sewer Board. The 2020 operating budget is the second year of the two-year budget and the only changes are reflected in the seven supplemental requests. The proposed budget emphasizes system maintenance and reliability as well as securing additional water supplies and storage. Highlights for the budget include:

Operating

- Three new positions
 - Rates and Budget Analyst
 - Water Conservation Analyst
 - Treated Water Reservoir Maintenance Technician
- Four additional budget supplemental requests
 - Non-potable dump truck
 - Non-potable vacuum truck
 - Farm maintenance increase
 - Water conservation van

Capital

- Key projects
 - Water treatment plants rehabilitation projects
 - Windy Gap Firming
 - Milton Seaman Expansion
 - Non-potable system expansion
 - WPCF rehabilitation projects

Rate Impact

On average, residential water bills will increase approximately \$4.18/month and residential sewer bills will increase approximately \$1.17/month for a total water and sewer bill increase of \$5.35/month. Plant investment fees will decrease for water and increase for sewer. Water plant investment fees will decrease from \$10,800 to \$10,500 and sewer plant investment fees will increase from \$5,700 to \$6,000.

Water Pro-Forma 2020

Line No.	Total for 2020	Operating	Construction	Replacement	Acquisition	
Operating Revenue:						
1	User Charges	41,357,422	41,357,422			
2	Plant Investment Fees	6,615,904		6,615,904		
3	Hydrant Sales	375,000	375,000			
4	Raw Water Surcharge	350,000			350,000	
5	Cash-in-Lieu	500,000			500,000	
6	Meter Sales/Rentals	180,000		180,000		
7	Total Operating Revenue	49,378,326	41,732,422	6,795,904	-	850,000
Operating Expenses:						
8	O&M	17,891,139	17,769,294	121,845		
9	Windy Gap Assessments	859,000	859,000			
10	Total Operating Expenses	18,750,139	18,628,294	121,845	-	-
11	Operating Income	30,628,187	23,104,128	6,674,059	-	850,000
Non-Operating Revenue:						
12	Miscellaneous	1,549,000	1,549,000			
13	Investment Income	332,032	163,220	19,944	40,940	107,928
14	Sewer Fund for Services & Meters	85,028	85,028			
15	Sale of Assets	-				
16	Bond Issue	72,500,000		40,000,000	12,500,000	20,000,000
17	Total Non-Operating Revenue	74,466,060	1,797,248	40,019,944	12,540,940	20,107,928
Non-Operating Expenses:						
18	Water Acquisition	11,979,000				11,979,000
19	Capital	84,827,635		61,481,470	23,346,165	
20	Debt Service	13,933,191		7,341,238	2,281,058	4,310,895
21	General Fund for General Administration	2,024,446	2,024,446			
22	Total Non-Operating Expenses	112,764,272	2,024,446	68,822,708	25,627,223	16,289,895
Interfund Revenue or (Expense)						
	Loan Repayment to Replacement	54,450			54,450	
	Funded Depreciation	-	(8,629,124)		8,629,124	
	Grant Reimbursement	1,775,000			1,775,000	
	Debt Service Transfers from Operating	-	(13,933,191)	7,341,238	2,281,058	4,310,895
	Additional Transfer from Operating	-	(5,793,174)	5,399,286	393,888	
23	Total Interfund Revenue (Expense)	1,829,450	(28,355,489)	12,740,524	13,133,520	4,310,895
24	Annual Surplus (Deficiency)	(5,840,575)	(5,478,559)	(9,388,181)	47,237	8,978,928
25	Beginning Fund Balance 2020	39,020,118	19,061,257	9,388,181	4,267,325	6,303,355
26	Ending Fund Balance 2020	33,179,543	13,582,698	-	4,314,562	15,282,283
27	Minimum Target Reserve	4,593,278				

Water Pro Forma 2020 - 2029

Line No.	10-year Total	Operating	Construction	Replacement	Acquisition	
Operating Revenue:						
1	512,748,250	512,748,250				
2	69,492,224		69,492,224			
3	4,298,957	4,298,957				
4	4,012,358				4,012,358	
5	58,393,804				58,393,804	
6	2,224,692		2,224,692			
7	651,170,285	517,047,207	71,716,916	-	62,406,162	
Operating Expenses:						
8	209,891,643	208,494,828	1,396,815			
9	10,024,747	10,024,747				
10	219,916,390	218,519,575	1,396,815	-	-	
11	Operating Income	431,253,895	298,527,632	70,320,101	-	62,406,162
Non-Operating Revenue:						
12	16,602,941	16,602,941				
13	5,258,048	1,171,664	628,789	642,320	2,815,275	
14	997,500	997,500				
15	-					
16	239,500,000		80,000,000	25,500,000	134,000,000	
17	262,358,489	18,772,105	80,628,789	26,142,320	136,815,275	
Non-Operating Expenses:						
18	149,718,865				149,718,865	
19	307,420,081		166,294,859	141,125,222		
20	178,253,055		70,567,855	26,355,016	81,330,184	
21	23,207,999	23,207,999				
22	658,600,000	23,207,999	236,862,714	167,480,238	231,049,049	
Interfund Revenue or (Expense)						
	544,500			544,500		
	-	(99,730,591)		99,730,591		
	1,775,000			1,775,000		
	-	(178,253,055)	70,567,855	26,355,016	81,330,184	
	-	(23,638,931)	5,957,788	17,681,143		
23	2,319,500	(301,622,577)	76,525,643	146,086,250	81,330,184	
24	Total Surplus (Deficiency)	37,331,884	(7,530,839)	(9,388,181)	4,748,332	49,502,572
25	Beginning Fund Balance 2020	39,020,118	19,061,257	9,388,181	4,267,325	6,303,355
26	Ending Fund Balance 2029	76,352,002	11,530,418	-	9,015,657	55,805,927
27	Minimum Target Reserve	6,259,656				

Sewer Pro-Forma 2020

Line No.		Total for 2020	Operating	Construction	Replacement
Operating Revenue:					
1	User Charges	11,455,085	11,455,085		
2	Plant Investment Fees	4,098,245		4,098,245	
3	Total Operating Revenue	15,553,330	11,455,085	4,098,245	-
Operating Expenses:					
4	O&M	6,618,315	6,496,470	121,845	
5	Total Operating Expenses	6,618,315	6,496,470	121,845	-
6	Operating Income	8,935,015	4,958,615	3,976,400	-
Non-Operating Revenue:					
7	Miscellaneous	232,000	232,000		
8	Investment Income	131,115	48,796	27,158	55,161
9	Bond Issue	11,000,000			11,000,000
10	Total Non-Operating Revenue	11,363,115	280,796	27,158	11,055,161
Non-Operating Expenses:					
11	Capital	11,827,629		4,522,590	7,305,039
12	Debt Service	1,834,930			1,834,930
13	Water Fund for Services and Meters	85,028	85,028		
14	General Fund for General Administration	432,423	432,423		
15	Total Non-Operating Expenses	14,180,010	517,451	4,522,590	9,139,969
Interfund Revenue or (Expense)					
	Funded Depreciation	-	(3,890,295)		3,890,295
	Debt Service Transfers from Operating	-	(1,752,430)		1,752,430
	Additional Transfer from Operating	-			
16	Total Interfund Revenue (Expense)	-	(5,642,725)	-	5,642,725
17	Annual Surplus (Deficiency)	6,118,120	(920,765)	(519,032)	7,557,917
18	Beginning Fund Balance 2020	15,552,508	5,339,978	2,975,357	7,237,173
19	Ending Fund Balance 2020	21,670,628	4,419,213	2,456,325	14,795,090
20	Minimum Target Reserve	1,601,869			

Sewer Pro Forma 2020 - 2029

Line No.		10-year Total	Operating	Construction	Replacement
Operating Revenue:					
1	User Charges	151,157,884	151,157,884		
2	Plant Investment Fees	47,482,296		47,482,296	
3	Total Operating Revenue	198,640,180	151,157,884	47,482,296	-
Operating Expenses:					
4	O&M	77,609,458	76,212,643	1,396,815	
5	Total Operating Expenses	77,609,458	76,212,643	1,396,815	-
6	Operating Income	121,030,722	74,945,241	46,085,481	-
Non-Operating Revenue:					
7	Miscellaneous	2,681,868	2,681,868		
8	Investment Income	2,338,352	286,848	1,232,339	819,165
9	Bond Issue	76,000,000		52,000,000	24,000,000
10	Total Non-Operating Revenue	81,020,220	2,968,716	53,232,339	24,819,165
Non-Operating Expenses:					
11	Capital	150,060,940		92,265,302	57,795,638
12	Debt Service	34,525,618		6,129,377	28,396,241
13	Water Fund for Services and Meters	997,500	997,500		
14	General Fund for General Administration	4,957,254	4,957,254		
15	Total Non-Operating Expenses	190,541,312	5,954,754	98,394,679	86,191,879
Interfund Revenue or (Expense)					
	Funded Depreciation	-	(46,462,877)		46,462,877
	Debt Service Transfers from Operating	-	(28,216,241)		28,216,241
	Additional Transfer from Operating	-			
16	Total Interfund Revenue (Expense)	-	(74,679,118)	-	74,679,118
17	Total Surplus (Deficiency)	11,509,630	(2,719,915)	923,141	13,306,404
18	Beginning Fund Balance 2020	15,552,508	5,339,978	2,975,357	7,237,173
19	Ending Fund Balance 2029	27,062,138	2,620,063	3,898,498	20,543,577
20	Minimum Target Reserve	2,183,184			

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
1	CITY OF GREELEY - WATER & SEWER DEPARTMENT 10 YEAR CIP for Water and Sewer Projects - 2020-2029														
2	<i>Revised May 28, 2019</i>														
3	POTABLE DEMAND				<u>YEAR</u>	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
4	Projected Peak Potable demand - MGD (base)					50.5	50.8	51.0	51.5	52.0	52.6	53.1	53.6	54.1	54.7
5	DESIGN-Peak potable demand (10% safety)					55.6	55.8	56.1	56.7	57.2	57.8	58.4	59.0	59.6	60.2
6															
7	Bellvue System														
8	Capacity of Bellvue Plant					35	35	35	35	35	35	35	35	35	35
9	Capacity of Bellvue Transmission Lines					30	30	32	32	32	32	32	32	32	32
10	Capacity of Bellvue System					30.0	30.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0
11	Boyd System														
12	Capacity of Boyd Plant					38	38	38	38	38	38	38	38	38	38
13	Capacity of Boyd Pipelines					40	40	40	40	40	40	40	40	40	40
14	Capacity of Boyd system					38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0
15	Combined System Capacities														
16						68.0	68.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
17	WATER				<u>PROJECT</u>										
18	<u>CONSTRUCTION 405</u>				<u>TOTALS</u>										
19	<u>Supply</u>	<u>Driver</u>	<u>Description</u>	<u>2020 To 2029</u>	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	
20	Milton Seaman Expansion or Alternative	Master Plan	Enlargement adds raw water storage for drought protection.	64,800,000	2,000,000	1,600,000	1,600,000	1,600,000	1,600,000	1,600,000	1,600,000	1,600,000	1,600,000	50,000,000	
21	Windy Gap Firming	Master Plan	Firms water rights for Greeley's Windy Gap units	56,800,000	56,200,000	200,000	200,000	200,000							
22	Non-Potable Expansion Projects	Master Plan	Non-Potable system expansion	12,715,900	1,010,000	1,060,500	1,111,000	1,171,600	1,232,200	1,292,800	1,353,400	1,424,100	1,494,800	1,565,500	
23	30" Pleasant Valley Pipeline and Pump Station	Master Plan	Greeley & Tri-Districts line from Pleasant Valley pipeline to Overland ponds - shared with Tri-Districts	3,200,000									1,200,000	2,000,000	
24	<u>Treatment</u>														
25	Bellvue 2mg Clearwell	Operations & Regulatory	Best practice is 10% of max daily production, need 4 mg and currently have 2mg	5,014,400					490,000	4,524,400					
26	Residuals Gravity Thickener-Bellvue	Operations & Master Plan	2nd residual gravity thickener for increased capacity & demand	1,900,040					184,000	1,716,040					
27	Residuals Gravity Thickener-Boyd	Operations & Master Plan	Residual gravity thickener to respond to increased carbon load	2,000,000						182,000	1,818,000				
28	<u>Transmission & Distribution</u>														
29	Bellvue Transmission Program (60")	Master Plan	Completion of Northern Segment of Bellvue Transmission Line	31,300	31,300										
30	Bellvue Transmission Program (Gold Hill Segment)	Master Plan	Gold Hill segment will allow gravity service to Gold Hill	4,118,000	2,048,000	2,020,000	25,000	25,000							
31	Distribution Line Extension & Oversizing	Operations & Master Plan	Development reimbursement for water line oversizing	1,780,300	574,000	122,200	129,300	136,400	136,400	136,400	136,400	136,400	136,400	136,400	
32	Land Acquisition & Management	Administration	Easements info into GIS & protects rights, acquire easements	50,000	50,000										
33	New Construction Meters	Operations	City installed meters for new development (reimbursed)	485,000	80,000	45,000	45,000	45,000	45,000	45,000	45,000	45,000	45,000	45,000	
34	Water Taps	Operations	City installed taps for new development or removing compound taps	750,000	75,000	75,000	75,000	75,000	75,000	75,000	75,000	75,000	75,000	75,000	
35	SUB-TOTAL 405 PROJECTS				153,644,940	62,068,300	5,122,700	3,185,300	3,253,000	3,762,600	9,571,640	5,027,800	3,280,500	4,551,200	53,821,900

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	
36	WATER				PROJECT TOTALS											
37	REPLACEMENT 406						2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
38	Supply	Driver	Description		2020 To 2029											
39	Ancillary system Improvements	Maintenance	Irrigation ditch system assessments and City maintenance		2,650,000	265,000	265,000	265,000	265,000	265,000	265,000	265,000	265,000	265,000	265,000	
40	Non-Potable Replacement and Rehabilitation	Maintenance	Maintenance to non-potable irrigation system. Expanding existing facilities to serve additional customers.		7,519,040	897,000	896,500	598,500	656,400	720,640	750,000	750,000	750,000	750,000	750,000	
41	Bellvue Intake Maintenance Project Phase 2	Maintenance	Repair damages to Bellvue raw water intake structure		1,879,000				1,834,000	45,000						
42	Boomerang G.C. Water Efficiency Improvements	Maintenance	Improvements at Boomerang Golf Course to save approximately 230 acre feet of water		3,300,000	300,000			3,000,000							
43	Water Resource Advertisement Campaign	Master Plan	Ad campaign in support of Milton Seaman permitting and general water resource issues		1,070,000	80,000	160,000	160,000	85,000	85,000	100,000	100,000	100,000	100,000	100,000	
44	Water Efficiency Tactical Team	Master Plan	Projects to reduce demand and better manage City's water resources		5,000,000	500,000	500,000	500,000	500,000	500,000	500,000	500,000	500,000	500,000	500,000	
45	Milton Seaman Outlet Works Evaluation	Operations & Regulatory	Replacement of the reservoir outlet gates		4,166,000			4,166,000								
46	Greeley Water History Book	Administration	Document the development of Greeley's water and sewer system		50,000	50,000										
47	Utility Billing Software Upgrade	Administration	Current utility billing software at end of life		1,250,000	1,250,000										
48	Lake Loveland Tower Cover	Maintenance	Replace one fiberglass cover over the Lake Loveland intake tower		85,000				85,000							
49	Hourglass Outlet Gates Rehabilitation	Maintenance	Add second hydraulic gate operator for emergency operations		282,000			67,000	215,000							
50	Comanche Secondary Gate Structure Rehab	Maintenance	Replacing two control gates due to deterioration of equipment and potential inoperability		206,000				40,000	166,000						
51	Treatment															
52	Bellvue WTP General Rehab.	Maintenance	General maintenance projects or unanticipated rehab		3,307,000	364,000	327,000	327,000	327,000	327,000	327,000	327,000	327,000	327,000	327,000	
53	Bellvue 20 MGD Treatment Train Replacement	Maintenance	Design/construct improvements to filters and other systems at Bellvue		1,211,725			1,078,550	133,175							
54	Bellvue 20 MGD Treatment Trains-Ph 2	Maintenance & Master Plan	20 MGD replacement of the old flocculation/sedimentation and 58/64 filters		27,600,000						2,400,000	25,200,000				
55	Boyd WTP General Rehab.	Maintenance	General maintenance projects or unanticipated rehab		3,320,000	530,000	310,000	310,000	310,000	310,000	310,000	310,000	310,000	310,000	310,000	
56	Boyd Process Improvements	Maintenance	Design/construct improvements to enable Boyd to operate in winter		10,532,000	5,516,000	5,016,000									
57	Boyd Microstrainer Building Remodel	Maintenance	Remodel Microstrainer building to meet current building code and expand space		1,152,000				576,000	576,000						
58	Boyd Chemical Tank Building	Maintenance	Construct a building over the chemical tanks at Boyd		810,000		810,000									
59	Boyd Flocculators Replacement	Maintenance	Replace 24 flocculators in the sedimentation basins		1,040,000			335,000	235,000	235,000	235,000					
60	Boyd Pump Station Intake Valve	Maintenance	Replace a non functional intake valve at the Boyd Lake pump station		237,400		237,400									
61	Boyd Sedimentation Basin Repair	Maintenance	Repair concrete erosion within the sedimentation basins		1,270,000				1,270,000							
62	Instrumentation & Controls - Water	Operations	Maintains SCADA systems and control panels		1,630,000	160,000	190,000	160,000	160,000	160,000	160,000	160,000	160,000	160,000	160,000	
63	Transmission & Distribution															
64	Transmission System Rehab.	Maintenance	Replacement and rehabilitation of transmission lines		21,235,000	4,169,000	2,209,000	2,099,000	1,989,000	1,769,000	1,800,000	1,800,000	1,800,000	1,800,000	1,800,000	
65	Distribution Pipeline Replacements	Maintenance	Replaces lines based on leak history or increase size for operations or meet City standards		12,338,000	1,368,000	1,370,000	1,200,000	1,200,000	1,200,000	1,200,000	1,200,000	1,200,000	1,200,000	1,200,000	
66	Valve Replacement	Maintenance	Replaces failed valves on system with over 12,000 valves		1,000,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	
67	Fire Hydrant Replacement	Maintenance	Replace hydrants that do not meet current city standards		770,000	77,000	77,000	77,000	77,000	77,000	77,000	77,000	77,000	77,000	77,000	
68	Meter Replacement	Maintenance	Replace meters that become inaccurate or failing		1,000,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	
69	Treated Water Reservoir Rehabilitation	Maintenance	Maintenance and minor repairs to the treated water reservoirs		594,000	185,500	88,500	40,000	40,000	40,000	40,000	40,000	40,000	40,000	40,000	
70	Capital Outlay Replacement	Maintenance	Replacement of rolling stock: trucks, loaders, etc.		5,341,000	490,000	115,000	430,000	800,000	1,211,000	535,000	380,000	750,000	220,000	410,000	
71	Transmission Customers Re-Route	Operations	Existing transmission line customers moved to other water providers		2,400,000	400,000				400,000	400,000	400,000	400,000	400,000		
72	Advanced Metering Infrastructure (AMI)	Operations	Install AMI to facilitate water savings, improve customer communication, enhance Water Budget		7,465,000	1,730,000	1,730,000	1,730,000	325,000	325,000	325,000	325,000	325,000	325,000	325,000	
73	W&S Facilities Program	Operations	Site will be developed to house W&S operational crews & equipment		400,000		200,000	200,000								
74	SUB-TOTAL 406 PROJECTS				132,110,165	18,531,500	14,701,400	13,943,050	14,322,575	8,611,640	7,224,000	9,234,000	32,404,000	6,674,000	6,464,000	
75	WATER ACQUISITIONS 407	Driver	Description													
76	Equalizer	Master Plan	Reservoir and exchanges for higher yields from GLIC		36,479,000	1,600,000	4,987,500	1,270,000	17,894,500	10,727,000						
77	Overland Trail Gravel Pits	Master Plan	Greeley and Tri-Districts for approximately 2,350 ac-ft storage		4,175,000	35,000	1,035,000	1,035,000	1,035,000	1,035,000						
78	Development of Parcel B, Poudre Ponds	Master Plan	Augmentation storage and return flows		6,750,000	3,150,000				3,600,000						
79	Future Water Acquisition	Master Plan	Water rights for 10,000 ac-ft		101,565,000	8,075,000	8,479,000	8,903,000	9,347,000	9,811,000	10,306,000	10,821,000	11,366,000	11,931,000	12,526,000	
80	New Cache/Larimer & Weld Change Case	Master Plan	Water use court system change from irrigation to municipal use		1,000,000	200,000	200,000	200,000	200,000	200,000						
81	Leprino Produced Water Claim	Master Plan	Water use court system to claim credit for Leprino produced water		100,000	100,000										
82	Water Supply and Storage Change Case	Master Plan	Water use court system change from irrigation to municipal use		450,000	150,000	150,000	150,000								
83	SUB-TOTAL 407 PROJECTS				150,519,000	13,310,000	14,851,500	11,558,000	28,476,500	25,373,000	10,306,000	10,821,000	11,366,000	11,931,000	12,526,000	
84	WATER TOTALS (405+406+407)															
85						436,274,105	93,909,800	34,675,600	28,686,350	46,052,075	37,747,240	27,101,640	25,082,800	47,050,500	23,156,200	72,811,900

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
86	SEWER				PROJECT TOTALS										
87	CONSTRUCTION 402														
88															
89	Collection	Driver		Description	2020 To 2029	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
90	N. Greeley Sewer Phase IIA	Master Plan		Provides service north of the Poudre River and along HWY 85	5,770,000				160,000	5,610,000					
91	Additional Sanitary Sewer MH's	Operations		Manholes added for operation and maintenance benefits	530,000	53,000	53,000	53,000	53,000	53,000	53,000	53,000	53,000	53,000	53,000
92	Sewer Taps	Operation		Sewer taps for new development (reimbursed)	100,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000
93	Poudre Trunk Phase II	Master Plan		Provides service west of 83rd Ave to 120th Ave	1,622,100	1,622,100									
94	Ashcroft Draw Lift Station	Master Plan		Provide service for Ashcroft Draw Basin and St. Michaels subdivision	3,030,000	3,030,000									
95	Treatment														
96	WPCF Primary Treatment Phase 3	Master Plan		Increase total treatment capacity for loads and flows through the WPCF	68,234,000							9,335,000		58,899,000	
97	SUB-TOTAL 402 PROJECTS				79,286,100	4,715,100	63,000	63,000	223,000	5,673,000	63,000	9,398,000	63,000	58,962,000	63,000
98	SEWER				PROJECT TOTALS										
99	REPLACEMENT 403														
100	Collection	Driver		Description	2020 To 2029	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
101	Sewer Collection System Rehabilitation	Maintenance		Lines smaller than 6" identified for replacement and system rehab	1,219,000	60,000	170,000	114,000	125,000	125,000	125,000	125,000	125,000	125,000	125,000
102	Trenchless Main and Collector Rehab	Maintenance		In pipe Cure-in-Place repair of sanitary system	4,290,000	510,000	420,000	420,000	420,000	420,000	420,000	420,000	420,000	420,000	420,000
103	WWC Sewer System Rehabilitation	Maintenance		Repairs of sanitary sewer manholes and main lines by Collections	1,640,000	200,000	160,000	160,000	160,000	160,000	160,000	160,000	160,000	160,000	160,000
104	Wastewater Flow Monitoring Program	Maintenance		Install flow meters on trunk lines for flow monitoring	200,000	50,000	50,000	50,000	50,000						
105	Treatment														
106	General Rehabilitation Projects	Maintenance		Small or unanticipated maintenance projects	7,722,000	731,200	920,200	841,200	807,200	922,200	700,000	700,000	700,000	700,000	700,000
107	WPCF SCADA System Replacement	Maintenance		Provide required security, monitoring, and controls for the WPCF	290,000	240,000	25,000	25,000							
108	Instrumentation & Controls - Wastewater	Operations		Maintains SCADA systems and control panels	750,000	75,000	75,000	75,000	75,000	75,000	75,000	75,000	75,000	75,000	75,000
109	WPCF Stream Temperature Assessment	Regulatory		Study effluent temperature issues for possible new regulations	225,000	150,000	75,000								
110	Nitrification Phase 2	Regulatory		Plant upgrade to meet upcoming biological nutrient reduction regs	20,812,490	20,411,490	401,000								
111	WPCF Primary Treatment-Phase 2	Maintenance & Master Plan		Repairs existing three primary clarifiers built in 1960's & 1980's and improves performance	19,846,100		2,595,000	16,841,100	410,000						
112	Studies & Others														
113	Wastewater Treatment Master Plan Update	Master Plan		Update 2018 WPCF Master Plan	1,050,000				525,000						525,000
114	Utility Billing Software Upgrade	Administration		Current utility billing software at end of life	500,000	500,000									
115	Capital Outlay Replacement	Maintenance		Replacement of rolling stock: trucks, loaders, etc.	1,551,000	41,000	570,000	60,000	45,000	610,000				225,000	
116	SUB-TOTAL 403 PROJECTS				60,095,590	22,968,690	5,461,200	18,586,300	2,617,200	2,312,200	1,480,000	1,480,000	1,705,000	1,480,000	2,005,000
117															
118	SEWER TOTALS (402+403)=				139,381,690	27,683,790	5,524,200	18,649,300	2,840,200	7,985,200	1,543,000	10,878,000	1,768,000	60,442,000	2,068,000
119	WATER & SEWER TOTALS=				575,655,795	121,593,590	40,199,800	47,335,650	48,892,275	45,732,440	28,644,640	35,960,800	48,818,500	83,598,200	74,879,900



Water and Sewer Capital Program

2020-2024



405 – Water New Construction Fund

Water Taps

Project Number: 122	Budget Year: 2020
Division: Transmission/Distribution	Council Priority: Infrastructure & Growth- Environmental Infrastr'r
Project Type: Water Construction Transmission &	Regions: 0 - All Wards
Fund: Water Construction	Location: Citywide
Project: Dan Moore	Budget Unit #: 4050088088100000
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

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

Revenue Detail:

New customers = new water revenue

Impact on Operating Budget:

None

GL Account	Description	Previous 3 Years	2018 Actual	2019 Revised Budget	2020	2021	2022	2023	2024	Grand Total
Revenue										
	Fund Balance	-	-	1,731,626	-	-	-	-	-	-
4461	New Meter Sales	253,417	128,885	25,000	50,000	52,221	54,541	57,076	59,788	680,928
4462	Large Meter Sales	185,944	66,326	15,000	35,000	36,555	38,179	39,954	41,852	458,810
4464	Labor & Materials	44,082	10,683	3,000	10,000	10,444	10,908	11,415	11,957	112,489
4611	Plant Investment Fees	15,213,601	6,027,277	-1,759,626	6,496,867	4,645,500	4,720,719	5,973,064	6,673,018	47,990,420
4612	Promontory PIF Surcharge	8,100	-	-	-	-	-	-	-	8,100
53**	Water Rates	170,874	-	-	4,000,000	-	-	-	-	4,170,874
5632	Rents From Equipment	411,421	137,445	60,000	85,000	88,776	92,719	97,029	101,639	1,074,029
Total Revenue		\$16,287,439	\$6,370,616	\$75,000	\$10,676,867	\$4,833,496	\$4,917,066	\$6,178,538	\$6,888,254	\$54,495,650
Expense										
8202	Construction	22,504	-	5,000	5,000	5,000	5,000	5,000	5,000	52,504
8203	Construction - City Depts	5,220	-	5,000	5,000	5,000	5,000	5,000	5,000	35,220
8208	Furniture, Fixtures &	4,600	-	-	-	-	-	-	-	4,600
8216	Miscellaneous	6,869	-	3,500	3,500	3,500	3,500	3,500	3,500	27,869
8224	Operating Supplies	1,229	-	-	-	-	-	-	-	1,229
8226	Permits, Fees, Etc	1,263	-	-	-	-	-	-	-	1,263
8232	Project Management	6,338	158	-	-	-	-	-	-	6,495
8234	Repair/Maintenance Supplies	118,061	17,637	61,500	61,500	61,500	61,500	61,500	61,500	504,698
Total Expense		\$166,083	\$17,795	\$75,000	\$75,000	\$75,000	\$75,000	\$75,000	\$75,000	\$633,878
Net Total		\$16,121,356	\$6,352,821	-	\$10,601,867	\$4,758,496	\$4,842,066	\$6,103,538	\$6,813,254	\$53,861,772



406 – Water Replacement Fund



407 – Water Acquisition Fund



402 – Sewer New Construction Fund



403 – Sewer Replacement Fund



Water Operations

2020

Water Administration

GL Account *	Notes	2020
7111- Regular Employees		736,296
7121- Overtime-Regular		5,000
7211- Disability		4,272
7212- Health		117,283
7213- Life		2,186
7214- Dental		4,005
7215- Workers Compensation		3,267
7221- General Employees		29,451
7227- 401K		14,137
7231- FICA		45,649
7234- Medicare		10,675
7314- Office Supplies & Materials		10,000
7328- Fleet Fuel	2019 cost 298.14 gallons of Unleaded at \$2.75/gal. 2020 cost 298.14 gallons of Unleaded at \$2.95/gal.	880
7329- Other Operating Supplies		10,000
7344- General Maintenance Supplies	This budget purchases cleaning supplies for W&S admin offices.	500
7362- Small Items Of Equipment \$100 - \$5,000	Computer hardware costs increasing for division	5,500
7411- Postage	6100 pieces @ \$0.50	3,150
7418- Advertising		1,000
7424- In-House Copying	Doing most copying in house now because of better printers, copy numbers increasing	11,500
7426- Outside Printing		6,000
7432- Publications, Subscriptions, and Dues		18,000
7442- Water/Sewer/Stormwater	Payments to North Weld Water for water taken through Greeley's interconnect. We receive more revenue for the water sold to customers than we pay North Weld. Net gain.	18,500
7445- Telephone	Reflects recent costs	4,500
7458- Other Professional Services - White collar	Professional services related to rate model development and cross connection control software maintenance	59,000
7458- Other Professional Services - White collar	Financial External Audit (annual, currently Anton Collins Mitchell LLP)	15,000
7462- Equipment Maintenance Charges	Budgeted by Equipment Maintenance:	2,426
7469- Other Repair Maintenance Services		400
7472- Hotel & Motel	Hotel costs for training	1,000
7473- Meals	~5 days per diem	400
7475- Mileage	2600 miles @ \$0.50/mile.	1,200
7478- Registration	Ten employees @ \$1000/employee.	10,000
7496- Other Purchased Services - Blue Collar	FedEx fees increasing, utilizing more often to manage contracts	2,150
7631- Rent	Rent Paid to General Fund 0015050050000000 - Maintenance 5366, Tied to repayment schedule. 2019 higher to compensate for 2017 & 2018 interest payments. 2020 ties to schedule.	117,680
7655- Bank/Investment Charges		145,000

Water Engineering

GL Account *	Notes	2020
114116 7111- Regular Employees		408,970
114106 7112- Salaries & Wages - Seasonal		12,000
114117 7211- Disability		2,373
114118 7212- Health		50,783
114119 7213- Life		1,199
114120 7214- Dental		1,734
114125 7215- Workers Compensation		5,057
114121 7221- General Employees		16,360
114122 7227- 401K		7,852
114123 7231- FICA		25,356
114124 7234- Medicare		5,929
	Asset Manager and Asset Technician now in this budget.	
114126 7314- Office Supplies & Materials	Budget for ink cartridges.	300
	2019 cost 1510.72 gallons of Unleaded at \$2.75/gal. 2020 cost	
	1510.72 gallons of Unleaded at \$2.95/gal.	4,457
114115 7328- Fleet Fuel		200
114107 7329- Other Operating Supplies		150
114108 7333- Machinery, Vehicle & Equipment Parts	Budgeted by Equipment Maintenance:	
	Additional computer supplies for Asset Manager/Asset	
	Technician-increased by \$500	1,500
114127 7362- Small Items Of Equipment \$100 - \$5,000		-
114109 7411- Postage		-
114110 7418- Advertising		-
114111 7426- Outside Printing		1,200
114112 7432- Publications, Subscriptions, and Dues		3,500
114128 7445- Telephone	5 phones at a avg monthly charge of \$70/month	9,000
114113 7455- Architectural/Engineering		
	Maintenance agreement fee for the asset management	
	system. All water divisions budgeted here for this fee	22,000
114129 7458- Other Professional Services - White collar	Budgeted by Equipment Maintenance:	4,990
114133 7462- Equipment Maintenance Charges		4,000
114135 7472- Hotel & Motel		1,500
114130 7473- Meals	5 days of per diem estimated	2,000
114131 7474- Air Travel		500
114134 7475- Mileage	1000 miles @ \$0.50	100
114136 7477- Other Travel		
	5 employees attending North American Society for Trenchless	
	Technology @ approximately \$850/persion	5,500
114132 7478- Registration	Adding data plans for wireless internet access for 20 laptops to	
	access asset management system. All water divisions budgeted	
	here.	1,000
114114 7496- Other Purchased Services - Blue Collar		
-2147483648		

Services and Meters

GL Account *	Notes	2020
7111- Regular Employees		273,615
7121- Overtime-Regular	On call after hour emergencies. The division's average is \$35/hour at 255 overtime hours annually.	8,000
7211- Disability		1,588
7212- Health		66,501
7213- Life		840
7214- Dental		2,272
7215- Workers Compensation		5,392
7215- Workers Compensation	Seasonal Workers Comp Workers Comp for seasonal position	-
7221- General Employees		10,945
7227- 401K		5,254
7231- FICA		16,962
7231- FICA	Seasonal FICA	-
7234- Medicare		3,969
7234- Medicare	Seasonal Medicare	-
7314- Office Supplies & Materials		300
7321- Medical/Chemical		300
7325- Clothing And Uniforms	Safety clothing and personnel protection equipment for 5 FTE's, 5 pairs safety boots @ \$200 each, 20 safety shirts @ \$36 each, 10 uniform pants @ \$30 each, 5 COG logo hats @ \$9 each, 12 pair safety gloves @ \$6 each, 3 safety vests @ \$16 each, 5 pair safety glasses @ \$13 each, 3% increase	2,440
7328- Fleet Fuel	2019 cost 4930.65 gallons of Unleaded at \$2.75/gal. 2020 cost 4930.65 gallons of Unleaded at \$2.95/gal.	14,545
7329- Other Operating Supplies	Propane, acetylene, cell phone accessories and batteries.	3,030
7333- Machinery, Vehicle & Equipment Parts	Budgeted by Equipment Maintenance:	1,190
7338- Water,Sewer,Irrigation Line Repair Parts	15 meters pits @ \$120 each, 15 domes @ \$130 each, 15 setters @ \$110 each, 5 composite 24" lids @ \$240 each, misc brass fittings 2014 same parts with a 4.5% mark up (\$1400)	8,860
7344- General Maintenance Supplies	Historical costs for small tools, meter pit keys, stop box keys, meter vault lid lifting hooks, shovels and janitorial supplies	12,050
7362- Small Items Of Equipment \$100 - \$5,000		3,800
7411- Postage		30
7426- Outside Printing		250
7432- Publications, Subscriptions, and Dues		300
7441- Electric		5,200
7444- Natural Gas		5,700
7445- Telephone		2,730
7458- Other Professional Services - White collar		2,225
7462- Equipment Maintenance Charges	Budgeted by Equipment Maintenance:	8,947
7469- Other Repair Maintenance Services		300
7478- Registration	Increase by \$1000	1,110
7496- Other Purchased Services - Blue Collar	Increase by \$4900 for large meter testing Annual lease on (2) gas detectors used for confined space entry. Increased \$1300 for new contract	8,240
7631- Rent		4,500

Transmission - Reservoirs

GL Account *	Notes	2020
7111- Regular Employees		317,065
7112- Salaries & Wages - Seasonal	1 seasonal employee necessary to help with in-house corrective maintenance projects, assist the maintenance mechanic with routine preventative maintenance, perform landscape maintenance and assist with confined space entries.	20,800
7121- Overtime-Regular	on-call/weekend duty: average hourly rate for (7) fte's over rate \$37: on-call is 8 hrs@37/hr x 52 weeks. holiday coverage: 4 hrs @ \$37/hr x 10. emergency response: 56 calls @ \$36/hr. transmission line/utility locat tech after hour projects/call outs 100 hrs @ \$37/hr.	22,000
7211- Disability		1,839
7212- Health		60,455
7213- Life		953
7214- Dental		2,065
7215- Workers Compensation	Seasonal Workers Comp	581
7215- Workers Compensation		6,816
7221- General Employees		12,683
7227- 401K		6,088
7231- FICA		19,658
7231- FICA	Seasonal FICA FICA taxes for seasonal employee	1,197
7234- Medicare		4,597
7234- Medicare	Seasonal Medicare	280
7314- Office Supplies & Materials		2,000
7321- Medical/Chemical	At our 3 reservoir complexes we use sodium hypochlorite solution to provide secondary disinfection treatment. gallons used is proportional with gallons of water usage. the department is projecting an 8% increase in water production. vendors indicate a \$0.06 increase per gallon 27,418 gallons sodium hypochlorite @ \$1.35 per gallon	4,900
7325- Clothing And Uniforms	Safety boots 6 @ \$200, cog logo hats 30 @ \$8, hard hats 15 @ \$30, safety shirts 56 @ \$35, light coveralls 4 @ \$30, safety gloves 336 prs @ \$5, safety vest 56 @ \$14, first aid kit refill 8 @ \$25, rubber boots 14 @ \$35, safety glasses 504 prs @ \$5, safety sweatshirts 28 @ \$50, ear protection plugs 4 @ \$25, ear protection bulk 2 @ \$26, ear protection muffs 8 @ \$10, face shields 4 @ \$25, eye protection goggles 31 @ \$1, eye protection over the glasses 10 @ \$6, rain gear 14 @ \$35, bug spray 48 @ \$4, sun screen 4 @ \$30	6,200
7328- Fleet Fuel	2019 cost 7960.9 gallons of Unleaded at \$2.75/gal. 2020 cost 7960.9 gallons of Unleaded at \$2.95/gal. 2019 cost 297.5 gallons of Diesel at \$3.06/gal. 2020 cost 297.5 gallons of Diesel at \$3.26/gal.	24,455
7329- Other Operating Supplies	Funds used for propane, batteries, cell phone accessories, oxygen & acetylene. inline with 2013 expenditures.	4,000
7333- Machinery, Vehicle & Equipment Parts	Budgeted by Equipment Maintenance:	4,000
7338- Water,Sewer,Irrigation Line Repair Parts	Parts used for transmission and distribution system appurtenances. major areas are: combination air vacuum valves and hardware located in vaults throughout the entire transmission system; 22 pressure regulating stations located throughout the distribution system; parts for repairing plumbing, pumps, the sodium hyperchlorite dispensing systems at 3 reservoir complexes	12,500

	The purchase of small tools, lumber, ladders, rakes, shovels, weed eaters and mower blades. also includes all cutting blades for chop saws, angle grinders, reciprocating saws and all welding supplies. painting supplies and janitorial supplies for the (3) reservoir complexes and the zone 4 pump station are purchased through this account	24,000
7344- General Maintenance Supplies		24,000
7346- Street & Traffic Repair and Maintenance Supplies		1,200
7348- Plant Materials	Sod, grass for the (3) reservoir complexes	1,000
7362- Small Items Of Equipment \$100 - \$5,000		6,950
7411- Postage		10
7424- In-House Copying		500
7426- Outside Printing		150
7432- Publications, Subscriptions, and Dues		1,500
	Electrical services are provided to operate and protect our distribution and transmission systems. City of Greeley water/sewer receives electrical services from both xcel energy and poudre valley rural electrical association as part of our cathodic protection system, which impresses an electrical current onto the larger steel transmission main, we have 6 rectifiers. To move water through the reservoir complexes and provide water to zone 4 (promontory) we have 2 major pump stations. 1) of our 22 pressure regulating valve stations received power. This provides remote operation and supervisory control and data acquisition capabilities.	258,000
7441- Electric		258,000
7444- Natural Gas		8,000
	Telephone/cell phone services and phone alarm systems at the (3) reservoir complexes	10,500
7445- Telephone		10,500
7446- Other Utility		1,000
7458- Other Professional Services - White collar	Outside laboratory water quality testing charges.	2,500
7461- Machine, Vehicle, Equipment	Fees for repairs outside the city of greeley	4,000
7462- Equipment Maintenance Charges	Budgeted by Equipment Maintenance: 2 yr avg	28,217
7466- Buildings	Bldg service and repair	2,600
7469- Other Repair Maintenance Services		2,600
	Registration fees for american water works association * action now* seminars and internet course training for the necessary training units to renew colorado water and wastewater operator certifications. All reservoir personnel have multiple certifications. Also for advanced electrical & instrumentation training.	6,500
7478- Registration		6,500
	Instructional advice received about the maintenance of our cathodic protection system. This is our corrosion control protection for our large diameter steel transmission mains; we induce an electrical current on to the pipe line. Utility notification center of colorado locate ticket request charges.	15,000
7496- Other Purchased Services - Blue Collar		15,000
7631- Rent	Lease agreement fee for 3 gas detection monitors and rental charges of misc. equipment on tools.	6,000

Distribution

GL Account *	Notes	2020	
7111- Regular Employees		1,154,375	
7121- Overtime-Regular	<p>Projected work programs and leak history: water emergency repair 5 main crew: after hours: 26 repairs x 6 hrs x \$176: emergency repair with 2 hr ot: 25 repairs x 2 hrs x \$176: on-call-2 hrs for 200 calls: 200 x 2 hrs x \$37: crew supervisors: project preparation and contractor assistance: 128 hr x \$50: special projects 9 man crew; 2 hr a day, 4 days a week, 28 weeks: \$265 x 2 x 4 x 28. Annual 3% increase</p>	160,000	
7211- Disability		5,973	
7212- Health		214,619	
7213- Life		3,117	
7214- Dental		7,329	
7215- Workers Compensation		19,239	
7221- General Employees		41,168	
7227- 401K		19,763	
7231- FICA		63,822	
7234- Medicare		14,928	
7314- Office Supplies & Materials	1,643		
7321- Medical/Chemical	1,314		
7325- Clothing And Uniforms	14,000		
7328- Fleet Fuel	<p>2019 cost 12580.3 gallons of Unleaded at \$2.75/gal. 2020 cost 12580.3 gallons of Unleaded at \$2.95/gal. 2019 cost 7888.58 gallons of Diesel at \$3.06/gal. 2020 cost 7888.58 gallons of Diesel at \$3.26/gal.</p>	62,829	
7329- Other Operating Supplies	<p>Historical costs for propane; batteries for pipe locating equipment, barricade flashing lights, mobile radios, leak detection equipment; meals for emergency leak repairs Budgeted by Equipment Maintenance:</p>	3,788	
7333- Machinery, Vehicle & Equipment Parts		8,123	
7338- Water,Sewer,Irrigation Line Repair Parts	<p>Average 55 leaks per year. Cost varies due to repair parts required. Cost per leak repair varies from \$2,500 to \$35,000. Stainless steel leak repair clamps; range 3" to 36". Repair clamps range in price from \$45.00 to \$1200.00.</p>	11,730	
7344- General Maintenance Supplies	<p>Historical costs for replacing shovels, hammers, screwdrivers, rakes, brooms, pry bars, high impact sockets, flaring tools, load straps, lifting slings, pipe lifting clamps, ladders, pressure gauges and janitorial supplies.</p>	21,220	
7346- Street & Traffic Repair and Maintenance Supplies	<p>Historical costs for repairing the public right of way after emergency corrective repairs that have been made to the distribution and transmission water systems. flowfill @ \$60/cyd, cold mix @ \$125/ton fill sand @ \$4/ton, 1 1/2" washed rock @ \$11/ton, hot asphalt \$49/sq yard for the purchase of emergency signage and traffic cones.</p>	15,450	
7348- Plant Materials		1,500	
7362- Small Items Of Equipment \$100 - \$5,000		10,000	
7411- Postage		45	
7424- In-House Copying		4,188	
7426- Outside Printing		366	
7432- Publications, Subscriptions, and Dues		1,600	
7441- Electric		Annual electrical service provided to building l in the city shops complex	6,600
7444- Natural Gas			4,400
7445- Telephone			6,420
7446- Other Utility		60	

	Annual fees paid to the weld county health department for performing water quality testing required by federal mandate. 90 test a month are performed minimally. Lucity support and maintenance.	34,712
7458- Other Professional Services - White collar		
7461- Machine, Vehicle, Equipment	Outside equipment repair	3,000
7462- Equipment Maintenance Charges	Budgeted by Equipment Maintenance: 2 yr avg	107,281
7466- Buildings		-
	Annual cost for the asphalt paving, curb, gutter and sidewalk replacement damaged or removed during water main emergencies	38,230
7468- Streets, Roads, Traffic Lights		
7469- Other Repair Maintenance Services	Historical cost of maintaining the divisions copier, fax machine, printers	1,000
7475- Mileage		500
	Monies used for attending americian water works association "action now" seminars and attending the two day distribution operator's short school put on by the colorado water and wastewater operators certification board. This training is for earning the necessary training units for certification renewal. One employee will be attending for a week the advanced water & wastewater plant operator school. Classes for two Class A CDL's \$7,000 and four Class B CDL's \$6,000	10,000
7478- Registration		
	Monies used for the utility notification center of colorado charges; distribution division administers the programs and pays 1/6 of the cost. Current charges are \$1.45 per ticket and a 5% increase is expected. Additon of 101 - CL2 samples monthly. 32 DBP samples added yearly	40,000
7496- Other Purchased Services - Blue Collar		
	Monies used for the lease of (1) gas detection and other rental items such as electric shops saws when necessary	1,650
7631- Rent		

Non-Potable

GL Account *	Notes	2020
7111- Regular Employees		173,249
7112- Salaries & Wages - Seasonal		19,000
7121- Overtime-Regular		8,250
7211- Disability		1,004
7212- Health		36,273
7213- Life		524
7214- Dental		1,239
7215- Workers Compensation	Seasonal Workers Comp	587
7215- Workers Compensation		3,724
7221- General Employees		6,930
7227- 401K		3,327
7231- FICA	Seasonal FICA	1,209
7231- FICA		10,742
7234- Medicare		2,513
7234- Medicare	Seasonal Medicare	283
7314- Office Supplies & Materials		400
	Cost for algae control chemicals, copper sulphate used at 19pumping stations and poudre ponds and the 5 ditch's we maintain. also covers cost incurred for landscaping and pest control at 30 non-potable stations and at the gravel pit. 4 CDL physicals	
7321- Medical/Chemical		2,150
	safety clothing and personal protection equipment for 4 FTE's (1 additional because of taking over Park's non-potable assets) and 2 seasonal. safety boots, hard hats, safety shirts, light coveralls, safety gloves, first aid kits, safety vests, rubber boots, ear protection, rain gear, sun screen	
7325- Clothing And Uniforms		4,500
	2019 cost 5016.91 gallons of Unleaded at \$2.75/gal. 2020 cost 5016.91 gallons of Unleaded at \$2.95/gal. 2019 cost 176.62 gallons of Diesel at \$3.06/gal. 2020 cost 176.62 gallons of Diesel at \$3.26/gal.	
7328- Fleet Fuel		15,376
7329- Other Operating Supplies		1,000
	Maintenance supplies for six vehicles and two chain saws, 1 chop saw, generator and pumps. 1 hotsy includes: spark plugs, air filters, drive belts, diaphragms, weed eater string, mower blades, hydaulic hoses and lubricants and all vehicle maintenance equipment needs to perform throughout the year. Additional vehicle and equipment with expanded non-potable assets.	
7333- Machinery, Vehicle & Equipment Parts		8,000
	Repairs to pump stations not covered by service contracts such as pumps that we replace or rebuild in house, filters, pressure regulating valves, hoses and chemical feeders. Repairs to sprinkler systems. All necessary materials needed to make repairs to systems piping infrastructures, mechanical joint coupler, etc.	
7338- Water,Sewer,Irrigation Line Repair Parts		3,500
	Spraying the exterior of pump stations with a protective concrete sealer and graffiti protectant. also small hand tools, shovels, rakes, pitch forks and janitorial supplies. Non-potable is now responsible for Parks non-potable assets which doubled the amount of maintenance needed.	
7344- General Maintenance Supplies		20,000
7346- Street & Traffic Repair and Maintenance Supplies		2,159
7348- Plant Materials		500
7362- Small Items Of Equipment \$100 - \$5,000	Weed eater, grass edger, new trash pump,	6,800
7411- Postage	Miscellaneous mailings	100
7426- Outside Printing		93

7432- Publications, Subscriptions, and Dues		400
7441- Electric	Electrical service to pump stations. Added Park's pump stations.	440,000
7445- Telephone	Cost for 8 cell phones average monthly cost of \$70 per phone	6,680
7446- Other Utility		31
7458- Other Professional Services - White collar		700
7462- Equipment Maintenance Charges	Budgeted by Equipment Maintenance:	21,166
7465- Grounds		500
7466- Buildings		2,000
7469- Other Repair Maintenance Services	Contract to repair pumps and programmable logic controllers at all 38 pump stations, also to cover asphalt repair costs. Added 20 Parks sites.	10,620
7478- Registration	Three FTE's to pump and filter training classes.	5,000
7496- Other Purchased Services - Blue Collar	Proportional cost for utility locating request. The utility notification center of colorado currently charges \$1.61 per request. Annual lease on 92 gas detectors used for confined space entry.	12,000
7631- Rent		4,500

Instrumentation and Controls - Water

GL Account *	Notes	2020
7111- Regular Employees		465,577
7121- Overtime-Regular	I&C Techs for standby and emergencies	20,000
7211- Disability		2,697
7212- Health		72,541
7213- Life		1,382
7214- Dental		2,479
7215- Workers Compensation		10,012
7221- General Employees		18,627
7227- 401K		8,940
7231- FICA		28,863
7234- Medicare		6,752
7314- Office Supplies & Materials	Copy paper etc.	500
	Safety boots cog logo hats, hard hats 1, safety shirts , light coveralls, safety gloves, safety vest , first aid kit refill, rubber boots , safety glasses, safety sweatshirts, ear protection plugs, ear protection, ear protection muffs, face shield, eye protection goggles, eye protection over the glasses, rain gear, bug spray, sun screen In the past this money was taken from the treatment plants and reservoirs accounts.	
7325- Clothing And Uniforms		5,000
	Funds used for propane, batteries, cell phone accessories, oxygen & acetylene. inline with 2013 expenditures. In the past this money was taken out of each treatment plant accounts.	
7329- Other Operating Supplies		1,000
7333- Machinery, Vehicle & Equipment Parts	Budgeted by Equipment Maintenance:	1,000
	Parts used for transmission and distribution system appurtenances. Major areas are: hardware located in vaults throughout the entire transmission system; 22 pressure regulating stations located throughout the distribution system; parts for repairing plumbing, pumps, the sodium hyperchlorite dispensing systems at 3 reservoir complexes. In the past this money was taken from the Transmission/Reservoirs account.	
7338- Water,Sewer,Irrigation Line Repair Parts	The purchase of small tools. In the past this money was taken from the Transmission/Reservoirs account.	4,000
7344- General Maintenance Supplies		2,000
7362- Small Items Of Equipment \$100 - \$5,000		2,000
7424- In-House Copying	SCADA records	500
7426- Outside Printing		300
7432- Publications, Subscriptions, and Dues	Certification updates	200
	Telephone/cell phone services and phone alarm systems. In the past this money was taken from the treatment plants and reservoirs accounts.	
7445- Telephone		4,000
7446- Other Utility	Trash service/Portapotty at new office	500
	Fees for repairs outside the city of greeley ie. Test equipment, instruments. Etc. In the past this money was taken from the treatment plants and reservoirs accounts.	
7461- Machine, Vehicle, Equipment		2,000
7466- Buildings	Bldg service and repair for new I&C office	500
7469- Other Repair Maintenance Services		2,000
	Registration fees for AWWA. Also for advanced electrical & instrumentation training. Required to attend class on new equipment installed at the treatment plants.	
7478- Registration		2,000

7496- Other Purchased Services - Blue Collar	Instructional advice received about the maintenance of new equipment installed at the treatment plants.	2,000
7631- Rent	Rental charges of misc. equipment on tools. In the past this money was taken from the Transmission/Reservoirs account.	500

Water Resources

GL Account *	Notes	2020
7111- Regular Employees		1,052,664
7112- Salaries & Wages - Seasonal	GIS support for water budget rates	35,000
7211- Disability		6,106
7212- Health		133,001
7213- Life		3,090
7214- Dental		4,543
7215- Workers Compensation		16,102
7221- General Employees		42,107
7227- 401K		20,211
7231- FICA		65,263
7234- Medicare		15,264
7314- Office Supplies & Materials		515
7328- Fleet Fuel	2019 cost 68 gallons of Unleaded at \$2.75/gal. 2020 cost 68 gallons of Unleaded at \$2.95/gal.	200
7329- Other Operating Supplies	Water quality bottles, batteries, tags, labels, etc..	1,000
7362- Small Items Of Equipment \$100 - \$5,000	Mostly computers and related equipment.	17,500
7432- Publications, Subscriptions, and Dues	Publications associated with water resources	1,200
7441- Electric	Power costs for farms purchased for water rights	55,000
7442- Water/Sewer/Stormwater	Water for WSSC farm homes owned by Greeley previously paid from CIP Water Aquisition Phase I	1,900
7445- Telephone	Cellular costs	6,703
7452- Legal	Legal cost associated with water rights defense and other water resources related projects.	325,000
7455- Architectural/Engineering	Projects related to protecting existing water supplies and evaluating new water supplies.	325,000
7472- Hotel & Motel		2,000
7475- Mileage		7,000
7477- Other Travel		1,240
7478- Registration	Training includes irrigationist symposium, CLE water administration, CSU conference irrigation water requirement, AWRA symposium, Water Congress annual meeting, South Platte Forum, water issues forum	10,100
7496- Other Purchased Services - Blue Collar	flow studies, environmental impact statement analysis, and water quality ditch sampling.	1,658
7697- Assessment Fees	Annual assessments for water rights such as Greeley Loveland Irrigation Company, Colorado Big Thompson Project, Windy Gap, Water Supply and Storage Company and others must be paid or water will not reach the water treatment plants.	2,920,000

Bellvue Filter Plant

GL Account *	Notes	2020
7111- Regular Employees		576,172
7112- Salaries & Wages - Seasonal	Two seasonals. Seasonals will be used to train and recruit new plant operators	62,400
7121- Overtime-Regular		10,000
7211- Disability		3,340
7212- Health		96,728
7213- Life		1,719
7214- Dental		3,304
7215- Workers Compensation	Seasonal Workers Comp	1,566
7215- Workers Compensation		12,385
7221- General Employees		23,047
7227- 401K		11,062
7231- FICA	Seasonal FICA	3,224
7231- FICA		35,723
7234- Medicare		8,352
7234- Medicare	Seasonal Medicare	754
7314- Office Supplies & Materials		1,200
7321- Medical/Chemical	alum, polymer feeds, flouride, CL2 NAOH, all same price /4% inflation	816,000
7325- Clothing And Uniforms		3,800
7328- Fleet Fuel	2019 cost 3050.83 gallons of Unleaded at \$2.75/gal. 2020 cost 3050.83 gallons of Unleaded at \$2.95/gal. 2019 cost 33.37 gallons of Diesel at \$3.06/gal. 2020 cost 33.37 gallons of Diesel at \$3.26/gal.	9,109
7329- Other Operating Supplies		2,050
7333- Machinery, Vehicle & Equipment Parts	Budgeted by Equipment Maintenance:	24,000
7338- Water,Sewer,Irrigation Line Repair Parts		1,000
7344- General Maintenance Supplies	rebuild cop kits in pulsafeeders and Vogelsang rebuilds	35,000
7346- Street & Traffic Repair and Maintenance Supplies	repaint parking area striping	250
7348- Plant Materials		250
7362- Small Items Of Equipment \$100 - \$5,000	pH probes, level transmitters and hand tools all at end of life	16,000
7411- Postage		100
7418- Advertising	2 adds in AWWA (\$250/each)	500
7424- In-House Copying		350
7426- Outside Printing		150
7432- Publications, Subscriptions, and Dues		600
7441- Electric	5% per year increase is industry standard	220,000
7444- Natural Gas	2% inflation	42,864
7445- Telephone	I phones for all staff. Two new aircards for Lucity software and Instrumentation tablet.	15,000
7446- Other Utility		2,500
7458- Other Professional Services - White collar	Timberline services for stratus servers, SCADA maintenance agreement cost increases (Stratus upgrade)	10,000
7462- Equipment Maintenance Charges	Budgeted by Equipment Maintenance:	10,630
7466- Buildings	Reflecting recent expenditure trends	3,500
7468- Streets, Roads, Traffic Lights		500
7469- Other Repair Maintenance Services	Increased security equipment costs and prox card system upgrades	15,000
7478- Registration	\$1000/employee training	9,000
7496- Other Purchased Services - Blue Collar	Sludge hauling costs-assuming Tier 1 withincreased residuals expected Increased cost frot Poudre coalition and outside lab testing	95,000
7631- Rent		3,000

High Mountain Reservoirs

GL Account *	Notes	2020
7111- Regular Employees		193,876
7112- Salaries & Wages - Seasonal	Increased to include Fire Mitigation Seasonal Crew for HMR tree removal in addition to regular HMR Seasonal Rate \$15/hr	16,550
7121- Overtime-Regular		5,208
7211- Disability		1,124
7212- Health		36,273
7213- Life		582
7214- Dental		1,239
7215- Workers Compensation		2,193
7221- General Employees		7,755
7227- 401K		3,723
7231- FICA		12,021
7234- Medicare		2,812
7314- Office Supplies & Materials		650
7321- Medical/Chemical		1,125
7325- Clothing And Uniforms		953
7328- Fleet Fuel	2019 cost 4970.03 gallons of Unleaded at \$2.75/gal. 2020 cost 4970.03 gallons of Unleaded at \$2.95/gal.	14,662
7329- Other Operating Supplies		2,783
7333- Machinery, Vehicle & Equipment Parts	HMR when capable repairs and maintains 3 pickups, 1 tandem dump truck, rubber tired loader, track dozer, snowmobiles, trailers, 4 wheelers, chainsaws, and other equipment and supplies. doing all oil changes basic repairs on all equipment. HMR division maintains 6 high moutnain reservoirs, 3 cabins and utilizes all supplies related to the care and maintenance of said structures.	15,186
7344- General Maintenance Supplies		16,959
7346- Street & Traffic Repair and Maintenance Supplies		338
7362- Small Items Of Equipment \$100 - \$5,000		1,000
7411- Postage		100
7426- Outside Printing		600
7432- Publications, Subscriptions, and Dues		300
7441- Electric	electrical costs for city owned cabins and houses increase to reflect actual charges	3,112
7445- Telephone	For commercial charges, cell phone charges and satellite phone charges.	8,560
7458- Other Professional Services - White collar	Charges for hmr telemetry on outlets, dams (piezometers), staff gauges.	7,878
7462- Equipment Maintenance Charges	Budgeted by Equipment Maintenance: vehicles and equipment	14,264
7466- Buildings	HMR has two mountain cabins and 1 caretakers house that are in constant need of upkeep and repair.	10,750
7631- Rent	Equipment rental of backhoes, trenchers, and other equipment to open and maintain Greeley's water rights.	8,290

Water Conservation

GL Account *	Notes	2020
7111- Regular Employees		161,282
7112- Salaries & Wages - Seasonal		42,850
7121- Overtime-Regular	Overtime for Conservation Coordinator, Marketing Technician for after hours events and meetings.	6,000
7211- Disability		935
7212- Health		36,273
7213- Life		491
7214- Dental		1,239
7215- Workers Compensation		1,167
7221- General Employees		6,451
7227- 401K		3,097
7231- FICA		10,000
7234- Medicare		2,339
7314- Office Supplies & Materials		3,500
7325- Clothing And Uniforms		900
7328- Fleet Fuel	2019 cost 630.97 gallons of Unleaded at \$2.75/gal. 2020 cost 630.97 gallons of Unleaded at \$2.95/gal.	1,861
7329- Other Operating Supplies		37,000
7333- Machinery, Vehicle & Equipment Parts	Budgeted by Equipment Maintenance:	150
7338- Water,Sewer,Irrigation Line Repair Parts		15,000
7344- General Maintenance Supplies		4,000
7346- Street & Traffic Repair and Maintenance Supplies		500
7348- Plant Materials		4,500
7362- Small Items Of Equipment \$100 - \$5,000		3,000
7411- Postage		2,000
7418- Advertising		2,000
7426- Outside Printing		10,000
7432- Publications, Subscriptions, and Dues		8,000
7445- Telephone		2,000
7446- Other Utility		200
7455- Architectural/Engineering		60,000
7458- Other Professional Services - White collar		4,000
7462- Equipment Maintenance Charges	Budgeted by Equipment Maintenance:	4,341
7465- Grounds		500
7475- Mileage		2,000
7477- Other Travel		100
7478- Registration		5,000
7496- Other Purchased Services - Blue Collar		3,500
7631- Rent		1,000
7693- Rebates		90,000
7811- Grants-Outside Public Agency		7,500

Boyd Lake Filter Plant

GL Account *	Notes	2020
7111- Regular Employees		558,813
7112- Salaries & Wages - Seasonal	3 seasonals	66,000
7121- Overtime-Regular	Occasional OT for plant maintenance	7,000
7211- Disability		3,239
7212- Health		96,728
7213- Life		1,671
7214- Dental		3,304
7215- Workers Compensation	Seasonal Workers Comp	1,656
7215- Workers Compensation		12,012
7221- General Employees		22,352
7227- 401K		10,729
7231- FICA	Seasonal FICA	3,410
7231- FICA		34,647
7234- Medicare		8,101
7234- Medicare	Seasonal Medicare	798
7314- Office Supplies & Materials		411
7321- Medical/Chemical	Added 3% for next 2 years	890,778
7325- Clothing And Uniforms		2,750
	2019 cost 3287.96 gallons of Unleaded at \$2.75/gal. 2020 cost 3287.96 gallons of Unleaded at \$2.95/gal. 2019 cost 998.99 gallons of Diesel at \$3.06/gal. 2020 cost 998.99 gallons of Diesel at \$3.26/gal.	
7328- Fleet Fuel		12,956
7329- Other Operating Supplies		2,000
	Machinery, vehicles and equipment parts (includes bearings and other repair parts for chemical feeders and instruments. small repair parts for city vehicle maintenance not performed in Greeley.)	
7333- Machinery, Vehicle & Equipment Parts		10,000
	General maintenance supplies includes pipe fittings, electrical parts, cleaners, paints, and other supplies used in maintaining the buildings and grounds. Small increase to catch up from backlog of needed supplies.	
7344- General Maintenance Supplies		22,000
	Replacement of ground maintenance equipment, sump pumps, power tools mobile pressure washer Weed sprayer that fits into back of gator.	
7362- Small Items Of Equipment \$100 - \$5,000		8,000
7424- In-House Copying	Includes Boyd copier rental	300
7432- Publications, Subscriptions, and Dues	Water treatment books and study/training material	500
7441- Electric	Budgeted amount reflects yearly trends	415,180
7442- Water/Sewer/Stormwater	Sewer service to the City of Loveland 3% increase	3,200
7445- Telephone	3 tablet cards 3 cell phones (1 additional cell phone)	4,000
7446- Other Utility		1,100
	Primarily SCADA (computerized control system) licensing costs. This account is used for pump, motor and valve rebuilding and other major repairs to plant machinery performed by outside vendors.	
7458- Other Professional Services - White collar		6,000
	Budgeted by Equipment Maintenance:	
7461- Machine, Vehicle, Equipment		5,000
7462- Equipment Maintenance Charges		11,641
7472- Hotel & Motel	Assuming 6 nights	600
7473- Meals	Approximately 14 days of per diem	600
7475- Mileage	Approximately 1350 total miles to be reimbursed	800

	3 persons to the 5 day "Boulder" operator's training @ \$500.00 each; 8 people @ \$700.00 each to attend short courses and seminars for updating skills and attaining CEU's needed for renewal of their operator certificates. send one person to the RMSAWWA annual conference. \$2000 (including travel, food and lodging).	7,100
7478- Registration		
7496- Other Purchased Services - Blue Collar	Sludge hauling costs-assuming Tier 1 sludge	134,168
7631- Rent		2,200

Water Quality

GL Account *	Notes	2020
7432- Publications, Subscriptions, and Dues		10,000
7455- Architectural/Engineering		317,200
7496- Other Purchased Services - Blue Collar		18,250



Sewer Operations

2020

Sewer Engineering

GL Account *	Notes	2020
7111- Regular Employees		304,694
7211- Disability		1,767
7212- Health		33,854
7213- Life		889
7214- Dental		1,157
7215- Workers Compensation		4,943
7221- General Employees		12,187
7227- 401K		5,850
7231- FICA		18,891
7234- Medicare		4,417
7314- Office Supplies & Materials		200
7329- Other Operating Supplies		200
7362- Small Items Of Equipment \$100 - \$5,000		1,500
7411- Postage		600
7418- Advertising		300
7426- Outside Printing		100
7432- Publications, Subscriptions, and Dues		20,500
7445- Telephone		900
7458- Other Professional Services - White collar		6,000
7478- Registration		1,500

Sewer Administration

GL Account *	Notes	2020
7111- Regular Employees		152,936
7211- Disability		886
7212- Health		15,718
7213- Life		446
7214- Dental		538
7215- Workers Compensation		168
7221- General Employees		6,117
7227- 401K		2,936
7231- FICA		9,482
7234- Medicare		2,218
7329- Other Operating Supplies		100
7411- Postage		230
7432- Publications, Subscriptions, and Dues		1,285
7445- Telephone		600
7458- Other Professional Services - White collar	Professional services related to rate model development and financial external audit	17,000
7473- Meals		90
7475- Mileage		900
7478- Registration	AWWA compliance refresher course (approx \$500), Rocky Mtn WW Assoc seminar (approx \$500), AWWA Rate course (\$500) Merchant Fees & bank charges on CC transactions @ \$6,660/MO, This has increased significantly due to increased online utility payments	1,500
7655- Bank/Investment Charges		80,000

Water Pollution Control Facility Administration

GL Account *	Notes	2020
7111- Regular Employees		342,482
7112- Salaries & Wages - Seasonal	Plant Intern(s)	15,000
7211- Disability		1,407
7212- Health		36,273
7213- Life		718
7214- Dental		1,239
7215- Workers Compensation	Seasonal Workers Comp	376
7215- Workers Compensation		3,728
7221- General Employees		9,699
7227- 401K		4,656
7231- FICA	Seasonal FICA	774
7231- FICA		15,034
7234- Medicare		3,516
7234- Medicare	Seasonal Medicare	181
7314- Office Supplies & Materials		1,920
7321- Medical/Chemical	UV germicide replacement bulbs for offices and meeting rooms; first aid kits.	200
7325- Clothing And Uniforms	20 uniformed employees @ \$225 allotment for jeans, shirts, jackets, sweatshirts, coveralls, labcoats, etc. Increased budget due to underbudgeting in 2018 and higher clothing costs. 2019 cost 154.36 gallons of Unleaded at \$2.75/gal. 2020 cost 154.36 gallons of Unleaded at \$2.95/gal.	4,725
7328- Fleet Fuel		455
7329- Other Operating Supplies	Small batteries, brushes, name tags, rubber stamps, calculators, annual planners and calendars, flash drives, food items for necessary meetings, employee recognition awards. Underbudgeted in 2018. Increased costs also due to an anticipated increase in employee retirement celebrations.	1,500
7344- General Maintenance Supplies	Miscellaneous supplies for admin. staff.	150
7362- Small Items Of Equipment \$100 - \$5,000	2019: Weather station sensor replacement, 2 office 24" monitors; weather station's misc. components; 1 new office chair. 2020: weather station sensor replacement, weather station's misc. components; two new office chairs. Each year, one replacement computer, \$900.	2,300
7411- Postage	For certified letters to state, EPA, customers.	50
7418- Advertising	Advertising for new employees. Legal ads & notices.	400
7424- In-House Copying	Canon ID #404-a copy machine annual costs.	3,200
7426- Outside Printing	Award nomination packages' printing costs/materials; misc. admin. printing costs.	350
7432- Publications, Subscriptions, and Dues	WEF dues for 2 employees, Water Research Foundation (WRF) annual dues, Colorado Wastewater Utility Council (WWUC) annual dues, Colorado Monitoring Framework (CMF) annual dues, National Registry of Environmental Professionals (NREP) annual dues. 2019 & 2020-each year one operator certification renewal. New replacement pamphlets, DVD's, brochures, display boards, etc. for public education & outreach program for each year.	13,785
7445- Telephone	Monthly phone service for plant and cell phone monthly charges for the plant superintendent. Budget include cell phone upgrades when eligible and phone accessories	3,350

7452- Legal	Provide outside assistance on regulatory matters when in-house counsel is needed and unavailable.	2,500
7458- Other Professional Services - White collar	Outside services to assist with employee refresher training requirements for stormwater/spill prevention, and for troubleshooting emergency situations when in-house City staff is unable to resolve a problem. TMMI annual software maintenance agreement for plant-wide SCADA computer system, Specter Instruments 911 alarm paging system software maintenance; Allen-Bradley (Rexel) software maintenance agreement, HACH WIMS annual software maintenance agreement with one additional license each year. Increase is due to need for Hach software maintenance agreement and additional clients (licenses) for the WIMS database.	21,500
7462- Equipment Maintenance Charges	Budgeted by Equipment Maintenance:	887
7466- Buildings	Costs for general maintenance of Admin bldg. such as carpet cleaning.	500
7469- Other Repair Maintenance Services	Vacuum and misc. office equipment repairs.	650
7472- Hotel & Motel	Water Environment Federation Technical Conference (WEFTEC) in Chicago (2019), New Orleans (2020) for Plant Supt. & Process Analyst for 4 days. RMSAWWA/RMWEA Annual Conference (2019) at Keystone, CO. Equipment site visits.	2,550
7473- Meals	GSA per diem x 3 days @ RMWEA/RMSAWWA 2019 Annual Conference at Keystone, CO; WEFTEC 2019 Chicago, IL and WEFTEC 2020 New Orleans, LA respectively	512
7474- Air Travel	Roundtrip airfare to WEFTEC 2019 Chicago, IL, and WEFTEC 2020 New Orleans, LA. Misc. air travel for equipment/process site visits per Master Plan recommendations.	1,620
7475- Mileage	Mileage to attend RMWEA/RMSAWWA Annual Conferences and biosolids conferences. Travel to and from Denver (for airport parking) for WEFTEC Conferences. Annual Denver seminars.	553
7477- Other Travel	2019-2020: Roundtrip shuttle fees when attending WEFTEC 2019 in Chicago, IL, and New Orleans in 2020. Parking fee (2 vehicles) at DIA when attending both WEFTEC Conferences. Taxi fees at conferences. Parking fees for science fair judges at annual Colorado Science & Engineering Fair (CSEF) at CSU. Underbudgeted in 2018.	270
7478- Registration	2019: For Supt. and Process Analyst-Professional Wastewater Operator's (PWO) classes; RMWEA Annual Conference, Loveland, CO; WEFTEC Conference, Chicago, IL; RMWEA Denver, CO Biosolids Conference; Three classes for Admin.Specialist. 2020: Professional Wastewater Operator's (PWO) classes; RMWEA Annual Conference, Denver, CO; RMWEA Denver, CO Biosolids Conference; WEFTEC Conference, New Orleans, LA. Three classes for Admin.Specialist. Increase is due to some higher conference fees.	3,260

7496- Other Purchased Services - Blue Collar	<p>2019- 2020: Colorado Discharge Permit System (CDPS) anticipated new annual permit fee \$28,000; Colorado stormwater discharge annual permit fee \$200; state certified truck scale annual fee \$300; Colorado Dept. of Public Health & Environment (CDPHE) air permit annual fee \$750; CDPHE air pollution emission notification update fees for WPCF \$500; UPS mail service charges \$100. Increase in budget is due to higher CDPS and CDPHE air permit fees. The CDPHE annual biosolids fee, \$4,000, is being added to the budget since the new contract with biosolids hauler requires the City to pay the annual fee directly to CDPHE.</p>	33,850
7811- Grants-Outside Public Agency	<p>Funds to support relevant research efforts that are of benefit to the plant (e.g., Colorado Monitoring Framework (CMF) (Nutrients); Colorado School of Mines (Demon Process).</p>	4,000

Water Pollution Control Facility Laboratory

GL Account *	Notes	2020
7111- Regular Employees		223,201
7211- Disability		1,295
7212- Health		36,273
7213- Life		663
7214- Dental		1,239
7215- Workers Compensation		4,218
7221- General Employees		8,928
7227- 401K		4,285
7231- FICA		13,839
7234- Medicare		3,236
7314- Office Supplies & Materials	Pens, pencils, folders, binders, labels, clipboards, etc. for lab.	250
	The increase is due to underbudgeting in 2018, and a new anticipated CDPS plant discharge permit which requires more water quality analyses being performed, adding \$3,560 for additional reagents, EPA(QA/QC) standards, analytical glassware, sample bottles and jugs. Other items in the budget include: DO & pH probes, thermometers, filters and filtering equip, poly and nitrile gloves, river sampling supplies, e.coli and fecal coliform supplies, laboratory chemicals, reagents, indicators, ph buffers, supplies and storage solution, Hach reagents and equipment.	
7321- Medical/Chemical	Waders for river work, work gloves, clean metals sampling suits, safety glasses.	16,000
7325- Clothing And Uniforms	Batterries, calendars & refills, items under \$100.	800
7329- Other Operating Supplies	Testing and parts for lab equipment.	260
7333- Machinery, Vehicle & Equipment Parts		600
7344- General Maintenance Supplies	Cleaning and routine maintenance supplies for the lab.	550
	The increase is due to a new anticipated CDPS plant discharge permit requiring more water quality analyses. Laboratory and field instruments, LBOD probe, computer software upgrades, lab chair, river monitoring equipment, digital buret, research pipettes, E.coli Quanti-Tray sealer, laboratory probes, sample refridgerator, BOD incubator, analytical balance. Each year, one new computer w/dual montiors, \$1,400.	
7362- Small Items Of Equipment \$100 - \$5,000		11,400
7411- Postage	Postage for lab mailings.	20
7426- Outside Printing	Business cards for lab staff.	135
	Standard methods, lab manuals, professional publications & newsletters, membership fees for professional organizations, analysts and operator's license renewals.	
7432- Publications, Subscriptions, and Dues		732
	Expense for professional data processing instructions and services via an IGA with the State of Colorado Division of Water Resources satellite-linked river gauge monitoring system.	
7458- Other Professional Services - White collar		4,400
	Analytical balance calibrations, repair and maintenance of laboratory equipment, sample refridgerator, incubators, ovens, autoclaves, centrifuges.	
7461- Machine, Vehicle, Equipment		1,600

7472- Hotel & Motel	Lab personnel to acquire needed certification training units via the Rocky Mtn. Water Quality Analysts Association (RMWQAA) conference and Rocky Mtn. Water Environment Association (RMWEA) conference.	500
7473- Meals	Lab personnel to acquire needed certification training units via the Rocky Mtn. Water Quality Analysts Association (RMWQAA) conference and Rocky Mtn. Water Environment Association (RMWEA) conference.	250
7475- Mileage	Mileage for training, classes and meetings. For meetings on nutrient modeling for new regulations. RMWQAA conference, workshops and meetings. Colorado Monitoring Framework (CMF) Workshop and meetings in the Denver area. Lab personnel to attend analytical and regulatory classes through the RMWQAA and RMWEA Lab Practices program.	400
7477- Other Travel	Parking fees when judging state science fair at CSU.	20
7478- Registration	Registration to attend the Rocky Mtn. Water Environment Association (RMWEA) conference and RMWEA biosolids conference . Registration for lab personnel to attend the RMWQAA conference. Lab personnel to attend analytical and regulatory classes through the RMWQAA and RMWEA Lab Practices program. Underbudgeted in 2018.	1,400
7496- Other Purchased Services - Blue Collar	The increase is due to a new anticipated CDPS plant discharge permit which will require more water quality analyses. There will also be an increase in sites for river monitoring to perform fish and benthic studies. Biomonitoring (extra funds must always be available if sample failure occur; must then perform required TIE & TRE studies). Funding for any plant unscheduled emergency sampling and project analyses. River monitoring: nutrients, metals, benthic study, fish study and Reg #85 analyses. Higher costs for field QA/QC by the Lower Poudre River Monitoring Alliance. Clean metals mercury analysis quarterly. Effluent metals analyses. Hazardous air pollutants (HAP's), digester gas analyses. QA/QC splits w/contract labs. Biosolids metals and nutrient analyses plus Biosolids dioxins scan & radioactivity tests. Deionized water testing.	49,280
7631- Rent	Deionized water purification system for plant's main laboratory	2,500

Water Pollution Control Facility Maintenance

GL Account *	Notes	2020
7111- Regular Employees		357,634
7121- Overtime-Regular	Budget is to help offset employee comp time accruals and upcoming maintenance mechanic retirements.	4,500
7211- Disability		2,075
7212- Health		54,411
7213- Life		1,060
7214- Dental		1,859
7215- Workers Compensation		7,787
7221- General Employees		14,305
7227- 401K		6,867
7231- FICA		22,175
7234- Medicare		5,185
7314- Office Supplies & Materials	Office supplies for maintenance staff. Pendulum concentrate ground kill. Roundup weed kill 5 gal. Insecticide. Odor chemical Struvite (ammonium magnesium phosphate) control chemical. Cleaning gas (HCl) for aeration basin diffusers(includes hazardous shipping). Lawn fertilizer. Media for biogas scrubber every other yr (2018; 2020). Increase in 2020 is due to purchase of media for the new larger gas scrubber.	250
7321- Medical/Chemical	Arc flash safety items for both 2019 and 2020. Safety boots. Safety glasses. Rubber boots/rain gear. Work gloves/20 pairs; hearing protection.	57,990
7325- Clothing And Uniforms	2019 cost 2071.4 gallons of Unleaded at \$2.75/gal. 2020 cost 2071.4 gallons of Unleaded at \$2.95/gal. 2019 cost 1501.14 gallons of Diesel at \$3.06/gal. 2020 cost 1501.14 gallons of Diesel at \$3.26/gal.	3,520
7328- Fleet Fuel		11,005
7329- Other Operating Supplies	Misc batteries for plant use. Batteries for SCADA UPS systems, change 3 units per year. Golf cart batteries, backup generators, 2 batteries each x one generator per year. Increase due to golf cart and generator batteries.	3,150
7333- Machinery, Vehicle & Equipment Parts	Digester recirc pumps - 6 units. Return activated sludge pumps 4 units. Effluent flood pumps 3 units,. Trash pumps 2 units. 12" diesel backup trash pump 1 unit. Centrifuge overhaul one unit each year, centrifuge gearbox. Heat loop pumps 4 units, New centrate treatment system which includes lift station 2 pumps, 5 mixers, 2 blowers, 3 transfer pumps, golf cart parts, 4 units. Grit turbo pumps 2 units, 1 overhaul/yr. Various heating/cooling valves; boards for 9 HVAC units. Waste gas flare ignitor/starter. New polymer feed systems 3 units. Digester biogas equipment parts. Pump packing. Headworks and digester gas monitors - 3 sensors/yr. Yard hydrant caps, seals, brass fittings. Dewatering sludge pump parts. Biogas booster pumps - 2 units. Band saw & table saw blades and bits. Emergency backup power generators - 3 units. Greases, oils for equipment. Replace electrical wire in aging conduit runs. Dewatering boiler gaskets yearly cleaning. Catch basin screens for stormwater regulations.	66,570
7338- Water,Sewer,Irrigation Line Repair Parts	Sprinkler heads 50 ea. Pipe; miscellaneous pipe.	1,850

7344- General Maintenance Supplies	Bottled gases for cutting torches/brazing. Welding rods/supplies. Maint. Tools. Concrete supplies. Metal pipe, fittings, hardware, steel plate. Lumber for plant projects. PVC pipe and fittings. Paper produces for bathrooms and offices. Paint and supplies. Light bulbs/ballasts. Valves, pressure gauges. Electrical: breakers, contactors, fuses. Programmable controller cards for plant racks. HVAC filters for air handlers. Air filters for 3 Turbo blowers 15 ea x 3 blowers. Floormats for all buildings. New signage for plant. Underbudgeted in 2018.	58,160
7348- Plant Materials	Mulch, tree and plant replacements, rock for plant grounds	8,000
7362- Small Items Of Equipment \$100 - \$5,000	Replace flow/level meters – 6 ea/yr. New office furniture. New dataports for paperless computerized maintenance management software. Each year, one new computer w/dual monitors, \$1,400.	21,900
7411- Postage	Postage for mailings.	150
7418- Advertising	Advertising for new maintenance personnel.	200
7432- Publications, Subscriptions, and Dues	Safety handbooks and correspondence course materials. Maintenance/operations correspondance courses. WEF membership yearly dues. Two certifications renewals.	1,445
7445- Telephone	One cell phone for maintenance mechanic plus one for supervisor, including upgrades and accessories. Underbudgeted in 2018.	1,250
7446- Other Utility	Plant trash disposal, nine dumpsters picked up five times/week, two specialized dumpsters for oily waste, picked up as needed. Increase due to changing amount of trash pickups to 5 times/week.	4,500
7458- Other Professional Services - White collar	Programmable logic controller (PLC) programming. Testing and certification of plant breakers, medium voltage switches, power metering modules, six areas. Funds added to remove and dispose of the old media from gas scrubber unit in 2019.	6,600
7461- Machine, Vehicle, Equipment	Turf mower repairs. Machine shop repairs. Motor rewinds, crane and hoist repairs. Flow and level meter calibration. Variable speed drives repairs. Generator PM 3 units. Fire extinguisher PM.	29,800
7462- Equipment Maintenance Charges	Budgeted by Equipment Maintenance:	5,628
7465- Grounds	Misc. landscaping services (e.g. tree removal near river) (2019). Roto-rooter service for plant drains. Increase is due to adding an annual tree & building insect traps and spray service.	2,700
7466- Buildings	Boiler inspections. CDS-1 annual inspection of 2 boilers. HVAC tech services. Outside contracted cleaning services for buildings annually. Increase is due to the last item which has been budgeted in operations and now moved to maintenance. Plant road maintenance. Crack sealing, seal coating, chip seal. Increase in 2019 is due to significant repairs to South Plant road after construction project. Outside service for outdoor light pole repairs.	10,600
7468- Streets, Roads, Traffic Lights		6,500

	In 2019 & 2020, Vogelsang pump service school or related maintenance training for one new employee, and hotel for two employees to attend the RMWEA/2019 RMSAWWA Annual Conference in Keystone, CO. Both years, WEFTEC. Equipment site visits. Increase is due to not budgeting for WEFTEC in the past, equipment site visits, and sending more than one employee to the RMWEA/RMSAWWA Annual Conference.	
7472- Hotel & Motel		3,100
7473- Meals	2019: RMWEA/RMSAWWA Annual Conference (Keystone, CO). 2020 RMWEA Annual Conference (Loveland, CO). Both years, service school. 2019 WEFTEC (Chicago). 2020. WEFTEC (New Orleans).	567
7474- Air Travel	Airfare to maintenance pump service school, 1 employee. WEFTEC airfare. Misc. airfare for equipment site visits per Master Plan recommendations.	1,620
7475- Mileage	Reimbursement for driving to and from conference in Keystone, CO @ 124 miles each way. Misc. expenses for mileage reimbursement in 2019 & 2020.	232
7477- Other Travel	Shuttle, taxis when attending WEFTEC.	75
7478- Registration	2019 & 2020: registration for pump service school, various seminars in the local area required for training units. 2019 RMWEA/RMSAWWA Annual Conference (Keystone, CO) for two employee. Both years, registration for electrical safety training for OSHA qualified worker. 2020: Two full registrations for RMWEA Annual Conference (Loveland, CO); three employee one-day registrations. Increase is due to sending more mechanics to the 2020 RMWEA/RMSAWWA Annual Conference.	2,395
7496- Other Purchased Services - Blue Collar	Underground storage tank testing, annual truck scale certification, oil testing 20 tests, backflow preventer testing 11 units, upgrades to backflow prevention devices to meet new regulatory requirements (2019); US mailing service, wastewater certification testing, boiler water treatment, annual crane and hoist inspections. Various instrumentation service/repair/calibration. Underbudgeted in 2018.	11,915
7631- Rent	Rental of pumps, scaffolding, lifts, centrate reactor warming equipment; other emergency equipment. Gasoline storage tank lease for plant use.	7,000

Water Pollution Control Facility Operations

GL Account *	Notes	2020
7111- Regular Employees	Occasional overtime pay to help offset comp time accruals. Requesting additional funds due to wage increases and several pending employee retirements.	601,055
7121- Overtime-Regular		6,000
7211- Disability		3,484
7212- Health		108,819
7213- Life		1,802
7214- Dental		3,717
7215- Workers Compensation		11,361
7221- General Employees		24,041
7227- 401K		11,540
7231- FICA		37,266
7234- Medicare		8,713
7314- Office Supplies & Materials	Pens, pencils, binders, folders, etc. for operations.	500
7321- Medical/Chemical	Polymer for 2018 dewatering and the new PW Tech volute thickeners. pH buffer, sulfuric acid, reagents, Sampler pump tubing peristaltic, intake tubing, disinfection backup chemicals chlorine, sulfur dioxide, soda ash, caustic soda beads, bioaugmentation novozymes bioremove 5805, polymer cleaner, H2S gas measurement tubes, microscope stains, sodium bicarbonate for alkalinity, Ferric chloride. defoamer for dry polymer, lab glassware, pipettes, micronutrients for anammox treatment process. PAX chemical addition for filament control. Hach bench testing process control lab supplies for the DEMON process.	518,899
7325- Clothing And Uniforms	Steel toe boots, prescription safety glasses, work gloves, ear plugs, rubber boots, rain gear, safety glasses (non-prescription).	3,350
7328- Fleet Fuel	2019 cost 413.03 gallons of Unleaded at \$2.75/gal. 2020 cost 413.03 gallons of Unleaded at \$2.95/gal.	1,218
7329- Other Operating Supplies	Batteries, keys, flow chart recorder paper and pens, sludge coretakers, latex gloves 10 cases. Underbudgeted in 2018.	3,000
7333- Machinery, Vehicle & Equipment Parts	Parts for operations vehicles, samplers, and lab equip., vehicle tires.	1,200
7344- General Maintenance Supplies	Cleaning supplies for dewatering and operations annex buildings.	1,350
7362- Small Items Of Equipment \$100 - \$5,000	Flow cell for UVT meter, operations probes/electrolyte for field meter, replace AB1 DO meter, replace bench pH meter probe, probe failures & replacements. Replace bench DO/OUR meter probe. Replace Demon online pH,DO, conductivity probes. Larger monitors for DWB operations office & Annex. Workstation printer for operations office. Annex SCADA & workstation computers. Replace final effluent sampler unit. Increase is due to needed items as indicated above.	22,150
7418- Advertising	New employee job advertisements. Expected to increase with retirements pending.	400
7424- In-House Copying	In-house copying	170
7426- Outside Printing	Business cards for staff. Signs for plant sponsored RMWEA Greeley seminar.	400

7432- Publications, Subscriptions, and Dues	Reference books for operations, Water Enviro. Federation (WEF) membership for operations supervisor and senior plant operator A, Rocky Mountain Water Environment Association (RMWEA) memberships for 5 operators.	1,510
7441- Electric	Adding a 5% increase per year. WPCF withdrew from Xcel Energy's ISOC program on Feb. 1, 2018 which is projected to increase plant's electrical costs by \$50K even with the recently installed energy-saving volute sludge thickeners. Also, a third primary digester has been added to operations. Providing heat to this digester will increase energy costs.	567,920
7444- Natural Gas	Anticipated 5% increase per year. New two larger boilers have recently been installed. It is difficult to predict annual natural gas usage for the next two years.	59,535
7445- Telephone	Cell phone use for operations staff, 5 phones. Additional funding is being requested for replacement/upgrades/accessories.	4,000
7461- Machine, Vehicle, Equipment	Service on John Deere gator vehicle by Three Rivers Equipment. Wastewater sampler service, operations lab balance service, truck scale repair, alarm pager/city radio repair, annual microscope service.	1,700
7462- Equipment Maintenance Charges	Budgeted by Equipment Maintenance:	1,185
7466- Buildings	Outside professional services for Dewatering & Operations Annex buildings. This budget has been moved to the maintenance budget.	-
7472- Hotel & Motel	Leadville plant operator school lodging. For Operations Supervisor, WEFTEC Chicago (2019), WEFTEC New Orleans(2020). 2019 Keystone, CO JAC. Requesting additional funds for anticipated Master Plan recommended equipment site visits in both 2019 and 2020.	2,500
7473- Meals	2019 & 2020: Leadville operator school, Denver area activated sludge troubleshooting 3 days, Denver area biological nutrient removal, RMWEA/RMSAWWA annual conference (Keystone, CO). 2020--RMWEA/RMSAWWA annual conference (Loveland, CO). For Operations Supervisor, WEFTEC 2019 & 2020 Chicago, IL & New Orleans, LA respectively. Increase is due to sending more staff members to the Joint Annual Conference.	948
7474- Air Travel	For Operations Supervisor, roundtrip airfare to WEFTEC 2020 Chicago, IL, and WEFTEC 2019 New Orleans, LA. For 2019 & 2020, 2-3 anticipated equipment site visits per recommendations from Master Plan. Increase is due to expected additional air travel requirements.	1,160

7475- Mileage	Roundtrip mileage @ \$0.55/mile. In 2019 & 2020, Leadville operator school 234 miles, activated sludge troubleshooting Denver area 130 miles; biological nutrient removal Denver area 130 miles-RMWEA/RMSAWWA annual conference Keystone, CO (2019) Loveland, CO (2020). Additional funding of seminar and site visits is requested. Budget fluctuates depending on conference venues and availability of City vehicles.	827
7477- Other Travel	Airport parking fees. Car rental for equipment site visits. Shuttles and taxis when attending WEFTEC.	471
7478- Registration	2019: Rocky Mtn. Water Environment Association (RMWEA) operator training-Feb, Denver, March-Golden, May-Denver Metro, June, PWO seminar, Greeley, June-activated sludge troubleshooting, Denver area, July-Leadville, RMWEA/RMSAWWA annual conference (Keystone, CO) September; WEFTEC (Chicago) for Operations Supervisor, October-Estes Park, November, biosolids annual conference (Ft. Collins). 2020: Rocky Mtn. Water Environment Association (RMWEA) operator training-Feb, Denver, March-Golden, May-Denver Metro, June-activated sludge troubleshooting, Denver area, June, PWO seminar, Greeley, July--Leadville conference, RMWEA/RMSAWWA annual conference (Loveland, CO), September, WEFTEC (New Orleans) for Operations Supervisor, October-Estes Park, Nov-annual biosolids conference in (Ft. Collins), 2. Both years, reimbursement for state operator certification exam. Increased budgets for new employees resulting from several expected retirements.	4,545
7496- Other Purchased Services - Blue Collar	A 5%/yr increase in costs for 2019 & 2020. Microscopic evaluations by Dr. Michael Richard 4x/year. UPS/FEDEX shipping charges. WW Operator license renewal for 4 operators.	194,958
7631- Rent	Gas Detector Rental Agreement. Underbudgeted in 2018.	3,000

Industrial Pretreatment

GL Account *	Notes	2020
7111- Regular Employees		217,086
7211- Disability		1,255
7212- Health		36,273
7213- Life		644
7214- Dental		1,239
7215- Workers Compensation		4,086
7221- General Employees		8,648
7227- 401K		4,151
7231- FICA		13,406
7234- Medicare		3,135
7314- Office Supplies & Materials	Supplies such as pens, paper file folders, office desk items, paper.	450
7321- Medical/Chemical	pH buffer solutions, Hach test reagents. Misc. chemical cleaners and acids; supplies for cleaning the pretreatment lab.	1,025
7325- Clothing And Uniforms	One pair glasses; safety boots & vests for two industrial pretreatment technicians; work gloves; protective coveralls are needed because of working in and around city manholes with pretreatment sampling equipment and for low level mercury sampling. Underbudgeted in 2018.	1,000
7328- Fleet Fuel	2019 cost 147.99 gallons of Unleaded at \$2.75/gal. 2020 cost 147.99 gallons of Unleaded at \$2.95/gal.	437
7329- Other Operating Supplies	Batteries, printer cartridges, field instruments, ISCO (the manufacturer of the automatic composite sampler) supplies, jugs, tubing, glassware, award certificates for commercial and industrial users, miscellaneous pretreatment operating supplies; filter replacements for the cleaning room and acid filters. Added a 5% increase in costs/year.	2,200
7333- Machinery, Vehicle & Equipment Parts	Various equipment parts for sampling and lab workstation in the industrial pretreatment vehicle.	330
7344- General Maintenance Supplies	Small tools, equipment and supplies for field repairs and sampling set-up.	400
7362- Small Items Of Equipment \$100 - \$5,000	2019 and 2020: misc. items for the pretreatment program. Each year, one new computer w/dual monitors, \$1,400.	2,400
7411- Postage	Classification mailings; Best Management Practices program mailings; misc. notices and orders.	500
7418- Advertising	Significant noncompliant public notices and industrial user permit public notices. Annual fee for Public Service Announcements (PSA's) on Pharmaceuticals, and Personal Care Products (PPCP's).	6,250
7424- In-House Copying		700
7426- Outside Printing	Duplication of manuals, information pamphlets, printing of Best Management Practices participant window stickers.	300
7432- Publications, Subscriptions, and Dues	Pretreatment reference materials, CIPCA Pretreatment membership dues; Rocky Mtn. Water Environment Association's dues; operator certification renewal fees, Consortium for Research & Education on Emerging Contaminants (CREEC) annual membership fees.	600

7445- Telephone	Cell phone charges (including upgrade costs) for the pretreatment staff.	950
7458- Other Professional Services - White collar	Service contract for Linko industrial pretreatment program software. A 3rd license added in 2019 for. Service contract for Portalogic software (waste hauler's dump station controller).	6,050
7462- Equipment Maintenance Charges	Budgeted by Equipment Maintenance:	678
7469- Other Repair Maintenance Services	Outside repair of industrial pretreatment sampling equipment or instrumentation.	1,000
7472- Hotel & Motel	Budget is for two employees to attend the National Association of Clean Water Agencies (NACWA) Pretreatment & Pollution Prevention Workshop, or EPA Region 8 Pretreatment Workshop.	1,840
7473- Meals	Per Diem while attending workshop.	520
7474- Air Travel	Annual NACWA national (or EPA Regional) pretreatment workshop for two employees. Roundtrip airfare.	900
7475- Mileage	Anticipated costs to attend the Colorado Industrial Pretreatment Coordinator's Association (CIPCA) meetings. Fees for airport parking, shuttles, taxis; rental cars.	400
7477- Other Travel	Underbudgeted in 2018.	600
7478- Registration	Annual Colorado Industrial Pretreatment Coordinators Association (CIPCA) Fall conference; annual Rocky Mtn. Water Envir. Assoc. (RMWEA) PWO operator's certification training; annual NACWA pretreatment workshop.	2,010
7496- Other Purchased Services - Blue Collar	Permit required compliance monitoring of Significant Industrial users (SIU's); CDPS permit required monitoring of WPCF influent and effluent, and local limits monitoring. Confined space gas detector lease; deionized water filter system lease for pretreatment clean room lab.	11,830
7631- Rent	Underbudgeted in 2018.	3,000
7811- Grants-Outside Public Agency	Funds distributed by the City to the Poudre Learning Center to assist them with the procurement of needed water testing supplies for the students.	2,500

Wastewater Collection

GL Account *	Notes	2020
7111- Regular Employees		617,437
7121- Overtime-Regular	Overtime for On-call, after hours emergency repairs, and in-house construction projects	24,680
7211- Disability		3,580
7212- Health		139,045
7213- Life		1,881
7214- Dental		4,749
7215- Workers Compensation		16,458
7221- General Employees		24,696
7227- 401K		11,857
7231- FICA		38,280
7234- Medicare		8,955
7314- Office Supplies & Materials		2,781
7321- Medical/Chemical	Chemicals to treat lift stations and general shop maintenance	43,747
7325- Clothing And Uniforms	Uniforms and safety equipment for 11 employees	7,600
	2019 cost 3010.87 gallons of Unleaded at \$2.75/gal. 2020 cost 3010.87 gallons of Unleaded at \$2.95/gal. 2019 cost 8919.61 gallons of Diesel at \$3.06/gal. 2020 cost 8919.61 gallons of Diesel at \$3.26/gal.	
7328- Fleet Fuel		37,960
7329- Other Operating Supplies	Propane and batteries for radios, flash lights, locators, pagers, cell phones and gas monitors.	2,748
7333- Machinery, Vehicle & Equipment Parts	Parts for the repairs of equipment at 10 lift station, and 24 pieces of various equipment	34,508
7338- Water,Sewer,Irrigation Line Repair Parts	Parts and components used in the repair of sewer mains. Supplies used to maintain 10 lift station, shop, and the WWC system. Electrical parts, locating paint, janitorial supplies and hand tools.	9,870
7344- General Maintenance Supplies	Supplies used in the repairs made to the system, flow fill, sand, rock concrete, and cold mix.	13,537
7346- Street & Traffic Repair and Maintenance Supplies		2,189
7348- Plant Materials		170
7362- Small Items Of Equipment \$100 - \$5,000	Confined space equipment, chop saws, specialized manhole lifting equipment	12,143
7411- Postage		25
7418- Advertising		295
7424- In-House Copying		355
7426- Outside Printing		305
7432- Publications, Subscriptions, and Dues		510
7441- Electric	Electrical cost for operating 10 lift stations and the shop Used for lift station emergency generator backup and heating the maintenance shop	52,257
7444- Natural Gas		7,794
7445- Telephone	Cell phone service and laptop data plans	5,939
7446- Other Utility		490
7458- Other Professional Services - White collar		1,600
7461- Machine, Vehicle, Equipment	Outside contractor repairs on vehicles and pumps Budgeted by Equipment Maintenance: 2yr avg, vehicles and equipment	14,000
7462- Equipment Maintenance Charges		49,750
7465- Grounds		3,320
7466- Buildings	Annual maintenance for hvac system and misc repairs and roof repairs	2,516
7468- Streets, Roads, Traffic Lights	Asphalt patching	3,200
7469- Other Repair Maintenance Services		615
7473- Meals		285
7478- Registration	Training for operator certification testing and renewals	10,650
7496- Other Purchased Services - Blue Collar	Share of call tickets at 1.45 per request	9,765

7631- Rent

Gas monitor lease and chemical application equipment at lift
stations

25,700





Water & Sewer 2020 Operating Budget and 5 Year CIP

July 17, 2019

Overview

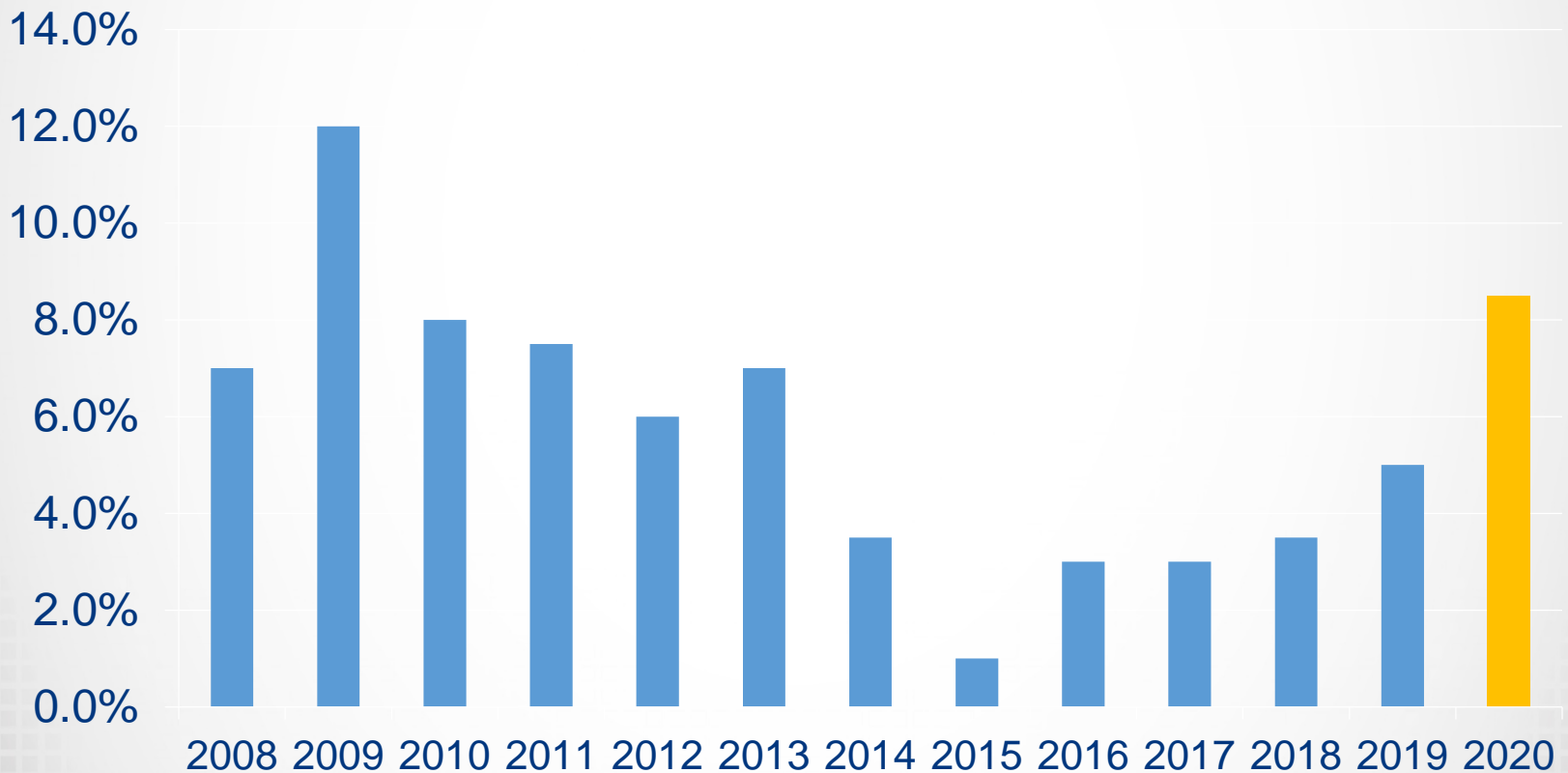
- Rates/Revenue
 - Model assumptions
 - Rate changes
- Operating
 - Supplemental requests
- Capital
 - Review program drivers
 - New projects

2020 Model Information

- Growth rate from Community Development projections
- Single family water use = 124,000 gallons/year
 - Unchanged from 2019 model

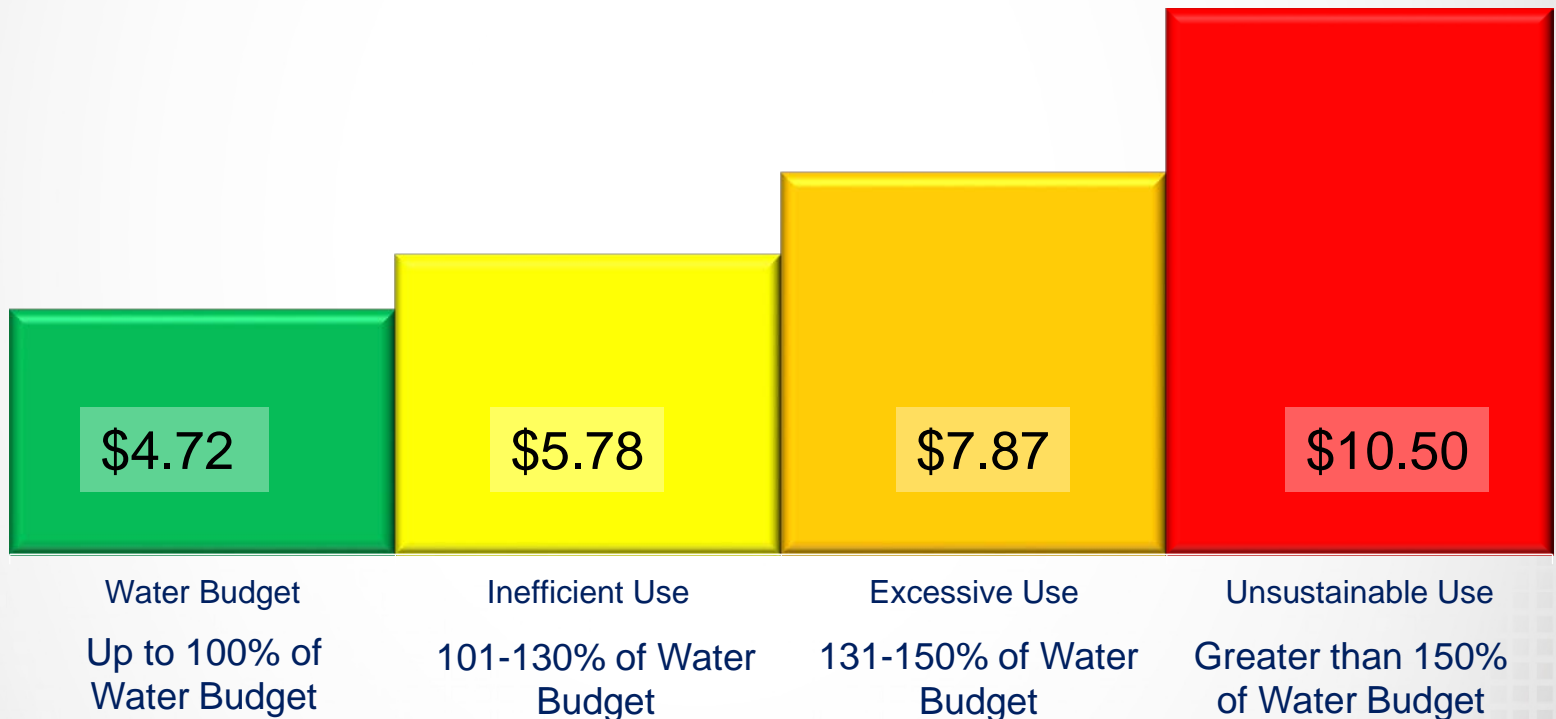
Water Fund

History of Water Rate Changes



Residential Water Budget Rate Structure

Rate Structure for Greeley SFR customers in 2020

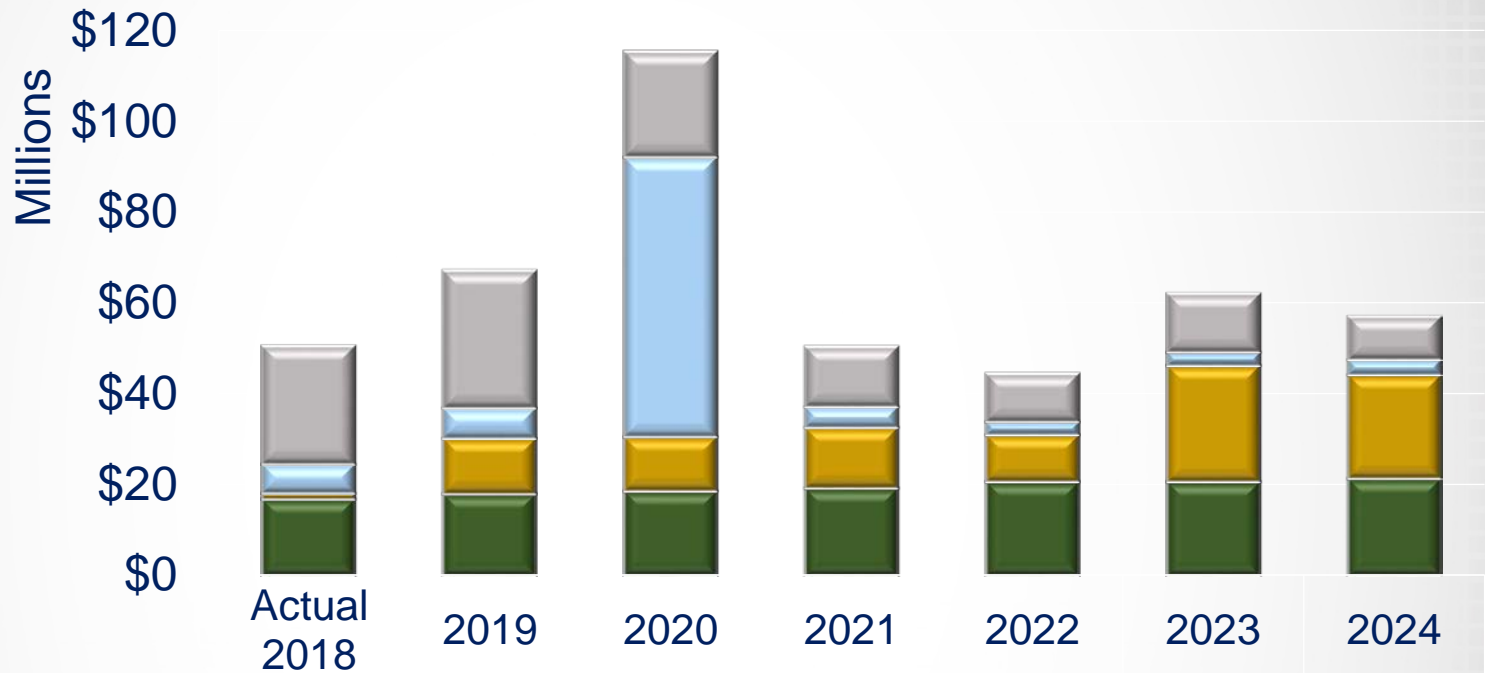


- Uniform rate is \$5.02 for customers not on water budget
- Monthly service charge – \$14.35

Proposed Water Rate Changes

Customer Class	% Rate Increase	Rates
Inside Residential	8.5%	Varies
Inside Commercial	8.5%	\$4.84
Inside Industrial	10.0%	\$3.53
Outside Residential	8.5%	\$11.88
Outside Commercial	8.5%	\$11.78
Outside Industrial	4.5%	\$3.53
City of Evans	8.5%	\$4.30
Town of Windsor	7.0%	\$4.45
Town of Milliken	16.0%	\$5.87

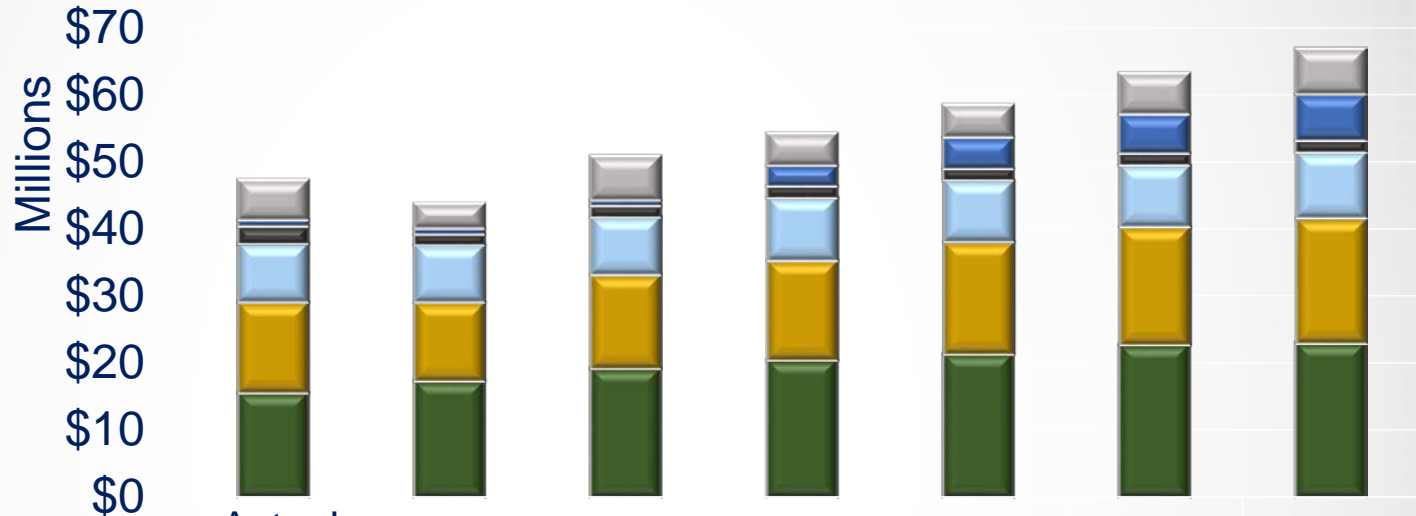
Water Expenditure Projections*



Replacement	\$26.0	\$30.3	\$23.4	\$13.2	\$10.7	\$13.0	\$9.6
New Construction	\$6.5	\$6.8	\$61.5	\$4.6	\$2.9	\$2.9	\$3.4
Acquisition	\$1.3	\$12.2	\$12.0	\$13.4	\$10.4	\$25.6	\$22.8
Operating	\$16.9	\$18.0	\$18.6	\$19.3	\$20.7	\$20.7	\$21.4
Total	\$50.7	\$67.3	\$115.4	\$50.5	\$44.6	\$62.2	\$57.2

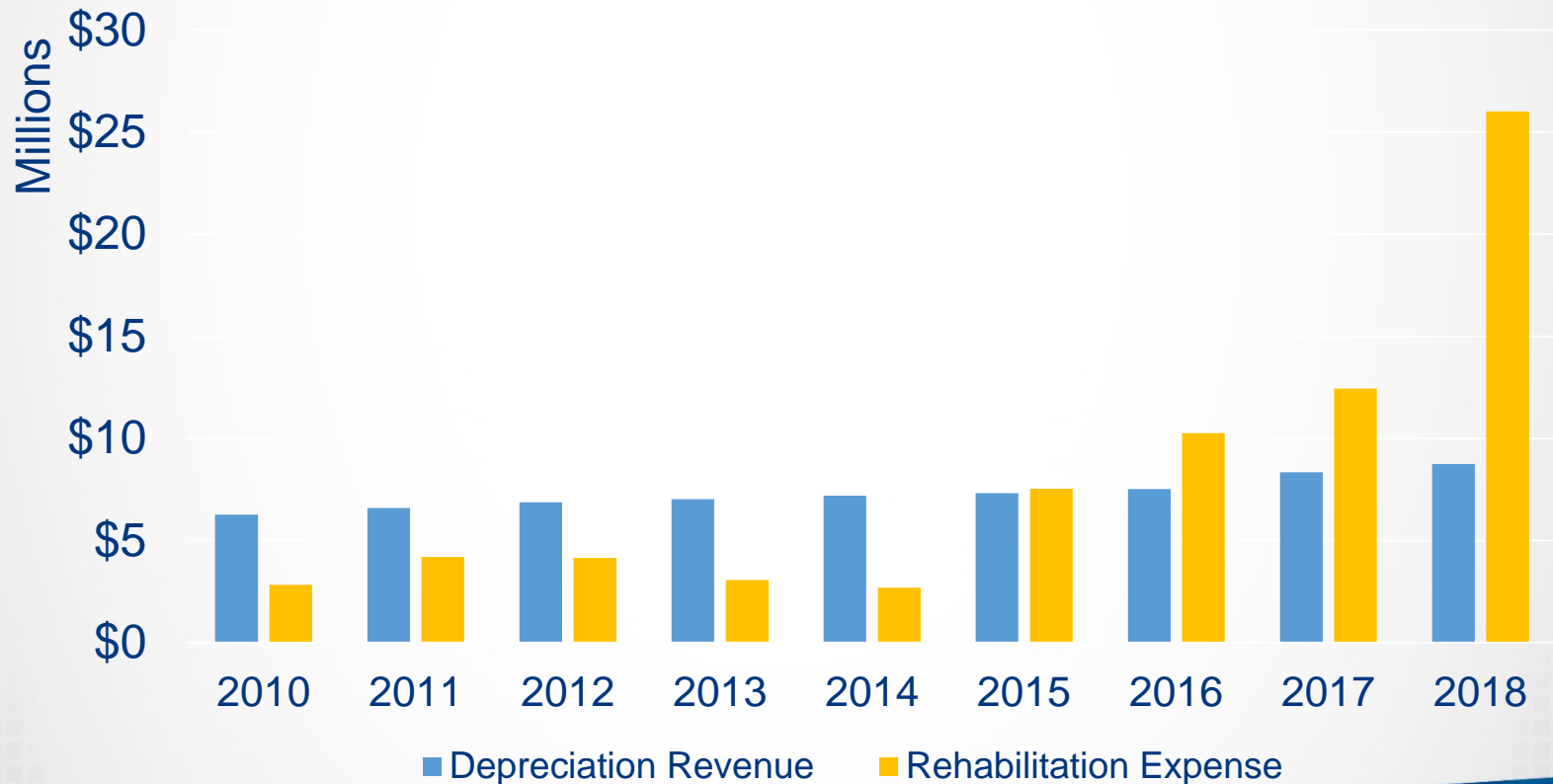
* Projected cash flow – timing will differ from budget

Water Revenue Projections

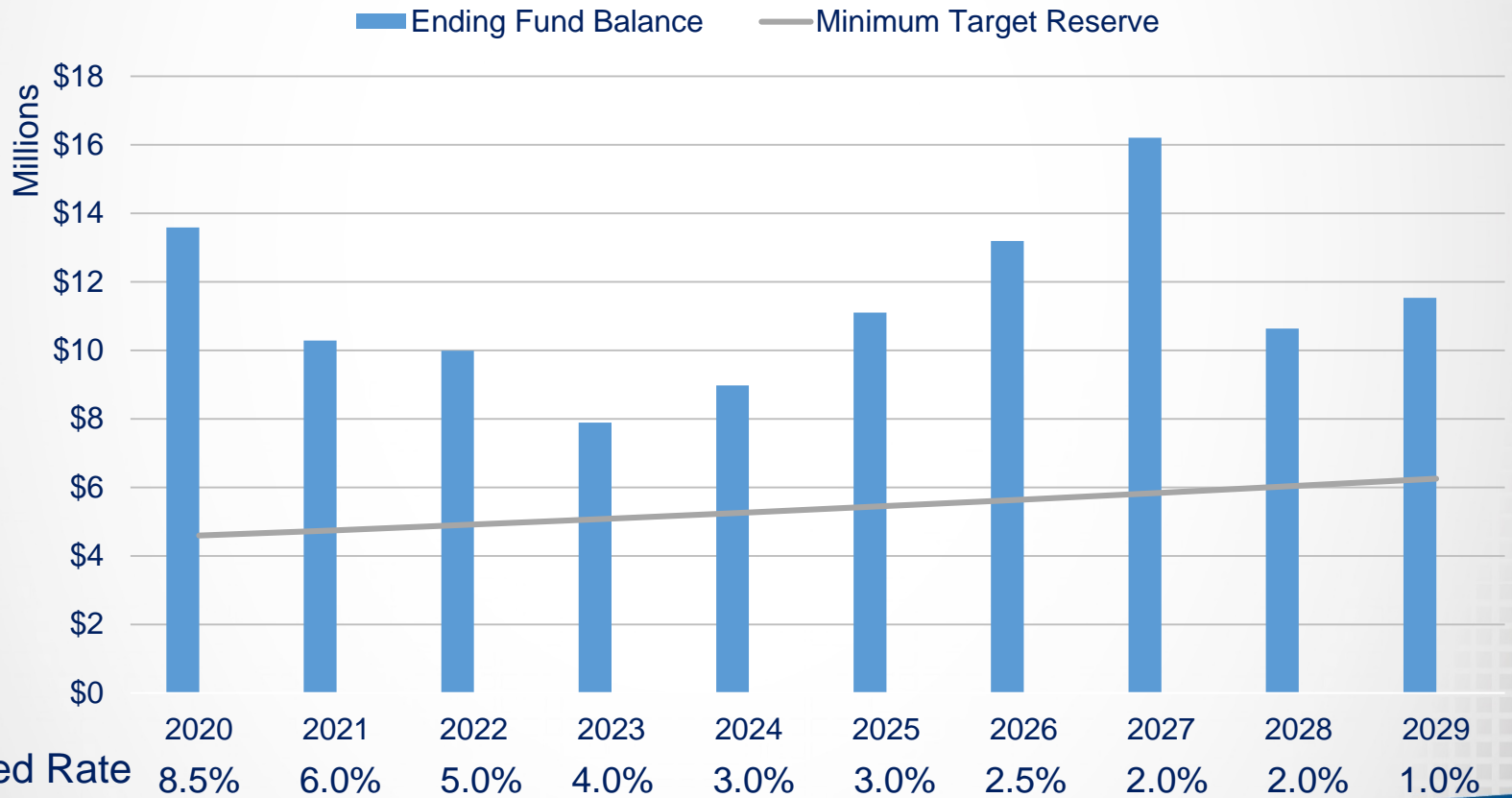


	Actual 2018	2019	2020	2021	2022	2023	2024
PIF	\$6.0	\$3.8	\$6.6	\$4.8	\$4.9	\$6.1	\$6.8
Cash-in-Lieu	\$0.9	\$0.9	\$0.9	\$3.1	\$4.7	\$5.8	\$6.9
Misc Revenues	\$2.6	\$1.6	\$1.7	\$1.7	\$1.8	\$1.8	\$1.8
Rates-Depreciation	\$8.7	\$8.5	\$8.6	\$9.4	\$9.2	\$9.2	\$9.8
Rates-Debt Service	\$13.6	\$11.7	\$13.9	\$14.8	\$16.7	\$17.5	\$18.6
Rates-O&M	\$15.6	\$17.4	\$19.2	\$20.5	\$21.4	\$22.8	\$23.0
Total	\$47.4	\$43.9	\$51.0	\$54.3	\$58.5	\$63.2	\$66.9

Depreciation Revenue/Rehab Expense - Water



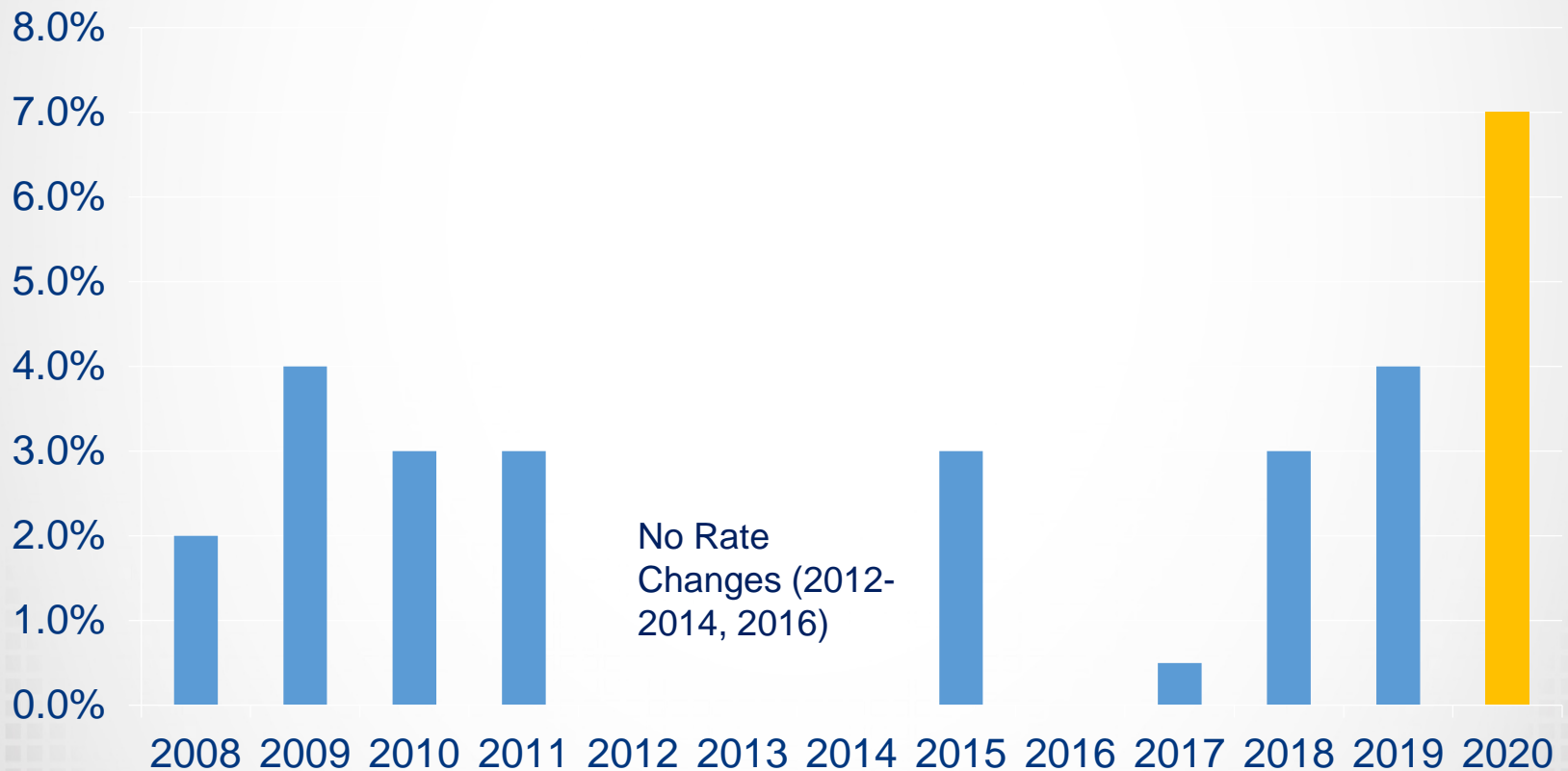
Projected Water Operating Cash Flow



Projected Rate Increases

Sewer Fund

History of Sewer Rate Changes



Proposed Sewer Rate Changes

Customer Class	% Rate Increase	Rates
Single Family	8.0%	\$2.47
Multi-Family	5.0%	\$2.60
Commercial I	5.5%	\$2.60
Commercial II	6.5%	\$3.53
Commercial III	7.5%	\$4.46
Commercial IV	9.0%	\$5.39
Commercial V	9.0%	\$6.28

- Monthly service charge remains \$11.55

Proposed Sewer Rate Changes

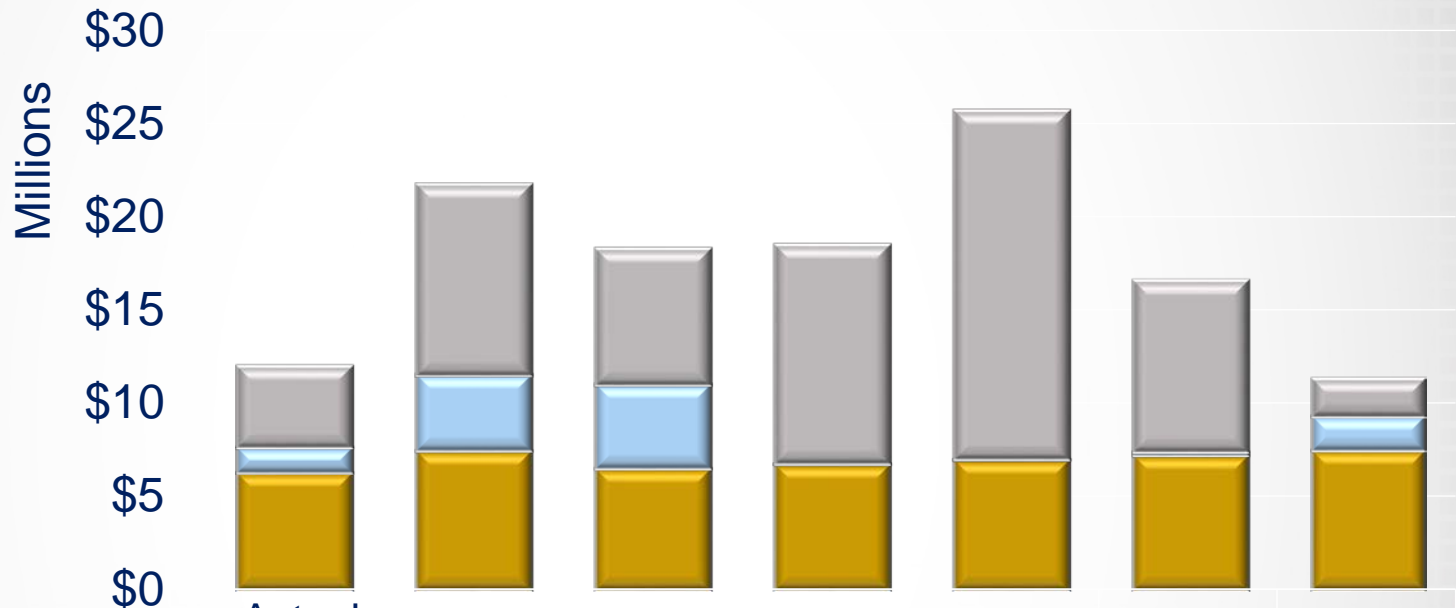
Customer Class	% Rate Increase	Rates
Industrial SIC 2026	12.5%	\$19.05
Industrial SIC 2013	0%	\$14.27
Industrial SIC 7218	20.0%	\$5.38
Industrial SIC 2034	7.5%	\$3.60

Proposed Sewer Rates – Outside City

Customer Class	% Rate Increase	Rates
Outside Single Family	8.0%	\$3.82
Outside Multi-Family	5.0%	\$3.37
Outside Commercial I	5.5%	\$3.37
Outside Commercial II	6.5%	\$4.49
Outside Commercial III	7.5%	\$5.62
Outside Commercial IV	9.0%	\$6.52
Outside Commercial V	9.0%	\$7.36

- Monthly service charge \$14.44

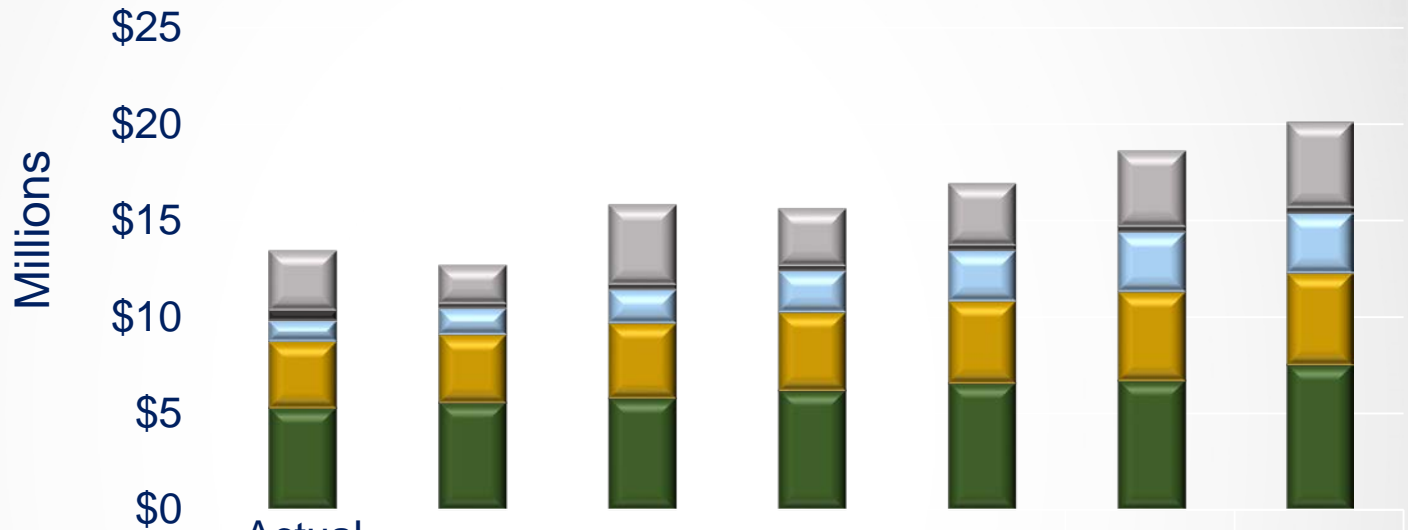
Sewer Expenditure Projections*



	Actual 2018	2019	2020	2021	2022	2023	2024
Replacement	\$4.4	\$10.2	\$7.3	\$11.8	\$18.7	\$9.2	\$2.1
New Construction	\$1.4	\$4.1	\$4.5	\$0.1	\$0.1	\$0.2	\$1.9
Operating	\$6.3	\$7.4	\$6.5	\$6.7	\$7.0	\$7.2	\$7.5
Total	\$12.1	\$21.8	\$18.3	\$18.5	\$25.7	\$16.6	\$11.4

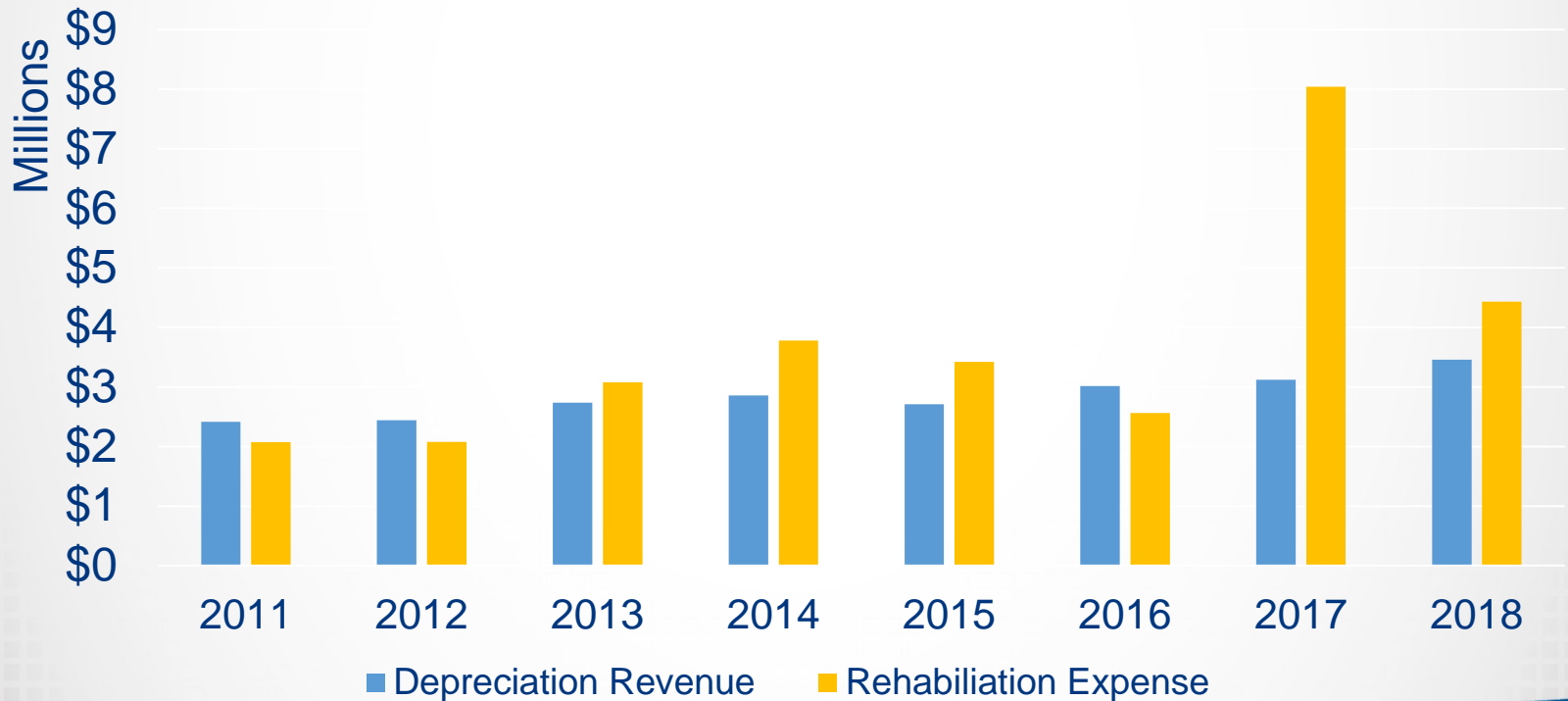
* Projected cash flow – timing will differ from budget

Sewer Revenue Projections

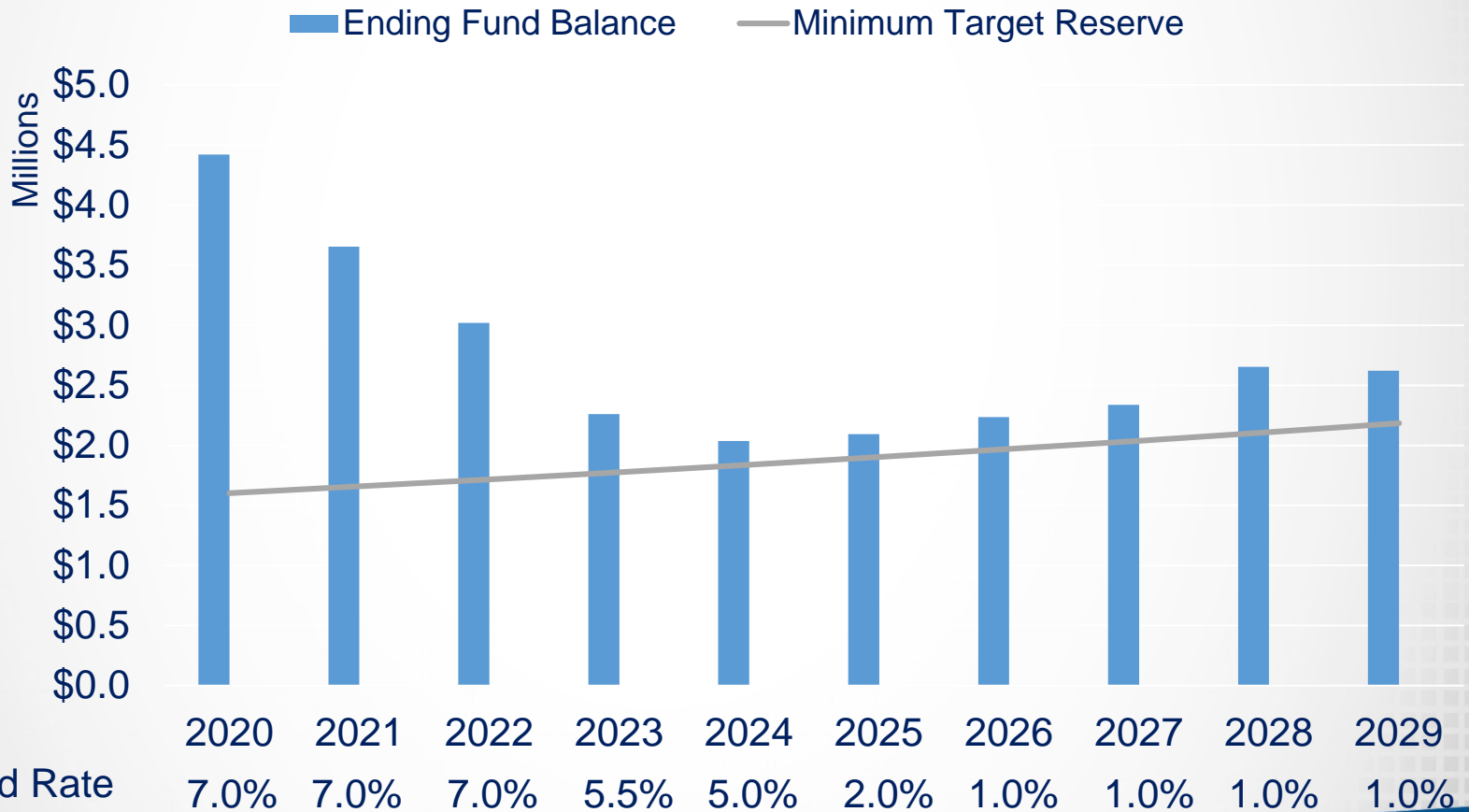


	Actual 2018	2019	2020	2021	2022	2023	2024
PIF	\$3.1	\$2.0	\$4.1	\$3.0	\$3.2	\$3.9	\$4.4
Misc Revenue	\$0.5	\$0.2	\$0.2	\$0.2	\$0.3	\$0.3	\$0.3
Rates-Debt Service	\$1.1	\$1.4	\$1.8	\$2.1	\$2.6	\$3.1	\$3.1
Rates-Depreciation	\$3.5	\$3.5	\$3.9	\$4.1	\$4.2	\$4.6	\$4.8
Rates-O&M	\$5.3	\$5.6	\$5.8	\$6.2	\$6.6	\$6.7	\$7.5
Total	\$13.5	\$12.7	\$15.8	\$15.6	\$16.9	\$18.6	\$20.1

Depreciation Revenue/Rehabilitation Expense - Sewer



Projected Sewer Operating Cash Flow



Projected Rate
Increases

Approximate Residential 2020 Bill

	Service Charge	Average Volume (kgal)	Volume Rate	Monthly Bill
Annual Avg Water	\$14.35	10.3	Varies by tier	\$65.33
Summer Water	\$14.35	22.0	Varies by tier	\$134.51
Winter Water	\$14.35	3.9	Varies by tier	\$31.89
Sewer	\$11.55	3.9	\$2.47	\$21.31

- 2020 monthly service charges
 - Water: \$14.35 (\$0.80 increase from 2019)
 - Sewer: \$11.55

Approximate Residential 2020 Bill Comparison

Average Bill	2019	2020	Change
Water	\$61.15	\$65.33	\$4.18
Sewer	\$20.14	\$21.31	\$1.17
Total	\$81.29	\$86.64	\$5.35

Plant Investment Fees

	2019	2020
Water	\$10,800	\$10,500
Sewer	\$5,700	\$6,000
Total W&S PIF	\$16,500	\$16,500

Budget Highlights

2020 Budget Drivers - Operating

- Proposed new positions
 - Rates/budget analyst - \$115,000
 - Utility Finance Manager role has shifted to financial and development policy
 - Rate modeling and budgeting need more attention
 - Agreement & contract management
 - Water conservation analyst - \$100,000
 - Data analytics and customer engagement
 - Water Conservation Manager focus on strategic planning
 - Treated water reservoir maintenance technician - \$70,000
 - Reservoir system has expanded, number of staff have not changed since ~1980
 - Additional storage, Bellvue 60", distribution system growth

2020 Budget Drivers - Operating

- Proposed additional funding requests
 - Non-Potable dump truck (one-time) - \$140,000
 - Non-Potable vacuum truck (used, one-time) - \$70,000
 - Farm maintenance increase (in High Mtn Reservoirs budget) - \$50,000
 - Additional increases in the future as additional water rights are purchased
 - Conservation van - \$45,000
 - Potentially 2 additional replacements in future years

2020 Budget Drivers – Water Capital – New Projects

2020 Projects

- Non-Potable Expansion – \$1.0 million annually
- Advanced Metering Infrastructure – \$1.7 million annually for 3 years, \$325K annually thereafter

2020 Budget Drivers – Water Capital – Continuing Projects

2020 Projects

- Water treatment plants rehab projects
 - Bellvue: \$26.5 million – Awarded in late 2017, construction continues until 2020
 - Boyd: \$13 million – Phased, 2017 through 2022
- Windy Gap firming - \$56 million (construction)
- Milton Seaman permitting - \$2 million (ongoing)
- Utility billing software (\$1.25 million water, \$0.5 million sewer, \$0.35 million stormwater)

2020 Budget Drivers – Water Capital – Continuing Projects

- Transmission rehab program
 - Annual program - \$1.8 to \$4.1 million/year
- Bellvue Pipeline – Gold Hill - \$4.1 million
 - Easements and construct one segment in Windsor
- Equalizer (over 4 years) - \$36.5 million
 - Needed to support non-potable system expansion

2020 Budget Drivers – Sewer Capital – New Projects

2020 Projects

- No new 2020 projects

Future Years

- WPCF Primary Treatment phase 2 (2022) - \$19.8 million
- WPCF Primary Treatment phase 3 (2028) - \$68.2 million

2020 Budget Drivers – Sewer Capital – Continuing Projects

2020 Projects

- Ashcroft Draw Lift Station - \$3.8 million
 - Design: 2019, Construction in 2020
- Nitrification phase 2 - \$21 million
 - Starting in late 2019

Future Years

- Poudre Trunk phase 2 (2021) - \$1.6 million

Future Budget Issues

- 10 year strategic staffing plan
 - Develop over the next year
 - Succession planning related to PROpel effort
- Known staffing needs
 - Asset management
 - Field operations
 - Water treatment operators
 - Transmission/Distribution operators
 - Regulatory compliance and water quality

Significant Water Projects & Requests— Approximate Rate Impact

Project	Annual Rate Impact	10 Year Rate Impact
All Supplemental Requests	0.15%	1.5%
Non-Potable Expansion	0.07%	0.7%
Advanced Metering Infrastructure	0.20%	2.0%
Bellvue – Gold Hill Segment	0.07%	0.7%
Windy Gap Firming	0.90%	9.0%
Equalizer	0.35%	3.5%
Milton Seaman Expansion (assuming \$400 million)	3.0%	30%

Significant Sewer Projects & Requests- Approximate Rate Impact

Project	Annual Rate Impact	10 Year Rate Impact
WPCF Primary Treatment Ph 2	1.60%	16.0%
WPCF Primary Treatment Ph 3	0.71%	7.1%
Ashcroft Draw Lift Station	0.30%	3.0%
Poudre Trunk Ph 2	0.07%	0.7%

Questions?

WATER & SEWER BOARD AGENDA JULY 17, 2019

ENCLOSURE X NO ENCLOSURE

ITEM NUMBER: 11

TITLE: WATER MARKET UPDATE

RECOMMENDATION: INFORMATION ONLY

ADDITIONAL INFORMATION:

This presentation will highlight what we are seeing in the rapidly changing land and water market. Using available data it will be shown how and why the cost of acquiring water has changed over the past few year and that the demand for water is effecting land values. Lastly how Water Resource is approaching this quickly changing market.

WATER VALUES AND LAND MARKET UPDATE


W&S Board

Cole Gustafson & Jen Petrzelka


July 17, 2019

WATER AND LAND MARKET

Over recent years there has been a rapid price escalation in these markets which will most likely continue.

- ▶ What's happening and why
 - ▶ Factors affecting water prices
 - ▶ How is the cost of water effecting land values?
 - ▶ Greeley's approach
- 
- A decorative graphic consisting of several parallel white lines of varying lengths, slanted upwards from left to right, located in the bottom right corner of the slide.

WATER PRICES

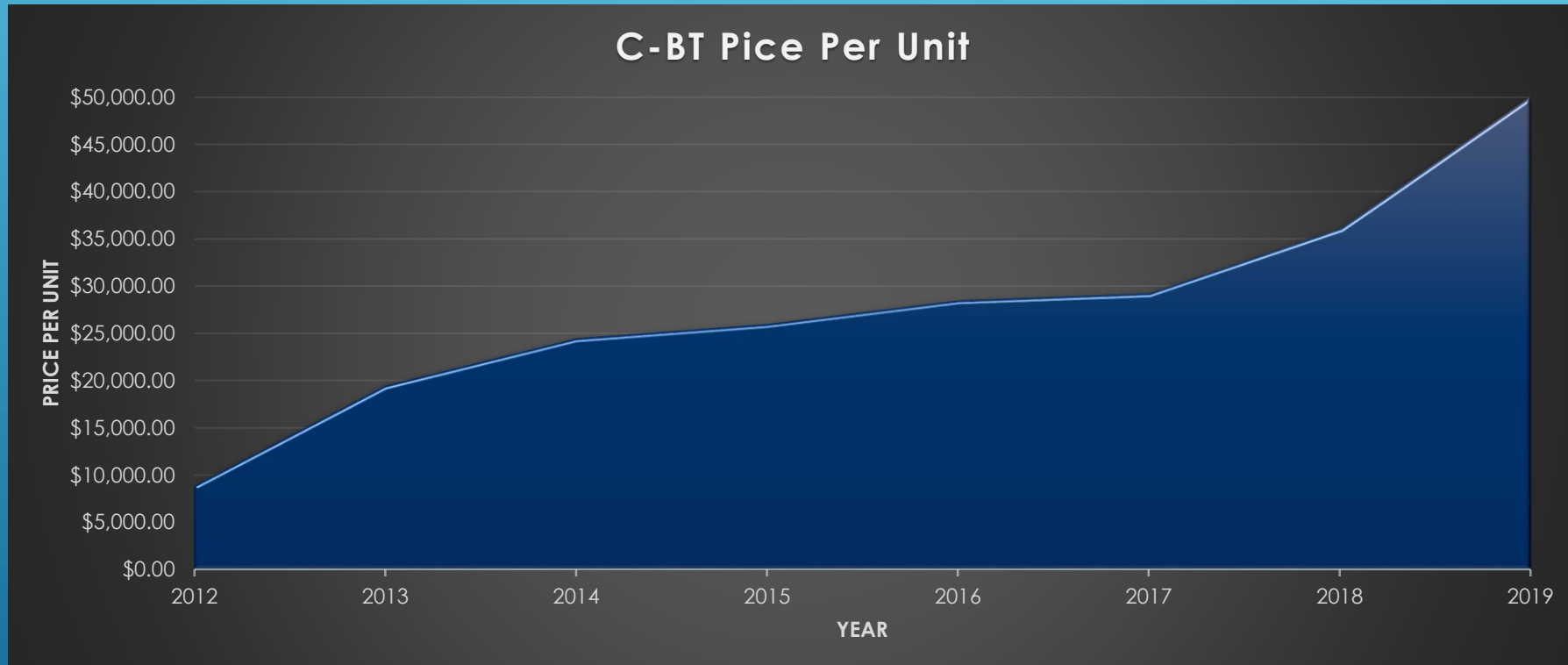
- ▶ Why are they increasing?
 - ▶ Supply and Demand
 - ▶ Decreasing supply with an increasing demand
 - ▶ Development policies of other water districts
 - ▶ Oil and Gas
 - ▶ Change cases open up market once CU is quantified
- 
- A decorative graphic consisting of several parallel white lines of varying lengths, slanted upwards from left to right, located in the bottom right corner of the slide.

WATER PRICE

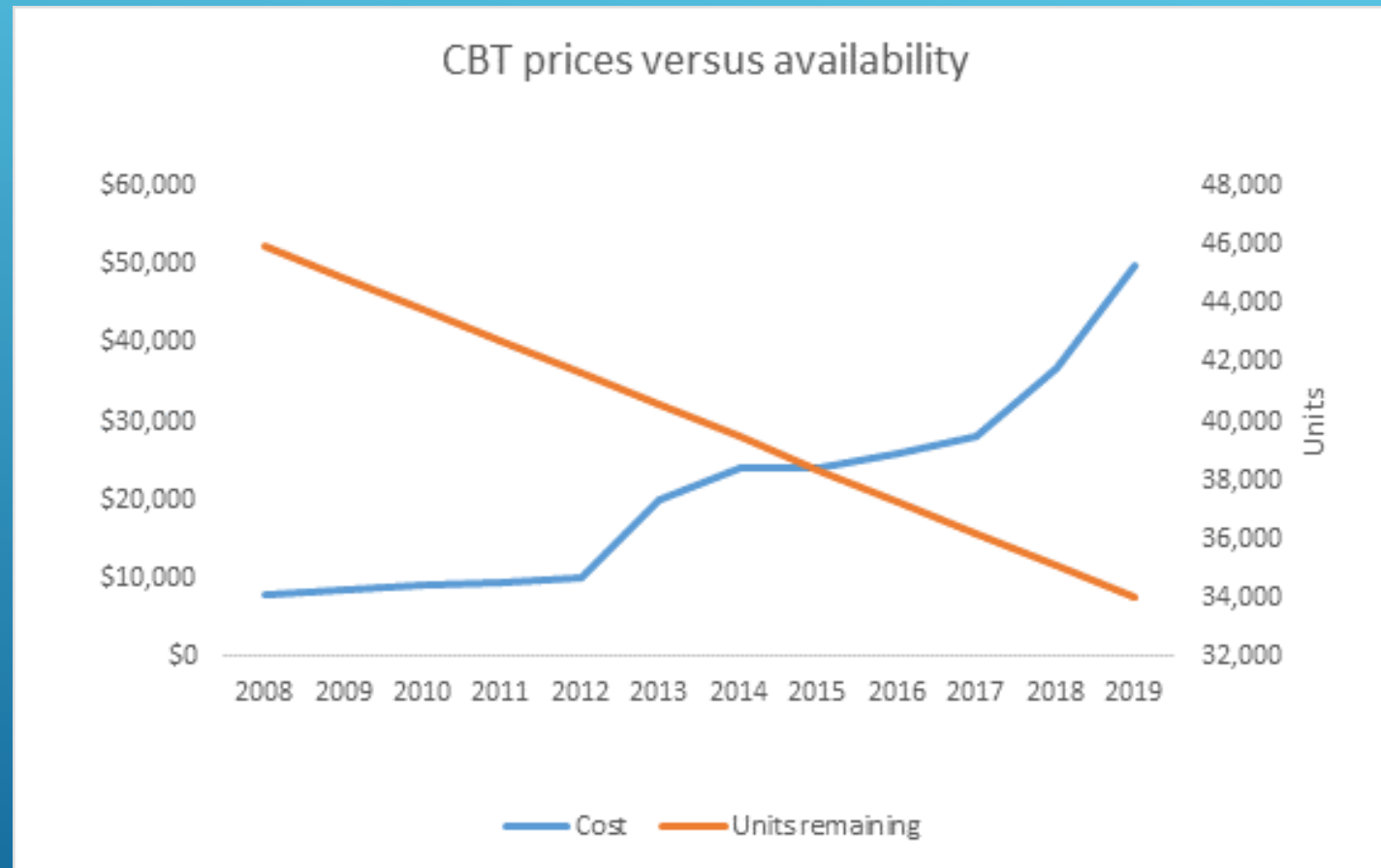
2018 Ownership by Water Allotment Contract Class	2018 Acre-Foot Units	2018 Percent
Class B		
Municipal	152,429	49
Class C		
Irrigation	56,754	18
Domestic/Industrial/Multi-purpose	66,006	21
Class D		
Irrigation	34,811	12
Totals	310,000	100

WATER PRICE

>450% increase over 7 years



WATER PRICE



WATER PRICES

Total WSSC Shares	600
City of Greeley	39
City of Fort Collins	26
City of Thornton	289
ELCO Water District	31.25
North Weld Water District	15.5
Dairy Production/Floaters	40
Other (State, HOAs, ect.)	21
Approximate Remaining in Ag	~140

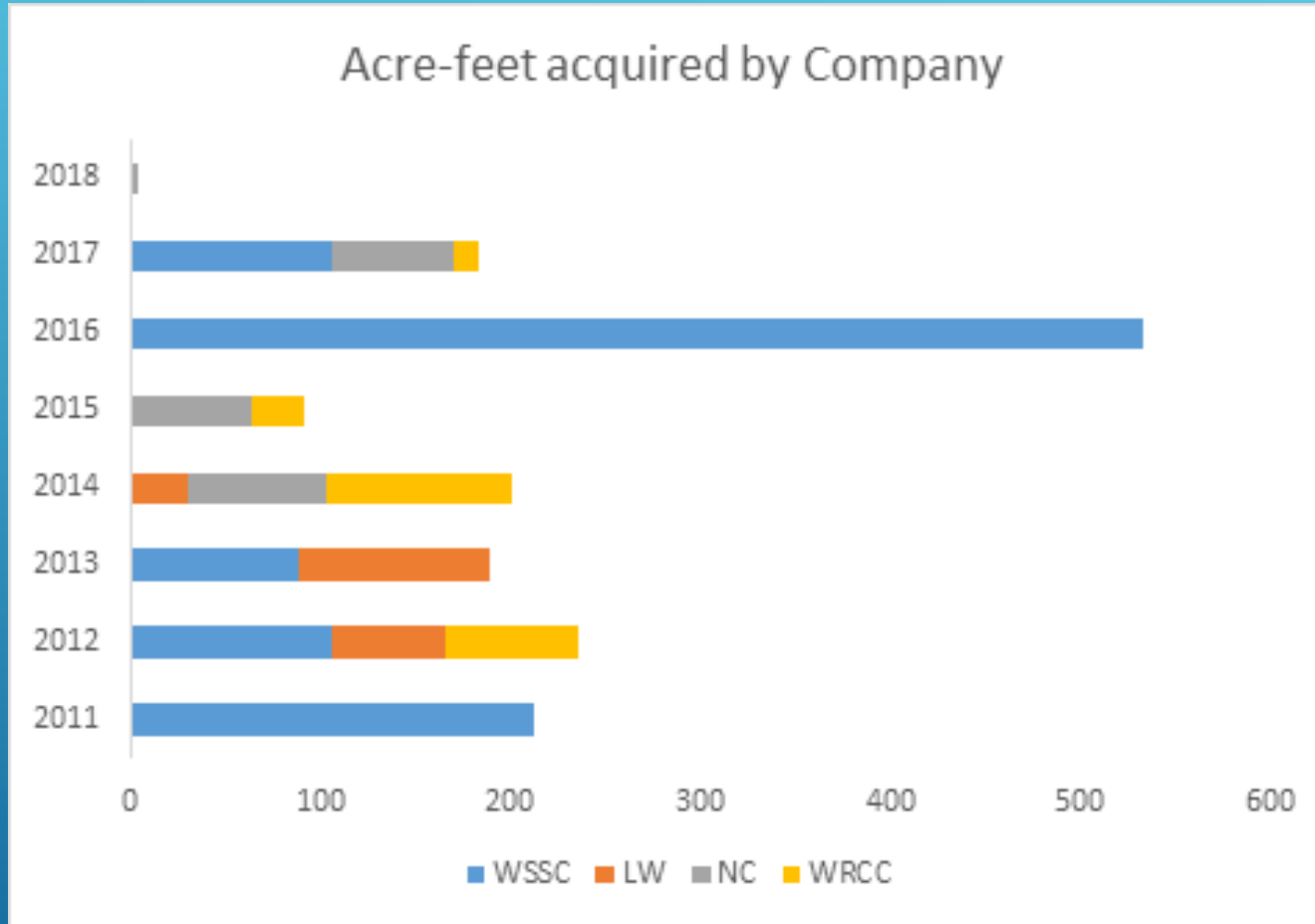
WATER PRICES

>342% increase over the past 14

>166% increase over the past 3 ½ years



WATER PRICES

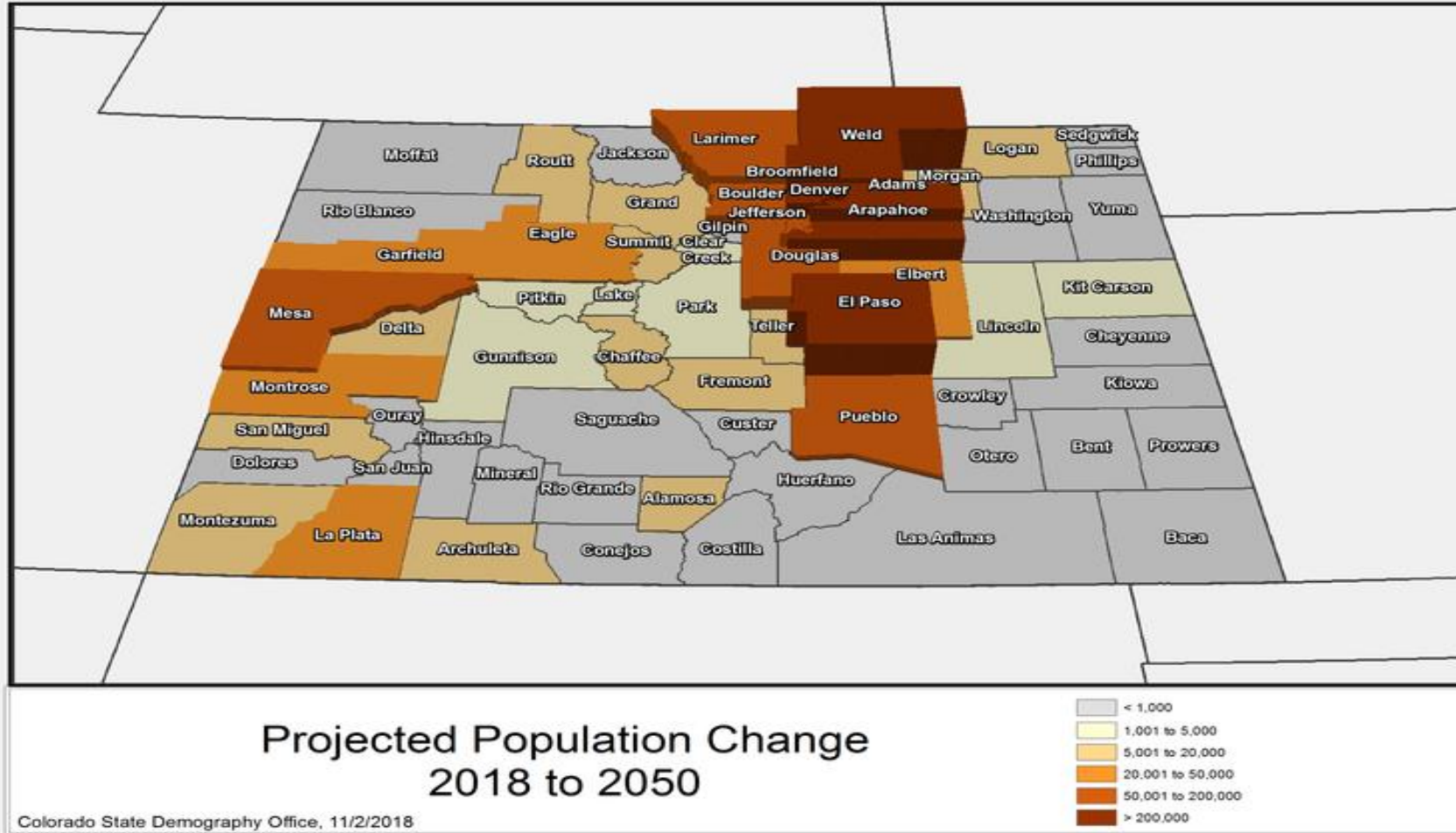


*volumes expressed in firm yield

LAND PRICES


- ▶ Why are they increasing?
 - ▶ The competition for water is not slowing down and land/water owners are willing to hold out for higher prices
 - ▶ Land owners and Brokers understand that water shares attached to land increase the value and are no longer willing to separate them.
 - ▶ Irrigated Land is being sold in City/Town growth management areas
 - ▶ Weld County is one of the fastest growing Counties in the State
 - ▶ New entities (NISP) are in the market buying both water and land

LAND PRICES



Rapid regional housing growth over past couple of years has really driven developers and municipalities to compete for a limited supply.

MOVING FORWARD

- ▶ Using a multi-pronged approach to water acquisition
 - ▶ Utilizing Brokers
 - ▶ Staff is building relationships within ag community
 - ▶ ATM's and other methods that could be attractive to sellers
 - ▶ Exploring different ways to work with land owners
 - ▶ Creative deal structures
 - ▶ Welcome land and water packaged sales
 - ▶ Because prices are escalating so quickly it's difficult to perform a market analyses and get accurate appraisals.
 - ▶ Continue to perform due diligence to ensure water is changeable and will yield adequate consumptive use
- 

WATER & SEWER BOARD AGENDA JULY 17, 2019

ENCLOSURE X NO ENCLOSURE

ITEM NUMBER: 12

TITLE: WATER SUPPLY UPDATE

RECOMMENDATION: INFORMATION ONLY

ADDITIONAL INFORMATION: Please see the attached memorandum for details.



MEMORANDUM

TO: Sean Chambers, Water and Sewer Director
FROM: Jen Petrzelka, Water Operations Manager
DATE: July 17, 2019
RE: July 2019 Water Supply Update

ISSUE

In accordance with the Drought Emergency Plan, staff reports the water supply status to the Greeley Water and Sewer Board (“Board”) in April, July and November of each year. The Water Resources Division uses three metrics to evaluate drought protection, associated hydrologic conditions, and to establish targets for storage. The three metrics used are “target storage level”, “safe storage level”, and “design drought” as defined below:

Safe Storage Level: A volume of stored water that is equal to six months of Greeley’s base treated water demand. This equates to approximately 25% of Greeley’s annual treated water demand. The average base treated demand for the last 20 years is 6,500 acre-feet/year (Figure 1).

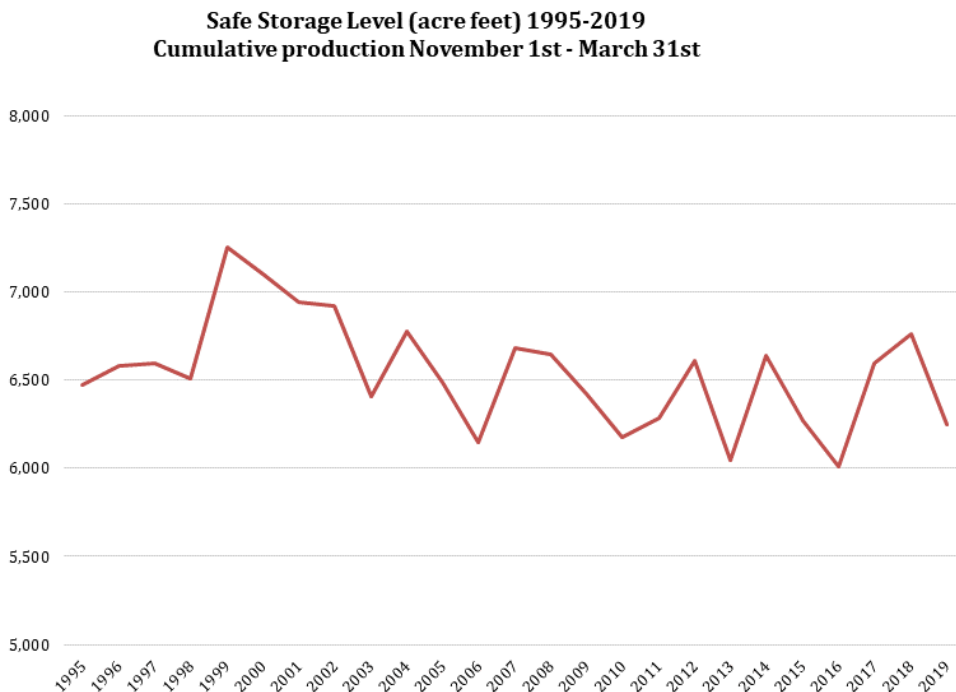


Figure 1

SERVING OUR COMMUNITY • IT'S A TRADITION

We promise to preserve and improve the quality of life for Greeley through timely, courteous and cost effective service.

Target Storage Level: the minimum initial storage level required to maintain a *safe storage level* throughout the design drought.

Design Drought: the 50-year critical drought represented by six consecutive years of below average runoff on both the Big Thompson and Cache la Poudre rivers. This drought can be defined as the average of the worst droughts that would occur in any 50-year time period. The recurrence interval has been estimated at 130 years.

Previous modeling analysis has shown that the **target storage level** needed to provide adequate drought protection (**safe storage level**) for the citizens of Greeley is approximately 20,000 acre-feet. When the target storage level is met, Board can declare an “adequate water year” with normal watering restrictions. As base use demands increase in the future, periodic reevaluation of the *target storage level* will be required to ensure the safe storage level is adequate in the event of extreme drought.

The Greeley System Storage Analysis excel application is used for the testing of the target storage level criteria. The model performs an annual water balance to arrive at a forecasted April 1st carryover storage based on existing supplies and demands for the current year. The **design drought** modeled yields are then utilized to extend the forecast to six years to arrive at the projected **safe storage level**. The storage analysis model only includes standard operational practices and does not take into account other plans (additional drought restrictions, etc.) that may be available to Greeley.

BACKGROUND

This Water Year has continued to see weak El Nino conditions through spring and early summer. Forecasts are calling for a 50% probability that El Nino conditions will persist into the fall and winter of 2019, however this does not have a significant influence on weather patterns in Colorado. Temperatures for April through June were below average and cumulative precipitation in Greeley is slightly above the 1997-2018 historical average at 7.87 inches. Cool temperatures and a couple of June snow storms contributed to a slow snowmelt that began in mid-March, peaked on April 15th at 113% of average and did not begin to decline until mid-May with melt out occurring on July 1st, approximately a month later than 2018.

Reservoirs across the Colorado, Big Thompson and Poudre are 100% full, however the wet, cool spring and early summer has resulted in low irrigation demands which could result in spilling. Forecast are predicting average temperatures and above average precipitation through August. The Colorado SWSI¹ report for June showed the South Platte Basin at above normal supply levels (.38), .32 higher than the same time last year.

The High Mountain Reservoir (HMR) system yielded over 4,000 acre-feet of supply with the majority of that rented out to agriculture. The Greeley Loveland System (GLIC) yielded

¹ The Surface Water Supply Index (SWSI) was developed by the Colorado Division of Water Resources and the U.S.D.A Natural Resources Conservation Service (NRCS). This is an indicator of mountain-based water supply conditions for the major river basins in Colorado. It is based on streamflow, reservoir storage, and precipitation. The SWSI scale goes from -4 (severe drought) to +4 (abundant supply) with 0 being near normal supply.

approximately 10,712 acre-feet through July 1. Northern water was able to pump 1,100 acre-feet of Windy Gap this year, however the high storage levels in Lake Granby and late June snow storm is expected to result in a spill during the week of July 9th. We are treating as much Windy Gap as possible in anticipation of a spill and staff will collateralize our Colorado Big Thompson (C-BT) supplies for any Windy Gap demands after the spill occurs.

Through July 8, staff has rented approximately 25,600 acre-feet of water to agriculture. The Greeley System Storage Analysis table shows the April 2020 storage level will be approximately 25,752 acre-feet. In accordance with GLIC carryover policy, water carried over from 2018 will be spilled. The company has not calculated how was spilled (3,733 acre-feet) in order to accept 2018 stock water.

RECOMMENDATION

Projected storage remains above the 20,000 acre-feet target storage level; therefore, the Adequate Water Year conditions declared in April 2019 remain valid.

Greeley System Storage Analysis

2019 Water Supply Update

C-BT=70% HMR*= 0 AF
 Yields GL/LL/7L = 11/40/20

Water Year 2019 Operations

	Beginning Storage (1)	Estimated Yield (2)	Total Supplies (3)	Total WY 2019 Demands (4)	Early Season Spills and Collateralized (5)
NCWCD (C-BT)	5,640	18,445	24,086	(14,627)	(1,316)
WINDY GAP	0	916	1,565	(4,062)	2,881
POUDRE SYSTEM	13,208	9,180	22,388	(15,646)	0
GLIC SYSTEM	17,256	12,525	29,781	(12,947)	(5,000)
TOTAL	36,104	41,066	77,171	(47,282)	(3,435)
				Balance	26,454

Water Year 2020 Storage Volume

	Ending WY '19 31-Oct-19 Storage (6)	1-Nov-19 Spills (7)	Beginning WY 2020 1-Nov-19 Storage (8)	Winter 2019 (Nov thru April) Demands on Storage and Shrink (9)	1-Apr-20 Carryover (10)
NCWCD (C-BT)	7,018	0	7,018	(702)	6,316
WINDY GAP	0	0	0	0	0
POUDRE SYSTEM	6,475	0	6,475	0	6,475
GLIC SYSTEM	12,960	0	12,960	0	12,960
TOTAL	26,453	0		(702)	25,752
				Target Storage Volume:	20,000

Water Supply Update July 17th, 2019

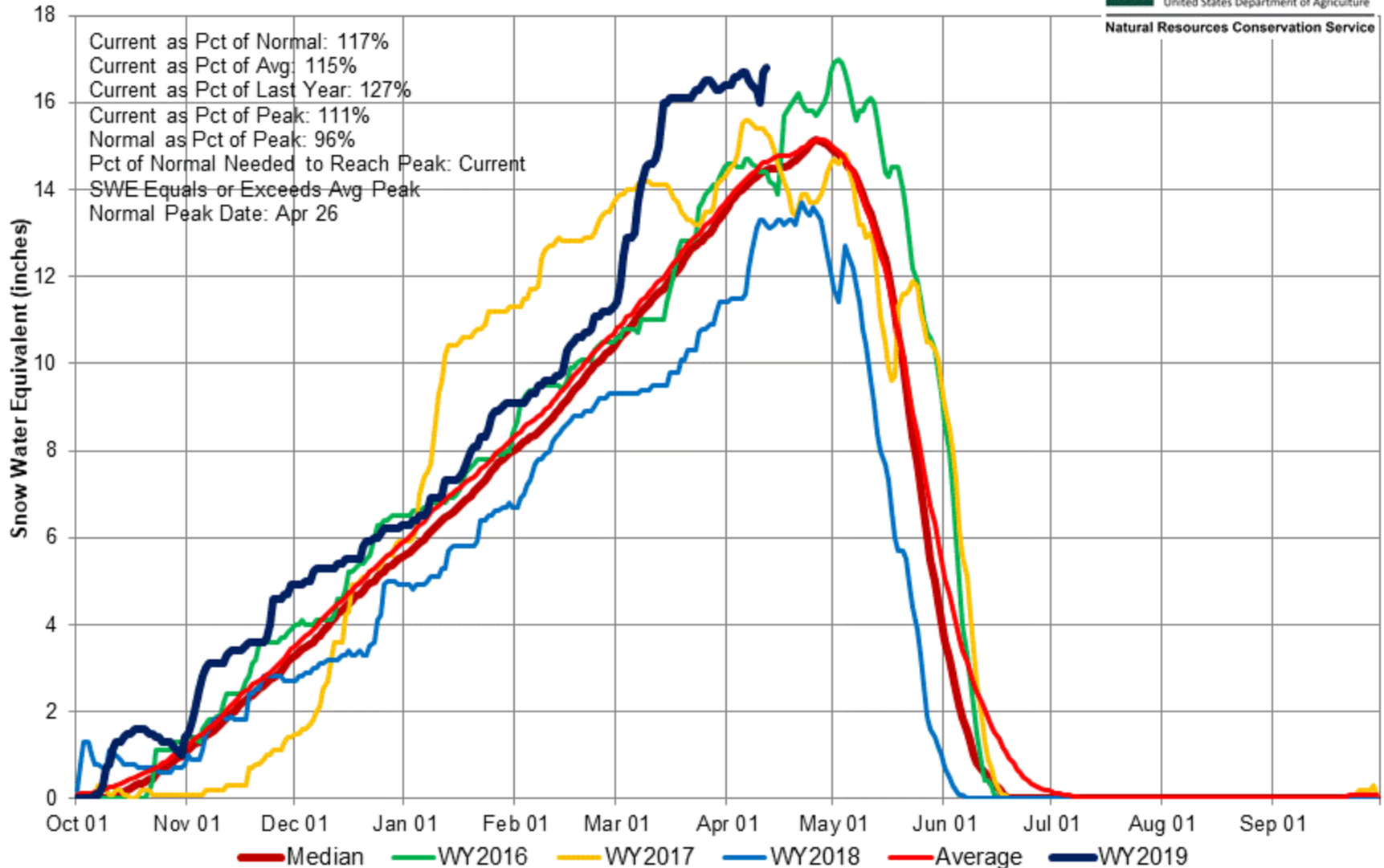
Water & Sewer Board



April 2019-NRCS Snowpack

South Platte River Basin Time Series Snowpack Summary

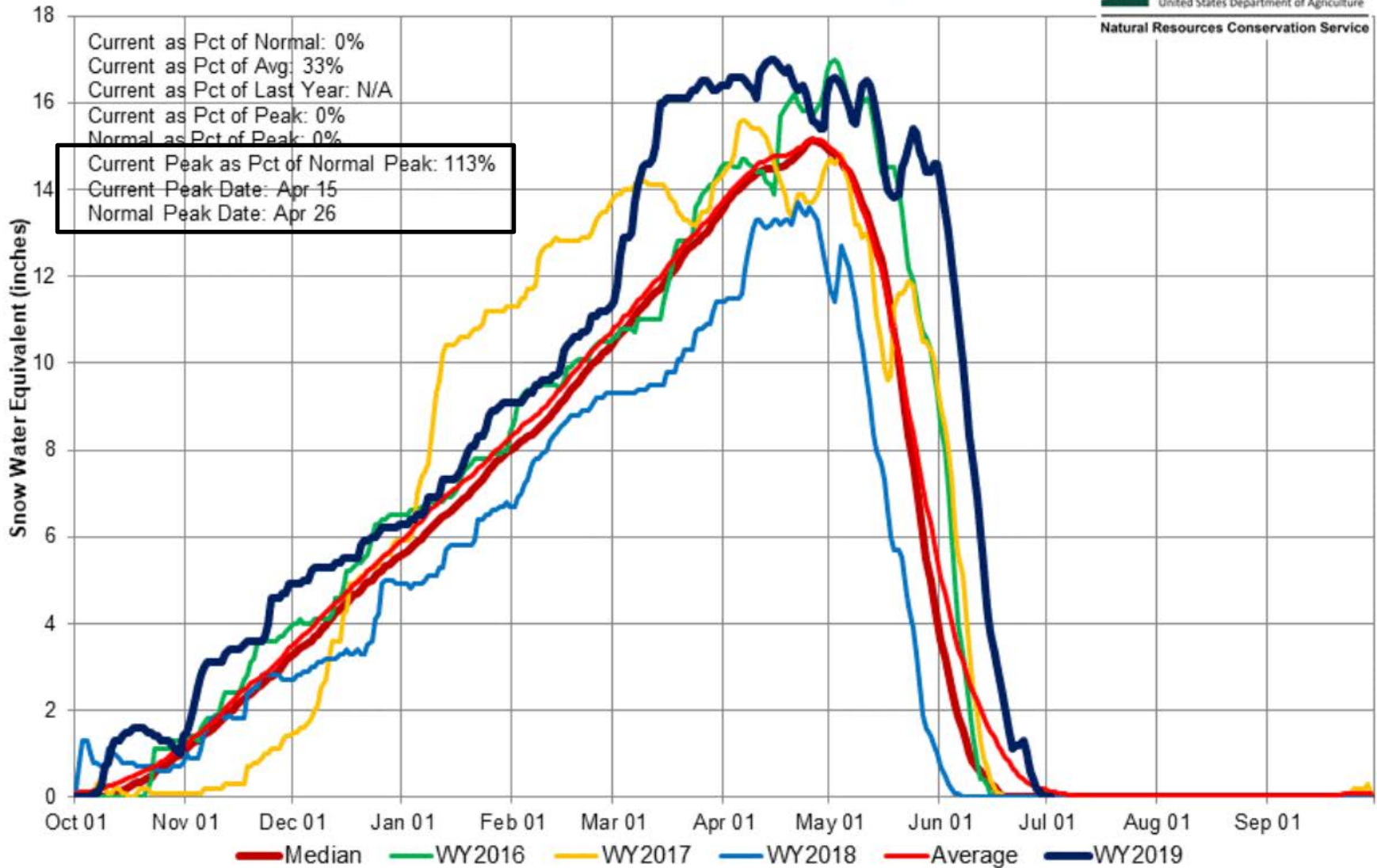
Based on Provisional SNOTEL data as of Apr 12, 2019



July 2019 NRCS Snowpack Summary

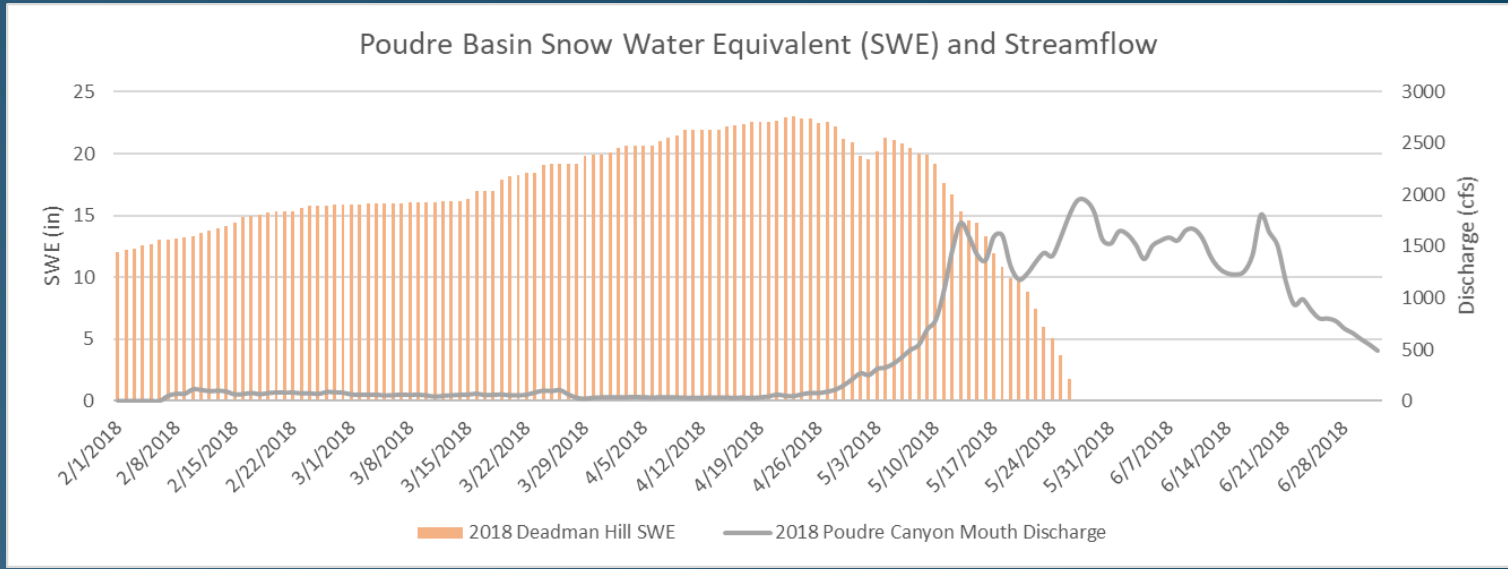
South Platte River Basin Time Series Snowpack Summary

Based on Provisional SNOTEL data as of Jul 02, 2019

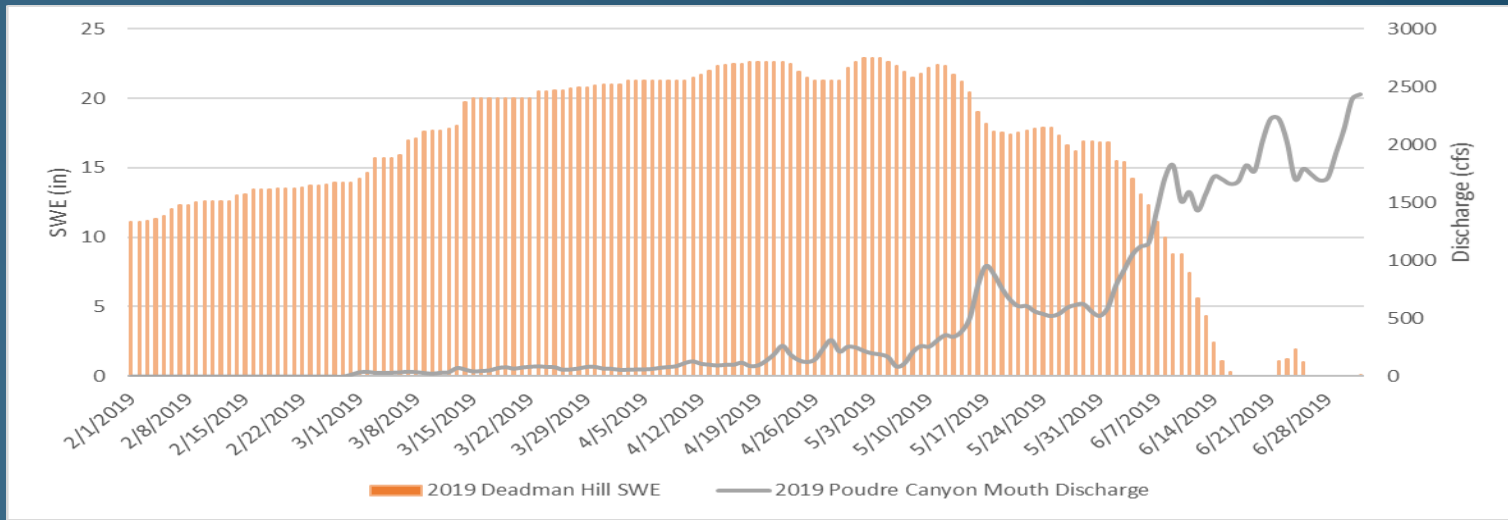


SWE vs. Streamflow

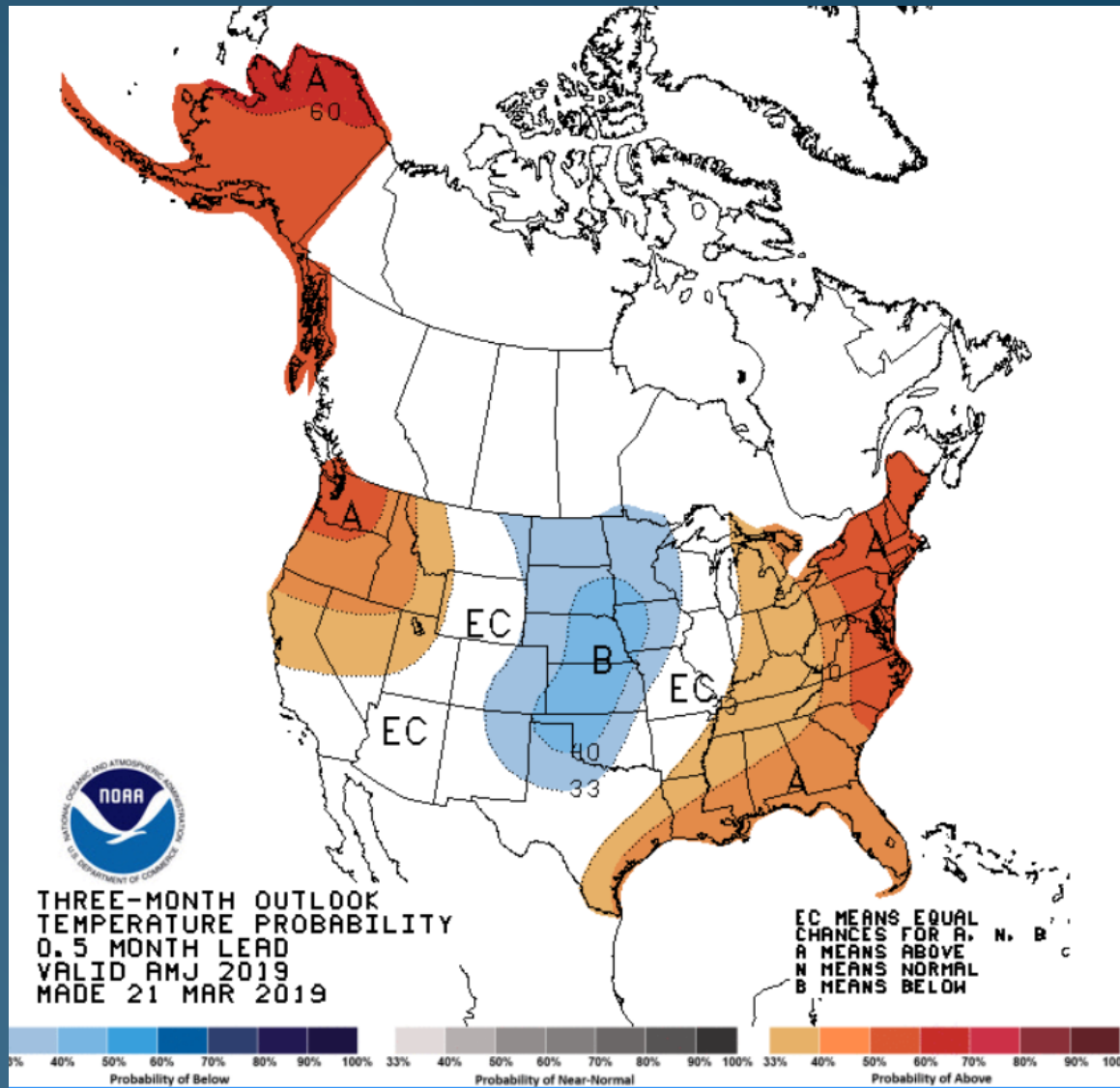
2018



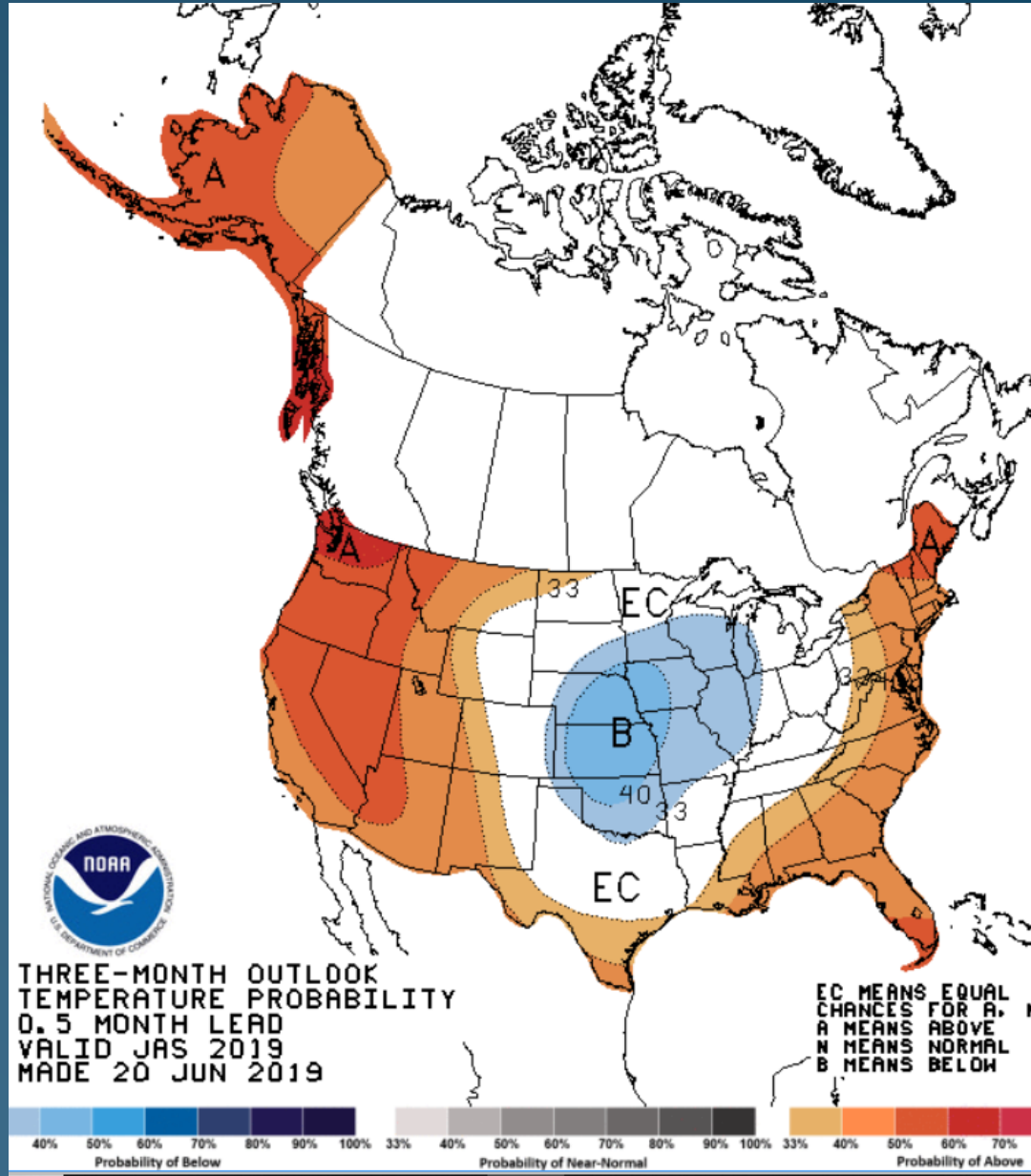
2019



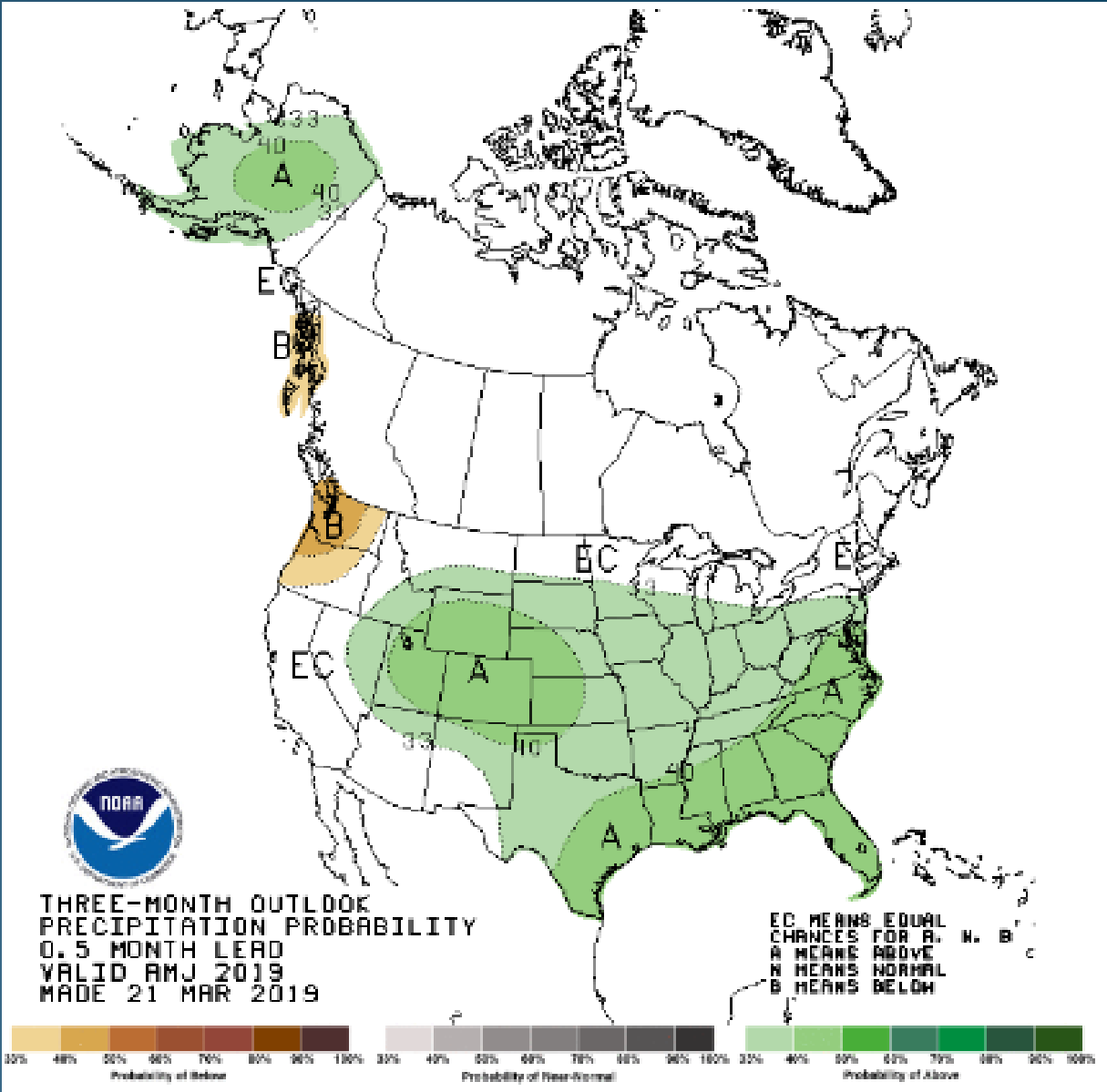
3-month Temperature Projections (April)



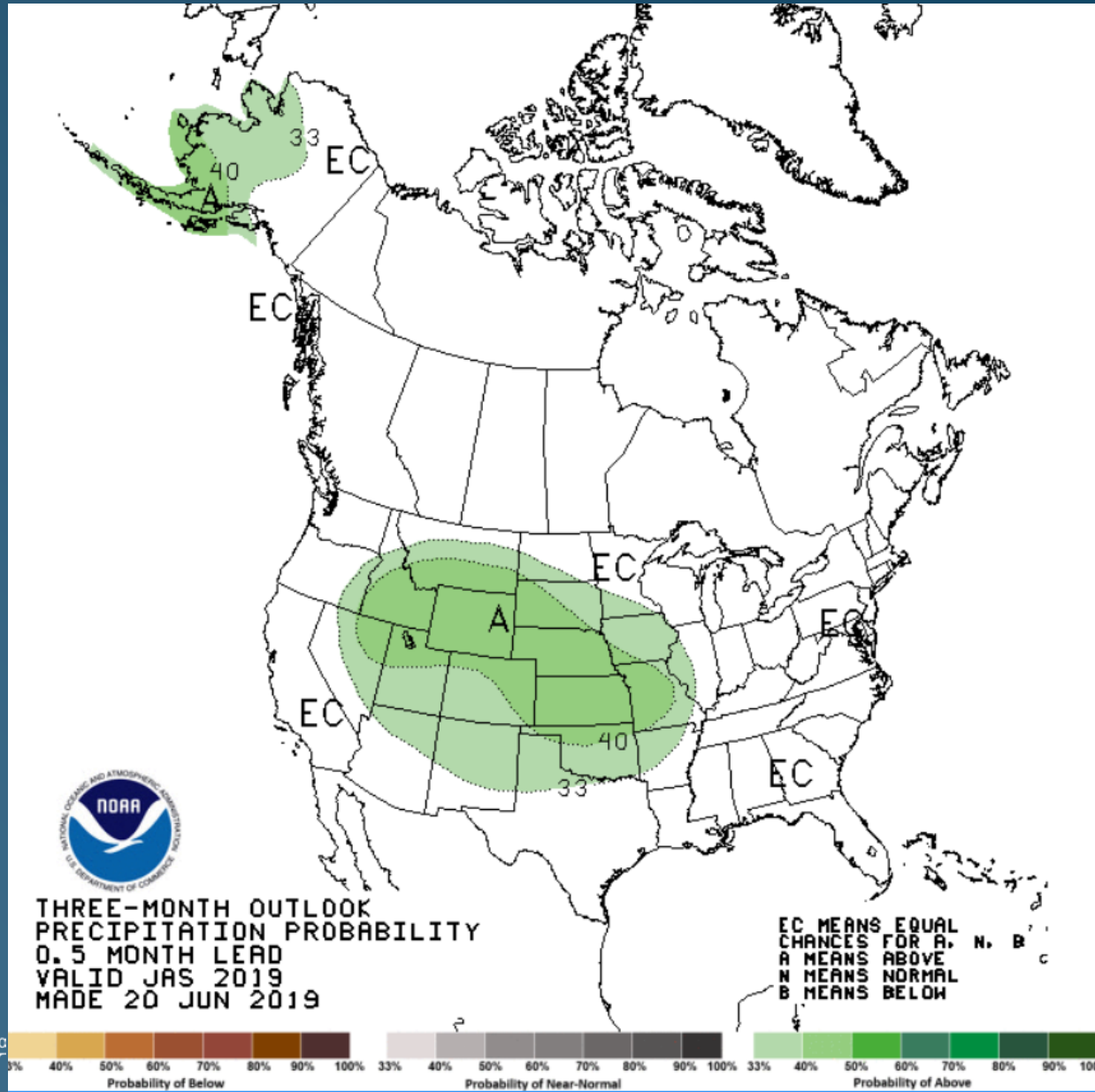
3-month Temperature Projections (July)



3-month Precipitation Projections (April)

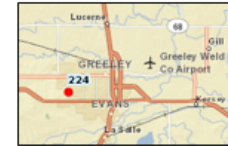


3-month Precipitation Projections (July)

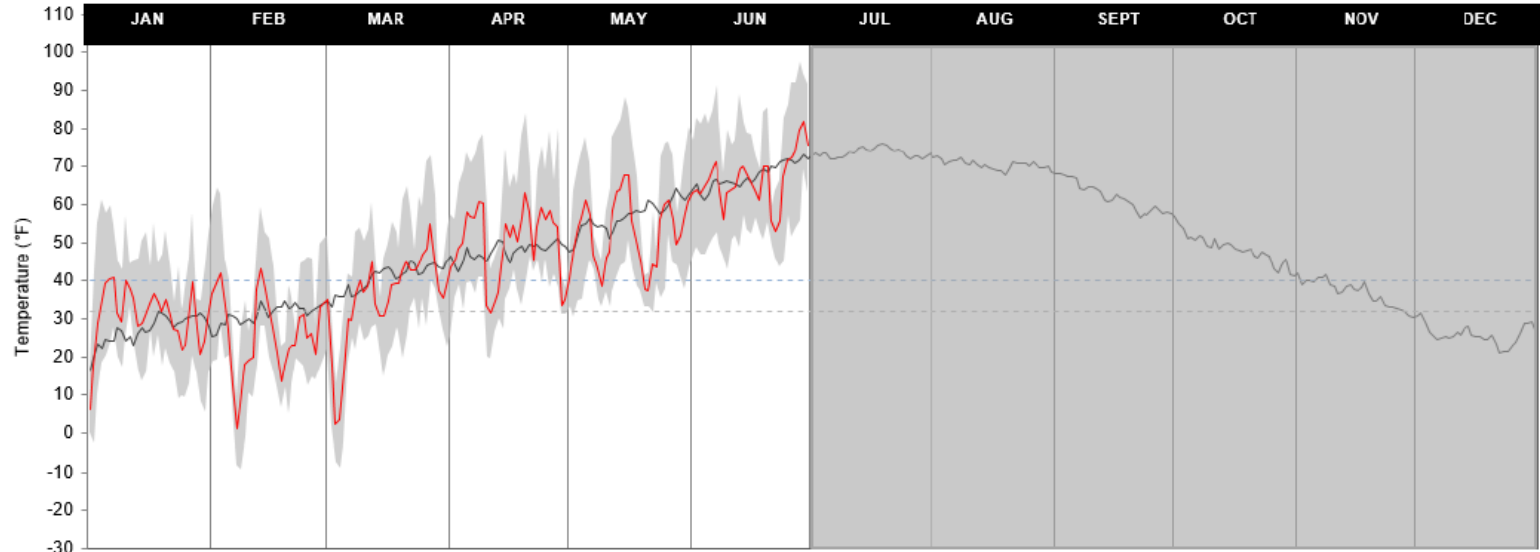


City of Greeley: Temperature (°F) and Precipitation 1998-2018

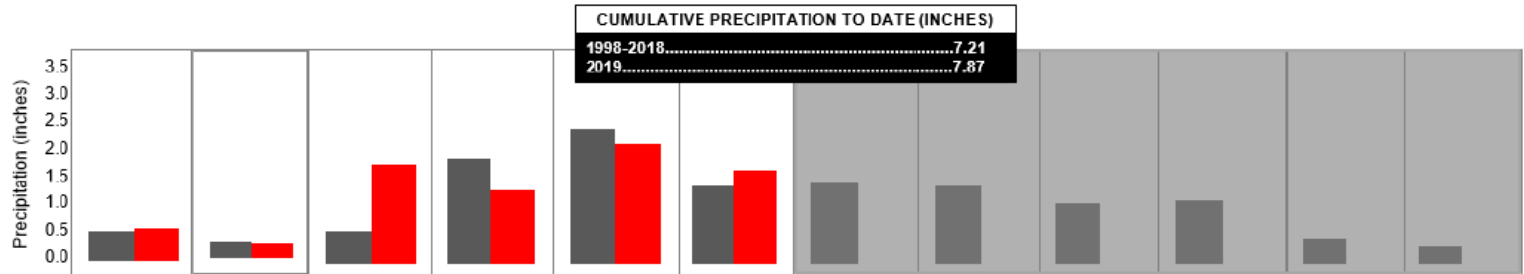
- 1998-2018 Average Temperature
- 2019 Average Daily Temperature
- 2019 Daily Temperature Range
- R Record monthly high (1998-2018)



Greeley West station (224)
Source: northernwater.org



	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
1998-2018	27.2	31.2	40.7	47.9	57.0	67.6	73.7	70.5	62.1	48.5	36.9	25.9
2019	30.6	25.9	35.6	50.2	52.7	81.0						



Evaluating Target Storage

- **Safe Storage Level**
 - Equal to 6 months of Greeley's Base Use
- **Target Storage Volume**
 - Minimum storage level required to maintain Safe Storage Level through design drought
- **Design Drought**
 - Six consecutive years of below average runoff.
 - Used to forecast six years into the future to arrive at the Safe Storage Level

April 2019 Greeley Storage

Greeley System Storage Analysis

2019 Water Supply Update

C-BT=80% HMR* = 0 AF
Yields GL/LL/7L = 11/40/20

Water Year 2019 Operations

	Beginning Storage (1)	Estimated Yield (2)	Total Supplies (3)	Total WY 2019	Early Season Spills and Collateralized (5)
				Demands (4)	
NCWCD (C-BT)	5,821	14,886	20,707	(8,062)	(307)
WINDY GAP	0	916	1,565	(1,806)	1,872
POUDRE SYSTEM	4,866	8,602	13,468	(9,555)	0
GLIC SYSTEM	17,256	8,855	26,111	(11,269)	0
TOTAL	27,943	33,259	61,202	(30,692)	1,565
				Balance	32,075

Water Year 2020 Storage Volume

	Ending WY '19 31-Oct-19 Storage (6)	1-Nov-19 Spills (7)	Beginning WY 2020 1-Nov-19 Storage (8)	Winter 2019 (Nov thru April) Demands on Storage and Shrink (9)	1-Apr-20 Carryover (10)
NCWCD (C-BT)	8,217	1,253	6,963	(696)	6,267
WINDY GAP	0	0	0	0	0
POUDRE SYSTEM	4,895	0	4,895	(1,072)	3,824
GLIC SYSTEM	18,963	0	18,963	0	18,963
TOTAL	32,075	1,253		(1,768)	29,054
				Target Storage Volume:	20,000

July 2019 Greeley Storage

Greeley System Storage Analysis

2019 Water Supply
Update

C-BT=70% HMR*= 0 AF
Yields GL/LL/7L = 11/40/20

Water Year 2019 Operations

	Beginning Storage (1)	Estimated Yield (2)	Total Supplies (3)	Total WY 2019 Demands (4)	Early Season Spills and Collateralized (5)
NCWCD (C-BT)	5,640	18,445	24,086	(14,627)	(1,316)
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Water Year 2020 Storage Volume

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WINDY GAP	0	0	0	0	0
POUDRE SYSTEM	6,475	0	6,475	0	6,475
GLIC SYSTEM	12,960	0	12,960	0	12,960
TOTAL	26,453	0		(702)	25,752
				Target Storage Volume:	20,000

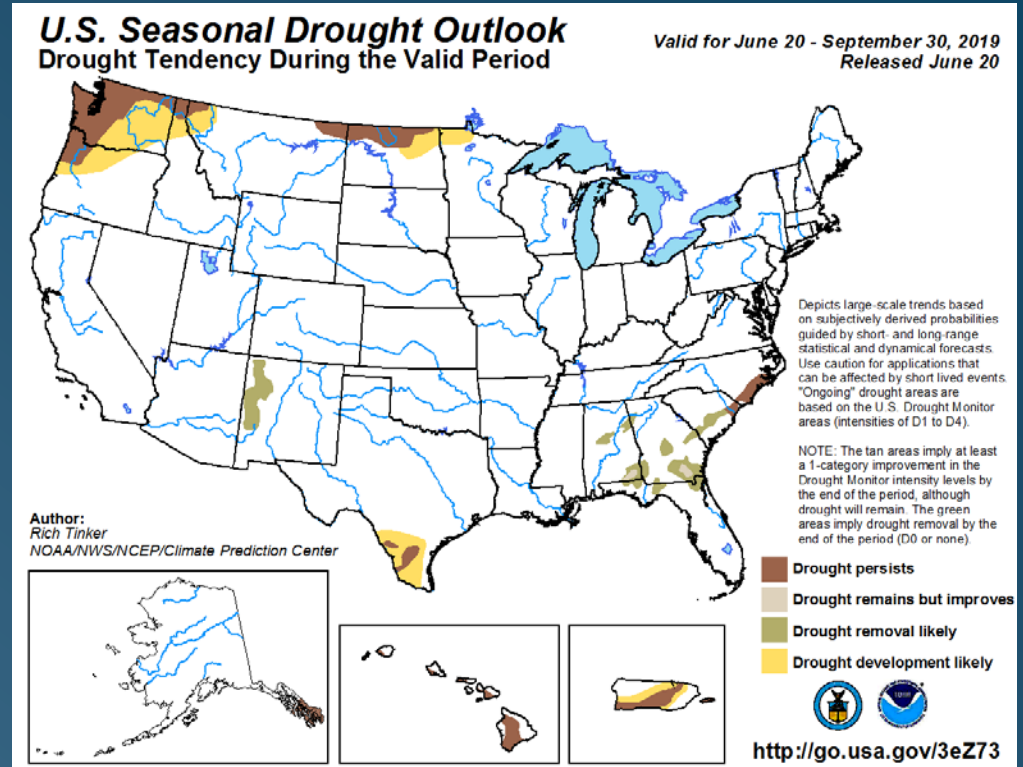
2019 Rental Summary

• C-BT	7,227 AF
• GLIC changed	90 AF
• GLIC unchanged	2,255 AF
• WSSC	450 AF
• NPIC	207 AF
• HMR	4,200 AF
• Leasebacks	
- WSSC	1,808 AF
- GLIC	8,345 AF
- L&W	614 AF
- New Cache	488 AF

25,684 AF

Recommendations

- “Adequate Water Year” Continues
- Maintain target storage volume at 20,000 AF



WATER & SEWER BOARD AGENDA JULY 17, 2019

ENCLOSURE X NO ENCLOSURE

ITEM NUMBER: 13

TITLE: WATER COURT UPDATE – Q2

RECOMMENDATION: INFORMATION ONLY

ADDITIONAL INFORMATION:

This item intends to update the Board on the current status of Greeley's Water Court cases including statements of opposition and cases where Greeley is the applicant or will soon be filing an application for change of water rights, as well as a summary of the Water Resources Division's legal costs.



Water & Sewer Department

MEMORANDUM

TO: Greeley Water & Sewer Board
FROM: Jen Petrzelka, Water Rights Manager/Water Resources Operations Manager
DATE: July 1, 2019
RE: 2nd Quarter Water Court Cases Update

This memorandum is a review of the Water and Sewer Department's legal activities from April of 2019 through June of 2019. The review includes an update on Greeley's current Water Court cases and a summary of the Water Resources Division's legal expenses.

STATEMENTS OF OPPOSITION

Since the last update in April, Greeley has filed six statements of opposition and stipulated to three cases. Therefore, the current number of pending Water Court cases where Greeley is an opposer is 21.

Statements of Opposition filed:

- 19CW3059 (North Weld and ELCO's River Bluffs Reservoir)
- 19CW3016 (ECCV, ACWWA, United) (Dismissed by Applicants)
- 19CW3019 (Fort Collins-Loveland Water District quantification of muni return flows)
- 19CW3073 (United and South Weld Holdings augmentation plan)
- 19CW3074 (ACWWA augmentation plan)
- 19CW3075 (ECCV augmentation plan)

GREELEY AS APPLICANT

A summary of Greeley's pending and proposed Water Court cases where Greeley is or will be the applicant is as follows:

17CW3020 Leprino

Greeley and Leprino Foods, Inc. ("Leprino") filed an application for quantification of reusable return flows and appropriative rights of substitution and exchange on February 2017. Statements of Opposition were filed by fifteen parties. Of those parties, all have stipulated except for the Central Colorado Water Conservancy District. Greeley and Leprino are meeting with Central to

SERVING OUR COMMUNITY • IT'S A TRADITION

We promise to preserve and improve the quality of life for Greeley through timely, courteous and cost-effective service.

determine whether its concerns can be addressed. This case is now on a trial track with a trial set for July 2020 and our expert disclosures due October 7, 2019.

Larimer & Weld Companies change case

Greeley owns 42 shares of the Larimer and Weld system between the Larimer Weld Irrigation Company, Larimer and Weld Reservoir Company and Windsor Reservoir and Canal Company. Greeley will need to change its shares first by completing the ditch company review process and then adjudicating the changes in water court before using the changed shares in Greeley's system. Greeley and the Companies entered into a cost reimbursement agreement in November 2016 and are cooperating to review the L&W records in anticipation of a future change case. We have started working on a draft engineering report and have met with the Company twice over the past year to discuss each other's operations and strategize ways we can work toward mutually beneficial outcomes.

18CW3016 (Application to make absolute, and for reasonable diligence, for 06CW258 Tunnel Water Company conditional exchange water rights)

In January 2018 Greeley filed its application for a finding of reasonable diligence for a conditional exchange, including storage, of its Tunnel Water Company rights decreed in Case No. 06CW258. Greeley owns 7% of the Tunnel Water Company, which is a transbasin supply entering the Poudre River from the Laramie River Basin. In this diligence application, Greeley sought a determination that a portion of the exchange from the Tunnel to Milton-Seaman Reservoir has been made absolute in the amount of 13.56 cfs. The water court granted the application, and a decree was entered in this case on June 24, 2019. The conditional portion of the water right is continued through June, 2025.

LEGAL & ENGINEERING EXPENSES:

The Water Resource Division's outside legal and engineering expenses through June of 2019 totaled \$147,709 which is 25% of the \$579,725 total spent in 2018.

2019 Water Resources Legal and Engineering Costs

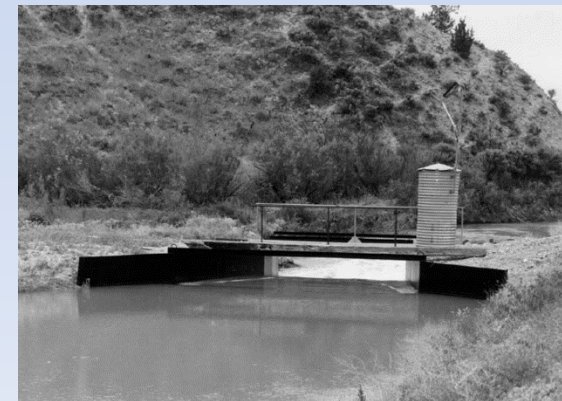
<u>1st quarter</u>	
Legal	\$39,757
Engineering	\$18,564
<i>Total</i>	\$58,320
<u>2nd quarter</u>	
Legal	\$56,819
Engineering	\$32,570
<i>Total</i>	\$89,389
<u>3rd quarter</u>	
Legal	\$0
Engineering	\$0
<i>Total</i>	\$0
<u>4th quarter</u>	
Legal	\$0
Engineering	\$0
<i>Total</i>	\$0
<i>Annual Total</i>	<i>\$147,709</i>



Water Court Cases Update

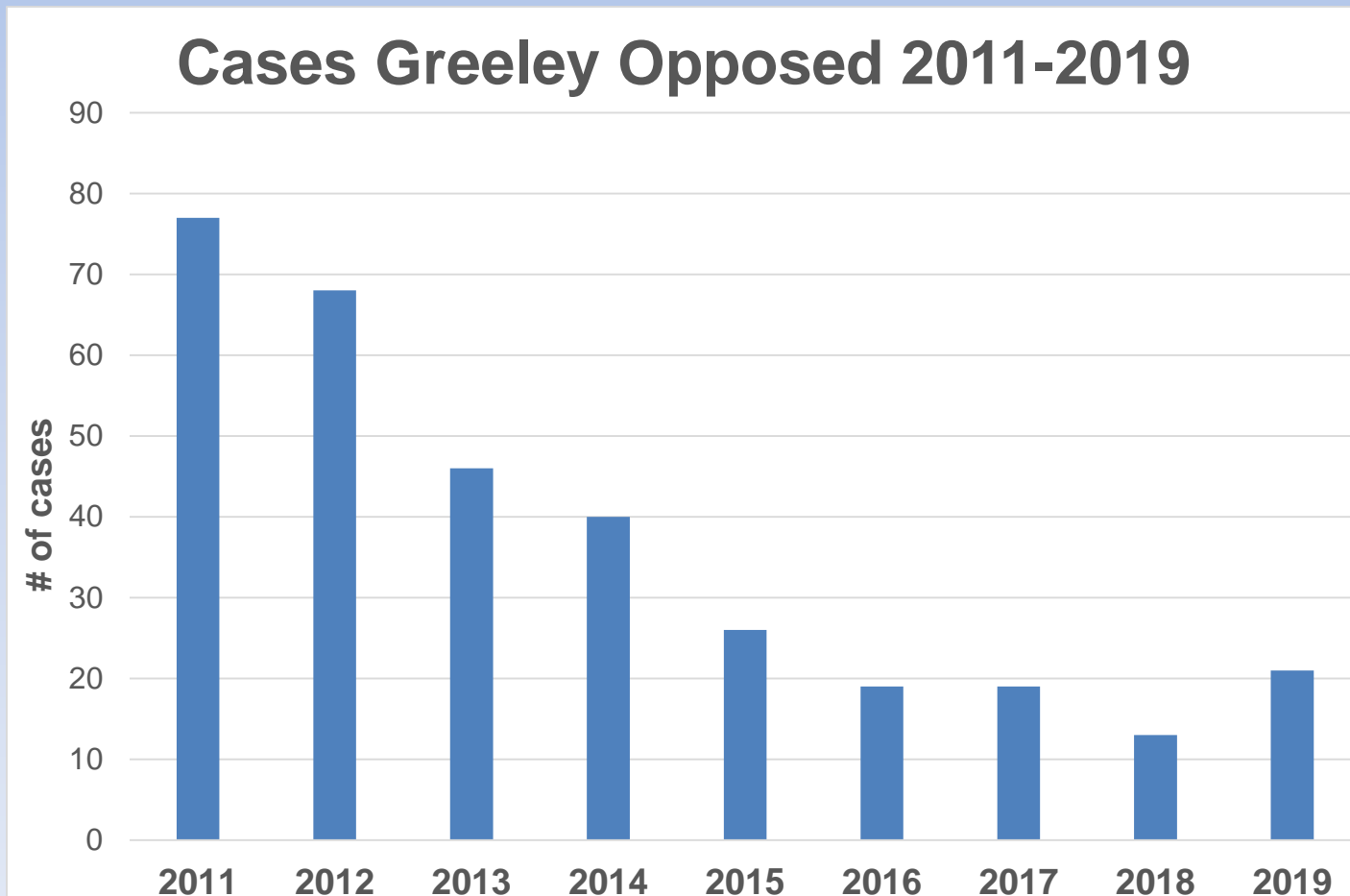
Jen Petrzelka, Water Rights Manager

July 17, 2019



Statements of Opposition

- Since January filed 6 SOO, 3 stipulations
- Number of cases Greeley is an opposer: 21
- Up 3 cases from beginning of year



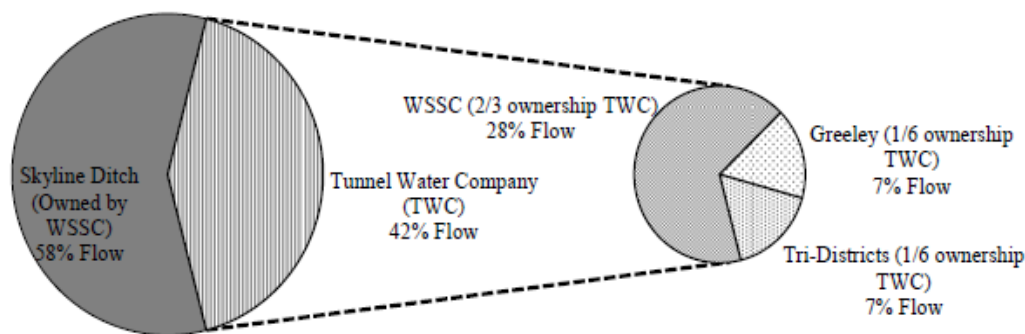
Greeley as Applicant

- ***Leprino (17CW3020)***
 - Quantification of reusable dairy bi-product water and appropriative rights of substitution and exchange
 - 14 opposers, 1 entry of appearance
 - 13 opposers stipulated
 - Working with Leprino on next steps
 - Trial set for July 2020
 - Expert disclosures due December 9th
- ***Larimer & Weld Change Case***
 - Entered into a Cost Reimbursement Agreement (2016)
 - Cooperating to obtain and review records
 - Preparing draft engineering report

Greeley as Applicant

- ***Tunnel Water Company diligence for Case No. 06CW258 (18CW3016)***
 - Greeley owns 1/6 of company or 7% flows (~900 AF)
 - Seeking absolute exchange of 13 cfs (cond.=36 cfs)
 - **Final decree entered June 24, 2019**

Laramie River Flows through Tunnel



Legal & Engineering Expenses

2019 Costs to date

Legal	\$ 96,576
Engineering	\$ 51,134
Total	\$ 147,709

This is 25% of the \$579,725 spent in 2018

Questions?

WATER & SEWER BOARD AGENDA JULY 17, 2019

ENCLOSURE X NO ENCLOSURE

ITEM NUMBER: 14

TITLE: LEGAL REPORT

POSSIBLE ACTION: STATEMENTS OF OPPOSITION, IF ANY

RECOMMENDATION: INFORMATION ONLY

ADDITIONAL INFORMATION:

I. **Statements of Opposition:**

- a. **19CW3084: ACWWA, ECCV, United W&S District, 70 Ranch:** Application for change of water rights in the Lower Latham Ditch for use in the applicants' augmentation plans, recharge projects, exchanges, and for replacement of historical return flow obligations, storage and all municipal uses. The point of diversion for these water rights is on the South Platte River, in the reach between the confluence of the Poudre and the confluence of the Big Thompson River. This is within one of Greeley's exchange reaches. We recommend that Greeley file a statement of opposition to ensure proper quantification and terms and conditions that will protect Greeley's exchanges and its water rights located downstream of the point of diversion for the water rights.
- b. **19CW3088: Central Colorado Water Conservancy District:** Application for conditional storage water right in the amount of 1,800 acre-feet, with right of refill. The points of diversion for this water right are the Plumb Ditch, and two pump stations, located on the South Platte River, in the reach between the confluence of the Poudre and the confluence of the Big Thompson River. This is within one of Greeley's exchange reaches. We recommend that Greeley file a statement of opposition to ensure proper terms and conditions that will protect Greeley's exchanges and its water rights located downstream of the points of diversion for the reservoir.

- II. **Proposed Motion Language:** "I move that the Board authorize the filing of statements of opposition in Case Nos. 19CW3084 and 19CW3088, and for staff and legal counsel to seek resolution of issues raised by these cases consistent with Water and Sewer Board Resolution No. 3-15."

WATER & SEWER BOARD AGENDA JULY 17, 2019

ENCLOSURE X

NO ENCLOSURE _____

ITEM NUMBER: 15

TITLE: DIRECTOR'S REPORT

RECOMMENDATION: INFORMATIONAL ONLY

ADDITIONAL INFORMATION:

- Colorado Water Congress
- Board and Council Tour – August 23rd
- Citizen Tour – July 26th d
- Coalition for the Poudre River Watershed – tours 8/26 or 9/15

Colorado water community:

This is just a quick update on the 2019 Colorado Water Congress Summer Conference and Membership Meeting that will be held on Tuesday, August 20 to Thursday, August 22 in Steamboat Springs. We are very pleased how the conference program is turning out! The draft conference description and timeline are now posted on our website at [CWC Summer Conference](#).

This Summer Conference reflects the first steps toward implementing the strategic direction for our organization. Over the past few weeks, the Colorado Water Congress Board has spent more than 15 hours in a series of discussions to work on the overall vision for the organization, prioritize goals, and set objectives for 2020.

We are now in a new office, have new staff, and are investing in new communication/advocacy tools. Over the course of the summer and especially at the conference, you will hear and experience much more about how the Water Congress is evolving. If you can't tell yet, we are really upbeat about the future!

Best regards,
Doug

Doug Kemper | Executive Director

Colorado Water Congress

DKemper@cowatercongress.org | cowatercongress.org

O: [303-837-0812](tel:303-837-0812), ext. 1 | C: [303-808-3377](tel:303-808-3377)

Jennifer Petrzelka

To: Jennifer Petrzelka (jennifer.petrzelka@gmail.com)
Subject: RE: local leaders watershed tour

From: Jennifer Kovecses <jenk@poudrewatershed.org>

Sent: Thursday, July 11, 2019 9:58 AM

To: Richard Thorp <rthorp@fcgov.com>; Carol Webb <CWEBB@fcgov.com>; Jill Oropeza <joropeza@fcgov.com>; Keith Stagg <kstagg@northernwater.org>; Jennifer Petrzelka <Jennifer.Petrzelka@greeleygov.com>

Subject: local leaders watershed tour

Hi

I have been plugging away at pulling together that watershed tour for local leaders and have narrowed down a few prospective dates:
8/26 & 9/18, (~12 to ~5).

I have started lining up speakers - but before I get too far down the line organizing this I wanted to check in to make sure that these dates seem reasonable and do not interfere with any other key events or meetings.

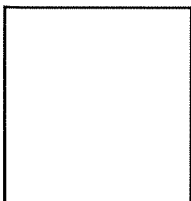
If these seem like reasonable dates, then if you could send me a contact list of people you would like invited, that would be great.

In the meantime, I will continue to work on fleshing out an itinerary.

Thanks

Jen

Jennifer Kovecses
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WATER & SEWER BOARD AGENDA JULY 17, 2019

ENCLOSURE _____

NO ENCLOSURE X

ITEM NUMBER: 16

TITLE: EXECUTIVE SESSION

RECOMMENDATION: INFORMATION ONLY

ADDITIONAL INFORMATION:

- Matters Related to Potential Acquisition of Water Storage

WATER & SEWER BOARD AGENDA JULY 17, 2019

ENCLOSURE _____ NO ENCLOSURE X

ITEM NUMBER: 17

TITLE: SUCH OTHER BUSINESS THAT MAY BE
 BROUGHT BEFORE THE BOARD AND
 ADDED TO THIS AGENDA BY MOTION OF
 THE BOARD

RECOMMENDATION: TO BE DETERMINED

ADDITIONAL INFORMATION: