



REGULAR MEETING AGENDA

CALL TO ORDER

NEW EMPLOYEE INTRODUCTIONS

- Frank Lindauer – Senior Electrical Engineer
- William Ullom – Distribution Design Supervisor
- Yarani Vasquez – Electrical Engineer

APPROVAL OF MINUTES – 3/20/2019

CITIZENS REPORT (*See procedural instructions on the following page.)

INFORMATIONAL ITEMS

1. Electric Legislative Update – Kim O’Field
2. Water Legislative Update – Ryan Van Pelt
3. Water Supply Update – Ryan Van Pelt

REGULAR AGENDA

4. 2019 Power Cost-of-Service Rate Study Direction – Jim Lees
5. Proposed 10-Year Capital Improvement Plans – Jim Lees

STAFF REPORTS

6. Augmentation Water Policies – Larry Howard
7. Quarterly Financial Report Update – Jim Lees

COMMISSION & COUNCIL REPORTS

DIRECTOR’S REPORT

ADJOURN

*** Citizens Report Procedures**

Anyone in the audience may address the LUC on any topic relevant to the commission. If the topic is a Consent Agenda item, please ask for that item to be removed from the Consent Agenda; pulled items will be heard at the beginning of the Regular Agenda. If the topic is a Regular Agenda item, members of the public will be given an opportunity to speak to the item during the Regular Agenda portion of the meeting before the LUC acts upon it. If the topic is a Staff Report item, members of the public should address the LUC during this portion of the meeting; no public comment is accepted during the Staff Report portion of the meeting.

Anyone making comment during any portion of tonight's meeting should identify himself or herself and be recognized by the LUC chairman. Please do not interrupt other speakers. Side conversations should be moved outside the Service Center Board Room. Please limit comments to no more than three minutes.

Notice of Non-Discrimination

The City of Loveland is committed to providing an equal opportunity for services, programs and activities and does not discriminate on the basis of disability, race, age, color, national origin, religion, sexual orientation or gender. For more information on non-discrimination or for translation assistance, please contact the City's Title VI Coordinator at TitleSix@cityofloveland.org or 970-962-2372. The City will make reasonable accommodations for citizens in accordance with the Americans with Disabilities Act (ADA). For more information on ADA or accommodations, please contact the City's ADA Coordinator at adacoordinator@cityofloveland.org or 970-962-3319.

Notificación en Contra de la Discriminación

“La Ciudad de Loveland está comprometida a proporcionar igualdad de oportunidades para los servicios, programas y actividades y no discriminar en base a discapacidad, raza, edad, color, origen nacional, religión, orientación sexual o género. Para más información sobre la no discriminación o para asistencia en traducción, favor contacte al Coordinador Título VI de la Ciudad al TitleSix@cityofloveland.org o al 970-962-2372. La Ciudad realizará las acomodaciones razonables para los ciudadanos de acuerdo con la Ley de Discapacidades para americanos (ADA). Para más información sobre ADA o acomodaciones, favor contacte al Coordinador de ADA de la Ciudad en adacoordinator@cityofloveland.org o al 970-962-3319”.

Commission Members Present: Dan Herlihey, Gary Hausman (Chair), Gene Packer, Larry Roos, John Butler, Randy Williams, Tom Vail

Commission Members Absent: Sean Cronin, Stephanie Fancher-English

Council Liaison: Steve Olson

City Staff Members Present: Andrew Paranto, Brieana Reed-Harmel, Christine Schraeder, Courtney Whittet, Derek Turner, Frank Lindauer, Jim Lees, Joe Bernosky, Joyce Robinson, Kim O'Field, Larry Howard, Matthew Elliot, Nathan Alburn, Roger Berg, Ryan Van Pelt, Steve Adams, Tracey Hewson

Guest Attendance: Allen Villavicencio, Brandon Effland, Dick Mallott, Bruce Croissant, Jane Klevenger, Rick Euker

CALL TO ORDER: Gary Hausman called the meeting to order at 4:00 pm.

NEW EMPLOYEE INTRODUCTION

Andrew Paranto – Electrical Engineer

APPROVAL OF MINUTES: Hausman asked for a motion to approve the minutes of the February 20, 2019 meeting.

Motion: Dan Herlihey made the motion to approve the minutes with corrected date in title bar.

Second: John Butler seconded the motion. The minutes were approved unanimously.

LUC LIAISONS FOR AD-HOC COMMITTEES

Rate Study Committee – John Butler, Gene Packer and ~~Larry Roos~~

Budget Committee – Tom Vail, Larry Roos and ~~Gary Hausman~~

*Per legal after the meeting, any meeting with 3 or more commissioners is considered a public meeting, therefore each committee will be limited to only 2 commission liaisons.

CITIZENS REPORT

Rick Euker – Voiced his objections to the current solar rate structure. Joe Bernosky responded that Water & Power will be presenting 3 options for self-generation rate structure to LUC next month.

INFORMATION ITEMS

Item 1: Financial Report Update – Jim Lees

This item summarizes the monthly and year-to date financials for February 2019.

Information Item only. No action required.

Item 2: Electric Legislative Update – Kim O'Field

This item and the attachment are intended to give a brief update on electric-related legislation at both the state and federal level. Loveland Water and Power works closely with Platte River Power Authority (PRPA) and its sister cities but relies primarily on the Colorado Association of Municipal Utilities (CAMU) for information on electric-related legislation.

Information Item only. No action required.

Item 3: Water Legislative Update – Ryan Van Pelt

This item is intended to give a brief update on water-related legislation being contemplated by the Colorado General Assembly. Loveland Water and Power relies primarily on the Colorado Water Congress (CWC) for information on water-related legislation.

Information Item only. No action required.

Item 4: Water Supply Update – Ryan Van Pelt

Raw water supply update.

Information Item only. No action required.

REGULAR AGENDA

Item 6: Proposed Long-Term Augmentation Lease with Crystal Mountain Ranch – Ryan Van Pelt

(Moved up on the Agenda to accommodate representatives from Crystal Mountain Ranch)

The owners of Crystal Mountain Ranch have approached the City of Loveland with a request for the City to provide a long-term augmentation supply to cover the evaporative depletions from two ponds and the consumptive use from irrigated pasture grass.

Recommendation: Adopt a motion to reject the proposal from Crystal Mountain Ranch for a permanent augmentation supply from the City of Loveland.

Brandon Effland gave a brief rebuttal as to why the city should participate in long-term augmentation supply to Crystal Mountain Ranch. Derek Turner advised, that since this particular agreement would setting a policy precedent due to the nexus to the city, he would like the LUC to give direction and ultimately the City Council would have to approve the agreement.

This item was withdrawn to explore the policy implications and working out additional details of the agreement.

Item 5: Acceptance of One Share of Louden Ditch into the Water Bank – Nathan Alburn

This item is an application to deposit one (1) share of Louden Irrigating Canal and Reservoir Company into the City's Water Bank.

Recommendation: Adopt a motion finding that the requirements of City Municipal Code Section 19.04.080 have been met and that acceptance into the City of Loveland Water Bank of the one (1) share, originating from Stock Certificate No. 3902, of Louden Irrigating Canal and Reservoir Company is in the best interests of the City of Loveland and is hereby approved.

Motion: Dan Herlihey made the motion to approve the item.

Second: Gene Packer seconded the motion. The item was approved unanimously.

Item 7: Proposed Modifications to the Platte River Power Authority (PRPA) Organic Contract and Power Supply Agreement – Joseph Bernosky

The Platte River Power Authority was formed in 1975 by an Organic Contract between the four owner cities of Estes Park, Ft. Collins, Longmont, and Loveland. PRPA staff is proposing changes to the Organic Contract and Power Supply Agreement(s) (PSAs) as described below.

Recommendation: Adopt a motion recommending that City Council approve the proposed changes to the Organic Contract and Power Supply Agreement between the City of Loveland and the Platte River Power Authority.

Motion: Dan Herlihey made the motion to approve the item.

Second: Gene Packer seconded the motion. The item was approved unanimously.

STAFF REPORTS

Item 9 moved ahead of Item 8: City Manager Steve Adams suggested Joyce Robinson present first as his presentation will take longer.

Item 9: City Budget Dashboard – Joyce Robinson

Finance Accounting Manager, Joyce Robinson will give a brief presentation on the City's Budget Dashboard.

Staff Report only. No action required.

Item 8: Boards & Commissions Survey Results – Steve Adams

A brief presentation on the results from the Boards & Commissions Survey.

Staff Report only. No action required.

COMMISSION/COUNCIL REPORTS

Item 10: Commission/Council Reports

Discuss events that the Loveland Utility Commission Board members attended, special topics and any City Council items related to the Water and Power Department from the past month.

Dan Herlihey:

Gene Packer: Received survey regarding the 1-cent tax rate increase, 22nd and Taft is a dangerous intersection. Also noted that facility managers at Chilson stated the new rec center might be under sized for the use.

Gary Hausman:

John Butler:

Larry Roos: Asked if the N. Boyd Lake Ave condos about 1.5 miles north of Hwy 34, is that within our service area. Water & Power only serve sewer at that location. He had received complaints about water rates increasing, he will pass along that it is not Loveland Water & Power.

Randy Williams:

Sean Cronin: Absent

Stephanie Fancher-English: Absent

Tom Vail:

Council Report: Trip to Washington DC with National League of Cities in conjunction with the Colorado Municipal League. They did a fun exercise using Legos where there was a large fire and they had to rebuild the city taking into consideration homeless, affordable housing, and the developer maximizing profit. Met with Senator Gardner and Congressman Neguse to discuss several issues facing Colorado Municipalities such as: establishing municipal broadband, water storage issues, workforce development, affordable housing, alternative energy resources, homelessness, and small cell wireless.

DIRECTOR'S REPORT

Item 8: Director's Report – Joe Bernosky



ADJOURN The meeting was adjourned at 5:59 pm. The next LUC Meeting will be February 20, 2019 at 4:00 pm.

Respectfully submitted,

Courtney Whittet
Recording Secretary
Loveland Utilities Commission



ITEM TITLE:

Electric Legislative Update

DESCRIPTION:

This item and the attachment are intended to give a brief update on electric-related legislation at both the state and federal level. Loveland Water and Power works closely with Platte River Power Authority (PRPA) and its sister cities but relies primarily on the Colorado Association of Municipal Utilities (CAMU) for information on electric-related legislation.

SUMMARY:

State Update:

Please see Attachment A for the Legislative Tracking Sheet of current state bills.

RECOMMENDATION:

Information item only. No action required.

ATTACHMENTS:

-  Attachment A: Legislative Tracking Sheet

Attachment A

Colorado Association of Municipal Utilities 2019 State Legislative Tracking Sheet

HB19-1003

Community Solar Gardens Modernization Act

Comment: **Municipal utilities are currently exempted from this section of statute. CAMU will monitor to protect exemption language.**

Position: **Monitor**

Short Title: Community Solar Gardens Modernization Act

Sponsors: C. Hansen | A. Valdez / M. Foote | T. Story

Summary: Increasing the maximum size of a CSG from 2 megawatts to 10 megawatts.

Status: 1/4/2019 Introduced In House - Assigned to Energy & Environment
1/17/2019 House Committee on Energy & Environment Refer Amended to Appropriations
2/28/2019 House Committee on Appropriations Refer Amended to House Committee of the Whole
3/1/2019 House Second Reading Laid Over Daily - No Amendments
3/5/2019 House Second Reading Laid Over to 03/08/2019 - No Amendments
3/15/2019 House Second Reading Re-referred to Appropriations - No Amendments
3/29/2019 House Second Reading Special Order - Passed with Amendments - Committee, Floor
4/1/2019 House Third Reading Passed - No Amendments
4/3/2019 Introduced In Senate - Assigned to Transportation & Energy

Amendments: [Amendments](#)

Bill Version: Pre-Amended

HB19-1037

Colorado Energy Impact Assistance Act

Comment:

Position: **Monitor**

Short Title: Colorado Energy Impact Assistance Act

Sponsors: C. Hansen | D. Esgar / K. Donovan

Summary: The bill authorizes any electric utility (utility) to apply to the public utilities commission (PUC) for a financing order that will authorize the utility to issue low-cost Colorado energy impact assistance bonds (bonds) to lower the cost to electric utility customers (ratepayers) when the retirement of a power plant occurs.

Status: 1/4/2019 Introduced In House - Assigned to Energy & Environment
2/11/2019 House Committee on Energy & Environment Refer Amended to House Committee of the Whole
2/14/2019 House Second Reading Laid Over Daily - No Amendments
2/25/2019 House Second Reading Laid Over to 02/27/2019 - No Amendments

2/26/2019 House Second Reading Laid Over to 02/28/2019 - No Amendments
2/28/2019 House Second Reading Passed with Amendments - Committee,
Floor
3/1/2019 House Third Reading Laid Over Daily - No Amendments
3/4/2019 House Third Reading Passed - No Amendments
3/7/2019 Introduced In Senate - Assigned to Agriculture & Natural Resources

Amendments: [Amendments](#)

Bill Version: Pre-Amended

HB19-1087**Local Public Meeting Notices Posted On Website**

Comment: **CML to Monitor. Working on an amendment to make the language permissive.**

Position: **Monitor**

Short Title: Local Public Meeting Notices Posted On Website

Sponsors: M. Soper | C. Hansen / R. Woodward | J. Bridges

Summary: Requires a local government to post notices of public meetings required by the state open meetings law on the local government's website.

Status: 1/14/2019 Introduced In House - Assigned to Transportation & Local Government
3/19/2019 House Committee on Transportation & Local Government Refer Amended to House Committee of the Whole
3/21/2019 House Second Reading Passed with Amendments - Committee
3/22/2019 House Third Reading Passed - No Amendments
3/25/2019 Introduced In Senate - Assigned to Local Government
4/2/2019 Senate Committee on Local Government Refer Unamended - Consent Calendar to Senate Committee of the Whole
4/5/2019 Senate Second Reading Passed - No Amendments
4/8/2019 Senate Third Reading Passed - No Amendments

Amendments: [Amendments](#)

Bill Version: Pre-Amended

HB19-1096**Colorado Right To Rest**

Comment: **The definition of "public space" includes municipal utility facilities. Working with CML to oppose or amend the bill to refine this overly-broad definition.**

Position: **Monitor**

Short Title: Colorado Right To Rest

Sponsors: J. Melton

Summary: Establishes basic rights for people experiencing homelessness, including but not limited to the right to rest in public spaces, to shelter themselves from the elements, to occupy a legally parked vehicle, and to have a reasonable expectation of privacy of their property

Status: 1/14/2019 Introduced In House - Assigned to Transportation & Local

Government
2/26/2019 House Committee on Transportation & Local Government Postpone
Indefinitely

Amendments:

Bill Version: Introduced

HB19-1159 **Modify Innovative Motor Vehicle Income Tax Credits**

Comment:

Position: **Monitor**

Short Title: Modify Innovative Motor Vehicle Income Tax Credits

Sponsors: S. Jaquez Lewis | M. Gray / J. Danielson

Summary: Modifies the amounts of and extends the number of available years of the existing income tax credits for the purchase or lease of an electric motor vehicle, a plug-in hybrid electric motor vehicle, and an original equipment manufacturer electric truck and plug-in hybrid electric truck.

Status: 1/29/2019 Introduced In House - Assigned to Energy & Environment + Finance
2/25/2019 House Committee on Energy & Environment Refer Unamended to Finance
3/11/2019 House Committee on Finance Refer Amended to Appropriations

Amendments: [Amendments](#)

Bill Version: Pre-Amended

HB19-1179 **Public Fund Investments**

Comment:

Position: **Monitor**

Short Title: Public Fund Investments

Sponsors: M. Gray / P. Lee

Summary: The bill defines nationally recognized statistical rating organizations and negotiable certificate of deposit.

The bill also modifies statutes governing the legal investments of public funds as follows:

- ★
- ★ Modifies and standardizes the credit rating requirements for securities invested in by public entities;
- ★
- ★ Clarifies that negotiable certificates of deposit are a legal investment and not deposits subject to the limitation of the "Public Deposit Protection Act";
- ★ Requires money market funds invested in by public funds to have an investment policy or objective which seeks to maintain a stable net asset

value of one dollar per share;

★ Includes the secured overnight financing rate, the federal funds rate, or other reference rates which are similar to the United States dollar London interbank offer rate, the secured overnight financing rate, and the federal funds rate as permissible reference rates; and

★ Allows public entities to invest in local government investment pools.

(Note: This summary applies to the reengrossed version of this bill as introduced in the second house.)

Status: 2/14/2019 Introduced In House - Assigned to Finance
3/14/2019 House Committee on Finance Refer Amended to House Committee of the Whole
3/19/2019 House Second Reading Passed with Amendments - Committee
3/20/2019 House Third Reading Passed - No Amendments
3/26/2019 Introduced In Senate - Assigned to Finance

Amendments: [Amendments](#)

Bill Version: Pre-Amended

HB19-1188

Greenhouse Gas Pollution Impact In Fiscal Notes

Comment:

Position: **Monitor**

Short Title: Greenhouse Gas Pollution Impact In Fiscal Notes

Sponsors: E. Sirota | M. Snyder / M. Foote

Summary: Beginning in 2020, the bill requires fiscal notes on legislative measures to include an assessment of whether the measure is likely to directly cause a net increase or decrease in greenhouse gas pollution in the 10-year period following its enactment. The assessment must consider new sources of emissions, increases or decreases in existing sources of emissions, and any impact on sequestration of emissions. The fiscal note is not required to estimate the magnitude of the impact. The director of research of the legislative council staff is required to develop policies and procedures for completing the assessment. The department of natural resources, the Colorado energy office, and other state agencies with relevant subject matter expertise are required to cooperate with and provide information, if requested, to develop the policies and procedures for the assessment and to provide information to the legislative council staff on a legislative measure's impact on greenhouse gas pollution in connection with the preparation of a fiscal note.
(Note: This summary applies to this bill as introduced.)

Status: 2/19/2019 Introduced In House - Assigned to Energy & Environment + Appropriations
3/4/2019 House Committee on Energy & Environment Refer Unamended to Appropriations

Amendments:

Bill Version: Introduced

Comment:**Position:** **Monitor****Short Title:** Electric Vehicle Grant Fund**Sponsors:** A. Valdez | D. Valdez / J. Bridges | K. Priola**Summary:** The bill modifies the statute governing the electric vehicle grant fund (fund) as follows:

- ★ Allows the fund to be used to administer grants for the installation of charging stations for electric vehicles;
- ★ Allows the fund to prioritize the grants it will provide based on criteria defined by the Colorado energy office;
- ★ Allows the fund to be used to fully fund the installation of charging stations and offset station operating costs; and
- ★ Requires the money in the fund to be continuously appropriated to the Colorado energy office.

(Note: This summary applies to the reengrossed version of this bill as introduced in the second house.)

Status:

2/20/2019 Introduced In House - Assigned to Energy & Environment + Appropriations
3/4/2019 House Committee on Energy & Environment Refer Unamended to House Committee of the Whole
3/7/2019 House Second Reading Passed - No Amendments
3/8/2019 House Third Reading Passed - No Amendments
3/11/2019 Introduced In Senate - Assigned to Transportation & Energy
3/26/2019 Senate Committee on Transportation & Energy Refer Unamended to Senate Committee of the Whole
3/29/2019 Senate Second Reading Passed - No Amendments
4/1/2019 Senate Third Reading Passed - No Amendments

Amendments:**Bill Version:** Rerevised**Comment:****Position:** **Monitor****Short Title:** Colorado Clean Pass Act**Sponsors:** A. Valdez / B. Pettersen | F. Winter**Summary:** On and after July 1, 2022, the bill requires the high-performance transportation enterprise (HPTE) to impose an express lane access fee (access fee) in a specified amount annually at the time of registration of any eligible plug-in electric motor vehicle that weighs 19,500 pounds or less, that is certified as being qualified for the federal plug-in electric drive motor vehicle tax credit or

can be recharged from an external source of electricity and that stores electricity in a rechargeable battery that propels or contributes to the propulsion of the vehicle's drive wheels if the owner of the vehicle chooses to pay the access fee in exchange for the right to operate the vehicle on express lanes without regard to the number of persons in the vehicle for free on any express lane that is a high occupancy vehicle lane and for a reduced toll on any express lane that is a toll lane or a high occupancy toll lane. HPTE is not authorized to impose the access fee upon the registration of a vehicle registered for a registration period beginning on or after July 1, 2020, but before July 1, 2022, but, upon the registration of a vehicle for such a registration period, the owner of an eligible plug-in electric motor vehicle may choose to apply for the right to operate the vehicle for free on any express lane that is a high occupancy vehicle lane without regard to the number of persons in the vehicle and for a reduced toll on any express lane that is a toll lane or a high occupancy toll lane.

A plug-in electric motor vehicle is an "eligible plug-in electric motor vehicle" if it is being registered for its 1st, 2nd, or 3rd registration period under the ownership of the same owner and if making the vehicle eligible would not cause the total number of eligible vehicles to exceed a specified cap that increases annually for 5 years until reaching a permanent maximum amount. "Express lane" is defined to include any high occupancy vehicle lane, toll lane, or high occupancy toll lane that HPTE, a private partner of HPTE, or HPTE in conjunction with a private partner of HPTE or the department of transportation (CDOT) operates and maintains or that HPTE designates as an express lane, which currently includes:

- ★ Operating express lanes on Interstate Highway 25 between downtown Denver and 120th Avenue, on Interstate Highway 70 between Idaho Springs and Empire, and on U.S. Highway 36 between Denver and Boulder; and
- ★ Planned express lanes on: (1) Interstate Highway 25 between 120th Avenue and State Highway E-470, Johnstown and Fort Collins, and Monument and Castle Rock; (2) Interstate Highway 70 between Interstate Highway 25 and Chambers Road; and (3) State Highway C-470 between Interstate Highway 25 and Wadsworth Boulevard.

Each county clerk and recorder, acting as an authorized agent of the department of revenue, is required to collect the access fee, and access fee revenue is credited to the statewide transportation enterprise special revenue fund for use by HPTE. The owner of an eligible plug-in electric motor vehicle may choose not to pay the access fee, but must pay the fee to be authorized to operate the vehicle for free on any express lane that is a high occupancy vehicle lane and for a reduced toll on any express lane that is a toll lane or a high occupancy toll lane, without regard to the number of persons in the vehicle. If the free or reduced toll use of express lanes by eligible plug-in electric motor vehicles is determined to cause a decrease in the level of service for other bona fide users of the express lanes so that CDOT or HPTE is violating or will violate within the next 3 months contractual level of service guarantees or will be unable to satisfy debt service coverage requirements, then CDOT may restrict or eliminate free and reduced toll use of the express lanes by eligible plug-in electric motor vehicles for as long as the violation or inability is expected to continue. CDOT is required to report annually during its "State Measurement for Accountable, Responsive, and Transparent (SMART) Government Act" hearing regarding the actual and projected free and reduced toll use of express

lanes by eligible plug-in electric vehicles and any actions that it has taken or expects to take to restrict, limit, or restore such use.

The existing authorization for a limited number of inherently low-emission vehicles or hybrid vehicles to use express lanes without regard to the number of persons in the vehicle and without paying a toll expires for each participating vehicle on the date of the first registration of the vehicle for a registration period that begins on or after July 1, 2022.

The department of revenue and CDOT are required to coordinate to establish electronic processes that:

- ★ Automatically notify HPTE and, if deemed necessary by HPTE, any private partner of HPTE that operates an express lane, when the owner of a plug-in electric motor vehicle pays the access fee so that HPTE, directly or through its private partners, can successfully administer and enforce the conditions of access for eligible plug-in electric motor vehicles to express lanes; and
- ★ Automatically notify each authorized agent when the access fee can or cannot be collected in accordance with the limitation on the number of eligible plug-in electric motor vehicles.

CDOT is authorized to promulgate administrative rules to ensure proper implementation, administration, and enforcement of the conditions of access for eligible plug-in electric motor vehicles to express lanes.

(Note: This summary applies to this bill as introduced.)

Status: 2/20/2019 Introduced In House - Assigned to Energy & Environment + Appropriations
3/4/2019 House Committee on Energy & Environment Refer Amended to Finance

Amendments: [Amendments](#)

Bill Version: Pre-Amended

HB19-1231 **New Appliance Energy And Water Efficiency Standards**

Comment:

Position: **Monitor**

Short Title: New Appliance Energy And Water Efficiency Standards

Sponsors: M. Froelich | C. Kipp / P. Lee | K. Priola

Summary: The bill updates and adopts standards for water efficiency and energy efficiency that apply to a list of consumer and commercial appliances and other products. The standards are based on state standards, federal Energy Star and WaterSense specifications, and industry standards in most cases or, where a standard is not incorporated by reference, the standard is specified by statute.

The standards apply to new products sold or installed in Colorado and are phased in over a period of 3 years, with general service lamps covered

beginning in 2020, air compressors and portable air conditioners covered beginning in 2022, and all other listed products covered beginning in 2021. The bill also keeps in place the water efficiency standards on certain products that were added to the Colorado statutes in 2014. The sale of a noncomplying product after the effective date of the applicable standard is defined as a deceptive trade practice under the "Colorado Consumer Protection Act".

The executive director of the department of public health and environment is directed to collect and publish the standards that are incorporated by reference. The executive director is also authorized, but not required, to adopt rules incorporating more recent versions of standards or test methods in order to maintain or improve consistency with other state or federal agency standards, subject to a one-year grace period between adoption and enforcement of any new or amended standards.

(Note: This summary applies to this bill as introduced.)

Status: 3/8/2019 Introduced In House - Assigned to Energy & Environment
3/25/2019 House Committee on Energy & Environment Refer Amended to House Committee of the Whole
3/28/2019 House Second Reading Laid Over Daily - No Amendments
3/29/2019 House Second Reading Laid Over to 04/01/2019 - No Amendments
4/2/2019 House Second Reading Special Order - Laid Over Daily - No Amendments
4/3/2019 House Second Reading Passed with Amendments - Committee, Floor
4/4/2019 House Third Reading Passed - No Amendments
4/5/2019 Introduced In Senate - Assigned to Transportation & Energy

Amendments: [Amendments](#)

Bill Version: Pre-Amended

HB19-1260 **Building Energy Codes**

Comment:

Position: **Monitor**

Short Title: Building Energy Codes

Sponsors: C. Kipp | A. Valdez / F. Winter | K. Priola

Summary: The bill requires local jurisdictions to adopt one of the 3 most recent versions of the international energy conservation code at a minimum, upon updating any other building code, and encourages local jurisdictions to update the Colorado energy office on any changes to the jurisdictions' building and energy codes.

(Note: This summary applies to this bill as introduced.)

Status: 3/20/2019 Introduced In House - Assigned to Energy & Environment

Amendments:

Bill Version: Introduced

Comment:**Position:** **Amend****Short Title:** Climate Action Plan To Reduce Pollution**Sponsors:** K. Becker | D. Jackson / F. Winter | A. Williams**Summary:** **Section 1** of the bill states that Colorado shall have statewide goals to reduce 2025 greenhouse gas emissions by at least 26%, 2030 greenhouse gas emissions by at least 50%, and 2050 greenhouse gas emissions by at least 90% of the levels of greenhouse gas emissions that existed in 2005.

Section 3 specifies considerations that the air quality control commission is to take into account in implementing policies and promulgating rules to reduce greenhouse gas pollution, including the benefits of compliance and the equitable distribution of those benefits, the costs of compliance, opportunities to incentivize clean energy in transitioning communities, and the potential to enhance the resilience of Colorado's communities and natural resources to climate impacts. The commission will consult with the public utilities commission with regard to rules that affect the providers of retail electricity in Colorado.

(Note: This summary applies to this bill as introduced.)

Status: 3/21/2019 Introduced In House - Assigned to Energy & Environment
4/5/2019 House Committee on Energy & Environment Refer Amended to Appropriations
4/9/2019 House Committee on Appropriations Refer Amended to House Committee of the Whole**Amendments:** [Amendments](#)**Bill Version:** Pre-Amended**Comment:****Position:** **Deliberating****Short Title:** Electric Utility Plans To Further Reduce Carbon Dioxide Emissions**Sponsors:** K. Becker / F. Winter**Summary:** **Section 1** of the bill repeals laws that allow an electric utility to own, as rate-based property, new eligible energy resources without competitive bidding if certain conditions are satisfied.

Section 2 supplements the existing renewable energy standards statute by establishing targets for the reduction of carbon dioxide emissions from electricity generation by utilities serving more than 500,000 customers, with the opportunity for other utilities to opt in. The targets are:

- ★ By 2030, an 80% reduction in carbon dioxide emission levels compared to 2005 levels; and
- ★ For 2050 and thereafter, a goal of a 100% reduction in carbon dioxide emission levels.

Section 2 also directs qualifying retail utilities to submit plans to the public utilities commission (PUC) as part of their ongoing resource acquisition planning process to address the clean energy targets. A clean energy plan must detail the actions and investments the utility intends to undertake, including specifying the new resources and infrastructure proposed to be used; the anticipated effects of the plan on the safety, reliability, and resilience of the overall electric system; the methods proposed for measuring carbon dioxide reductions; and the costs of implementation, which must be reasonable.

The approval process also includes participation by the division of administration within the department of public health and environment regarding the measurement of carbon dioxide emission reductions and predictions as to whether the clean energy plan will achieve the desired reductions.

A utility implementing a clean energy plan may recover its costs of implementation through rates, as approved by the PUC, and own any generating resources and infrastructure necessary to effectuate the plan. The utility is required to use a competitive bidding process to fill the cumulative resource need identified in its next electric resource plan that includes a clean energy plan filed after January 1, 2020.

Each utility that receives approval of a clean energy plan is required to report to the governor, the PUC, and the air quality control commission on a list of matters, including its progress in implementing the plan and in reducing carbon dioxide emissions.

The bill strengthens an existing provision requiring electric resource acquisition decisions to be made with consideration of "best value" employment metrics and the use of Colorado labor by requiring a utility to obtain and provide to the PUC relevant documentation on these topics, including the availability of apprenticeship programs registered with the United States department of labor.

(Note: This summary applies to this bill as introduced.)

Status: 4/5/2019 Introduced In House - Assigned to Health & Insurance
Amendments:
Bill Version: Introduced

HB19-1314 **Just Transition From Coal-based Electrical Energy Economy**

Comment:
Position: **Monitor**
Short Title: Just Transition From Coal-based Electrical Energy Economy

Sponsors: K. Becker | R. Galindo / F. Winter | K. Donovan

Summary: The bill creates the just transition office in the division of employment and training in the department of labor and employment. Beginning in 2025, the office, led by a director, will administer the following:

- ★ Benefits to coal transition workers to enable them to support themselves and their families and to access and complete education and training, resulting in being hired for high-quality jobs; and
- ★ Grants to eligible entities in coal transition communities that seek to create a more diversified, equitable, and vibrant economic future for those communities.

An electric utility that proposes to retire a coal-fueled electric generating facility shall submit to the office a workforce transition plan at least 90 days before the retirement of the facility.

The bill creates a just transition advisory committee to advise the director regarding implementation of the bill.

(Note: This summary applies to this bill as introduced.)

Status: 4/5/2019 Introduced In House - Assigned to Business Affairs & Labor

Amendments:

Bill Version: Introduced

SB19-062 **Limit Agency Rule-making Authority To Amend Rules**

Comment:

Position: **Monitor**

Short Title: Limit Agency Rule-making Authority To Amend Rules

Sponsors: J. Sonnenberg

Summary: Requires an executive agency to obtain additional statutory rule-making authority to amend or reinterpret an existing rule.

Status: 1/10/2019 Introduced In Senate - Assigned to State, Veterans, & Military Affairs
1/28/2019 Senate Committee on State, Veterans, & Military Affairs Postpone Indefinitely

Amendments:

Bill Version: Introduced

SB19-077 **Electric Motor Vehicles Public Utility Services**

Comment: **The legislation does not apply to municipal utilities**

Position: **Monitor**

Short Title: Electric Motor Vehicles Public Utility Services
Sponsors: K. Priola | A. Williams / C. Hansen
Summary: Authorizes investor-owned public utilities to provide EV charging services as regulated or unregulated services and allows cost recovery.
Status: 1/11/2019 Introduced In Senate - Assigned to Business, Labor, & Technology
2/27/2019 Senate Committee on Business, Labor, & Technology Refer
Amended to Senate Committee of the Whole
3/4/2019 Senate Second Reading Laid Over Daily - No Amendments
3/5/2019 Senate Second Reading Passed with Amendments - Committee
3/6/2019 Senate Third Reading Laid Over to 03/08/2019 - No Amendments
3/8/2019 Senate Third Reading Passed - No Amendments
3/8/2019 Introduced In House - Assigned to Transportation & Local Government
Amendments: [Amendments](#)
Bill Version: Pre-Amended

SB19-083 **Colorado Department Of Public Health And Environment Air Quality Control**

Comment: **This is one of several bills removing obsolete provisions from CDPHE statutes.**

Position: **Monitor**

Short Title: Colorado Department Of Public Health And Environment Air Quality Control
Sponsors: R. Zenzinger / H. McKean
Summary: Eliminates the requirement that the state board of health supervise certain air quality control programs
Status: 1/14/2019 Introduced In Senate - Assigned to Health & Human Services
1/23/2019 Senate Committee on Health & Human Services Refer Unamended - Consent Calendar to Senate Committee of the Whole
1/28/2019 Senate Second Reading Passed - No Amendments
1/29/2019 Senate Third Reading Passed - No Amendments
1/31/2019 Introduced In House - Assigned to Energy & Environment
2/21/2019 House Committee on Energy & Environment Refer Unamended to House Committee of the Whole
2/25/2019 House Second Reading Passed - No Amendments
2/26/2019 House Third Reading Passed - No Amendments
2/27/2019 Signed by the Speaker of the House
2/27/2019 Signed by the President of the Senate
2/28/2019 Sent to the Governor
3/7/2019 Governor Signed
Amendments:
Bill Version: Signed Act

SB19-088 **Revised Uniform Unclaimed Property Act**

Comment:

Position: **Monitor**

Short Title: Revised Uniform Unclaimed Property Act

Sponsors: B. Gardner / K. Tipper | H. McKean

Summary: **Colorado Commission on Uniform State Laws. Section 1** of the bill enacts the "Revised Uniform Unclaimed Property Act" (act), as adopted by the National Conference of Commissioners on Uniform State Laws in 2016 with Colorado-specific amendments. The act responds to current transactions and practices, in particular electronic records, and seeks to promote uniformity among state laws regarding the disposition of unclaimed property.

The act is subdivided into 15 parts, which are summarized as follows:

- ★ Part 1 establishes general provisions for the act, including definitions for terms used in the act and authority for the administrator, who is the state treasurer, to make rules related to the act;
- ★ Part 2 establishes standards to determine if property is abandoned. Under the act, property is presumed abandoned if it is unclaimed by its apparent owner after a specified period of time known as the dormancy period. Some of the dormancy periods in the act are shorter than current law. This part also includes a number of sections that are included in current law to exempt property from the act.
- ★ Part 3 establishes priority rules for determining when the state may take custody of property that is presumed abandoned;
- ★ Part 4 requires a holder of property presumed to be abandoned to provide a report to the administrator and to retain certain records;
- ★ Part 5 establishes the notice that the administrator must provide to the apparent owner;
- ★ Part 6 establishes how the administrator takes custody of property after it has been abandoned;
- ★ Part 7 permits the administrator to sell property at a public sale after notice;
- ★ Part 8 relates to the administration of property and keeps the requirement that the proceeds of property sold be deposited in the existing unclaimed property trust fund and the unclaimed property tourism promotion trust fund;
- ★ Part 9 addresses claims to recover property from the administrator and includes existing provisions to allow offsets against the claim for child support; judicial restitution, fines, fees, or surcharges; and delinquent taxes and claims of the state;
- ★ Part 10 permits the administrator to request a report from a person and to examine records to determine compliance with the act;
- ★ Part 11 provides a holder with the right to appeal the administrator's determination concerning the holder's liability to deliver property or payment to the state;
- ★ Part 12 establishes penalties for a holder that fails to comply with the act;
- ★ Part 13 governs agreements between an apparent owner and a person commonly known as a "finder" who locates and recovers abandoned property on behalf of the owner;

- ★ Part 14 addresses the confidentiality and security of information related to the abandoned property; and
- ★ Part 15 includes miscellaneous provisions relating to the uniformity of construction, electronic signatures, a local government opt-out, and transitional interpretation.

Colorado-specific sections of the prior version of the act, known as the "Unclaimed Property Act", are retained and indicated by their former statutory section numbers.

Sections 2 through 21 make conforming amendments.

(Note: This summary applies to the reengrossed version of this bill as introduced in the second house.)

Status: 1/23/2019 Introduced In Senate - Assigned to Business, Labor, & Technology
 2/20/2019 Senate Committee on Business, Labor, & Technology Refer Amended to Senate Committee of the Whole
 2/25/2019 Senate Second Reading Laid Over to 02/27/2019 - No Amendments
 2/27/2019 Senate Second Reading Passed with Amendments - Committee, Floor
 2/28/2019 Senate Third Reading Passed with Amendments - Floor
 2/28/2019 Introduced In House - Assigned to Business Affairs & Labor
 3/19/2019 House Committee on Business Affairs & Labor Refer Amended to House Committee of the Whole
 3/21/2019 House Second Reading Laid Over Daily - No Amendments
 3/22/2019 House Second Reading Passed with Amendments - Committee
 3/25/2019 House Third Reading Passed - No Amendments
 3/26/2019 Senate Considered House Amendments - Result was to Concur - Repass

Amendments: [Amendments](#)

Bill Version: Pre-Amended

SB19-096 **Collect Long-term Climate Change Data**

Comment: **Members are concerned with grant of open-ended rule making authority to the CDPHE.**

Position: **Amend**

Short Title: Collect Long-term Climate Change Data

Sponsors: K. Donovan / C. Hansen

Summary: Requires the air quality control commission in the department of public health and environment to collect greenhouse gas emissions data from greenhouse gas-emitting entities, report on the data, including a forecast of future emissions, and propose a draft rule to address the emissions by July 1, 2020.

Status: 1/23/2019 Introduced In Senate - Assigned to Transportation & Energy
 3/21/2019 Senate Committee on Transportation & Energy Refer Amended to Appropriations

Amendments: [Amendments](#)

Bill Version: Pre-Amended

SB19-107**Broadband Infrastructure Installation**

Comment: **Members are concerned with language that asserts PUC oversight over a municipal utility.**

Position: **Amend**

Short Title: Broadband Infrastructure Installation

Sponsors: K. Donovan

Summary: Authorizes an electric utility or other electricity supplier to install and maintain above-ground broadband internet service infrastructure for internal use, for external use in providing broadband internet service, or for lease of any excess capacity to a broadband internet service provider.

Status: 1/29/2019 Introduced In Senate - Assigned to Business, Labor, & Technology + Local Government

Amendments:

Bill Version: Introduced

SB19-138**Bond Requirements For Public Projects Using Private Financing**

Comment:

Position: **Monitor**

Short Title: Bond Requirements For Public Projects Using Private Financing

Sponsors: F. Winter | K. Priola / S. Bird

Summary: Under current law, when a person, company, firm, corporation, or contractor (contractor) enters into a contract with a county, municipality, school district, or, in some instances, any other political subdivision of the state to perform work in connection with a project that has specified characteristics, the contractor is required to execute performance bonds and payment bonds.

The bill specifies that some of these bonding requirements apply to certain construction contracts situated or located on publicly owned property using public or private money or public or private financing.

(Note: This summary applies to the reengrossed version of this bill as introduced in the second house.)

Status: 2/12/2019 Introduced In Senate - Assigned to Finance
2/28/2019 Senate Committee on Finance Refer Amended to Senate Committee of the Whole
3/5/2019 Senate Second Reading Passed with Amendments - Committee
3/6/2019 Senate Third Reading Passed - No Amendments
3/8/2019 Introduced In House - Assigned to Finance
3/21/2019 House Committee on Finance Refer Amended to House Committee of the Whole
3/25/2019 House Second Reading Laid Over Daily - No Amendments

3/26/2019 House Second Reading Laid Over to 03/27/2019 - No Amendments
3/28/2019 House Second Reading Passed with Amendments - Committee
3/29/2019 House Third Reading Passed - No Amendments
4/1/2019 Senate Considered House Amendments - Result was to Concur -
Repass

Amendments: [Amendments](#)

Bill Version: Pre-Amended

SB19-156

Sunset State Electrical Board

Comment:

Position: **Monitor**

Short Title: Sunset State Electrical Board

Sponsors: R. Rodriguez / T. Sullivan

Summary: **Sunset Process - Senate Business, Labor, and Technology Committee.** The bill implements the recommendations of the department of regulatory agencies' sunset review and report on the state electrical board by:

- ★ Continuing the functions of the board for 13 years, until 2032 (**sections 1 and 2** of the bill);
- ★ Repealing the limitations on the fees that local jurisdictions may charge (**sections 7 and 8**);
- ★ Clarifying that cables and systems utilized for conveying power are not exempt from regulation when they are part of a building's electrical system (**section 7**);
- ★ Defining "direct supervision", with regard to the oversight of apprentices, and "supervision" of electrical work (**sections 3, 6, and 9**);
- ★ Repealing the requirement that the board notify an applicant that he or she is qualified to take a licensure examination (**section 5**);
- ★ Directing the governor to consider that at least one of the 4 members of the board who must be a master or journeyman electrician should be an electrician who works primarily in the residential sector (**section 4**);
- ★ Clarifying that traffic signals are exempt from regulation (**section 7**);
- ★ Repealing redundant language regarding an inspection exemption and obsolete language regarding providing copies of the electrical code and standards (**section 7**); and
- ★ Subjecting to regulation the alteration of existing facilities that are otherwise exempt from regulation (**section 7**).

Sections 10 through 17 make conforming amendments to harmonize the bill with House Bill 19-1172, the bill to recodify and reorganize title 12.
(*Note: This summary applies to this bill as introduced.*)

Status: 2/21/2019 Introduced In Senate - Assigned to Business, Labor, & Technology
3/20/2019 Senate Committee on Business, Labor, & Technology Refer
Amended to Finance

Amendments: [Amendments](#)

Bill Version: Amended

ITEM TITLE:

Water Legislative Update

DESCRIPTION:

This item is intended to give a brief update on water-related legislation being contemplated by the Colorado General Assembly. Loveland Water and Power relies primarily on the Colorado Water Congress (CWC) for information on water-related legislation.

SUMMARY:

The Second Regular Session of the 72nd Colorado General Assembly convened on **January 4, 2019** and runs through May 3, 2018. The Colorado Water Congress, through its State Affairs Committee, is currently tracking Colorado state house and senate bills related to water. This committee meets each Monday morning during the legislative session. After introduction of a bill it is covered at the next committee meeting to provide members an opportunity to learn about it. Usually, this committee votes on whether to take a position on the bill at the following State Affairs Committee meeting. The voting may be delayed another week if more time is needed on a bill. For CWC to take a position on a bill, the bill must have at least a 2/3 vote from the State Affairs Committee. Once CWC takes a position, it then advocates on behalf of its members before policy makers. Of the state bills that CWC takes a position, their success rate in either killing bills that are opposed or passing bills that are supported is eight-five percent.

While the state legislature is in session, each month in the LUC packet a Bill Summary Sheet (See Attachment A) gives a summary of each bill being tracked by CWC and a Bill Status Sheet (See attachment B) that shows how far along each bill has progressed. Once a bill is killed in a committee or lost in a floor vote, it is removed from this list. Bills that may be of interest to water providers in the Northern Front Range of Colorado are listed below:

HOUSE BILL 19-1050 Encourage Use of Xeriscape In Common Areas: Concerns the promotion of water-efficient landscaping on property subject to management by local supervisory entities.

HOUSE BILL 19-1082 Water Rights Easements: Concerns the rights of water rights easement holders. The bill clarifies that water rights easement holders may maintain, repair, and improve their easement.

HOUSE BILL 19-1218 Loaned Water for Instream Flows to Improve Environment: Concerning the Colorado Water Conservation Board's authority to use water that a water right owner voluntarily loans to the board for instream flow purposes and the loan duration and renewable policy.

HOUSE BILL 19-1271 Augmentation of Instream Flows: The bill clarifies the authority of the Colorado Water Conservation Board (CWCB) in the Department of Natural Resources to augment stream flows with water that has been previously decreed for augmentation in order to preserve or improve the natural environment, without requiring a further change of the water right.

The Colorado Water Congress, through its Federal Affairs Committee, provides the principal voice of Colorado's water community on federal issues that may affect Colorado or that are important to its members. The Federal Affairs Committee works closing with the National Water Resource Association




(NWRA), a federation of state water organizations concerned with appropriate management, conservation and use of water resources. In the Federal Affairs section of the CWC website it lists a brief description of some key federal legislative items they are tracking (see attachment C).

Please visit www.cowatercongress.org if you would like additional information regarding federal or state bills related to water and www.cml.org for state and federal bills related to municipal cities and towns.

RECOMMENDATION:

Information item only. No action required.

ATTACHMENTS:

-  Attachment A: Colorado Water Bill Summary
-  Attachment B: CWC, State Affairs Committee, Water Bill Status Sheet (3-11-2019)
-  Attachment C: CWC, 2019 Federal Priorities

Attachment A

2019 Colorado Water Bill Summary

HOUSE BILL 19-1006 Wildfire Mitigation Wildland-urban Interface Areas: Concerning measures to mitigate the effects of wildfires within wildland-urban interface areas, and, in connection therewith, creating a state grant program to promote forest management fuels reduction projects in such areas.

CWC Position: Support

Bill Summary: Wildlife Matters Review Committee. The bill creates a state grant program to be administered by the Colorado state forest service (forest service) to fund proactive forest management fuels reduction projects to reduce the impacts to life, property, and critical infrastructure caused by wildfires. To be eligible for a grant award, a grant recipient must be any one of a group of individual landowners as specified in the bill whose real property that is the subject of a grant application is located within a land area that is covered by a community wildfire protection plan. The bill specifies requirements pertaining to the evaluation of grant proposals. The forest service is to select the proposals that will receive funding, administer the grant program, and develop procedures by which applicants are to apply for grants. The bill imposes a monetary limit on the amount of a grant to be awarded and also requires a grant applicant to demonstrate an available amount of matching funds to be awarded a grant. The bill creates the forest management fuels reduction projects grant program cash fund in the state treasury. The bill requires the forest service to report annually to the general assembly on the number, location, and benefits of all projects for which a grant award is made.

HOUSE BILL 19-1015 Recreation of The Colorado Water Institute: Concerning the recreation of the Colorado Water Institute.

CWC Position: Support

Bill Summary: In the Colorado Revised Statutes, the bill will recreate and reenact, with amendments, part 8 of article 31 of title 23, Sections 801, 802, and 803.

HOUSE BILL 19-1026 Parks and Wildlife Violations of Law: Concerning fines assessed for violations of laws administered by the Division of Parks and Wildlife.

CWC Position: Conditionally Support

Bill Summary: With regard to fines imposed for violations of laws enforced by the division of parks and wildlife in the department of natural resources (division), the bill changes the amount of certain fines and modifies the disposition of money collected from fines.

Section 1 of the bill adds a nonstatutory short title.

Section 2 makes legislative findings.

HOUSE BILL 19-1029 Republican River Water Conservation District: Concerning the Republican River Water Conservation District, and, in connection therewith, expanding the boundaries of the district and adjusting the meeting schedule of the district's board of directors.

CWC Position: Support

Bill Summary: Water Resource Review Committee. The boundaries of the Republican river water conservation district are currently established by statute as certain counties and portions of counties that are within the Republican river basin. The bill expands the boundaries by including the district areas where groundwater pumping depletes the flow of the Republican river as contemplated by applicable United States supreme court case law. The composition of the district's board of directors is adjusted accordingly.

Current law requires the Republican river water conservation district board of directors to conduct regular quarterly meetings in January, April, July, and October. The bill changes these months to February, May, August, and November.

HOUSE BILL 19-1050 Encourage Use of Xeriscape In Common Areas: Concerning the promotion of water-efficient landscaping on property subject to management by local supervisory entities.

CWC Position: Conditionally Support

Bill Summary: Senate Local Government Committee.

Section 1 of the bill augments an existing law that establishes the right of unit owners in common interest communities to use water-efficient landscaping, subject to reasonable aesthetic standards, by specifically extending the same policy to common areas under the control of the community's governing board.

Sections 2 and 3 extend existing water conservation requirements, currently applicable only to certain public entities that supply water at retail and their customers, to property management districts and other special districts that manage areas of parkland and open space.

HOUSE BILL 19-1082 Water Rights Easements: Concerning the rights of a water rights easement holder.

CWC Position: Support

Bill Summary: Senate Agricultural & Natural Resources Committee. The bill clarifies that water rights easement holders may maintain, repair, and improve their easement.

SECTION 1. In Colorado Revised Statutes, **amend**1 37-86-103 as follows:

37-86-103. Extent of right-of-way. Such right-of-way shall extend only to a ditch, dike, cutting, pipeline, or other structure sufficient for the purpose required. Unless expressly inconsistent with the terms upon which the right-of-way was created, a ditch right-of-way includes the right to construct, operate, clean, maintain, repair, and replace the ditch, to improve the efficiency of the ditch, including by lining or piping the ditch, and to enter onto the burdened property for such purposes, with access to the ditch banks, as the exigencies then existing may require, for all reasonable and necessary purposes related to the ditch.

SECTION 2. Act subject to petition - effective date. This act takes effect at 12:01 a.m. on the day following the expiration of the ninety-day period after final adjournment of the general assembly (August 2, 2019, if adjournment sine die is on May 3, 2019); except that, if a referendum petition is filed pursuant to section 1 (3) of article V of the state constitution against this act or an item, section, or part of this act within such period, then the act, item, section, or part will not take effect unless approved by the people at the general election to be held in November 2020 and, in such case, will take effect on the date of the official declaration of the vote thereon by the governor.

SENATE BILL 19-096 Colorado Right to Rest: Concerning the creation of the "Colorado Right to Rest act".

CWC Position: Monitor

Bill Summary: The bill creates the "Colorado Right to Rest Act", which establishes basic rights for people experiencing homelessness, including but not limited to the right to rest in public spaces, to shelter themselves from the elements, to eat or accept food in any public space where food is not prohibited, to occupy a legally parked vehicle, and to have a reasonable expectation of privacy of their property.

HOUSE BILL 19-1108 Nonresidential Electors and Special Districts: Concerning measures to expand the ability of nonresident electors to participate in the governance of special districts, and, in connection therewith, allowing nonresident electors who own taxable property within the special district to vote in special district elections and allowing such electors to serve on special district boards in a nonvoting capacity.

CWC Position: Oppose

Bill Summary: This bill expands the definition of eligible elector and allows individuals who do not reside in Colorado to vote in a special district election if they own property within the district. It increases state and local government workload on an ongoing basis.

HOUSE BILL 19-1113 Protect Water Quality Adverse Mining Impacts: Concerning the protection of water quality from adverse impacts caused by mineral mining.

CWC Position: Support

Bill Summary: Current law does not address reliance on perpetual water treatment as the means to minimize impacts to water quality in a reclamation plan for a mining operation. **Section 1** of the bill requires most reclamation plans to demonstrate, by substantial evidence, an end date for any water quality treatment necessary to ensure compliance with applicable water quality standards.

Current law allows a mining permittee to submit an audited financial statement as proof that the operator has sufficient funds to meet its reclamation liabilities in lieu of a bond or other financial assurance. **Section 2** eliminates this self-bonding option and also requires that all reclamation bonds include financial assurances in an amount sufficient to protect water quality, including costs for any necessary treatment and monitoring costs.

HOUSE BILL 19-1200 Reclaimed Domestic Wastewater Point of Compliance: Concerning the point of compliance related to the treatment process involved in treating reclaimed domestic wastewater for indoor nonpotable uses within a building where the general public can access plumbing fixtures that are used to deliver the reclaimed domestic wastewater.

CWC Position: Support

Bill Summary: The bill authorizes the Water Quality Control Commission (WQCC) within the Colorado Department of Public Health and Environment to adopt rules related to the point of compliance for the disinfection of reclaimed wastewater that is used for indoor nonpotable uses. The point of compliance must be determined to protect public health and established at a single location on the occupied premises where the water is delivered and before the water is distributed.

HOUSE BILL 19-1213 Urban Drainage Flood Control District Director Compensation: Concerning the compensation payable to a member of a board of directors of an urban drainage and flood control district.

CWC Position: Monitor

Bill Summary: Under current law, members of the board of directors (board members) of the Urban Drainage and Flood Control District (UDFCD) receive compensation that cannot exceed \$1,200 per year, or \$75 per meeting attended. This bill increases these amounts to not exceed \$2,400 per year, and \$100 per meeting, which is the same amounts provided under current law for other special district board members.

HOUSE BILL 19-1218 Loaned Water for Instream Flows to Improve Environment: Concerning the Colorado Water Conservation Board's authority to use water that a water right owner voluntarily loans to the board for instream flow purposes.

CWC Position: N/A

Bill Summary: Under current law, the Colorado water conservation board (board), subject to procedural requirements established to prevent injury to water rights or decreed conditional water rights, may use loaned water for instream flows if the loaned water is used for preserving the natural environment of a stream reach that is subject to a decreed instream flow water right held by the board. The bill expands the number of years within a 10-year period that a loan may be exercised from 3 years to 5 years and allows a loan to be renewed for up to 2 additional 10-year periods. The bill also expands the board's ability to use loaned water for instream flows to allow loans to:

1. Improve the natural environment to a reasonable degree pursuant to a decreed instream flow water right held by the board; or
2. Preserve or improve the natural environment to a reasonable degree for a stream reach for which the board does not hold a decreed instream flow water right.

In considering whether to accept one of the new types of loans authorized by the bill, the board must evaluate the proposed loan based on a biological analysis performed by the division of parks

and wildlife. The board is required to promulgate rules regarding the necessary steps for reviewing and accepting such a loan.

HOUSE BILL 19-1231 New Appliance Energy And Water Efficiency Standards: Concerning efficiency standards for equipment sold in Colorado, and, in connection therewith, requiring certain appliances, plumbing fixtures, and other products sold for residential or commercial use to meet energy efficiency and water efficiency standards.

CWC Position: Support

Bill Summary: This bill adopts updated water and energy efficiency standards for certain consumer and commercial products and requires the Department of Public Health and Environment to publish the standards on its website or in hard copy form. The standards are phased-in over a three-year period and apply to new products sold or installed in the state. The sale of a noncomplying product after the effective date of the applicable standard is defined as a deceptive trade practice under the Colorado Consumer Protection Act.

HOUSE BILL 19-1247 Study Agricultural Applications: Concerning a study by the commissioner of agriculture on the potential applications for blockchain technology in agricultural operations

CWC Position: N/A

Bill Summary: The bill authorizes the Commissioner of Agriculture to appoint and convene an advisory group to study potential applications for blockchain technology in agricultural operations. The bill will increase state expenditures for FY 2019-20 only

HOUSE BILL 19-1259 Species Conservation Trust: Concerning support for species conservation trust fund projects, and, in connection therewith, making transfers to and appropriations from the species conservation trust fund for purposes recommended by the department of natural resources.

CWC Position: Support

Bill Summary: The bill clarifies the authority of the Colorado Water Conservation Board (CWCB) in the Department of Natural Resources to augment stream flows with water that has been previously decreed for augmentation in order to preserve or improve the natural environment, without requiring a further change of the water right.

HOUSE BILL 19-1271 Augmentation of Instream Flows: Concerning a clarification of the authority of the Colorado Water Conservation Board to augment stream flows with acquired water rights that have been previously decreed for augmentation use.

CWC Position: N/A

Bill Summary: The bill clarifies the authority of the Colorado Water Conservation Board (CWCB) in the Department of Natural Resources to augment stream flows with water that has been previously decreed for augmentation in order to preserve or improve the natural environment, without requiring a further change of the water right.

HOUSE BILL 19-1279 Protect Public Health Firefighter Safety Regulation PFAS Polyfluoroalkyl

Substances: Concerning the use of perfluoroalkyl and polyfluoroalkyl substances.

CWC Position: Support

Bill Summary: The bill prohibits the use of class B firefighting foam that contains intentionally added perfluoroalkyl and polyfluoroalkyl (PFAS) substances for training purposes and includes civil penalties. It requires the Department of Public Health and Environment to survey fire departments about issues related to PFAS foam. It increases state revenue and expenditures on an ongoing basis.

HOUSE BILL 19-1303 Protect Public Health Firefighter Safety Regulation PFAS Polyfluoroalkyl

Substances: concerning a grant of immunity from liability for a landowner related to the landowner's

failure to warn against a known dangerous condition on the landowner's land when the landowner has granted a person access to use the land for recreational purposes without charging the person.

CWC Position: Deliberating

Bill Summary: Under current law, a landowner is not liable for any injuries suffered by a person that was granted permission to use their land for recreational purposes without charge; except that a landowner is liable for willful or malicious failure to warn against a known dangerous condition. The bill removes the exception.

SENATE BILL 19-016 Severance Tax Operational Fund Distribution Methodology: Concerning the methodology to distribute money in the severance tax operational fund after core departmental programs are funded without changing the transfers to the Natural Resources and Energy Grant Programs.

CWC Position: Support

Bill Summary: Water Resources Review Committee. Money in the severance tax operational fund (operational fund) is primarily used for 2 purposes.

The general assembly annually appropriates money from the operational fund for several core departmental programs, which were previously described as "tier-one programs". If money remains after these appropriations and after a reserve requirement for the core departmental programs is satisfied, then the state treasurer transfers money to an array of funds that support natural resources and energy grant programs, which were previously described as "tier-two programs".

There is also a requirement that the reserve include an amount equal to 15% of the maximum transfers to natural resources and energy grant programs required by law, and this reserve is used for the transfers, if necessary.

The bill changes the distribution of the money in the operational fund as follows:

- ! Separates the reserve into the core reserve and the grant program reserve, while maintaining the overall purpose of each reserve;

- ! Increases the maximum grant program reserve to 100% of the maximum transfers to the natural resources and energy grant programs required by law, which currently is equal to \$36,378,072;

- ! Requires the state treasurer to make the transfers to the natural resources and energy grant programs on August 15 after a fiscal year and to base the transfers on actual revenue as opposed to estimated revenue. Money from the grant program reserve may be used for these transfers; and

- ! If all of the appropriations and transfers have been made and both reserves are full, then the state treasurer is required to transfer any money remaining in the operational fund to the severance tax perpetual base fund.

SENATE BILL 19-037 Wildfire Mitigation: Concerning measures to mitigate wildfires, and, in connection therewith, permitting county personnel to enter land owned by the federal or state government to remove wildfire fuel sources and appropriating money for the use of the Forest Restoration and Wildfire Risk Mitigation Grant Program.

CWC Position: Monitor

Bill Summary: In connection with any land area that is owned by the federal or state government that is located either within the territorial boundaries of a county or outside of but within 5 miles of the territorial boundaries of a county, where a supply of wildfire fuel materials exists on the land that is sufficiently concentrated posing a substantial threat of causing or aggravating a wildfire in such area, or where the federal or state government has failed to create a defensible space on such land to reduce the potential for damage from a wildfire, **section 1** of the bill permits the board of county commissioners of any county to use persons employed by the county or to contract with for-profit or not-for-profit organizations or entities to supply persons able to enter the federal or state land for the sole purpose of removing such fuel materials or creating such defensible space.

Under the bill, a person employed by or contracting with the county is not liable for any damages caused by any conduct he or she undertakes in accordance with this authority unless the person's conduct was due to willful misconduct, gross negligence, or bad faith.

Section 2 appropriates \$10 million for the 2019-20 state fiscal year, from the general fund to the department of higher education for allocation to the Colorado state university system to be used for the forest restoration and wildfire mitigation grant program.

SENATE BILL 19-181 Protect Public Welfare Oil and Gas Operations: Concerning additional public welfare protections regarding the conduct of oil and gas operations.

CWC Position: N/A

Bill Summary: The bill expands the regulatory charge of the Department of Natural Resources related to oil and gas production, and allows local governments to also regulate oil and gas operations within their jurisdictions. The bill increases state government revenue and expenditures and may also impact local government revenue and expenditures on an ongoing basis.

SENATE BILL 19-184 Authority Colorado Water Institute Study Blockchain Technology: Concerning a grant of authority to the Colorado Water Institute to study potential uses of blockchain technology

CWC Position: Support

Bill Summary: The bill directs the Colorado water institute at Colorado state university to:

1. Study the potential uses of blockchain technology to manage a database of water rights, to facilitate the establishment or operation of water markets or water banks, and for any other useful purpose in the administration of the institute's powers and duties; and
2. Report the results to the general assembly.

SENATE BILL 19-186 Expand Agricultural Chemical Management Program Protect Surface Water: Concerning the expansion of agricultural chemical management plans to protect surface water.

CWC Position: Support

Bill Summary: This bill expands the Commissioner of Agriculture's responsibility to prevent or remedy the introduction of agricultural chemicals into groundwater to include protection of all state waters. The bill increases state revenue and expenditures on an ongoing basis.

SENATE BILL 19-212 Appropriation General Fund Implement State Water Plan: - Concerning general fund support to implement the state water plan, and, in connection therewith, making an appropriation.

CWC Position: Support

Bill Summary: The bill codifies the Water Plan Implementation Grant Program in the Department of Natural Resources and makes an appropriation to the program

SENATE BILL 19-221 Appropriation General Fund Implement State Water Plan: - Concerning the funding of Colorado water conservation board projects, and, in connection therewith, making an appropriation.

CWC Position: Support

Bill Summary: The bill appropriates funds from the Colorado Water Conservation Board Construction Fund in the Department of Natural Resources for specified water-related projects in FY 2019-20 and makes several cash fund transfers. Appropriations are for FY 2019-20, but funds are available until fully expended.

HOUSE JOINT RESOLUTION 19-1005 Water Projects Eligibility Lists

CWC Position: Support

Bill Summary: No summary, the main contents of the joint resolution are listed below.

WHEREAS, Pursuant to section 37-95-107.8, Colorado Revised Statutes, the Drinking Water Revolving Fund (DWRF) has been created in the Colorado Water Resources and Power Development Authority (Authority) to provide financial assistance for certain drinking water supply projects; and

WHEREAS, Pursuant to sections 37-95-103 (4.8) and 37-95-107.8 (4)(c), Colorado Revised Statutes, in order to qualify for financial assistance from the DWRF, proposed projects must be included on the Drinking Water Project Eligibility List; and

WHEREAS, Pursuant to section 37-95-107.8 (4)(b), Colorado Revised Statutes, the Water Quality Control Commission (Commission) has developed additions, modifications, or deletions to the Drinking Water Project Eligibility List; and

WHEREAS, Pursuant to section 37-95-107.6, Colorado Revised Statutes, the Water Pollution Control Revolving Fund (WPCRF) has been created in the Authority to provide financial assistance for certain wastewater treatment system projects; and

WHEREAS, Pursuant to sections 37-95-103 (13.5) and 37-95-107.6 (4)(c), Colorado Revised Statutes, in order to qualify for assistance from the WPCRF, proposed projects must be included on the Water Pollution Control Project Eligibility List; and

WHEREAS, Pursuant to section 37-95-107.6 (4)(b), Colorado Revised Statutes, the Commission has developed additions, modifications, or deletions to the Water Pollution Control Project Eligibility List; and

WHEREAS, The provision of financial assistance from the DWRF and the WPCRF to the proposed projects will preserve, protect, conserve, and develop the water resources of the state; promote the beneficial use of the waters of the state and the protection and preservation of the public health, safety, and welfare; create and preserve jobs and employment opportunities; and improve the economic welfare of the people of the state; and

WHEREAS, The General Assembly deems the additions and modifications to the Drinking Water Project Eligibility List and the Water Pollution Control Project Eligibility List adopted by the Commission to be in the interest and to the advantage of the people of the state; now, therefore,

Be It Resolved by the House of Representatives of the Seventy-Second General Assembly of the State of Colorado, the Senate concurring herein:

The rest of the House Joint Resolution lists out the additions, modifications, and deletions to 1) the Drinking Water Project Eligibility List, and 2) the Water Pollution Control Project Eligibility List.

SENATE JOINT MEMORIAL 19-001 Memorial for Arkansas Valley Conduit: No brief description provided.

CWC Position: Support

Bill Summary: The memorial is for memorializing the United States Congress to fulfill the commitment of the federal government to provide funding for the Arkansas Valley Conduit Project.

SENATE JOINT MEMORIAL 19-002 Corps of Engineers to Dredge Lower Arkansas River: Concerning memorializing the United States congress to enact legislation directing the United States Army Corps of Engineers, in conjunction and cooperation with the Lower Arkansas Valley Water Conservancy District, to dredge a portion of the Arkansas River.

CWC Position: Support

Bill Summary: The memorial is for memorializing the United States Congress to enact legislation directing the United States Army Corps of Engineers, in conjunction and cooperation with the Lower Arkansas Valley Water Conservancy District, to dredge a portion of the Arkansas River.

Attachment B

Colorado Water Congress 2019 Bill Status Sheet

Bill No.	Short Title	CWC Position	First House					Second House					First House Repass	Conference Committee	Governor	
			Introduced	1st Committee	2nd Committee	2nd Reading	3rd Reading	Introduced	1st Committee	2nd Committee	2nd Reading	3rd Reading				
HB19-1006	Wildfire Mitigation Wildland-urban Interface Areas	18-Mar	RA 1/4	3/18 RA	Ap											
HB19-1015	Recreation of the Colorado Water Institute	14-Jan	RA 1/4	1/14 RA	17-Jan	18-Jan	23-Jan	23-Jan Ag	31-Jan Ag			4-Feb	5-Feb	11-Feb	11-Feb	20-Feb
HB19-1026	Parks and Wildlife Violations of Law	14-Jan	RA 1/4	1/17 RA @ 1:30pm	28-Jan F	8-Mar	11-Mar	18-Mar Ag	21-Mar RA	16-Apr F						
HB19-1029	Republican River Water Conservation District	14-Jan	RA 1/4	1/14 RA @ 1:30pm	17-Jan	18-Jan	23-Jan	23-Jan Ag	7-Feb Ag			11-Feb	12-Feb	27-Mar	1-Apr	8-Apr
HB19-1050	Encourage Use of Xeriscape in Common Areas	22-Jan	EE 1/4	1/17 EE		25-Jan	28-Jan	1-Feb LG	12-Feb LG			15-Feb	19-Feb	26-Feb	27-Feb	7-Mar
HB19-1082	Water Rights Easements	28-Jan	RA 1/11	1/28 RA		30-Jan	31-Jan	5-Feb Ag	14-Feb Ag			20-Feb	21-Feb	4-Mar	15-Mar	28-Mar
HB19-1096	Colorado Right to Rest	22-Jan	TE 1/14	2/26 TE, LG												
HB19-1108	Nonresident Electors and Special Districts	25-Feb	SVMA 1/14	1/31 SVMA		15-Feb	19-Feb	20-Feb	6-Mar SVMA							
HB19-1113	Protect Water Quality Adverse Mining Impacts	4-Feb	RA 1/15	2/4 RA		6-Feb	7-Feb	11-Feb Ag	7-Mar Ag			13-Mar	14-Mar	26-Mar	27-Mar	27-Mar
HB19-1200	Reclaimed Domestic Wastewater Point of Compliance	4-Mar	RA 2/20	3/4 RA		7-Mar	8-Mar	11-Mar LG	14-Mar LG			19-Mar	20-Mar	27-Mar	28-Mar	28-Mar
HB19-1213	Urban Drainage Flood Control District Director Compensation	11-Mar	EE 2/26	3/14 EE		19-Mar	20-Mar	25-Mar LG	2-Apr LG			5-Apr	8-Apr			

Bill No.	Short Title	CWC Position	First House					Second House					First House Repass	Conference Committee	Governor	
			Introduced	1st Committee	2nd Committee	2nd Reading	3rd Reading	Introduced	1st Committee	2nd Committee	2nd Reading	3rd Reading				
HB19-1218	Loaned Water for Instream Flows to Improve Environment	25-Mar	EE 3/4	3/25 EE @ 1:30pm		29-Mar	1-Apr	2-Apr Ag	17-Apr Ag							
HB19-1231	New Appliance Energy and Water Efficiency Standards	1-Apr	EE 3/8	3/25 EE @ 1:30pm		3-Apr	4-Apr	5-Apr TE								
HB19-1247	Study Agricultural Applications for Blockchain	1-Apr	RA 3/15	3/28 RA	Ap											
HB19-1259	Species Conservation Trust Fund Projects	1-Apr	RA 3/20	4/1 RA @ 1:30pm	Ap											
HB19-1271	Augmentation of Instream Flows	8-Apr	RA 3/25													
HB19-1279	Protect Public Health Firefighter Safety Regulation PFAS Polyfluoroalkyl Substances	8-Apr	EE 3/27													
HB19-1303	No Liability if Landowner Grants Free Access Land	15-Apr	J 4/1													
SB19-016	Severance Tax Operational Fund Distribution Methodology	14-Jan	Ag 1/4	1/17 Ag @ 1:30pm		22-Jan	23-Jan	23-Jan EE, F	7-Feb EE	4-Mar F	8-Mar	11-Mar	21-Mar	21-Mar	1-Apr	
SB19-037	Wildfire Mitigation	22-Jan	SVMA 1/4	1/28 SSVMA @ 1:30pm												

Bill No.	Short Title	CWC Position	First House					Second House					First House Repass	Conference Committee	Governor
			Introduced	1st Committee	2nd Committee	2nd Reading	3rd Reading	Introduced	1st Committee	2nd Committee	2nd Reading	3rd Reading			
SB19-181	Protect Public Welfare Oil and Gas Operations	25-Mar	TE 3/1	3/5 TE	3/8 F	12-Mar	13-Mar	14-Mar EE, F, Ap	18-Mar EE	25-Mar F	28-Mar	29-Mar	3-Apr		
SB19-184	Authority Colorado Water Institute Study Blockchain Technology	18-Mar	Ag 3/5	3/21 Ag											
SB19-186	Expand Agricultural Chemical Management Program Protect Surface Water	8-Apr	Ag 3/5	4/4 Ag	4/16 F										
SB19-212	Appropriation General Fund Implement State Water Plan	1-Apr	Ap 3/25	3/26 Ap		27-Mar	28-Mar	29-Mar Ap	2-Apr Ap						
SB19-221	CO Water Conservation Board Construction Fund Project	8-Apr	Ag 3/29	Ap											
HJR19-1005	Water Projects Eligibility Lists	14-Jan	RA 1/10	1/17 RA		25-Jan	25-Jan	29-Jan, Ag	31-Jan Ag			4-Feb	5-Feb	5-Feb	20-Feb
SJM19-001	Memorial for Arkansas Valley Conduit	14-Jan	Ag 1/4	1/17 Ag @ 1:30pm			22-Jan	23-Jan RA	11-Feb RA			13-Feb	13-Feb	14-Feb	
SJM19-002	Corps of Engineers to Dredge Lower Arkansas River	14-Jan	Ag 1/4	1/17 Ag @ 1:30pm			22-Jan	23-Jan RA	11-Feb RA			13-Feb	13-Feb	14-Feb	

BILL STATUS	ABBREVIATIONS
Bill scheduled for action at next SA meeting (yellow)	RA = Rural Affairs Committee

Bill not calendared (no fill)		Ap = Appropriations Committee
Bill Passed, date of action (green)		BLEW = Business, Labor, Economic and Workforce Development Committee
Bill no longer active (gray)		CC = Conference Committee
Bill Postponed Indefinitely, Lost or Laid Over to end of session, date of action (orange)		F = Finance Committee
Bill did not go to second committee or no action required (black)		HIE= Health, Insurance, and Environment
		J = Judiciary
<u>CWC POSITION</u>		LG = Local Government Committee
Bill scheduled for activity in CWC State Affairs (yellow)		SVMA = State, Veterans, and Military Affairs Committee
Support (green)		TE = Transportation and Energy Committee
Oppose (orange)		UA = Upon Adjournment
Amend (blue)		UR = Upon Recess
Monitor, Neutral, No Position		Ag = Agriculture and Natural Resources Committee
		EE = Energy & Environment

Attachment C



Colorado Water Congress

2019 Federal Priorities

Authorization/Funding for Control of **Aquatic Nuisance** (Invasive) Species

Colorado River **Drought Contingency Planning**
Authorization and Implementation (\$)

Endangered Species Recovery Implementation Programs

Annual Appropriation
Legislative Change to Authorized Annual Spending
San Juan River Basin
Platte River Program Reauthorization (2019)

USDA Conservation Programs (**Farm Bill**)

Land & Water Conservation Fund
Authorization and Funding

Watershed, Forest, and Soil Health

Infrastructure Funding
Short-Term Infrastructure Package
Maintaining Existing Programmatic Funding (ex. State Revolving Loan)
Financing Mechanisms Other than Federal Appropriations

Tax Exemption for Water Conservation Rebates

Water Rights Protection Act

Water Transfer Rule Legislation

Good Samaritan Legislation

Superfund Programmatic Funding for Abandoned Mines (ex. Gold King)

Regulatory Changes due to **Climate Variability**

ESA Reform Efforts, Legislative and Administrative

NEPA and **Permit Streamlining**

Waters of the United States Rule-making

Other Colorado Priorities

NRCS Funding for Manual **Snow Course** Measurement

Bolt's Ditch

Duplicate Pesticide Permitting

USFS and BLM Management Plans



ITEM TITLE:

Water Supply Update

DESCRIPTION:

Raw water supply update.

SUMMARY:

United States Drought Monitor Map of Colorado, as of April 2, 2019 (Attachment A):

- The South Platte Basin no longer has any areas designated as **Abnormally Dry** (D0).
- The drought conditions in southwestern Colorado have improved significantly with only a small portion of the State designated as being in a **Moderate Drought** (D1).
- The majority of the Colorado River Basin in Colorado appears to back to normal conditions.

NRCS Colorado SNOTEL Snow Water Equivalent (SWE) Map, as of April 5, 2019 (Attachment B):

- Indicates the South Platte Basin is at **119% of Median SWE** (1981-2010)
- Overall Statewide, we are currently at **132% of Median SWE**

Locations of Bear Lake & Lake Irene SNOTEL Sites:

- Bear Lake SNOTEL site is in the upper Big Thompson River Basin
- Lake Irene SNOTEL site is in the upper Colorado River Basin near the Continental Divide and is indicative of conditions in the upper Big Thompson basin.

Bear Lake NRCS SNOTEL Site (Attachment C):

- First Graph shows the SWE from October 2019 through April 9, 2019 (red) compared to 2002, 2015, 2016, 2017, and the 30-year Median (1981-2010).
- Second Graph shows the entire snow accumulation and melt-off period from October through mid-June.
- Currently, the SWE accumulation is trending above the 30-year median and below the 2017 SWE.





Next Two Tables - NRCS SNOTEL as of April 9, 2019 (Attachment D)

- Bear Lake SWE at 18.9 inches, or 107% of Median
- Lake Irene SWE at 25.3 inches, or 102% of Median

RECOMMENDATION:

Information item only. No action required.

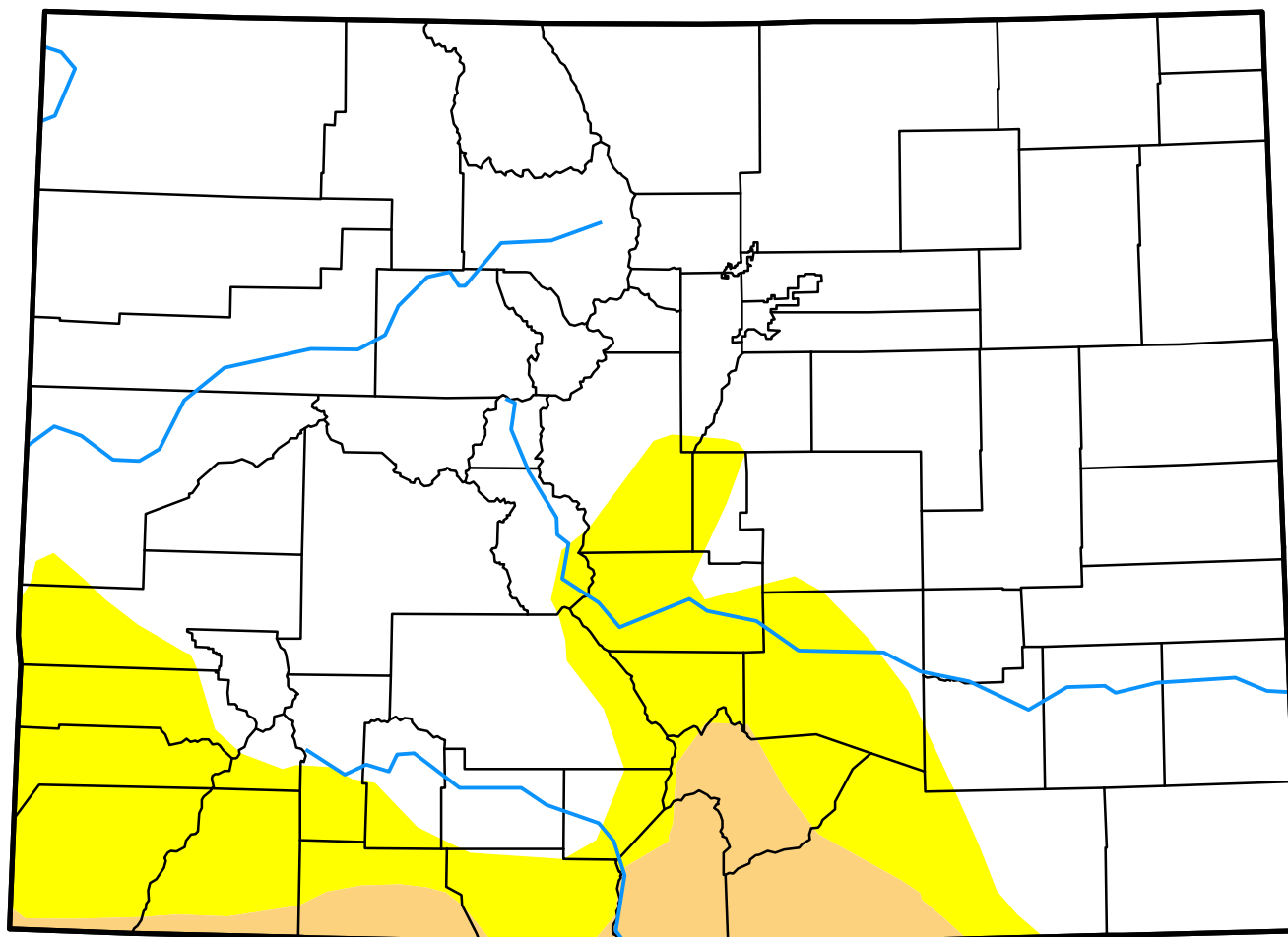
ATTACHMENTS:

-  Attachment A – U.S. Drought Monitor Map of Colorado
-  Attachment B – Colorado SNOTEL SWE Update Map
-  Attachment C – Snow-Water Equivalent Graphs at Bear Lake
-  Attachment D – Colorado SNOTEL Update Table






Attachment A

U.S. Drought Monitor Colorado

April 2, 2019
(Released Thursday, Apr. 4, 2019)
Valid 8 a.m. EDT



Intensity:

-  D0 Abnormally Dry
-  D1 Moderate Drought
-  D2 Severe Drought
-  D3 Extreme Drought
-  D4 Exceptional Drought

The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. See accompanying text summary for forecast statements.

Author:

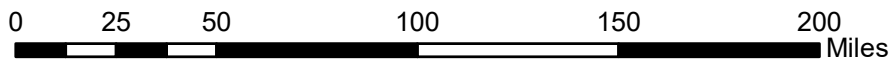
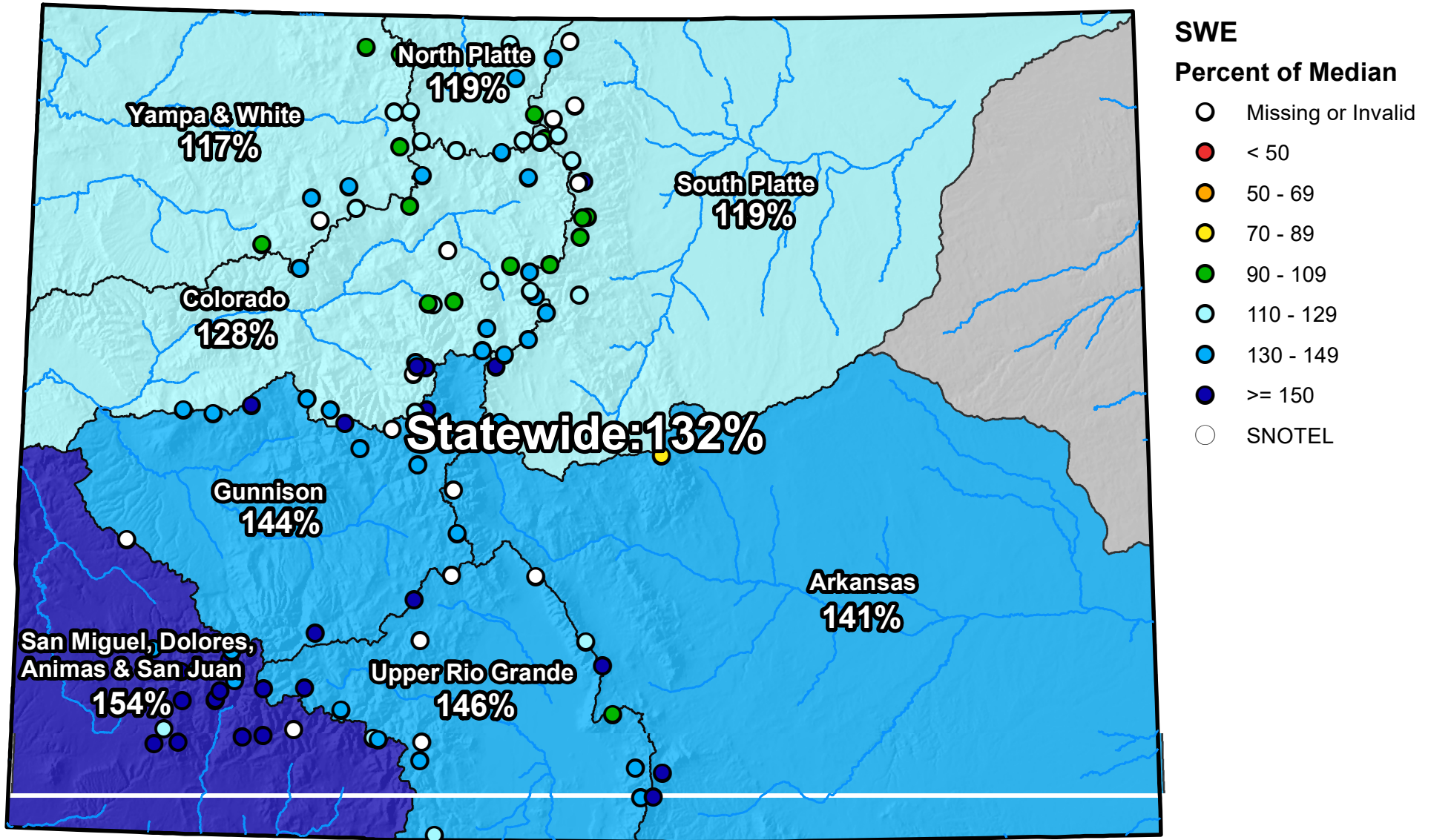
Curtis Riganti
National Drought Mitigation Center



Attachment B

Colorado SNOTEL Snow Water Equivalent (SWE) Update Map with Site Data

Current as of Apr 05, 2019



45

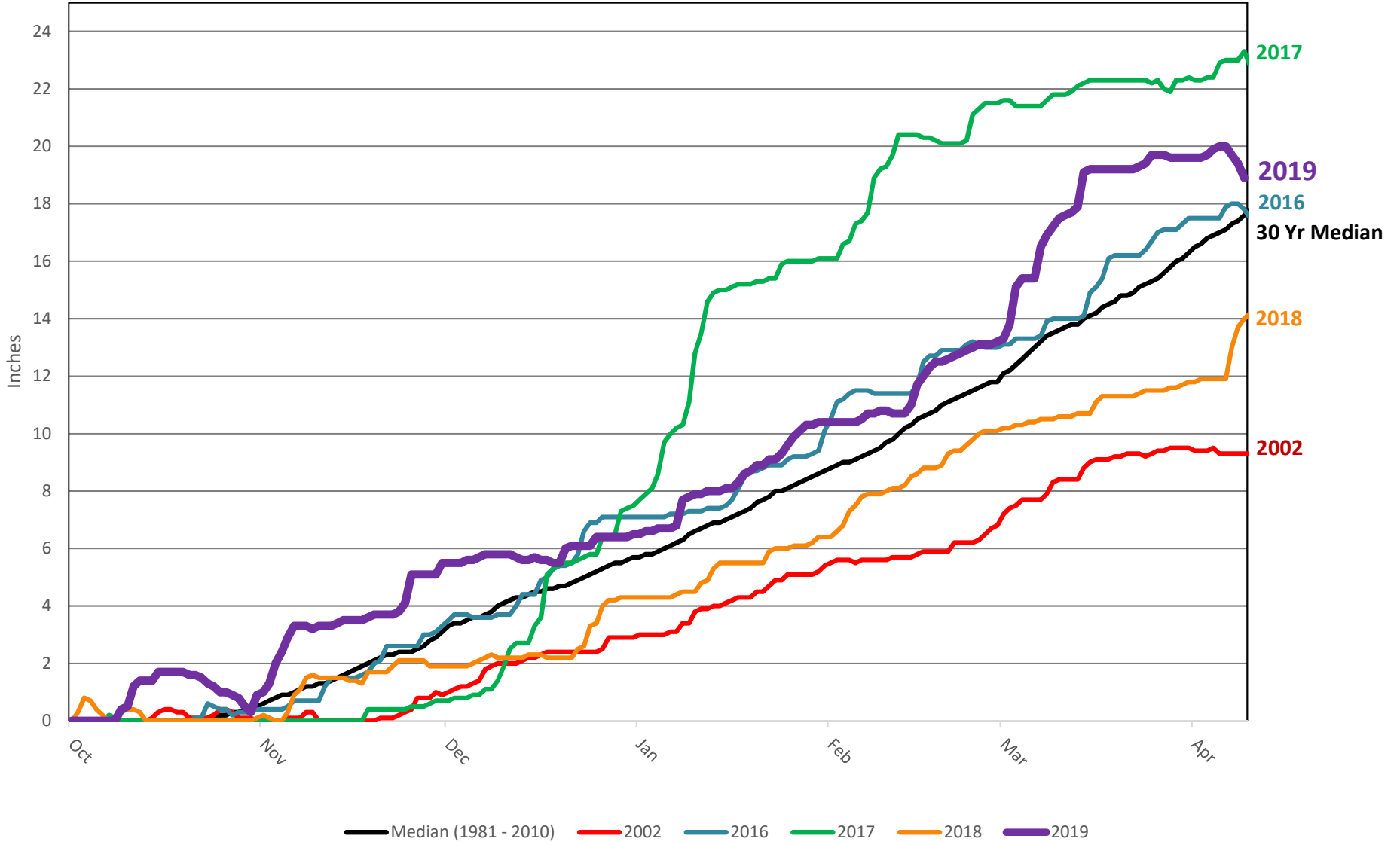


United States Department of Agriculture

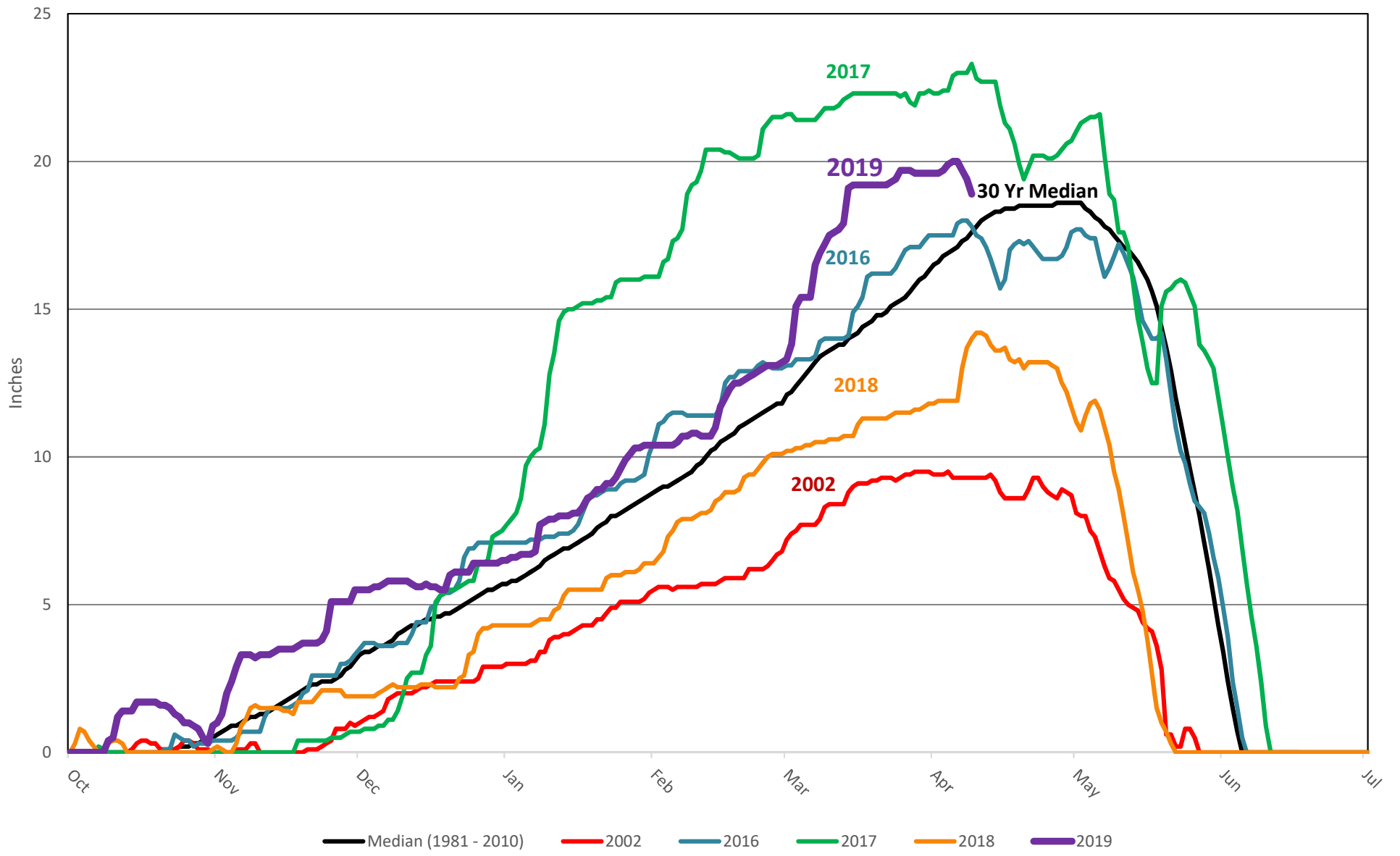
Natural Resources Conservation Service

Attachment C

Snow - Water Equivalent at Bear Lake as of April 09, 2019



Snow - Water Equivalent at Bear Lake, Graph through Late Spring



Attachment D

Colorado SNOTEL Snowpack Update Report

Based on Mountain Data from NRCS SNOTEL Sites

Data based on first reading of the day for: **April 9, 2019**

Station Name	River Basin	Elevation (ft)	Snow Water Equivalent (SWE)				Percent of	
			Current (in)	Today's Median (in)	Median Peak (in)	Median Peak Date	Today's Median (%)	Median Peak (%)
Bear Lake	South Platte	9,500	18.9	17.6	18.6	Apr-30	107	102
Lake Irene	Upper Colorado	10,700	25.3	24.8	24.9	Apr-07	102	102

ITEM TITLE:

Power Cost-of-Service Rate Study Direction

DESCRIPTION:

The purpose of this item is to get direction from the LUC to take to City Council to incorporate into the rate designs for the Power Cost-of-Service Rate Study.

SUMMARY:

As part of this year's Power Cost-of-Service Rate Study, there are two important items that Staff is seeking direction on. This direction will be taken to City Council for a May 14 Study Session in order to provide recommendations on these two items. The items are 1) The Monthly Base Charge; and 2) The Rate Design for the Residential Self-Generating Class.

MONTHLY BASE CHARGE

At the July 24, 2018 City Council Study Session, Joe Bernosky made a presentation on the Residential Self-Generating rate at the request of City Council. During that presentation, there were three City Councilors who wondered why we didn't recover all of Power's fixed costs in the Monthly Base Charge, regardless of which customer class you looked at. It is possible to design rates that do recover all of the fixed costs in the Monthly Base Charge, so with these inquiries coming from City Council, Staff wants to get clear direction on how to go about designing the rates for the Monthly Base Charge at the front end of the rate study.

The methodology that has been and is currently used for calculating the Monthly Base Charge is called the Minimum System Requirement (MSR). With the MSR, the costs that are recovered in the Monthly Base Charge are the costs associated with delivering one kilowatt of power to every customer. The MSR uses things like the smallest transformer size, the smallest poles, and the smallest conductor in its assumptions to calculate the Charge. Using the MSR methodology yielded a Monthly Base Charge for Residential Customers of \$15.54 per month for 2019. Our rate consultant, Utility Financial Solutions (headed up by Mark Beauchamp), did a calculation of what our Monthly Base Charge would be if we recovered all of our fixed costs in the Monthly Base Charge, and it came out to be around \$26 per month.

Here are the pros and cons for recovering all of the fixed costs in the Monthly Base Charge:

PROS:

- 1) **GREATER REVENUE STABILITY** – with the higher Monthly Base Charge, a greater portion of the revenues would be certain, and we would be less dependent on weather to meet our budgeted revenue projections

CONS:

- 1) **CUSTOMERS WITH LOW USAGE WOULD BE HURT** – customers with low usage would see their bill go up significantly and they would be subsidizing high users
- 2) **POSSIBILITY OF EFFORTS TO CONSERVE DECLINING** – having all of the fixed costs recovered in the Monthly Base Charge would result in lower kWh and kW rates, and customers would have less incentive to conserve energy

- 3) **OUR MONTHLY BASE CHARGE WOULD ON THE HIGHER END ON A STATEWIDE BASIS** – at \$26 per month, our Monthly Base Charge for Residential customers would be significantly higher than the \$19 average Residential Monthly Base Charge according to the Colorado Association of Municipal Utilities (CAMU) January, 2019 billing survey of 57 Colorado electric utilities. In addition, the Monthly Base Charge for non-Residential classes would increase dramatically, such as the Large General Service class, which would see an increase from the current rate of \$145.53 per month to nearly \$800 per month.

Here are the pros and cons for using the Minimum System Requirement methodology to calculate the Monthly Base Charge in comparison to recovering all of the fixed costs in the Monthly Base Charge:

PROS:

- 1) **MORE FAIR TO LOW USAGE CUSTOMERS**
- 2) **DOES A BETTER JOB OF PROMOTING CONSERVATION**
- 3) **AN INDUSTRY STANDARD METHODOLOGY** – the MSR methodology is considered a standard approach in rate design, viewed as reasonable and is widely used by electric utilities throughout the country

CONS:

- 1) **LESS REVENUE STABILITY THAN RECOVERING ALL OF THE FIXED COSTS IN THE BASE CHARGE**

Staff's recommendation would be to stay with the MSR methodology for this study.

RATE DESIGN FOR THE RESIDENTIAL SELF-GENERATING CLASS

Here are the current summer rates for the Residential Self-Generating Class:

Monthly Base Charge: \$15.54 (standard Residential rate) + \$2.59/kW of capacity of the customer's solar unit

Rate for energy consumed: \$0.10105/kWh

Buyback rate for excess energy generated: \$0.10105/kWh

The reason for the additional \$2.59/kW of installed capacity charge is because, when the 2016 Power Cost-of-Service Rate Study was conducted, one of the findings was that the rates for the Residential Self-Generating Class were not generating enough revenue to cover the cost of serving that class. The charge per kW capacity of the solar unit was the methodology used to make up the shortfall in revenue collected from the Residential Self-Generating Class to bring them up to cost of service. At the same July 24, 2018 City Council Study Session that was referenced earlier, there was feedback given by the Council on the existing rate design for the Residential Self-Generating Class. Some commented that they didn't understand why the Residential Self-Generating customers had to pay a higher Monthly Base Charge than the standard Residential customers. Some commented that they didn't understand why we would give full retail credit for excess generation – for example, why would our utility pay a Residential Self-Generating customer 10.1 cents/kWh for their summer excess generation when we could purchase power from PRPA in the summer for 7 cents/kWh? As is the case with the Monthly Base Charge, with City Council posing these questions, Staff wants to get clear direction on how to go about designing the Residential Self-Generating Rate at the front end of the rate study.

What Staff is proposing is three options:

- 1) Stay with the current rate design, and just update the rates to cost of service
- 2) Eliminate the additional charge per kW of the solar unit's capacity and lower the buyback rate to \$0.0475/kWh

- 3) Lower the buyback rate to \$0.062/kWh (what it would cost to purchase from PRPA) and, therefore, be able to lower the charge per kW of the solar unit's capacity to \$0.96/kW

In 2018, there was a total of \$57,000 of revenue that was collected from the Residential Self-Generating Class, and the rates for 2018 were at cost-of-service levels, so, based on 2018 usage and excess generation by the Residential Self-Generating Class, the rates in Scenarios 2 and 3 would also result in \$57,000 of revenue.

The pros and cons of the three options are as follows:

OPTION 1 - STAYING WITH CURRENT RATE DESIGN

PROS:

- 1) **REVENUE STABILITY** – with the additional charge per kW of the solar unit's capacity, it brings a higher level of certainty of receiving the amount of revenue necessary to meet cost of service
- 2) **REWARDS PROLIFIC EXCESS GENERATORS** – with the full retail buyback rate, customers with a lot of excess generation benefit from this rate design

CONS:

- 1) **HIGHEST MONTHLY BASE CHARGE** – from the Power Utility's perspective, the high Monthly Base Charge (because of the capacity charge per kW) helps revenue certainty, but is a drawback for customers
- 2) **BUYBACK RATE EXCEEDS COST OF PURCHASING FROM PRPA** – the concern raised by some of the Councilors: why would the Power Utility pay more for energy purchased from self-generating customers than it would to purchase energy from PRPA?

OPTION 2 – NO ADDITIONAL CHARGE PER KW OF SOLAR UNIT, SIGNIFICANTLY REDUCED BUYBACK RATE

PROS:

- 1) **LOWEST MONTHLY BASE CHARGE** – with the elimination of the charge per kW of solar unit capacity, the Monthly Base Charge would be the same as a standard Residential customer, which would be a plus for Residential Self-Generating customers
- 2) **HIGH NET USAGE CUSTOMERS WOULD BENEFIT** – with this rate design, customers that have higher consumption combined with little excess generation would benefit the most

CONS:

- 1) **PROLIFIC EXCESS GENERATORS WOULD BE HURT** – with the buyback rate being drastically reduced, customers with a lot of excess generation would see much lower reductions in their bill from their excess generation
- 2) **LEAST AMOUNT OF REVENUE STABILITY** – with the elimination of the charge per kW of solar unit capacity, a much greater piece of the revenue pie would be dependent of the usage and excess generation of the RSG class

OPTION 3 – BUYBACK RATE SET AT PURCHASED COST RATE FROM PRPA, REDUCED SOLAR UNIT KW CHARGE

PROS:

- 1) **BUYBACK RATE WOULD BE ALIGNED WITH PURCHASED POWER COST FROM PRPA** – from the Power Utility’s standpoint, there would be no difference in cost in purchasing from PRPA vs. purchasing excess generation from a Self-Generating customer
- 2) **A MIDDLE GROUND IN COMPARISON TO OPTIONS 1 AND 2**

CONS:

- 1) **LESS REVENUE CERTAINTY COMPARED TO OPTION 1**
- 2) **RESIDENTIAL SELF-GENERATING CUSTOMERS WOULD STILL HAVE A HIGHER BASE CHARGE THAN REGULAR RESIDENTIAL CUSTOMERS** – this was something that some of the Councilors expressed concern about at the July 24, 2018 Study Session. They wondered why Residential Self-Generating customers were charged more for a Base Charge than regular residential customers. This scenario would, however, reduce the additional charge per kW of the customer’s solar unit capacity by just over 60% compared to Option 1.

Staff is still evaluating the options and working with Utility Financial Solutions, our Power Rate Consultant, on which option to recommend. That recommendation will be presented at the April LUC meeting.

RECOMMENDATION:

Adopt a motion recommending that City Council direct Staff to use the Minimum System Requirement methodology to calculate the Base Charge for all customer classes for 2020.

Adopt a motion recommending that City Council direct Staff to use the Staff-recommended methodology for designing the rates for 2020 for the Residential Self-Generating Class.

ITEM TITLE:

Proposed 10-Year Capital Improvement Plans

DESCRIPTION:

The purpose of this item is to present an overview of the 2020 to 2029 10-year Capital Improvement Plan (CIP) for the Water, Raw Water, Wastewater, and Power Utilities. Staff is requesting that the Loveland Utilities Commission adopt a motion recommending that City Council approve the proposed 10-Year CIPs.

SUMMARY:

Staff has assembled and submitted proposed 10-Year CIPs for the Raw Water/Water, Wastewater, and Power Utilities to the Budget Office. Capital expenditures for the period from 2020-2029 are summarized below:

10-YEAR CIP TOTAL EXPENDITURES (\$M) 2019-2028	General Capital	SIF / PIF Capital	Total Capital
Water	\$71.1	\$56.3	\$127.4
Wastewater	\$52.0	\$30.5	\$82.5
Power	\$127.9	\$39.8	\$167.7

Raw Water capital expenditures for 2020-2029 are \$9.7 million and are paid for entirely from the Raw Water Fund. The \$9.7 million does not include \$55.6 million that is budgeted in 2019 for construction of the Chimney Hollow Reservoir, and will likely have that budgeted amount roll into 2020.

In assembling these CIPs to fit within the framework of the revenue projections, operating expenses and capital expenditures of each of the utilities, loans have been programmed in for both rehabilitation capital and growth-related capital projects in future years. The total amount of loans over the 10-year window from 2020-2029 for the four utilities is up \$14.2 million from last year's 10-Year Plans. The primary drivers for the increased borrowing are: 1) an increase in the estimated cost of the Water project East Gravity Zone Water Line along 28th St SW from Taft to Garfield to Hwy 402; 2) an increase in the estimated cost of the Chimney Hollow Reservoir; 3) the new inclusion in this year's 10-Year Plans of the Service Center Expansion. A list of the anticipated borrowing for each utility is captured in the following paragraphs.

Raw Water – With the higher level of participation in the Chimney Hollow Reservoir Project and a continuing increase in the cost estimate for the project, Raw Water is now looking at a \$4.5 million loan in 2020 to supplement the \$37.6 million loan in 2019. In the likely event that construction does not begin in 2019, the \$37.6 million of loan revenue would be rolled from 2019 to 2020 along with \$55.6 million of capital expenditures for Chimney Hollow. Planned C-BT purchases have been scaled back to accommodate the higher estimated cost of the Chimney Hollow Project.

Water – In order to stay within the current rate track and within the projected SIF revenues, the following loans are programmed into the 10-Year Plan:

WATER UTILITY BORROWING 2020 – 2029:

PROJECT	YEAR	AMOUNT
---------	------	--------

29th St. Tank #2 / Namaqua Hills Pump Stn.	2020	\$6.5M
East Gravity Zone: 28th St. SW Taft to Garfield	2023	\$5.0M
Hwy 402 Water Line Extension	2024	\$11.7M
43rd St. Tank #2	2025	\$3.0M
Service Center Expansion	2026	\$3.0M
36" Transmission Line Relining	2027	\$4.0M
East Gravity Zone: Garfield to Hwy 402	2029	<u>\$8.0M</u>
TOTAL		\$41.2M

This borrowing total of \$41.2 million compares to a total of \$34.5 million of loans that was programmed into last year's 10-Year Plan.

Wastewater – In order to stay within the current rate track and within the projected SIF revenues, the following loans are programmed into the Wastewater 10-Year Plan:

WASTEWATER UTILITY BORROWING 2020 – 2029:

PROJECT	YEAR	AMOUNT
Boyd Basin Capacity / WWTP Digester	2022	\$9.5M
Hwy 402 Wastewater Line Extension	2024	\$17.7M
Service Center Expansion	2026	<u>\$3.0M</u>
TOTAL		\$30.2M

This borrowing total of \$30.2 million compares to a total of \$32.2 million that was programmed into last year's Wastewater 10-Year Plan.

Power – In order to stay within the current rate track and within the projected PIF revenues, a single loan of \$5.0 million is programmed in 2024 to help fund a new southeast corridor substation and for Power's portion of the Service Center Expansion.

The proposed 10-Year CIPs will be presented to City Council at the June 11, 2019 Study Session.

More information on noteworthy projects is included from each utility in the following paragraphs.

Raw Water

Chimney Hollow Reservoir – The permitting process has been completed. The participants are working on determining the best ways to arrange financing (\$42.06M total cost for Loveland). Ongoing litigation is delaying this project. The amount budgeted for 2020 (\$4.356M) is the increase in cost over the 2019 Budget.

Acquisition of CBT Water – Staff monitors sales of CBT water and has arranged for referrals to potential sellers from Northern to be sent to the City. This budget item allows flexibility and responsiveness to consider and execute purchases of CBT water should desirable opportunities occur. Staff actively monitors the markets and negotiates with potential sellers.

Downstream Storage Reservoir – The land, which includes a mined & lined gravel pit located downstream from our wastewater treatment plant, was purchased in 2019. Due to the erosion from waves to the banks of the reservoir, riprap armoring will be installed starting in 2019. The armoring will protect the banks of the reservoir

from significant erosion that could threaten the structural integrity of the embankment. Construction of the necessary piping and pump station would begin in 2029.

18" Bypass Pipe Connections at Green Ridge Glade Reservoir – When the Green Ridge Glade Reservoir was built raw water from the Colorado Big Thompson (CBT) was conveyed around the construction through three 18" diameter high density polyethylene (HDPE) pipes. As a way to provide greater flexibility and reduce the risk of poor water quality entering the Water Treatment Plant (WTP) the City intends to enable the two remaining HDPE pipes to convey raw water from the Charles Hanson Feeder Canal directly to the WTP. This would help Operations staff ensure quality drinking water during periods of high taste and odor causing algae levels in the Green Ridge Glade Reservoir.

Water

Water Line Replacement Program – We have various amounts budgeted annually throughout the 10-year CIP starting in 2020. Locations will be determined yearly based on the age, type, and condition of pipe, as well as leak frequency (\$41.6M of construction over 10 years).

36" Transmission Main Relining – This project includes relining (or repairing) approximately four miles of the existing 36" steel transmission line west of town. This line was constructed in 1960 and is in poor condition. It is critical in conveying water to the City from the Water Treatment Plant (over \$6M starting in 2026).

East Gravity Zone 24" & 36" Distribution Line – This project will be phased in over several years depending on growth. It generally includes a portion of 36" diameter waterline and a portion of 24" waterline around the southeast side of Loveland to improve pressure and flow to the east side of town (approximately \$27.8M over 10 years starting in 2020).

Highway 402 Waterline Extension – As annexation and growth occurs along Colorado State Highway 402 the City anticipates extending water service along the corridor to meet demands. (over \$11.7M starting in 2022).

5.0 MG 29th Street Water Storage Tank – This tank will be located adjacent to the existing water tank on West 29th Street. It will provide much needed storage, for normal daily demands, fireflow, and emergency storage in the gravity zone (\$648k in 2019, \$8,748k in 2020).

3.5 MG 43rd St Water Storage Tank – Build a second tank at the 43rd St site to meet the increasing water demands in the P1 pressure zone that are a result of increased population in the northwest portion of the City (\$8.7M over 2 years starting in 2024).

Service Center Expansion – Expand the Service Center to accommodate growth of the Water & Power Staffs (\$6.0M in 2026 (Water Portion)).

Wastewater

Cured In-Place Pipe (CIPP) Sewer Rehab Program – We have various amounts budgeted every year between 2020 and 2029 to line existing sewer mains that have deteriorated or reached the end of their design life. Locations will be determined yearly based on the age, type, and condition of pipe (approximately \$28M).

Highway 402 Wastewater Main Extension – This project includes the design and construction of a new wastewater main and lift station. The main(s) will be designed to maximize gravity flow, but will need a regional lift station to collect wastewater. A condition of annexation for the Olson Annexation was that the City would provide wastewater service to the Annexation upon a development proposal (over \$16.2M starting in 2022).

Wastewater Treatment Plant Digested Sludge Dewatering – This project is in the area of the Waste Activated Sludge (WAS) thickening building, at the Wastewater Treatment Plant, and will incorporate centrifuges or

related technology for dewatering and solids cake loading into biosolids hauling trucks (\$2.2M in 2029 for design).

WWTP - Digester 1 & 2 Rehabilitation – This work includes a complete renovation of the existing digester tanks, mixing system, heating, and control room, which was originally constructed in 1986. (\$6.2M over 2 years starting in 2021)

Upper Body Basin Sanitary Sewer – Replace and up-size approximately 6,700 feet of sanitary sewer interceptor in the upper portion of the Old Boyd Basin. The undersized segment is mainly between Wilson and Taft and will accommodate flow from future growth. (\$6.9M starting in 2021).

Wastewater Treatment Plant Primary Clarifier Odor Control – In an effort to reduce odors the primary clarifiers and other associated odor causing processes will be covered. As a result of covering the clarifiers, some equipment and surface coatings will have to be replaced or rehabilitated to combat resulting sewer gases (\$2.9M starting in 2022).

IPS Wetwell Bypass & Coating – The influent pump station (IPS) wetwell collects sanitary sewer flow, after the headworks, and pumps it to the primary clarifiers. The IPS station handles all of the wastewater entering the WWTP. Over time the concrete in the wetwell has deteriorated due to hydrogen sulfide gas (H₂S) from the wastewater. The project will reconfigure the wetwell, repair deteriorated concrete, and install a H₂S barrier. (\$2.3M starting in 2025).

Service Center Expansion – Expand the Service Center to accommodate growth of the Water & Power Staffs (\$4.4M in 2026 (Wastewater Portion)).

Power

200 & 600 amp Cable Replacement Projects – These projects are located throughout the City. This cable is older and is frequently direct buried cable rather than in a conduit. The electric utility has experienced reliability issues at these location in the past due to the aging and direct buried cable.

Security Infrastructure at Substations – This project will provide better security to the substations in the distribution network. Currently, substations are enclosed with chain-linked fencing. This project will provide a solid barrier in addition to other security measures around the substations. (\$3.4M over 5 years starting in 2020).

Overhead to Underground Conversion – This project will take overhead lines and replace them with underground lines. This project will be along US Highway 287 from 29th street to 71st street. (\$3.1M over 3 years starting in 2020).

Feeder from Foothills Substation to Hunters Run for Development– This project is for the installation of a 600 amp feeder from Foothills Substation going north to serve the Hunters Run subdivision and future development in the northwest area of Loveland. (\$1.5M starting in 2020).

Metering Equipment - This project is for the purchase, installation and integration of a new Meter Data Management System (MDMS). This software will replace the current meter management system which is no longer being supported. This new MDMS will also allow us to maintain asset inventory and usage history used for billing customers as well as provide integration for the metering infrastructure used for our Coincident Peak and Aggregated Metering customers

New Substation – This project will build a new substation in the southern end of the service territory. When complete, this substation will be able to handle the growth that is anticipated south of 402 and will be able to accommodate I25 and CO 402 service area. (\$6.7M starting in 2024).

Foothills Substation New Switchgear and Transformers – The electric utility will be purchasing and installing new switchgears and transformers at Foothills Substation. This project will accommodate the anticipated future growth in the west and northwest areas of the city that are undeveloped. Upon installation, we will be extending the feeder from the new lineup at Foothills Substation into the electric distribution system. (\$3.1M starting in 2027).

Valley Substation new Switchgear and Transformer – The electric utility will be purchasing and installing new transformer and switchgear at the Valley Substation. Once these are installed we will be extending the feeder from the new lineup at Valley Substation into the electric distribution system. (V3 = \$2.3M starting in 2022 and V1 = 1.4M starting in 2025).

Airport Substation new Switchgear and Transformer – The electric utility will be purchasing and installing new transformer and switchgear at the Airport Substation. Upon installation, we will be extending the feeder from the new lineup at Airport Substation into the electric distribution system. (\$2.5M starting in 2022).

Installation of new Feeder from MCR to Kendall Parkway & I-25 – This project installs new 750 AL from Medical Center of the Rockies to Kendall Parkway and I-25. This will create a sub-to-sub tie between Crossroads Substation and Airport Substation. (\$400K starting in 2020).




Service Center Expansion – Expand the Service Center to accommodate growth of the Water & Power Staffs (\$8.5M in 2026 (Power Portion)).

Staff will present and seek a recommendation to City Council on all aspects of the proposed 2020 budget at the May LUC meeting.

RECOMMENDATION:

Adopt a motion recommending that City Council approve the proposed 2020 10-Year CIPs for the Raw Water, Water, Wastewater and Power Utilities.

ATTACHMENTS:

-  Attachment A: 2020 Water and Raw Water 10-Year Proposed CIP
-  Attachment B: 2020 Wastewater 10-Year Proposed 10-Year CIP
-  Attachment C: 2020 Power 10-Year Proposed 10-Year CIP

Attachment A

	Project	Proj #	Type	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	5-Year Total (2020-2024)	10-Year Total (2020-2029)	Raw Water	General Unrestricted	SIF - Restricted
TRANSMISSION/DISTRIBUTION PROJECTS																		
Water Main Replacement Projects																		
8	2020 Water Line Replacement (Sherri Mar)- Design/SDC	W1903C	Design/SDC	160,000	0	0	0	0	0	0	0	0	0	160,000	160,000	0%	100%	0%
9	2020 Water Line Replacement (Sherri Mar) - Construct	W1903C	Construct	2,000,000	0	0	0	0	0	0	0	0	0	2,000,000	2,000,000	0%	100%	0%
10	2021 Water Line Replacement (Namaqua Hills) - Design/SDC	0	Design/SDC	112,000	116,760	0	0	0	0	0	0	0	0	228,760	228,760	0%	100%	0%
11	2021 Water Line Replacement (Namaqua Hills) - Construct	0	Construct	0	1,459,500	0	0	0	0	0	0	0	0	1,459,500	1,459,500	0%	100%	0%
12	2022 Water Line Replacement (16" Taft Ave) - Design/SDC	0	Design/SDC	0	208,500	217,360	0	0	0	0	0	0	0	425,860	425,860	0%	100%	0%
13	2022 Water Line Replacement (16" Taft Ave) - Construct	0	Construct	0	0	2,717,020	0	0	0	0	0	0	0	2,717,020	2,717,020	0%	100%	0%
14	2023 Water Line Replacement (20" 29th St & 4th St) - Design/SDC	0	Design/SDC	0	0	163,020	220,930	0	0	0	0	0	0	383,950	383,950	0%	100%	0%
15	2023 Water Line Replacement (20" 29th St & 4th St) - Construct	0	Construct	0	0	0	2,945,790	0	0	0	0	0	0	2,945,790	2,945,790	0%	100%	0%
16	2024 Water Line Replacement - Design/SDC	0	Design/SDC	0	0	0	237,930	248,040	0	0	0	0	0	485,970	485,970	0%	100%	0%
17	2024 Water Line Replacement - Construct	0	Construct	0	0	0	0	3,307,210	0	0	0	0	0	3,307,210	3,307,210	0%	100%	0%
18	2025 Water Line Replacement - Design/SDC	0	Design/SDC	0	0	0	0	274,620	286,290	0	0	0	0	274,620	560,910	0%	100%	0%
19	2025 Water Line Replacement - Construct	0	Construct	0	0	0	0	0	3,817,170	0	0	0	0	0	3,817,170	0%	100%	0%
20	2026 Water Line Replacement - Design/SDC	0	Design/SDC	0	0	0	0	0	304,760	317,710	0	0	0	0	622,470	0%	100%	0%
21	2026 Water Line Replacement - Construct	0	Construct	0	0	0	0	0	0	4,236,140	0	0	0	0	4,236,140	0%	100%	0%
22	2027 Water Line Replacement - Design/SDC	0	Design/SDC	0	0	0	0	0	0	346,590	361,320	0	0	0	707,910	0%	100%	0%
23	2027 Water Line Replacement - Construct	0	Construct	0	0	0	0	0	0	0	4,817,650	0	0	0	4,817,650	0%	100%	0%
24	2028 Water Line Replacement - Design/SDC	0	Design/SDC	0	0	0	0	0	0	0	391,430	408,070	0	0	799,500	0%	100%	0%
25	2028 Water Line Replacement - Construct	0	Construct	0	0	0	0	0	0	0	0	5,440,930	0	5,440,930	0%	100%	0%	
26	2028 Water Line Replacement - Design/SDC	0	Design/SDC	0	0	0	0	0	0	0	0	408,070	0	408,070	0%	100%	0%	
27	2029 Water Line Replacement - Construct	0	Construct	0	0	0	0	0	0	0	0	0	5,672,170	5,672,170	0%	100%	0%	
28	2029 Water Line Replacement - Design/SDC	0	Design/SDC	0	0	0	0	0	0	0	0	0	425,410	425,410	0%	100%	0%	
29		0	0	0	0	0	0	0	0	0	0	0	0	0	0%	0%	0%	
30	24" & 48" Cathodic Protection Installation Design/SDC	0	Design/SDC	32,000	33,360	0	0	0	0	0	0	0	0	65,360	65,360	0%	100%	0%
31	24" & 48" Cathodic Protection Installation Construct	0	Construct	0	417,000	0	0	0	0	0	0	0	0	417,000	417,000	0%	100%	0%
32	34" Waterline Valve Insertions Design/SDC	0	Design/SDC	0	16,680	0	0	0	0	0	0	0	0	16,680	16,680	0%	100%	0%
33	34" Waterline Valve Insertions Construct	0	Construct	0	208,500	0	0	0	0	0	0	0	0	208,500	208,500	0%	100%	0%
34	36" Transmission Line Relining Design/SDC	0	Design/SDC	0	0	0	0	0	0	400,510	417,530	0	0	0	818,040	0%	100%	0%
35	36" Transmission Line Relining Construct	0	Construct	0	0	0	0	0	0	0	5,219,120	0	0	5,219,120	0%	100%	0%	
36		0	0	0	0	0	0	0	0	0	0	0	0	0	0%	0%	0%	
38	New water lines	0	0	0	0	0	0	0	0	0	0	0	0	0	0%	0%	0%	
39	37th St Waterline Connection Design/SDC	0	Design/SDC	0	0	0	0	0	0	0	0	0	0	0	0%	0%	0%	
40	37th St Waterline Connection Construct	0	Construct	150,000	0	0	0	0	0	0	0	0	0	150,000	150,000	0%	50%	50%
41		0	0	0	0	0	0	0	0	0	0	0	0	0	0%	0%	0%	
42	East Gravity Zone 24" Phase 1a St Louis Design/SDC	0	Design/SDC	100,000	0	0	0	0	0	0	0	0	0	100,000	100,000	0%	20%	80%
43	East Gravity Zone 24" Phase 1b St Louis Design/SDC	0	Design/SDC	0	200,160	208,670	0	0	0	0	0	0	0	408,830	408,830	0%	20%	80%

Water 10 Year Capital Budget - For City

1	Project	Proj #	Type	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	5-Year Total (2020-2024)	10-Year Total (2020-2029)	Raw Water	General Unrestricted	SIF - Restricted
44	East Gravity Zone 24" Phase 1b St Louis Construct		0 Construct	0	0	2,608,340	0	0	0	0	0	0	0	2,608,340	2,608,340	0%	20%	80%
45	East Gravity Zone 36" Phase 2 28th St SW Taft to Garfield Design/SDC		0 Design/SDC	0	0	652,080	679,800	0	0	0	0	0	0	1,331,880	1,331,880	0%	20%	80%
46	East Gravity Zone 36" Phase 2 28th St SW Taft to Garfield Construct		0 Construct	0	0	0	6,797,970	0	0	0	0	0	0	6,797,970	6,797,970	0%	20%	80%
47	East Gravity Zone 36" Phase 3 Garfield to 402 Design/SDC		0 Design/SDC	0	0	0	0	0	0	0	0	1,325,350	1,381,680	0	2,707,030	0%	20%	80%
48	East Gravity Zone 36" Phase 3 Garfield to 402 Construct		0 Construct	0	0	0	0	0	0	0	0	0	13,816,820	0	13,816,820	0%	20%	80%
49		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0%	0%	100%
50	16" in Granite (57th to 50th) (Ranch Acres) Design/SDC		0 Design/SDC	0	0	0	0	0	43,340	45,190	0	0	0	0	88,530	0%	50%	50%
51	16" in Granite (57th to 50th) (Ranch Acres) Construct		0 Construct	0	0	0	0	0	0	564,820	0	0	0	0	564,820	0%	50%	50%
52		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0%	10%	90%
53	402 Waterline Extension Design/SDC		0 Design/SDC	0	0	163,020	0	0	0	0	0	0	0	163,020	163,020	0%	0%	100%
54	402 Waterline Extension Design/SDC		0 Design/SDC	0	0	0	770,440	803,180	0	0	0	0	0	1,573,620	1,573,620	0%	0%	100%
55	402 Waterline Extension Construct		0 Construct	0	0	0	0	10,039,760	0	0	0	0	0	10,039,760	10,039,760	0%	0%	100%
56		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0%	0%	100%
57	16" P8 Extension (South of 34, Lot 1) Design/SDC		0 Design/SDC	48,000	0	0	0	0	0	0	0	0	0	48,000	48,000	0%	0%	100%
58	16" P8 Extension (South of 34, Lot 1) Construct		0 Construct	300,000	0	0	0	0	0	0	0	0	0	300,000	300,000	0%	0%	100%
59	16" P8 Extension (South of 34, Lot 2) Design/SDC		0 Design/SDC	0	0	52,170	0	0	0	0	0	0	0	52,170	52,170	0%	0%	100%
60	16" P8 Extension (South of 34, Lot 2) Construct		0 Construct	0	0	326,040	0	0	0	0	0	0	0	326,040	326,040	0%	0%	100%
61	16" P8 Extension (South of 34, Lot 3) Design/SDC		0 Design/SDC	0	0	0	108,770	0	0	0	0	0	0	108,770	108,770	0%	0%	100%
62	16" P8 Extension (South of 34, Lot 3) Construct		0 Construct	0	0	0	679,800	0	0	0	0	0	0	679,800	679,800	0%	0%	100%
63	16" P8 Extension (Under 34) Design/SDC		0 Design/SDC	0	0	0	67,980	70,870	0	0	0	0	0	138,850	138,850	0%	0%	100%
64	16" P8 Extension (Under 34) Construct		0 Construct	0	0	0	0	708,690	0	0	0	0	0	708,690	708,690	0%	0%	100%
65		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0%	0%	0%
67	Large Projects		0	0	0	0	0	0	0	0	0	0	0	0	0	0%	0%	0%
68	5.0 MG Water Storage 29th Street Tank #2 Design/SDC	W1904D	Design/SDC	648,000	0	0	0	0	0	0	0	0	0	648,000	648,000	0%	20%	80%
69	5.0 MG Water Storage 29th Street Tank #2 Construct	W1904D	Construct	8,100,000	0	0	0	0	0	0	0	0	0	8,100,000	8,100,000	0%	20%	80%
70	Namaqua Hills Pump Station Design/SDC	W1911C	Design/SDC	70,000	0	0	0	0	0	0	0	0	0	70,000	70,000	0%	100%	0%
71	Namaqua Hills Pump Station Construct	W1911C	Construct	700,000	0	0	0	0	0	0	0	0	0	700,000	700,000	0%	100%	0%
72		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0%	0%	0%
73	Morning Drive Pump Station MCC Upgrade Design/SDC		0 Design/SDC	0	0	0	22,660	23,620	0	0	0	0	0	46,280	46,280	0%	50%	50%
74	Morning Drive Pump Station MCC Upgrade Construct		0 Construct	0	0	0	0	236,230	0	0	0	0	0	236,230	236,230	0%	50%	50%
75	3.5 MG 43rd St Tank #2 Design/SDC		0 Design/SDC	0	0	0	0	574,510	598,930	0	0	0	0	574,510	1,173,440	0%	20%	80%
76	3.5 MG 43rd St Tank #2 Construct		0 Construct	0	0	0	0	0	7,486,590	0	0	0	0	0	7,486,590	0%	20%	80%
77	Mariana Butte Pump Station Pump Replacement Design/SDC		0 Design/SDC	0	0	0	0	0	0	0	20,070	20,930	0	0	41,000	0%	0%	100%
78	Mariana Butte Pump Station Pump Replacement Construct		0 Construct	0	0	0	0	0	0	0	0	418,530	0	0	418,530	0%	0%	100%
79	Chasteens Grove Water Booster Station Design/SDC		0 Design/SDC	0	0	0	0	0	0	0	0	0	145,440	0	145,440	0%	0%	100%
80	Chasteens Grove Water Booster Station Design/SDC		0 Design/SDC	0	0	0	0	0	0	0	0	0	0	0	0	0%	0%	100%
81	Chasteens Grove Water Booster Station Construct		0 Construct	0	0	0	0	0	0	0	0	0	0	0	0	0%	0%	100%
82	2.0 MG Dakota Ridge Buried Concrete Tank P22 Design/SDC		0 Design/SDC	0	0	0	0	0	0	0	0	0	799,920	0	799,920	0%	20%	80%

Water 10 Year Capital Budget - For City

1	Project	Proj #	Type	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	5-Year Total (2020-2024)	10-Year Total (2020-2029)	Raw Water	General Unrestricted	SIF - Restricted
83	2.0 MG Dakota Ridge Buried Concrete Tank PZ2 Construct		0 Construct	0	0	0	0	0	0	0	0	0	0	0	0	0%	20%	80%
84		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0%	0%	0%
91	FCLWD Interconnect at Crossroads Tank Design/SDC		0 Design/SDC	0	0	0	0	0	0	0	0	22,320	23,270	0	45,590	0%	100%	0%
92	FCLWD Interconnect at Crossroads Tank Construct		0 Construct	0	0	0	0	0	0	0	0	0	290,880	0	290,880	0%	100%	0%
93	Fire Training Grounds Water Metering Design/SDC		0 Design/SDC	8,000	8,340	0	0	0	0	0	0	0	0	16,340	16,340	0%	100%	0%
94	Fire Training Grounds Water Metering Construct		0 Construct	0	104,250	0	0	0	0	0	0	0	0	104,250	104,250	0%	100%	0%
98																		
99	Service Center Expansion Construct		0 Construct	0	0	0	0	0	0	5,969,110	0	0	0	0	5,969,110	0%	50%	50%
100		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0%	100%	0%
102	Miscellaneous		0	0	0	0	0	0	0	0	0	0	0	0	0	0%	0%	0%
103	Misc. Oversizing and Extensions	W1207D	Construct	75,000	78,190	81,510	84,970	88,590	92,350	96,280	100,370	104,630	109,080	408,260	910,970	0%	0%	100%
104	Trans/Dist Meters (Wtr Dept) (48317)	WA900	Construct	115,000	119,890	124,980	130,290	135,830	141,600	147,620	153,900	160,440	167,260	625,990	1,396,810	0%	100%	0%
105	Contractors Meters (New Development) (48316)	WA900	Construct	83,000	86,530	90,200	94,040	98,040	102,200	106,550	111,070	115,790	120,720	451,810	1,008,140	0%	100%	0%
106	millenium nw		0 Construct	30,000	0	0	0	0	0	0	0	0	0	30,000	30,000	0%	0%	100%
107	park side 2nd		0 Construct	0	52,130	0	0	0	0	0	0	0	0	52,130	52,130	0%	0%	100%
108	gator west 12" Granite Waterline		0 Construct	0	104,250	0	0	0	0	0	0	0	0	104,250	104,250	0%	0%	100%
110		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0%	0%	0%
111	TRANSMISSION/DISTRIBUTION TOTAL			\$12,731,000	\$3,214,040	\$7,404,410	\$12,841,370	\$16,609,190	\$12,873,230	\$12,230,520	\$11,592,460	\$8,425,060	\$22,952,650	52,800,010	120,873,930			
112																		
113																		
114	TRANSMISSION/DISTRIBUTION GENERAL TOTAL =			5,124,600	2,819,342	4,006,398	5,135,864	4,308,567	6,290,794	8,844,680	11,472,020	6,820,690	9,899,394	21,394,771	64,722,349			
115	TRANSMISSION/DISTRIBUTION SIF TOTAL =			7,531,400	316,508	3,316,502	7,620,536	12,212,033	6,490,086	3,289,560	20,070	1,499,740	12,944,176	30,996,979	55,240,611			
116	SIF OVERSIZING =			75,000	78,190	81,510	84,970	88,590	92,350	96,280	100,370	104,630	109,080	408,260	910,970			
117				0	0	0	0	0	0	0	0	0	0					
118																		
119	WATER TREATMENT PLANT PROJECTS																	
120	Expansion		0	0	0	0	0	0	0	0	0	0	0	0	0	0%	0%	0%
121	Cold Storage Building Construct	W1801D	Construct	250,000	0	0	0	0	0	0	0	0	0	250,000	250,000	0%	50%	50%
122	WTP Backwash Pond #8 Design/SDC		0 Design/SDC	0	0	0	0	0	0	0	0	78,130	81,450	0	159,580	0%	100%	0%
123	WTP Backwash Pond #8 Construct		0 Construct	0	0	0	0	0	0	0	0	0	1,018,080	0	1,018,080	0%	100%	0%
124	Phase 3 Expansion (38-46 MGD) Design/SDC		0 Design/SDC	0	0	0	0	0	0	0	0	0	0	0	0	0%	20%	80%
125	Phase 3 Expansion (38-46 MGD) Construct		0 Construct	0	0	0	0	0	0	0	0	0	0	0	0	0%	20%	80%
130		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0%	0%	0%
131	Improvements		0	0	0	0	0	0	0	0	0	0	0	0	0	0%	0%	0%
132		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0%	0%	0%
133	Backwash Pumps Construct		0 Construct	0	130,310	0	0	0	0	0	0	0	0	130,310	130,310	0%	100%	0%
134	PLC Processors Design/SDC		0 Design/SDC	0	0	38,040	0	0	0	0	0	0	0	38,040	38,040	0%	100%	0%
135	PLC Processors Construct		0 Construct	0	0	0	396,550	0	0	0	0	0	0	396,550	396,550	0%	100%	0%

Water 10 Year Capital Budget - For City

1	Project	Proj #	Type	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	5-Year Total (2020-2024)	10-Year Total (2020-2029)	Raw Water	General Unrestricted	SIF - Restricted
136	Pre Soda Ash System Rehab Design/SDC	0	Design/SDC	0	0	13,040	13,600	0	0	0	0	0	0	26,640	26,640	0%	100%	0%
137	Pre Soda Ash System Rehab Construct	0	Construct	0	0	0	169,950	0	0	0	0	0	0	169,950	169,950	0%	100%	0%
138	WTP Admin/Office Renovation Design/SDC	0	Design/SDC	0	104,250	108,680	0	0	0	0	0	0	0	212,930	212,930	0%	100%	0%
139	WTP Admin/Office Renovation Construct	0	Construct	0	0	1,086,810	0	0	0	0	0	0	0	1,086,810	1,086,810	0%	100%	0%
140	WTP Fire Pump Load Shedding Design/SDC	0	Design/SDC	7,500	7,820	0	0	0	0	0	0	0	0	15,320	15,320	0%	100%	0%
141	WTP Fire Pump with Load Shedding Construct	0	Construct	0	78,190	0	0	0	0	0	0	0	0	78,190	78,190	0%	100%	0%
142	WTP Filter Bldg 2 Concrete Wall Repair Design/SDC	0	Design/SDC	0	41,700	43,470	0	0	0	0	0	0	0	85,170	85,170	0%	100%	0%
143	WTP Filter Bldg 2 Concrete Wall Repair Construct	0	Construct	0	0	543,400	0	0	0	0	0	0	0	543,400	543,400	0%	100%	0%
144	WATER TREATMENT PLANT TOTALS			\$257,500	\$362,270	\$1,833,440	\$580,100	\$0	\$0	\$0	\$0	\$78,130	\$1,099,530	3,033,310	4,210,970			
147																		
148	WATER TREATMENT PLANT GENERAL TOTAL =			132,500	362,270	1,833,440	580,100	0	0	0	0	78,130	1,099,530	2,908,310	4,085,970			
149	WATER TREATMENT PLANT SIF TOTAL =			125,000	0	0	0	0	0	0	0	0	0	125,000	125,000			
150				0	0	0	0	0	0	0	0	0	0					
151																		
152	WATER RESOURCES PROJECTS																	
153	Windy Gap Firming (W038AA)	W038AA	Contract	4,356,080	0	0	0	0	0	0	0	0	0	4,356,080	4,356,080	100%	0%	0%
154	Future Water Court Transfer Actions	W1709A	Design/SDC	100,000	0	0	0	0	0	0	0	0	0	100,000	100,000	100%	0%	0%
155	Change of Heikes Water	0	Design/SDC	0	0	0	84,970	59,060	0	0	0	0	0	144,030	144,030	100%	0%	0%
156	Purchase CBT Water (W1014A) years 2020, 2021, 2022	W1014A	Contract	500,000	521,250	543,400	0	0	0	0	0	0	0	1,564,650	1,564,650	100%	0%	0%
157	Purchase CBT Water (W1014A) years 4 to 6	W1014A	Contract	0	0	0	566,500	0	0	0	0	0	0	566,500	566,500	100%	0%	0%
158	Purchase CBT Water (W1014A) years 7 to 9	W1014A	Contract	0	0	0	0	0	0	0	0	0	0	0	0	100%	0%	0%
159	Purchase CBT Water (W1014A) year 10	W1014A	Contract	0	0	0	0	0	0	0	0	0	0	0	0	100%	0%	0%
160	Downstream Storage - Armoring Construct	W1901A	Construct	434,600	0	0	0	0	0	0	0	0	0	434,600	434,600	100%	0%	0%
161	Downstream Storage - Phase 2 Design/SDC	0	Design/SDC	0	0	0	0	0	0	0	0	0	872,640	0	872,640	100%	0%	0%
162	Downstream Storage - Phase 3 Construct	0	Construct	0	0	0	0	0	0	0	0	0	0	0	0	100%	0%	0%
163	GRGR 18" Bypass Pipe Connections Design/SDC	W1902A	Design/SDC	120,000	0	0	0	0	0	0	0	0	0	120,000	120,000	100%	0%	0%
164	GRGR 18" Bypass Pipe Connections Construct	W1902A	Construct	1,500,000	0	0	0	0	0	0	0	0	0	1,500,000	1,500,000	100%	0%	0%
165	Great Western Pond #3 Water Rights Filing	0	Design/SDC	25,000	0	0	0	0	0	0	0	0	0	25,000	25,000	100%	0%	0%
166	WATER RESOURCES TOTAL			\$7,035,680	\$521,250	\$543,400	\$651,470	\$59,060	\$0	\$0	\$0	\$0	\$872,640	8,810,860	9,683,500			
167																		
170	WATER GENERAL PLANT																	
171	Service Center Renovations	W2004C	GP	250,000	0	0	0	0	0	0	0	0	0	250,000	250,000	0%	100%	0%
172	Service Center Renovations (years 2, 3, & 4)	0	GP	0	101,640	105,960	110,470	0	0	0	0	0	0	318,070	318,070	0%	100%	0%
173	Service Center Renovations (years 5, 6, & 7)	0	GP	0	0	0	0	115,160	120,060	125,160	0	0	0	115,160	360,380	0%	100%	0%
174	Service Center Renovations (years 8, 9, & 10)	0	GP	0	0	0	0	0	0	0	130,480	136,020	141,800	0	408,300	0%	100%	0%
175														0				
176	Lab Equipment	W2010C	GP	300,000	0	0	0	0	0	0	0	0	0	300,000	300,000	0%	100%	0%
177	Lab Equipment Replacement	WA930	GP	0	0	0	0	0	0	0	401,470	0	0	0	401,470	0%	100%	0%

Water 10 Year Capital Budget - For City

1	Project	Proj #	Type	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	5-Year Total (2020-2024)	10-Year Total (2020-2029)	Raw Water	General Unrestricted	SIF - Restricted
178		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0%	0%	0%
179	Stand Alone Server WPCD (now DCWP)	WA930	GP	7,280	0	0	0	0	0	0	0	0	0	7,280	7,280	0%	100%	0%
180	Utility Locator - Replacement	WA930	GP	9,800	0	0	0	0	0	0	0	0	0	9,800	9,800	0%	100%	0%
181	FME Safe Integration Software	WA930	GP	20,000	0	0	0	0	0	0	0	0	0	20,000	20,000	0%	100%	0%
182	2015 Ford Escape #2110 (previously leased)	WA930	GP	5,300	0	0	0	0	0	0	0	0	0	5,300	5,300	0%	100%	0%
183	Replace #6141 3/4 ton 4WD, Crew Cab, Utility Body	WA930	GP	54,000	0	0	0	0	0	0	0	0	0	54,000	54,000	0%	100%	0%
184	Replace #5122 Crane upgrading from 3,000# to 4,000#	WA930	GP	105,000	0	0	0	0	0	0	0	0	0	105,000	105,000	0%	100%	0%
185	Replace #6144 with 1/2 ton 4WD w/utility box Metering	WA930	GP	37,500	0	0	0	0	0	0	0	0	0	37,500	37,500	0%	100%	0%
186	Sonde - Replacement - this is to replace a unit every 5 years	WA930	GP	0	0	0	0	27,170	0	0	0	0	0	27,170	27,170	0%	100%	0%
187	Total Organic Carbon Analyzer - Replacement	WA930	GP	0	0	0	0	0	0	0	0	0	36,360	0	36,360	0%	100%	0%
188		0 WA930	GP	0	0	0	0	0	0	0	0	0	0	0	0	0%	100%	0%
189		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0%	100%	0%
190	WATER GENERAL PLANT TOTAL			\$788,880	\$101,640	\$105,960	\$110,470	\$142,330	\$120,060	\$125,160	\$531,950	\$136,020	\$178,160	1,249,280	2,340,630			
191	Total Water General capital			\$6,045,980	\$3,283,252	\$5,945,798	\$5,826,434	\$4,450,897	\$6,410,854	\$8,969,840	\$12,003,970	\$7,034,840	\$11,177,084	\$25,552,361	\$71,148,949			
192	TOTAL WATER CIP			\$20,813,060	\$4,199,200	\$9,887,210	\$14,183,410	\$16,810,580	\$12,993,290	\$12,355,680	\$12,124,410	\$8,639,210	\$25,102,980	65,893,460	137,109,030			Total =
193	Total Water less Raw Water CIP			\$13,777,380	\$3,677,950	\$9,343,810	\$13,531,940	\$16,751,520	\$12,993,290	\$12,355,680	\$12,124,410	\$8,639,210	\$24,230,340	57,082,600	127,425,530			
194	Wtr SIF Capital			7,731,400	394,698	3,398,012	7,705,506	12,300,623	6,582,436	3,385,840	120,440	1,604,370	13,053,256	31,530,239	56,276,581			
195	Raw Water Capital			\$7,035,680	\$521,250	\$543,400	\$651,470	\$59,060	\$0	\$0	\$0	\$0	\$872,640	8,810,860	9,683,500			
247																		
248	General Plant Inflation Only			100.00%														
249	Inflation =			100.00%	104.25%	108.68%	113.30%	118.11%	123.13%	128.37%	133.82%	139.51%	145.44%					
250																		

Attachment B

Project (this needs to be manually adjusted if there are construction projects that span more than 1 year)	Proj #	Design/SDC or Construct	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	5-Year Total (2020-2024)	10-Year Total (2020-2029)	General Unrestricted	SIF - Restricted
WASTEWATER LINE REPLACEMENT PROJECTS																
= it is in powerplan - still need to set up j/e																
	0	0	0	0	0	0	0	0	0	0	0	0	\$0	\$0	0%	0%
	0	0	0	0	0	0	0	0	0	0	0	0	\$0	\$0	0%	0%
New Wastewater Lines:	0	0	0	0	0	0	0	0	0	0	0	0	\$0	\$0	0%	0%
	0	0	0	0	0	0	0	0	0	0	0	0	\$0	\$0	0%	0%
Highway 402 Wastewater Main Extension Design/SDC		0 Design/SDC	0	0	217,360	1,076,350	0	0	0	0	0	0	\$1,293,710	\$1,293,710	0%	100%
Highway 402 Wastewater Main Extension - Design/SDC		0 Design/SDC	0	0	0	0	1,358,320	0	0	0	0	0	\$1,358,320	\$1,358,320	0%	100%
Highway 402 Wastewater Main Extension Construct		0 Construct	0	0	0	0	13,583,200	0	0	0	0	0	\$13,583,200	\$13,583,200	0%	100%
East Side Discharge Trunk to WWTP Design/SDC		0 Design/SDC	0	0	0	0	0	0	0	0	0	0	\$0	\$0	0%	100%
East Side Discharge Trunk to WWTP Construct		0 Construct	0	0	0	0	0	0	0	0	0	0	\$0	\$0	0%	100%
Upper Boyd Basin Sanitary Sewer Design/SDC		0 Design/SDC	0	552,530	576,010	0	0	0	0	0	0	0	\$1,128,540	\$1,128,540	10%	90%
Upper Boyd Basin Sanitary Sewer Construct		0 Construct	0	0	5,760,070	0	0	0	0	0	0	0	\$5,760,070	\$5,760,070	10%	90%
Abandon WWTP Sewer Re-route Design/SDC	W1901G	Design/SDC	28,000	0	0	0	0	0	0	0	0	0	\$28,000	\$28,000	100%	0%
Abandon WWTP Sewer Re-route Construct	W1901G	Construct	350,000	0	0	0	0	0	0	0	0	0	\$350,000	\$350,000	100%	0%
43rd Street Sewer Solution Design/SDC		0 Design/SDC	0	114,680	119,550	0	0	0	0	0	0	0	\$234,230	\$234,230	10%	90%
43rd Street Sewer Solution Construct		0 Construct	0	0	1,195,490	0	0	0	0	0	0	0	\$1,195,490	\$1,195,490	10%	90%
East 1st Street (FM) Discharge Vault Design/SDC	W2001G	Design/SDC	30,000	0	0	0	0	0	0	0	0	0	\$30,000	\$30,000	100%	0%
East 1st Street (FM) Discharge Vault Construct	W2001G	Construct	250,000	0	0	0	0	0	0	0	0	0	\$250,000	\$250,000	100%	0%
Sherri Mar (S. Colorado) 15" Sanitary Sewer Design/SDC	W2002H	Design/SDC	70,000	0	0	0	0	0	0	0	0	0	\$70,000	\$70,000	0%	100%
Sherri Mar (S. Colorado) 15" Sanitary Sewer Construct	W2002H	Construct	700,000	0	0	0	0	0	0	0	0	0	\$700,000	\$700,000	0%	100%
	0	0	0	0	0	0	0	0	0	0	0	0	\$0	\$0	0%	0%
Rehab Wastewater Lines:	0	0	0	0	0	0	0	0	0	0	0	0	\$0	\$0	0%	0%
2020 CIPP Sewer Rehab Construct	W2002G	Construct	1,000,000	0	0	0	0	0	0	0	0	0	\$1,000,000	\$1,000,000	100%	0%
2021 CIPP Sewer Rehab Construct		0 Construct	0	1,042,500	0	0	0	0	0	0	0	0	\$1,042,500	\$1,042,500	100%	0%
2022 CIPP Sewer Rehab Construct		0 Construct	0	0	706,420	0	0	0	0	0	0	0	\$706,420	\$706,420	100%	0%
2023 CIPP Sewer Rehab Construct		0 Construct	0	0	0	2,265,990	0	0	0	0	0	0	\$2,265,990	\$2,265,990	100%	0%
2024 CIPP Sewer Rehab Construct		0 Construct	0	0	0	0	2,362,300	0	0	0	0	0	\$2,362,300	\$2,362,300	100%	0%
2025 CIPP Sewer Rehab Construct		0 Construct	0	0	0	0	0	4,309,710	0	0	0	0	\$0	\$4,309,710	100%	0%
2026 CIPP Sewer Rehab Construct		0 Construct	0	0	0	0	0	0	3,851,040	0	0	0	\$0	\$3,851,040	100%	0%
2027 CIPP Sewer Rehab Construct		0 Construct	0	0	0	0	0	0	0	4,014,710	0	0	\$0	\$4,014,710	100%	0%
2028 CIPP Sewer Rehab Construct		0 Construct	0	0	0	0	0	0	0	0	4,185,330	0	\$0	\$4,185,330	100%	0%
2029 CIPP Sewer Rehab Construct		0 Construct	0	0	0	0	0	0	0	0	0	4,363,210	\$0	\$4,363,210	100%	0%
	0	0	0	0	0	0	0	0	0	0	0	0	\$0	\$0	0%	0%
Large Projects:	0	0	0	0	0	0	0	0	0	0	0	0	\$0	\$0	0%	0%
North Horseshoe Lift Station Upgrades Design/SDC	W2003G	Design/SDC	60,000	62,550	0	0	0	0	0	0	0	0	\$122,550	\$122,550	100%	0%
North Horseshoe Lift Station Upgrades Construct	W2003G	Construct	0	625,500	0	0	0	0	0	0	0	0	\$625,500	\$625,500	100%	0%
East Side Lift Station 3rd Pump Install Design/SDC		0 Design/SDC	0	0	0	0	0	36,940	38,510	0	0	0	\$0	\$75,450	0%	100%
East Side Lift Station 3rd Pump Install Construct		0 Construct	0	0	0	0	0	0	385,100	0	0	0	\$0	\$385,100	0%	100%
Southside Lift Station Generator Design/SDC		0 Design/SDC	0	0	43,470	45,320	0	0	0	0	0	0	\$88,790	\$88,790	100%	0%
Southside Lift Station Generator Construct		0 Construct	0	0	0	679,800	0	0	0	0	0	0	\$679,800	\$679,800	100%	0%
Bus Barn & Taft Lift Station Renovations Design/SDC	W2004G	Design/SDC	150,000	0	0	0	0	0	0	0	0	0	\$150,000	\$150,000	100%	0%
Bus Barn & Taft Lift Station Renovations Construct	W2004G	Construct	950,000	0	0	0	0	0	0	0	0	0	\$950,000	\$950,000	100%	0%
East Side Lift Station Overflow Vault Design/SDC		0 Design/SDC	0	0	0	0	0	86,190	89,860	0	0	0	\$0	\$176,050	50%	50%
East Side Lift Station Overflow Vault Construct		0 Construct	0	0	0	0	0	0	898,580	0	0	0	\$0	\$898,580	50%	50%
Boedecker Lift Station Generator Replacement Construct		0 Construct	0	0	0	226,600	0	0	0	0	0	0	\$226,600	\$226,600	100%	0%
Boyd Lift Station Generator Replacement Construct		0 Construct	0	0	0	226,600	0	0	0	0	0	0	\$226,600	\$226,600	100%	0%
Lakes Place Lift Station (HOA Fund) Construct		0 Construct	0	0	0	0	0	0	0	0	0	0	\$0	\$0	0%	0%
Service Center Expansion Construct		0 Construct	0	0	0	0	0	0	4,428,690	0	0	0	\$0	\$4,428,690	50%	50%
	0	0	0	0	0	0	0	0	0	0	0	0	\$0	\$0	0%	0%
Miscellaneous:	0	0	0	0	0	0	0	0	0	0	0	0	\$0	\$0	0%	0%
Oversizing & Extensions Agreement Construct	W1232H	Construct	75,000	78,190	81,510	84,970	88,590	92,350	96,280	100,370	104,630	109,080	\$408,260	\$910,970	0%	100%
Anderson 1st Oversizing Construct		0 Construct	0	417,000	0	0	0	0	0	0	0	0	\$417,000	\$417,000	0%	100%
Waters Edge Oversizing Construct		0 Construct	0	0	0	0	0	0	0	0	0	0	\$0	\$0	0%	100%
	0	0	0	0	0	0	0	0	0	0	0	0	\$0	\$0	0%	0%
WASTEWATER LINE REPLACEMENTS/LARGE PROJECTS			\$3,663,000	\$2,892,950	\$8,699,880	\$4,605,630	\$17,392,410	\$4,525,190	\$9,788,060	\$4,115,080	\$4,289,960	\$4,472,290	\$37,253,870	\$64,444,450		
WASTEWATER TREATMENT PLANT PROJECTS																
WWTP Final Clarifier #4 and RAS/Scum Design/SDC		0 Design/SDC	0	0	0	0	67	0	0	0	0	727,200	\$0	\$727,200	20%	80%

2020 Wastewater 10 Year Capital - For City

Project (this needs to be manually adjusted if there are construction projects that span more than 1 year)	Proj #	Design/SDC or Construct	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	5-Year Total (2020-2024)	10-Year Total (2020-2029)	General Unrestricted	SIF - Restricted
WWTP Final Clarifier #4 and RAS/Scum Construct	0	Construct	0	0	0	0	0	0	0	0	0	0	\$0	\$0	20%	80%
WWTP Primary Clarifier #3 & Trickling Filter Demo	0	Design/SDC	0	0	0	0	0	0	0	0	0	436,320	\$0	\$436,320	20%	80%
WWTP Primary Clarifier #3 & Trickling Filter Demo Construct	0	Construct	0	0	0	0	0	0	0	0	0	0	\$0	\$0	20%	80%
WWTP Digested Sludge Dewatering Design/SDC	0	Design/SDC	0	0	0	0	0	0	0	0	0	2,181,600	\$0	\$2,181,600	75%	25%
WWTP Digested Sludge Dewatering Construct	0	Construct	0	0	0	0	0	0	0	0	0	0	\$0	\$0	75%	25%
WWTP Upgrade PLC Processors Design/SDC	0	Design/SDC	0	36,490	0	0	0	0	0	0	0	0	\$36,490	\$36,490	100%	0%
WWTP Upgrade PLC Processors Construct	0	Construct	0	364,880	0	0	0	0	0	0	0	0	\$364,880	\$364,880	100%	0%
WWTP Rehabilitate Digester 1 & 2 Design/SDC	0	Design/SDC	0	260,630	543,400	0	0	0	0	0	0	0	\$804,030	\$804,030	100%	0%
WWTP Rehabilitate Digester 1 & 2 Construct	0	Construct	0	0	5,434,030	0	0	0	0	0	0	0	\$5,434,030	\$5,434,030	100%	0%
WWTP Primary Clarifier Odor Control Design/SDC	0	Design/SDC	0	0	81,510	0	0	0	0	0	0	0	\$81,510	\$81,510	100%	0%
WWTP Primary Clarifier Odor Control - Design/SDC	0	Design/SDC	0	0	0	226,600	236,230	0	0	0	0	0	\$462,830	\$462,830	100%	0%
WWTP Primary Clarifier Odor Control Construct	0	Construct	0	0	0	0	2,362,300	0	0	0	0	0	\$2,362,300	\$2,362,300	100%	0%
WWTP Admin Remodel Design/SDC	W2005G	Design/SDC	100,000	0	0	0	0	0	0	0	0	0	\$100,000	\$100,000	100%	0%
WWTP Admin Remodel Construct	W2005G	Construct	1,000,000	0	0	0	0	0	0	0	0	0	\$1,000,000	\$1,000,000	100%	0%
0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	\$0	0%	0%
0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	\$0	0%	0%
WWTP Entrance Gates w/Security Cameras Design/SDC	0	Design/SDC	0	33,360	0	0	0	0	0	0	0	0	\$33,360	\$33,360	100%	0%
WWTP Entrance Gates w/Security Cameras Construct	0	Construct	0	417,000	0	0	0	0	0	0	0	0	\$417,000	\$417,000	100%	0%
IPS Wetwell Bypass & Coating Design/SDC	0	Design/SDC	0	0	0	0	0	184,700	192,550	0	0	0	\$0	\$377,250	100%	0%
IPS Wetwell Bypass & Coating Construct	0	Construct	0	0	0	0	0	0	1,925,520	0	0	0	\$0	\$1,925,520	100%	0%
Replace HVAC Unit on WAS (Waste Activated Sludge)	W2006G	Construct	25,000	0	0	0	0	0	0	0	0	0	\$25,000	\$25,000	100%	0%
0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	\$0	0%	0%
WASTEWATER TREATMENT PLANT TOTAL			\$1,125,000	\$1,112,360	\$6,058,940	\$226,600	\$2,598,530	\$184,700	\$2,118,070	\$0	\$0	\$3,345,120	\$11,121,430	\$16,769,320		
WASTEWATER GENERAL PLANT - make sure Decision Packets are turned in for these:																
0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	\$0		
Lab Equipment for the New WQ Lab-Wastewater	W2010G	GP	300,000	0	0	0	0	0	0	0	0	0	\$300,000	\$300,000		
Lab Equipment Replacement - every 8 years	0	GP	0	0	0	0	0	0	0	401,470	0	0	\$0	\$401,470		
Miscellaneous Hardware Failures	WW930	GP	7,500	0	0	0	0	0	0	0	0	0	\$7,500	\$7,500		
Purchase leased Vehicle #2111 - 2015 Ford Escape	WW930	GP	5,100	0	0	0	0	0	0	0	0	0	\$5,100	\$5,100		
Unmanned Aircraft - Drone	WW930	GP	20,000	0	0	0	0	0	0	0	0	0	\$20,000	\$20,000		
New Staging Server	WW930	GP	8,000	0	0	0	0	0	0	0	0	0	\$8,000	\$8,000		
Integrated Voice Recognition Communication (IVR)	WW930	GP	300,000	0	0	0	0	0	0	0	0	0	\$300,000	\$300,000		
Replace Vehicle #6311 w/like Tandem Axle Dump Truck	WW930	GP	165,000	0	0	0	0	0	0	0	0	0	\$165,000	\$165,000		
Replace #6139 w/like 1 Ton, 4WD, DRW, Ext Cab	WW930	GP	56,000	0	0	0	0	0	0	0	0	0	\$56,000	\$56,000		
0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	\$0		
WASTEWATER GENERAL PLANT TOTAL			861,600	0	0	0	0	0	0	401,470	0	0	861,600	1,263,070		
0																
General Capital:																
WW LINE REPLACEMENT GENERAL TOTAL =			2,818,000	1,797,271	1,515,002	3,444,310	2,362,300	4,352,805	6,559,605	4,014,710	4,185,330	4,363,210	11,936,883	35,412,543		
WW TREATMENT PLANT GENERAL TOTAL =			1,125,000	1,112,360	6,058,940	226,600	2,598,530	184,700	2,118,070	0	0	1,868,904	11,121,430	15,293,104		
WASTEWATER GENERAL PLANT TOTAL=			861,600	0	0	0	0	0	0	401,470	0	0	861,600	1,263,070		
Total General:			4,804,600	2,909,631	7,573,942	3,670,910	4,960,830	4,537,505	8,677,675	4,416,180	4,185,330	6,232,114	23,919,913	51,968,717		
SIF Capital:																
WW LINE REPLACEMENT SIF TOTAL =			770,000	600,489	7,103,368	1,076,350	14,941,520	80,035	3,132,175	0	0	0	24,491,727	27,703,937		
WW SIF OVERSIZING TOTAL =			75,000	495,190	81,510	84,970	88,590	92,350	96,280	100,370	104,630	109,080	825,260	1,327,970		
WW TREATMENT PLANT SIF TOTAL =			0	0	0	0	0	0	0	0	0	1,476,216	0	1,476,216		
Total SIF:			845,000	1,095,679	7,184,878	1,161,320	15,030,110	172,385	3,228,455	100,370	104,630	1,585,296	25,316,987	30,508,123		
Inflation =		100.00%	100.00%	104.25%	108.68%	113.30%	118.11%	123.13%	128.37%	133.82%	139.51%	145.44%				

Attachment C

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
1	Project	Project #	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	5-Year Total (2020-2024)	10-Year Total (2020-2029)	General Unrestricted	SIF - Restricted
2	CAPITAL BLANKETS															
3	Hydro Generation	PW900	0	0	0	0	0	0	0	0	0	0	0	0	100%	0%
4	Overhead Distribution Lines	PW901	25,000	25,880	26,780	27,720	28,690	29,690	30,730	31,810	32,920	34,070	134,070	293,290	100%	0%
5	Underground Distribution Lines	PW902	200,000	207,000	214,250	221,740	229,500	237,540	245,850	254,460	263,360	272,580	1,072,490	2,346,280	100%	0%
6	Meter purchases/installs/upgrades	PW903	500,000	517,500	535,610	554,360	573,760	593,840	614,630	636,140	658,400	681,450	2,681,230	5,865,690	100%	0%
7	Distribution transformers	PW904	150,000	155,250	160,690	166,310	172,120	178,150	184,390	190,840	197,530	204,440	804,370	1,759,720	100%	0%
8	Substation	PW905	0	0	0	0	0	0	0	0	0	0	0	0	100%	0%
9	Street lights & Yard lights	PW906	350,000	362,250	374,930	388,050	401,630	415,690	430,240	445,300	460,880	477,010	1,876,860	4,105,980	100%	0%
10	Overhead Service installations/upgrades	PW907	10,000	10,350	10,710	11,090	11,480	11,880	12,290	12,720	13,170	13,630	53,630	117,320	100%	0%
11	Underground Service installations/upgrades	PW908	250,000	258,750	267,810	277,180	286,880	296,920	307,310	318,070	329,200	340,720	1,340,620	2,932,840	100%	0%
12	Temporary Service installations	PW909	50,000	51,750	53,560	55,440	57,380	59,380	61,460	63,610	65,840	68,140	268,130	586,560	100%	0%
13	CAPITAL BLANKETS TOTAL		1,535,000	1,588,730	1,644,340	1,701,890	1,761,440	1,823,090	1,886,900	1,952,950	2,021,300	2,092,040	8,231,400	18,007,680		
14																
15	GENERAL (UNRESTRICTED) TOTAL =		1,535,000	1,588,730	1,644,340	1,701,890	1,761,440	1,823,090	1,886,900	1,952,950	2,021,300	2,092,040	8,231,400	18,007,680		
16	PIF (RESTRICTED) TOTAL =		0	0	0	0	0	0	0	0	0	0	0	0		
17			0	0	0	0	0	0	0	0	0	0	0	0		
18	SPECIFIC PROJECTS															
19	HYDRO GENERATION															
20		0 PW910	0	0	0	0	0	0	0	0	0	0	0	0	100%	0%
21	SUBSTATION															
22	Capital Maintenance	PW911	150,000	155,250	160,680	166,310	172,130	178,150	184,390	190,840	197,520	204,430	804,370	1,759,700	100%	0%
23	Security gates and fences at Substations	PW911	650,000	672,750	696,300	720,667	745,890	0	0	0	0	0	3,485,607	3,485,607	100%	0%
24	Relay Replacements at Substations - Airport	PW911	0	232,880	0	0	0	0	0	0	0	0	232,880	232,880	100%	0%
25	East Substation - Replace Transformer E1	PW911	600,000	0	0	0	0	0	0	0	0	0	600,000	600,000	100%	0%
26	East Substation - Order and Install Transformer E2	PW911	0	0	0	0	0	0	958,820	0	0	0	0	958,820	100%	0%
27	Substation Annunciators	PW911	150,000	155,250	0	0	0	0	0	0	0	0	305,250	305,250	100%	0%
28	Airport Substation - Order and Install Switchgear and Transformer A1 and A2	PW911	0	0	2,099,600	0	0	0	0	0	0	0	2,099,600	2,099,600	100%	0%
29	Valley Substation - Order and Install Transformer V1	PW911	0	0	0	0	0	855,130	0	0	0	0	0	855,130	100%	0%
30	Extend new feeders for PRPA community solar garden into system	PW911	0	0	0	0	0	0	0	0	0	0	0	0	100%	0%
31	Order and Install of Switchgear for H1 & H2	PW911	700,000	0	0	0	0	0	0	0	0	0	700,000	700,000	100%	0%
32	Begin retirement of west substation	PW911	0	0	0	0	0	0	0	0	0	0	0	0	100%	0%
33	Extension of underground transmission to serve new substation in SE corner of service territory	PW911	0	0	0	0	0	0	0	0	0	0	0	0	100%	0%
34	CUSTOMER ATC															
35	Transformers	PW904	450,000	465,750	482,050	498,920	516,390	534,460	553,160	572,530	592,560	613,300	2,413,110	5,279,120	100%	0%
36	Labor/Fleet & Other Materials	PW912	1,260,000	1,304,100	1,563,990	1,618,730	1,675,380	1,734,020	1,794,710	1,857,530	1,922,540	1,989,830	7,422,200	16,720,830	100%	0%
37	open	PW912	0	0	0	0	0	0	0	0	0	0	0	0	100%	0%
38	SYSTEM IMPROVEMENTS															
39	Underground blanket-development driven construction of lateral feeder extensions as required to meet new load requirements	PW913	150,000	155,250	160,680	166,310	172,130	178,150	184,390	190,840	197,520	204,430	804,370	1,759,700	100%	0%
40	Demand Response	PW913	150,000	155,250	160,680	166,310	172,130	178,150	184,390	190,840	197,520	204,430	804,370	1,759,700	100%	0%
41	Smaller Aging Infrastructure Replacement Projects - Unplanned	PW913	375,000	388,130	401,710	415,770	430,320	445,380	460,970	477,100	493,800	511,090	2,010,930	4,399,270	100%	0%
42	Distribution Automation	PW913	110,000	113,850	117,830	121,960	126,230	130,650	135,220	139,950	144,850	149,920	589,870	1,290,460	100%	0%
43	Planned Future Projects - General	PW913	0	0	0	1,829,380	1,721,280	1,793,410	2,827,290	4,007,680	3,555,380	3,679,820	3,550,660	19,414,240	100%	0%
44	Planned Future Projects - Worst Performing Feeders	PW913	0	0	0	0	0	0	2,458,511	2,544,559	2,633,618	2,725,795	0	10,362,482	100%	0%
45	Energy Diversification Projects	PW913	300,000	310,500	321,370	332,620	344,260	356,310	368,780	381,680	395,040	408,870	1,608,750	3,519,430	100%	0%
46	200 AMP Cable Replacement - Planned	PW913	300,000	310,500	321,370	332,620	344,260	356,310	368,780	381,680	395,040	408,870	1,608,750	3,519,430	100%	0%
47	1 - Install 600 amp tie from Cascade west along Hwy 34, turning south on Rossum to Saint Andrews	PW913	0	0	0	0	0	0	0	0	0	61,330	0	61,330	100%	0%
48	2 - Canyon Voltage Conversion from Idlewilde Park to Waltonia Rd	PW913	0	0	0	0	0	0	0	0	0	0	0	0	100%	0%
49	3 - Extend new feeders from Foothills Substation from W. 22nd & Rio Blanco to Rossum and Eisenhower	PW913	400,000	0	0	0	0	0	0	0	0	0	400,000	400,000	100%	0%
50	43 - Extend new feeders from Foothills Substation from W. 22nd & Cascade to Eisenhower	PW913	0	0	0	0	0	0	0	0	0	0	0	0	100%	0%
51	Hipstreets	PW913	0	0	0	0	0	0	0	0	0	0	0	0	100%	0%
52	45 - Transfer West Substation Circuit 914 to Foothills Substation	PW913	500,000	0	0	0	0	0	0	0	0	0	500,000	500,000	100%	0%
53	0 PW913		0	0	0	0	0	0	0	0	0	0	0	0	100%	0%
54	CONVERSION PROJECTS															
55	Conversion Capital Maintenance	PW914	300,000	310,500	321,370	332,620	344,260	356,310	368,780	381,680	395,040	408,870	1,608,750	3,519,430	100%	0%
56	4 - Overhead to underground conversion Wilson Ave & Carlisle to SW 10th & Tyler	PW914	0	672,750	0	0	0	0	0	0	0	0	672,750	672,750	100%	0%
57	39 - Overhead to underground conversion (circuit 214) on Eisenhower from Gorum to Madison - Downtown Backbone	PW914	510,000	0	0	0	0	0	0	0	0	0	510,000	510,000	100%	0%

Power Ten Year CIP Plan for City

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
1	Project	Project #	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	5-Year Total (2020-2024)	10-Year Total (2020-2029)	General Unrestricted	SIF - Restricted
58	6 - Overhead to underground conversion along 29th St from Madison to Hwy 287	PW914	0	776,250	0	0	0	0	0	0	0	0	776,250	776,250	100%	0%
59	8 - Overhead to underground conversion (circuits 222 & 221) from 11th along Madison to 1st	PW914	30,000	470,930	0	0	0	0	0	0	0	0	500,930	500,930	100%	0%
60	9 - Overhead to underground conversion (circuit 713) from 402 & Lincoln N to 1st St	PW914	0	0	0	44,350	929,490	0	0	0	0	0	973,840	973,840	100%	0%
61	10 - Overhead to underground conversion (circuit 411) along S. Taft from 20th St. SW to 23rd St. SW.	PW914	0	0	0	44,350	814,740	0	0	0	0	0	859,090	859,090	100%	0%
62	12 - Overhead to underground conversion (circuit 411) on railroad right of way from Taft to Grant	PW914	0	0	589,170	0	0	0	0	0	0	0	589,170	589,170	100%	0%
63	13 - Overhead to underground conversion along 14th St. SW between Roosevelt & S. Taft Ave.	PW914	0	20,700	621,310	0	0	0	0	0	0	0	642,010	642,010	100%	0%
64	14 - Overhead to underground conversion along 14th St. SE from St. Louis going .26 miles east	PW914	10,000	403,650	0	0	0	0	0	0	0	0	413,650	413,650	100%	0%
65	15 - Overhead to underground conversion along Madison between 16th & SW257 along ckt 231	PW914	0	0	53,560	1,053,280	0	0	0	0	0	0	1,106,840	1,106,840	100%	0%
66	16 - Overhead to underground conversion along Madison between 29th and vault 1023 - 200 amp	PW914	0	0	0	0	11,480	463,200	0	0	0	0	11,480	474,680	100%	0%
67	17 - Overhead to underground conversion - Foundry	PW914	0	0	0	0	0	0	0	0	0	0	0	0	100%	0%
68	18 - Overhead to underground conversion on 29th - Logan to Garfield	PW914	0	776,250	0	0	0	0	0	0	0	0	776,250	776,250	100%	0%
69	34 - Overhead to underground conversion on S. Roosevelt	PW914	0	0	0	0	1,377,030	0	0	0	0	0	1,377,030	1,377,030	100%	0%
70	40 - Overhead to underground conversion circuit 214 - Eisenhower between Madison and Boise - Downtown Backbone	PW914	0	0	492,760	0	0	0	0	0	0	0	492,760	492,760	100%	0%
71	36 - Overhead to underground conversion circuit 214 - RR between 3rd and 7th - Downtown Backbone	PW914	0	0	0	476,750	0	0	0	0	0	0	476,750	476,750	100%	0%
72	37 - Overhead to underground conversion circuit 214 - 7th between RR and Monroe - Downtown Backbone	PW914	0	0	669,520	0	0	0	0	0	0	0	669,520	669,520	100%	0%
73	38 - Overhead to underground conversion circuit 214 - Monroe between 7th and 11th - Downtown Backbone	PW914	0	445,050	0	0	0	0	0	0	0	0	445,050	445,050	100%	0%
74	41 - Overhead to underground conversion circuit 214 - Gorom between Eisenhower and 11th - Downtown Backbone	PW914	230,000	0	0	0	0	0	0	0	0	0	230,000	230,000	100%	0%
75	46 - Overhead to Underground conversion - Highway 287 from 29th St to 41st St	PW914	1,000,000	0	0	0	0	0	0	0	0	0	1,000,000	1,000,000	100%	0%
76	47 - Overhead to Underground conversion - Highway 287 from 41st St to 57th St	PW914	0	1,035,000	0	0	0	0	0	0	0	0	1,035,000	1,035,000	100%	0%
77	48 - Overhead to Underground conversion - Highway 287 from 57th St to 71st St	PW914	0	0	1,071,230	0	0	0	0	0	0	0	1,071,230	1,071,230	100%	0%
78		0 PW914	0	0	0	0	0	0	0	0	0	0	0	0	100%	0%
79	ROAD RELATED PROJECTS		0	0	0	0	0	0	0	0	0	0	0	0	0%	0%
80	Miscellaneous Small Projects	PW913	100,000	103,500	107,120	277,180	286,880	296,920	307,310	318,070	329,200	340,720	874,680	2,466,900	100%	0%
81	19 - Reconductor 921 on N Taft Ave from railroad right of way to Eisenhower	PW913	470,250	0	0	0	0	0	0	0	0	0	470,250	470,250	100%	0%
82		0 PW913	0	0	0	0	0	0	0	0	0	0	0	0	100%	0%
83		0 PW913	0	0	0	0	0	0	0	0	0	0	0	0	100%	0%
84	STREET LIGHT PROJECTS		0	0	0	0	0	0	0	0	0	0	0	0	0%	0%
85	Arterials/Major Collectors	PW915	150,000	155,250	160,680	166,310	172,130	178,150	184,390	190,840	197,520	204,430	804,370	1,759,700	100%	0%
86	Customer requests/Miscellaneous projects	PW915	100,000	103,500	107,120	110,870	114,750	118,770	122,930	127,230	131,680	136,290	536,240	1,173,140	100%	0%
87		0	0	0	0	0	0	0	0	0	0	0	0	0	0%	0%
88	TOTAL SPECIFIC PROJECTS		9,145,250	9,692,790	10,680,100	8,875,307	10,471,160	8,153,470	11,462,821	11,953,049	11,778,828	12,252,425	48,864,607	104,465,199		
89																
90	HYDRO GENERATION (GENERAL) =		0	0	0	0	0	0	0	0	0	0	0	0		
91	SUBSTATION (GENERAL) =		2,250,000	1,216,130	2,956,580	886,977	918,020	1,033,280	1,143,210	190,840	197,520	204,430	8,227,707	10,996,987		
92	CUSTOMER ATC (GENERAL) =		1,710,000	1,769,850	2,046,040	2,117,650	2,191,770	2,268,480	2,347,870	2,430,060	2,515,100	2,603,130	9,835,310	21,999,950		
93	SYSTEM IMPROVEMENTS (GENERAL) =		2,285,000	1,433,480	1,483,640	3,364,970	3,310,610	3,438,360	6,988,331	8,314,329	8,012,768	8,354,555	11,877,700	46,986,042		
94	CONVERSIONS (GENERAL) =		2,080,000	4,911,080	3,818,920	1,951,350	3,477,000	819,510	368,780	381,680	395,040	408,870	16,238,350	18,612,230		
95	ROAD RELATED PROJECTS (GENERAL) =		570,250	103,500	107,120	277,180	286,880	296,920	307,310	318,070	329,200	340,720	1,344,930	2,937,150		
96	STREET LIGHT PROJECTS (GENERAL) =		250,000	258,750	267,800	277,180	286,880	296,920	307,320	318,070	329,200	340,720	1,340,610	2,932,840		
97			0	0	0	0	0	0	0	0	0	0	0	0		
98	PLANT INVESTMENT FEE PROJECTS															
99	SUBSTATION PIF PROJECTS		0	0	0	0	0	0	0	0	0	0	0	0	0%	0%
100	Valley Substation - V3 Switchgear and Transformer	PW920	0	0	2,303,130	0	0	0	0	0	0	0	2,303,130	2,303,130	0%	100%
101		0 PW920	0	0	0	0	0	0	0	0	0	0	0	0	0%	100%
102		0 PW920	0	0	0	0	0	0	0	0	0	0	0	0	0%	100%
103	Valley Substation - Order & Install Transformer V1	PW920	0	0	0	0	0	570,090	0	0	0	0	0	570,090	0%	100%

Power Ten Year CIP Plan for City

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
1	Project	Project #	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	5-Year Total (2020-2024)	10-Year Total (2020-2029)	General Unrestricted	SIF - Restricted
104	Airport Substation - Order & Install Switchgear and Transformer A1 & A2	PW920	0	0	524,900	0	0	0	0	0	0	0	524,900	524,900	0%	100%
105	Horseshoe Substation - Install new switchgear for H1 & H2	PW920	700,000	0	0	0	0	0	0	0	0	0	700,000	700,000	0%	100%
106	New Substation in SE corner of service territory	PW920	0	0	0	0	6,727,170	0	0	0	0	0	6,727,170	6,727,170	0%	100%
107	Replace Airport Substation Transformer	PW920	0	931,500	0	0	0	0	0	0	0	0	931,500	931,500	0%	100%
108	Foothills Substation - Order & Install F3 & F4 Transformers	PW920	0	0	0	0	0	0	0	3,180,700	0	0	0	3,180,700	0%	100%
109	Replace Horseshoe Substation Transformer H1	PW920	0	0	0	0	0	0	0	0	1,185,130	0	0	1,185,130	0%	100%
110	Land Purchase	PW920	700,000	0	0	0	0	0	0	0	0	0	700,000	700,000	0%	100%
111	Land Development	PW920	900,000	0	0	0	0	0	0	0	0	0	900,000	900,000	0%	100%
112	East Substation - Order & Install Transformer E2	PW920	0	0	0	0	0	0	639,210	0	0	0	0	639,210	0%	100%
113	East Substation - Order and Install new Transformer - E1	PW920	400,000	0	0	0	0	0	0	0	0	0	400,000	400,000	0%	100%
114		0 PW920	0	0	0	0	0	0	0	0	0	0	0	0	0%	100%
115	FEEDER PIF PROJECTS		0	0	0	0	0	0	0	0	0	0	0	0	0%	0%
116	Blanket-development driven construction of miscellaneous primary feeder extensions as required to meet new load requirements	PW921	150,000	155,250	160,680	166,310	172,130	178,150	184,390	190,840	197,520	204,430	804,370	1,759,700	0%	100%
117	21 - Feeder from Foothills to Hunters Run	PW921	1,500,000	0	0	0	0	0	0	0	0	0	1,500,000	1,500,000	0%	100%
118	22 - Install conduits from Byrd Dr to I25 Frontage Rd, connecting at Kendall Pkwy	PW921	900,000	0	0	0	0	0	0	0	0	0	900,000	900,000	0%	100%
119	44 - Install 750 AL from MCR to Kendall Pkwy & I25 - sub to sub tie between Crossroads and Airport	PW921	400,000	0	0	0	0	0	0	0	0	0	400,000	400,000	0%	100%
120	23 - Sub to Sub Tie - Install new conduit bank and 750 AL from Garfield to CR 11	PW921	0	0	0	886,970	0	0	0	0	0	0	886,970	886,970	0%	100%
121	24 - Sub to Sub Tie - Install new conduit bank and 750 AL from 57th and Taft to vault V1780.	PW921	0	0	53,560	776,100	0	0	0	0	0	0	829,660	829,660	0%	100%
122	25 - Foothills Substation Conduit - Install new conduit along W. 22nd east from Rio Blanco to Van Buren	PW921	0	0	0	0	0	0	1,843,880	0	0	0	0	1,843,880	0%	100%
123	26 - Extend new feeders from Valley V3 into system	PW921	0	0	53,560	1,552,210	0	0	0	0	0	0	1,605,770	1,605,770	0%	100%
124	42 - Extend new feeders from East Sub to Boise and 402	PW921	500,000	0	0	0	0	0	0	0	0	0	500,000	500,000	0%	100%
125	27 - Extend new feeders from Boise and 402 to I25 towards future new substation	PW921	50,000	2,018,250	0	0	0	0	0	0	0	0	2,068,250	2,068,250	0%	100%
126	29 - Sub to Sub Tie - Install new duct bank and 750 AL on Madison E on 37th to CR11C, N to 57th St	PW921	0	0	0	0	0	59,380	921,940	0	0	0	0	981,320	0%	100%
127	30 - Sub to Sub Tie - Extend new feeders along CR 11 from 57th St. to CR 30	PW921	0	0	0	0	0	0	0	25,450	1,027,110	0	0	1,052,560	0%	100%
128	31 - Sub to Sub Tie - Extend new feeders along CR 11 from Boyd Lake Ave. to CR 30	PW921	0	0	0	0	0	0	0	0	1,975,210	0	0	1,975,210	0%	100%
129	35 - The Brands - Byrd Dr Fairgrounds along Crossroads	PW921	450,000	0	0	0	0	0	0	0	0	0	450,000	450,000	0%	100%
130	20 - Extension of 600 amp from 14th st sw to hwy 60 along hwy 287	PW921	0	0	0	0	0	0	0	0	0	0	0	0	0%	100%
131	49 - 37th St. 600amp Extension between Boyd Lake Ave and Rocky Mountain Blvd	PW921	0	0	0	0	0	0	0	0	0	0	0	0	0%	100%
132	50 - County Road 30 - Phase II - I25 Crossing	PW921	0	0	0	0	0	0	0	0	0	0	0	0	0%	100%
133		0 PW921	0	0	0	0	0	0	0	0	0	0	0	0	0%	100%
134	POWER GENERATION PIF		0	0	0	0	0	0	0	0	0	0	0	0	0%	0%
135	Service Center Expansion - PIF		0	0	0	0	0	0	4,240,930	0	0	0	0	4,240,930	0%	100%
136	TOTAL PIF PROJECTS		6,650,000	3,105,000	3,095,830	3,381,590	6,899,300	807,620	7,830,350	3,396,990	4,384,970	204,430	23,131,720	39,756,080		
137																
138	SUBSTATION PROJECTS (RESTRICTED) =		2,700,000	931,500	2,828,030	0	6,727,170	570,090	639,210	3,180,700	1,185,130	0	13,186,700	18,761,830		
139	FEEDER PROJECTS (RESTRICTED) =		3,950,000	2,173,500	267,800	3,381,590	172,130	237,530	2,950,210	216,290	3,199,840	204,430	9,945,020	16,753,320		
140	POWER GENERATION PROJECTS (RESTRICTED) =		0	0	0	0	0	0	4,240,930	0	0	0	0	4,240,930		
141			0	0	0	0	0	0	0	0	0	0	0	0		
142	GENERAL PLANT															
143	New Field Test Kit for Commercial Applications - Metering	PW930	55,000	0	0	0	0	0	0	0	0	0	55,000	55,000	100%	0%
144	Replace #5208 - 3/4 Ton, Extended Cab 4WD	PW930	52,000	0	0	0	0	0	0	0	0	0	52,000	52,000	100%	0%
145	Replace #5304 - 2020 Ford F450 with Service Body	PW930	115,000	0	0	0	0	0	0	0	0	0	115,000	115,000	100%	0%
146		0 PW930	0	0	0	0	0	0	0	0	0	0	0	0	100%	0%
147		0 PW930	0	0	0	0	0	0	0	0	0	0	0	0	100%	0%
148		0 PW930	0	0	0	0	0	0	0	0	0	0	0	0	100%	0%
149	Service Center Renovations	PW930	0	98,330	101,770	105,330	109,010	112,830	116,780	120,870	125,100	129,480	414,440	1,019,500	100%	0%
150	Service Center Expansion - Gen	PW930	0	0	0	0	0	0	4,240,930	0	0	0	0	4,240,930	100%	0%
151		PW930														
152		0 PW930	0	0	0	0	0	0	0	0	0	0	0	0	100%	0%
153	TOTAL GENERAL PLANT PROJECTS		222,000	98,330	101,770	105,330	109,010	112,830	4,357,710	120,870	125,100	129,480	636,440	5,482,430		
154																
156	POWER GENERAL TOTAL =		10,902,250	11,379,850	12,426,210	10,682,527	12,341,610	10,089,390	17,707,431	14,026,869	13,925,228	14,473,945	57,732,447	127,955,309		
157	POWER PIF TOTAL =		6,650,000	3,105,000	3,095,830	3,381,590	6,899,300	807,620	7,830,350	3,396,990	4,384,970	204,430	23,131,720	39,756,080		

Power Ten Year CIP Plan for City

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
1	Project	Project #	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	5-Year Total (2020-2024)	10-Year Total (2020-2029)	General Unrestricted	SIF - Restricted
158			0	0	0	0	0	0	0	0	0	0	0	0		
160	TOTAL POWER CAPITAL EXPENDITURES =		17,552,250	14,484,850	15,522,040	14,064,117	19,240,910	10,897,010	25,537,781	17,423,859	18,310,198	14,678,375	80,864,167	167,711,389		
161			0 Difference between City and Cash Flow													
167	Inflation =		100.00%	103.50%	107.12%	110.87%	114.75%	118.77%	122.93%	127.23%	131.68%	136.29%				

ITEM TITLE:

Augmentation Water Rental Policy Discussion

DESCRIPTION:

The City of Loveland is receiving requests to provide augmentation water in the form of long-term lease agreements. For comparison, this Staff Report discusses the ways in which several water suppliers in the Northern Front Range handle requests for fully reusable augmentation water, and presents known pros and cons associated with these types of lease agreements.

SUMMARY:

The Colorado Division of Water Resources website (reviewed 4/5/2019), defines an augmentation plan as a “court-approved plan, which is designed to protect existing water rights by replacing water used in a new project.” Augmentation plans are commonly used to replace water pumped from wells or diverted from natural water sources when the associated water rights are junior (out-of-priority) to a senior call on a river within the affected basin (e.g., South Platte River Basin). Another common example is for replacing depletions associated with gravel pits that intercept the groundwater table and expose groundwater to evaporative losses.

The City has previously entered into permanent augmentation agreements with four entities, besides its own uses for Parks, Open Lands, and W&P. These include Sylvan Dale Ranch (6 acre-feet (AF)/year, 2017), The Emissaries of Divine Light (EDL) (3 AF/year, 2006), Loveland Ready-Mix (200 AF/year, 1998), and Coulson Excavating Company (100 AF/Year, 1998). Each of these entities has a nexus to the City, either through its influence on the local economy or through involvement in municipal projects. For instance, both Sylvan Dale Ranch and EDL cooperated closely with the City in its planning and construction of the Green Ridge Glade Reservoir Project, helping that project move ahead efficiently. In addition, W&P provides 102 AF of augmentation water for P&R, Open Lands, and W&P projects (i.e., Barnes Park, Rivers Edge Natural Area (RENA), Jayhawker, and P&R groundwater wells).

Augmentation water is becoming increasingly valuable, and City staff believes that future commitments for those requesting this source of water may be handled most effectively through a policy providing guidelines on how this component of the City’s water will be used in the future. For instance, a recent request is for augmentation water to provide augmentation for ponds and irrigation far outside the City’s service area, with no clear nexus to the City.

Staff discussed this issue with peers from eight other water providers and identified almost universally a significant hesitancy in making commitments without a clear nexus to their respective municipalities, or without clearly defined, reliable benefits for their water supplies. None would consider any net loss of firm yield for any reason. All were expecting the need for augmentation water, and its value, to increase, and currently the cities are the primary entities capable of creating it. Often the only other option is to purchase ditch rights, acquire storage, and change the water in Water Court for augmentation purposes.

Sample pros and cons associated with long-term lease agreements for augmentation water as discussed with other water providers, are listed below:

Pros:

1. City may acquire additional water rights.
 - a. City preference for C-BT units at a 2:1 ratio of water supplied versus water requested for an augmentation lease (i.e., Sylvan Dale Ranch, Emissaries of Divine Light).
 - b. City may also consider native ditch shares in trade with good HCU history.
 - c. Leasee can also provide CIL payment at a 2:1 ratio for City to buy additional C-BT units.
2. Potential income for the City (water utility) if annual administrative and rate inflation adjustments are higher than required to cover all costs, and are adjusted periodically as part of the lease agreement.
3. City can be a good neighbor by providing a scarce product to other parties within the Big Thompson River Basin. Potentially could become a significant value to future development in Larimer County, increasing property values and tax revenues for rural properties.

Cons:



1. City raw water resources could become over-committed during times of drought.
2. Agreements may expand the Water Utility’s obligations beyond city customers and residents.
3. A great deal of administrative staff time is required for required accounting, billing, and coordination of water operations, sometimes for very small amounts of water.
4. If the leasee has no link to the City, no additional benefits may accrue to the City through a business, sales tax, tourism, or recreation nexus.

DISCUSSION/DIRECTION:

Staff seeks guidance on creating a formal augmentation leasing policy allowing short- and long-term leases of augmentation water. Based on past practices, and discussions with other providers in Northern Colorado, staff recommends continuance under the following conditions:

1. Clear nexus to the City.
2. Adverse impacts on the City’s firm yield unacceptable under any scenario.
3. Economic or community benefit for the City must be provided.
4. A release at the City’s sole discretion for conditions where the water is needed must be included.
5. Administrative requirements must not be burdensome and must be fully compensated.
6. Five -year maximum term, renewable upon concurrence of both parties.

Attachments:

-  Attachment A: Augmentation Policy Comparison Among Northern Colorado Water Providers
-  Attachment B: Augmentation Policy Comparison Staff Notes

Attachment A

Augmentation Policy Comparison Among Northern Colorado Providers April, 2019

Provider & Water Resource Contacts	Do They Provide Augmentation Water?	Terms & Conditions Used	How Do You Establish a Value or Annual Charge?	Comments
Ft. Collins Donnie Dustin 416-2053 Meagan Smith 221-6336	Long term: Considering only for City uses. City not willing to risk 'over-leasing.'	Non-city uses for only for 1 year, with no long-term commitments.	All over the board regionally. Historically in FC \$600/yr. Now \$400/yr. To CC in 2021.	No credit for free river. Some push to lease to offset costs of ownership.
Longmont Ken Huson (303) 651-8340	Yes to SVLHWD to administer small requests and for gravel pits. No to O&G or competitors.	Charter: < 20 yrs. Board: < 10 yrs. No sales. For 6 pits, < one year terms.	\$642/AF/year from rate setting process. Priced to discourage requests.	Time-consuming, difficult to track and record. Have worked with PSCo.
Greeley Adam Jokherst Jen Petrzelka (970) 350-9859	A few traded for shares. Now nothing over 3 years, with clear benefit to the City.	Older ones had varying terms. Nexus to City required. Will consider advantageous water trades.	\$3,000/AF 1 st year and \$1,600/AF subsequently.	~20 long-term leases, plus year-to-year. No credit for free river.
Boulder Joe Taddeucci (303) 441-3205 Kim Hutton (303) 441-3115	Only 2-3, unique 'noble causes.' Administrative hassle is prohibitive.	Unique to each of the few they have.	\$1,000/AF based on Barker Reservoir storage replacement.	Strongly discourage requests. Discussing a 'pool' for small requests, but hesitant.
Lafayette Brad Dallam (303) 665-5506	Will trade 1.5:1 for CBT in summer, maybe 3.5 or 4.0:1 in winter. Get 50 AF on Kenosha Ponds perpetually.	One year cash leases made in good hydrologic conditions.	City charges one hour/month attorney/staff time for administrative costs.	Will do nothing that could lower firm yield. Water is far better than money. No credit for free river.
FCLWD Chris Matkins 226-3104	Not yet in the business of providing for others. Limited amount for themselves.	Still to be determined.		
LTWD Nancy Koch 344-6388 Amanda Hoff 532-2096	No policy yet because they have no reusable water yet. Expect reusable returns from Brookfield @ Hwy 119 & 125.	Will develop a clear, limited cutoff for providing to others. Will reuse WG themselves through exchange or trade.	Expect to prefer trades or structures over money.	
Estes Park Greg White (970) 667-5310 Town Attorney	Recently approving augmentation supply leases, with an agreement with the Idlewild lane residents.	Require upfront payment for administrative costs.	Annual payment of \$400/yr, which increases by \$50/yr.	Require annual reimbursement for previous year's Windy Gap pumping and delivery costs.

Attachment B

Augmentation Policy Comparison Staff Notes

Typical Questions Asked During Discussion:

1. Name, Position
 - Phone
2. Augmentation Questions
 - Are you providing augmentation for non-entity projects being decreed?
 - i. If so, how do you protect your entity?
 - ii. How do you establish a value?
 - iii. Is it considered a sale, or a renewable lease?
 - iv. Is there an administrative fee involved?

Longmont:

1. Ken Huson (conversation on 3/25/19)
 - (303) 651-8340 Direct
 - (970) 420-3876 Cell
2. Augmentation Policies
 - They temporarily provide augmentation water towards a decreed plan for non-City entities, like for the Saint Vrain Left Hand Water District (SVLHWD) basin-wide augmentation plan. This takes care of smaller augmentation requirements.
 - For larger gravel pits, they do a few plans through the (SVLHWD).
 - They don't lease to oil and gas operations.
 - In areas where they have competing communities, like Firestone, they won't lease to them as a result of these communities annexing into the interior of Longmont.
 - They consider a short-term lease to be for one year or less.
 - Their Charter allows leases for up to 20 year leases, but their Water Board won't recommend approval for anything over 10 years.
 - They give City facilities free water, but for non-affiliated leases of fully consumable water they charge \$642/AF.
 - They base their lease prices on considerations of the following:
 - a. Calculated cost for delivery of Windy Gap (WG) water including project, firming, and delivery costs;
 - b. Markets, such as oil and gas at \$1,000 for a while;
 - c. They want their rates to be high so they don't attract people or set a precedence for being in the business of wholesale rental.
 - d. They want to encourage parties to find replacement water somewhere else because it is time consuming and tracking the water is difficult.
 - Leases can be curtailed, must contain *force majeure* language, and include language on costs.
 - Lots of people use these for Temporary Substitute Supply Plans (TSSPs), and the State Engineers Office has accepted language for TSSP.
 - All lease agreements are with facilities downstream of their WWTP.
 - They do not sell augmentation supplies. All leases terminate absolutely, but some may be extended for ten years.
 - Renewal of a lease is 100% up to the City.
 - They have done a couple of permanent long-term exchanges:
 - a. PSCo who gave them senior water rights in exchange for reusable effluents
 - b. St. Vrain State Park at Highway 119 & I-25

- They charge different lease rates.
- They have used the C-BT assessment cost for single year leases of surplus C-BT to agricultural community, but haven't done this for several years and instead, let it go into the regional pool.
- The augmentation water request has to be put into their own accounting form for state reporting, and they use a minimum of 75 AF, although sometimes it's a smaller annual volume.

Boulder:

1. Kim Hutton
 - (303) 441-3115
2. Joe Taddeucci
 - (303) 441-3205 Direct (Visited 3/26/19)
 - (720) 635-6970 Cell
3. Augmentation Policies
 - Their website indicates they don't supply water for augmentation plans. However, they provide augmentation water under unique circumstances. The administrative hassle almost makes it prohibitive for Boulder, so the cost is high, like Longmont.
 - They have two to three augmentation leases, and all have a unique aspect to them, like the pending agreement for a kids fishing pond near their office.
 - For something like the university, where it is considered a "noble cause" they'll entertain the idea of supplying augmentation water.
 - A request to augment a pond used for aesthetics is appreciated, but they don't have the resources to support these kind of augmentation requests.
 - Joe thought their current rate was 1,000/AF, which is even higher than Longmont. The rate is based on their analysis of the value of the storage capacity in Barker Reservoir and if they had to replace the water or rebuild the facility. The rate is also high, because they do not want to become the "go to" source or the cheapest on the block.
 - They have an idea under discussion, to establish a pool where people could have access to small amounts of water (almost within rounding error of their system) without all the individual administrative burden. They've kicked this idea around, but have not moved ahead yet.
 - They don't do sales of water.
 - Brad Dallam at Lafayette has a similar thinking to them and Longmont, that it's tricky to get caught up in the staff resources for a full program, but they'll consider a trade for C-BT.

Ft. Collins:

1. Donnie Dustin, Water Resources Manager
 - (970) 416-2053
2. Tony Spencer
 - (970) 416-4214 (left message 3/25/19)
3. Meagan Smith
 - (970) 221-6336
4. Augmentation Policies
 - Strict policy against approving augmentation leases longer than one year due to over-leasing their supplies (overextended commitments) during the 2002-2003 drought. Now they only provide augmentation water for Substitute Water Supply Plans (SWSPs), not court decreed augmentation plans.

- Typically, water leases don't support decreed augmentation plans because of this term, and they do not ever agree to a permanent long-term lease, even for ditch share ownerships.
- They often utilize Rigden Pond because of its reliability and decreed ability to store water for augmentation uses. Rigden Pond can also store transmountain and ditch water.
- Only have one long-term lease agreement, which is located partially on city property.
- For their own purposes, like augmenting City parks and open spaces wells, they would commit to providing augmentation water, but they have only considered one such location.
- They name the price and the end term in their lease agreements. If for some reason during the term of the lease agreement, Council votes on a price adjustment to water leases, they lock in the initial price.
- No credit is given to compensate for 'free river' conditions.
- They have been encouraged to offset the costs of ownership via water rentals and leases.
- At the beginning of 2018, the city charged \$600/AF, and their policy was that each year Council would approve a rate. In the fall of 2018, they started setting water rates by a formula and for reusable water, lowered the cost to \$400/AF. One main factor for lower the cost was having Rigden Pond operational made it easier to supply leased water. The lease rate will go back to Council for a vote and possible resetting, in 2021.

Greeley:

1. Jennifer Petrzela (3/26/19)
 - (970) 350-9859 Direct
 - (970) 381-8795 Cell
2. Adam Jokerst (Water Resources Deputy Director)
 - (970) 350-9209 Direct
3. Augmentation Policies
 - In order to approve a long-term lease agreement, there must be a significant, clear benefit to the City.
 - They have twenty long-term augmentation lease agreements, plus they make year to year leases. However, they are hesitant to enter into augmentation agreements, especially perpetual.
 - They don't enter into lease terms longer than 3 years because they are interested in protecting the security of their supplies. However, their agreements have a clause allowing them to pull the water back as needed.
 - They have committed to a few long-term lease agreements in exchange for ditch shares, but the terms and conditions vary. Some are trades and others were based on market values escalated by CPI.
 - The Board hesitantly approved a fifteen year lease for only 5 AF per year with a gravel pit off the Poudre River, but only because the gravel pit could not find other sources of water.
 - They normally charge \$1,000/AF annually for augmentation water in the Poudre. However, for the 5 AF/year gravel pit lease, they made the augmentation releases out of their reservoir which is considered more valuable water, so they charged \$1,600/AF, with \$3,000 due the first year, with no additional administrative charges.
 - On some leases they charge an administrative fee of \$150/year.
 - A few leases are a straight-up payment, but only where it has benefitted Greeley. A feedlot is an example because it helps Greeley's economy.
 - Renters have to provide a schedule by April 1, and they have to pay the full amount projected up front, with no refunds for free river.

- The River Commissioner usually contacts them annually to verify their augmentation water release schedules.

City of Lafayette:

1. Bradley Dallam, Water Resources CIP Manager (conversation on 3/27/2019)
 - (303) 665-5506 Direct
 - (303) 885-0616 Cell
2. Augmentation Policies
 - They will not approve water lease agreements if doing so will decrease their firm yield (water is better than money).
 - No transactions are done for cash except some one year leases in good hydrologic conditions.
 - The only long-term, perpetual lease, Bradley was aware of was for Kenosha Ponds in Boulder County. This is their only permanent commitment and Lafayette gets 50 AF of C-BT as part of the agreement.
 - They will trade C-BT water for augmentation water credit on a 1.5:1 ratio (1.5 AF of C-BT to 1.0 AF of augmentation supply).
 - Wastewater credits in winter are much more valuable than summer time, so for winter it could realistically be a ratio 3.5 or 4.0:1.
 - Only cities can approve this kind of winter augmentation water.
 - Oil and gas operations don't usually need perpetual sources, so it's expensive for them.
 - Return flows are the future, as it is tougher to find reusable water (decreed for augmentation) than agricultural rights.
 - Maximizing reuse water can be done without state control.
 - Lafayette charges administrative fees on lease agreements. Lessor must pay to prepare the legal agreement, and then they must pay for one hour per month of administrative costs, based on their attorney/staff costs.
 - They own water as a drop leaves the WTP (accounting) and they assign it to the lessor. Any losses, costs, etc., are up to the lessor. They don't represent that they know what's happening to the water, etc. after it leaves Lafayette's control.
 - As part of the lease agreements, they are given a delivery schedule table which they take right out of the agreement and put it into their accounting.
 - Free river credit is not given.

Town of Estes Park:

1. Greg White, City Attorney (email correspondence on 3/19/2019)
 - (970) 667-5310
2. Augmentation Policies
 - They are now in the long-term water leasing business.
 - Recently reached an agreement with the Idlewild residents for a long term 3.5 acre-foot lease of consumable water, which will be presented for the Town's approval in early April.
 - Terms of augmentation lease with Idlewild Residents:
 - a. 20 year agreement for WG water.
 - b. Up front payment for administrative cost, but this specific cost was not shared with us.
 - c. Annual payment for the water at \$400 per acre-foot, which increases \$50 per year.

- d. Annual “reimbursement” to the Town for previous year’s costs of pumping and delivery for the WG water.

FCLWD:

1. Chris Matkins, 3/25/19
 - (970) 226-3104 Direct
 - (970) 217-0736 Cell
2. Augmentation Policies
 - They providing augmentation for projects being decreed using gravel pits north of Fort Collins, but have not gotten into the business of providing augmentation water for non-City entities.

LTWD:

1. Nancy Koch, Water Resources Manager (conversation on 3/25/19)
 - (970) 344-6388 Direct
 - (970) 342-9444 Cell
2. Amanda Snyder Hoff
 - (970) 532-2096 Direct
 - (970) 756-5360 Cell
3. Augmentation Policies
 - LTWD doesn't have an augmentation lease policy because the District doesn't have a reusable source established yet.
 - When and if they start offering leases for reusable water, their preference is to get something out of it other than money, such as water, or have someone help build needed infrastructure, etc.
 - Brookfield Development (Barefoot Homes) has a decreed plan for the use of 12 WG units and the facility is located east of I-25 and north of the St. Vrain River. The operation of this plan will generate reusable return flows at this location. As more reusable water is obtained, such as from using Windy Gap water, and more reusable return flows are generated from consistent sources in the basin, they could consider selling augmentation sources to developers or agricultural augmentation organizations such as Central Water Conservancy District.
 - Nancy stressed it is important that the District develop a clear leasing policy over time for augmentation water , or it will not be possible to handle everyone who may want service.
 - Under lease terms for non-reusable water, anyone wanting over one millions gallons of water must bring them C-BT units, and they will then provide potable water for filling ponds, etc., at \$10/1000 gallons.
 - They bought WG water with the expectation of providing another reusable project, such as Brookfield lakes, but Northern Water’s Tracking rule, WG 3.3.1, basically tells them where they can use their WG and where they can't. The intent of this tracking requirements is to keep unused C-BT water from being dumped into agricultural reservoirs, then being changed to agricultural shares in wet years because that can become fully consumable.
 - Nancy commented that when she worked for Greeley, augmentation leases sometimes become political.

Attachment C



Augmentation Water Rental Policy Discussion



Larry Howard P.E., Water Resources Manager
April 17, 2019

Background

☉ March 20th, 2019, LUC

- ☉ Requested Augmentation Supply for Crystal Mountain Ranch
- ☉ 20 acre-feet (af) annually
- ☉ Item was withdrawn to explore policy implications
- ☉ LUC asked various questions
 - ☉ History of Loveland's other leases?
 - ☉ What do surrounding providers do?
 - ☉ What kind of criteria should be evaluated?
 - ☉ What are the risks? Rewards?



Augmentation - Purpose

Augmentation Plans

- Replacement water (court-approved)
 - Junior water rights (out of priority water)
 - Water pumped from wells
 - Water diverted from natural water sources
 - Gravel pits
- Why is it required?
 - Protect existing, senior water rights



Loveland's Other Augmentation Plans

Recent

- Sylvan Dale Ranch
 - Strong nexus
 - 6 acre-feet for 12 units of C-BT
- Emissaries of Divine Light
 - Strong nexus – provided land
 - 3 acre-feet for 6 units of C-BT

Past

- Coulson
- Loveland Ready Mix



Low Flow Release

New Equipment

Low Flow Release Structure and Equipment



 **LOVELAND**
UTILITIES COMMISSION

Key Points from Other Providers

Several Northern Colorado Providers Contacted

Fort Collins, Longmont, Greeley, etc.

Most are reluctant to provide augmentation water on a long-term basis

May provide augmentation water if...

- Strong nexus
- No harm to provider's raw water supply
- Ability to curtail in time of need

Other Comments

- Time consuming: Administration, coordination, invoicing, etc.
- Water more valuable than \$\$

 **LOVELAND**
UTILITIES COMMISSION

Pros & Cons

Pros

- City may acquire additional water rights
 - C-BT and Ditch Shares
- Potential income for the City and Utility
- City can use excess water rights when not currently needed
- City can be a “good neighbor”

Cons

- Over-committing City’s water during times of drought
- Expand City’s obligations beyond City’s customers and residents
- Administrative time (accounting, invoicing, coordination, etc.)
- If no link to the City, then little other benefit (taxes, etc.)



Discussion & Direction

Staff seeks guidance on formal leasing policy

Staff recommendations for approving augmentation plans

- Clear nexus to the City
- No adverse impact on the City’s firm yield
- Provides economic benefit for the City either in cash or water shares
- Contains language providing a release at the City’s sole discretion if the water is needed
- Reasonable administrative compensation
- Five-year maximum term, renewable upon concurrence of both parties



QUESTIONS?

ITEM TITLE:

Quarterly Financial Report Update

DESCRIPTION:

This item summarizes the monthly and year-to date financials for March 2019.

SUMMARY:

The March 2019 financial reports are submitted for Commission review. The following table summarizes the sales and expense results for the month of March, and the March Year-To-Date results in comparison to the same periods from 2018. The summarized and detailed monthly financial statements that compare March Year-To-Date actuals to the 2019 budgeted figures are attached.

	March				March Year-To-Date			
	2019	2018	\$ Ovr/(Und) vs. 2018	% Ovr/(Und) vs. 2018	2019	2018	\$ Ovr/(Und) vs. 2018	% Ovr/(Und) vs. 2018
WATER								
Sales	\$921,828	\$879,035	\$42,793	4.9%	\$2,771,645	\$2,626,857	\$144,788	5.5%
Operating Expenses	\$952,846	\$1,408,515	(\$455,669)	-32.4%	\$3,836,008	\$3,940,559	(\$104,551)	-2.7%
Capital (Unrestricted)	\$967,465	\$166,058	\$801,407	482.6%	\$1,774,155	\$209,228	\$1,564,926	748.0%
WASTEWATER								
Sales	\$1,036,884	\$970,459	\$66,425	6.8%	\$3,262,872	\$3,018,359	\$244,513	8.1%
Operating Expenses	\$782,699	\$652,007	\$130,692	20.0%	\$2,275,838	\$1,897,803	\$378,035	19.9%
Capital (Unrestricted)	\$45,799	\$67,436	(\$21,637)	-32.1%	\$689,340	\$702,724	(\$13,384)	-1.9%
POWER								
Sales	\$5,337,114	\$4,025,689	\$1,311,424	32.6%	\$16,045,514	\$15,720,648	\$324,865	2.1%
Operating Expenses	\$4,451,688	\$4,262,015	\$189,673	4.5%	\$13,300,654	\$13,329,228	(\$28,574)	-0.2%
Capital (Unrestricted)	\$553,679	\$725,170	(\$171,491)	-23.6%	\$2,199,718	\$2,137,551	\$62,167	2.9%

RECOMMENDATION:

Staff item only. No action required.

ATTACHMENTS:

-  Attachment A: City of Loveland Financial Statement-Raw Water
-  Attachment B: City of Loveland Financial Statement-Water
-  Attachment C: City of Loveland Financial Statement-Wastewater
-  Attachment D: City of Loveland Financial Statement-Power
-  Attachment E: City of Loveland Balance Sheet – Water
-  Attachment F: City of Loveland Balance Sheet – Wastewater
-  Attachment G: City of Loveland Balance Sheet – Power
-  Attachment H: Quarterly Financial Update PowerPoint Presentation

Attachment A

City of Loveland
Financial Statement-Raw Water
For Period Ending 03/31/2019 - Preliminary as of 4-4-19

	* TOTAL BUDGET *	YTD		OVER	
	FYE 12/31/2019	ACTUAL	YTD BUDGET	<UNDER>	VARIANCE
1 REVENUES & SOURCES	*	*			
2 High Use Surcharge	73,118	6,559	1,450	5,109	352.3%
3 Raw Water Development Fees/Cap Rec Surcharge	485,213	86,118	101,458	(15,340)	-15.1%
4 Cash-In-Lieu of Water Rights	227,167	52,290	56,793	(4,503)	-7.9%
5 Native Raw Water Storage Fees	196,876	0	19,000	(19,000)	-100.0%
6 Proceeds on Loan	37,560,000	0	0	0	0.0%
7 Raw Water 3% Transfer In	531,164	83,149	83,192	(43)	-0.1%
8 Interest on Investments	300,965	86,103	75,240	10,863	14.4%
9 TOTAL REVENUES & SOURCES	39,374,503	314,218	337,133	(22,915)	-6.8%
10 OPERATING EXPENSES	*	*			
11 Loan to Water	0	0	0	0	0.0%
12 Windy Gap Payments	7,100	7,044	1,776	5,268	296.6%
13 TOTAL OPERATING EXPENSES	7,100	7,044	1,776	5,268	296.6%
14 NET OPERATING REVENUE/(LOSS) (excl depr)	39,367,403	307,175	335,357	(28,182)	-8.4%
15 RAW WATER CAPITAL EXPENDITURES	59,433,300	4,466,676	17,570,551	(13,103,875)	-74.6%
16 TOTAL RAW WATER CASH	6,604,070	22,776,281	9,434,773	13,341,508	

NOTE: YTD ACTUAL DOES NOT INCLUDE ENCUMBRANCES TOTALING: 173,541.07

Attachment B

City of Loveland Financial Statement-Water

For Period Ending 03/31/2019 - Preliminary as of 4-5-19

	TOTAL BUDGET * FYE 12/31/2018	* YTD ACTUAL	YTD BUDGET	OVER <UNDER>	VARIANCE
1 **UNRESTRICTED FUNDS**	*	*			
2 REVENUES & SOURCES	*	*			
3 Water Sales	17,705,446	2,771,645	2,773,083	(1,438)	-0.1%
4 Raw Water Transfer Out	(531,164)	(83,149)	(83,192)	43	-0.1%
5 Wholesale Sales	181,091	15,608	6,638	8,970	135.1%
6 Meter Sales	92,269	18,020	23,067	(5,047)	-21.9%
7 Interest on Investments	120,220	7,239	30,054	(22,815)	-75.9%
8 Other Revenue	1,117,884	53,923	646,162	(592,239)	-91.7%
9 Federal and State Grants	0	0	0	0	0.0%
10 Internal Loan Monies Received	0	0	0	0	0.0%
11 External Loan Monies Received	0	0	0	0	0.0%
12 TOTAL REVENUES & SOURCES	18,685,746	2,783,286	3,395,812	(612,526)	-18.0%
13 OPERATING EXPENSES	*	*			
14 Source of Supply	2,539,802	587,338	594,878	(7,540)	-1.3%
15 Treatment	3,815,206	640,386	885,656	(245,270)	-27.7%
16 Distribution Operation & Maintenance	3,947,022	729,782	1,065,719	(335,937)	-31.5%
17 Administration	2,681,453	124,709	1,317,022	(1,192,312)	-90.5%
18 Customer Relations	399,386	78,428	99,497	(21,069)	-21.2%
19 PILT	1,202,200	188,195	300,546	(112,351)	-37.4%
20 1% for Arts Transfer	76,788	15,658	62,678	(47,020)	-75.0%
21 Services Rendered-Other Departments	1,530,293	382,575	382,575	0	0.0%
22 Internal Loan Debt Expense	783,750	792,458	783,750	8,708	1.1%
23 External Loan Debt Expense	1,015,685	296,479	253,920	42,559	16.8%
24 TOTAL OPERATING EXPENSES	17,991,585	3,836,008	5,746,241	(1,910,233)	-33.2%
26 NET OPERATING REVENUE/(LOSS)(excl depr)	694,161	(1,052,722)	(2,350,429)	1,297,707	-55.2%
27 CAPITAL EXPENDITURES	5,557,708	1,774,155	3,293,273	(1,519,118)	-46.1%
28 REVENUES LESS OPER EXP LESS CAPITAL	(4,863,547)	(2,826,877)	(5,643,702)	2,816,825	-49.9%
30 ENDING CASH BALANCE (28% OF OPER EXP)	2,259,184	5,114,686	1,479,029	3,635,657	
31 WATER DEBT FUNDS ENDING CASH BALANCE		528,164			
32 MINIMUM BALANCE (15% OF OPER EXP)		2,698,738			
33 OVER/(UNDER) MINIMUM BALANCE		2,415,948			
34 **RESTRICTED FUNDS**	*	*			
35 REVENUES & SOURCES	*	*			
36 SIF Collections	5,732,613	401,133	1,211,000	(809,867)	-66.9%
37 SIF Interest Income	37,710	13,042	9,429	3,613	38.3%
38 SIF Federal and State Grants	0	(10,829)	0	(10,829)	0.0%
39 Internal Loan Monies Received	0	0	0	0	0.0%
40 TOTAL SIF REVENUES & SOURCES	5,770,323	403,346	1,220,429	(817,084)	-67.0%
41 SIF Capital Expenditures	5,874,420	167,134	2,598,011	(2,430,877)	100
42 1% for Arts Transfer	40,372	1,133	14,272	(13,139)	-92.1%
43 Legal Agreements & Shared Costs	334,375	17,885	83,592	(65,707)	-78.6%
44 TOTAL SIF CAPITAL EXPENDITURES	6,249,167	186,152	2,695,875	(2,509,723)	-93.1%
45 SIF REVENUE LESS EXPENDITURES	(478,844)	217,194	(1,475,446)	1,692,640	100
46 SIF ENDING CASH BALANCE	3,226,755	3,544,347	2,230,153	1,314,195	
47 TOTAL ENDING CASH BALANCE		8,659,034			
NOTE: YTD ACTUAL DOES NOT INCLUDE ENCUMBRANCES		3,619,442			
48 Water Treated at WTP (in million gallons)		594			
49 Water Sold To Customers (in million gallons, includes Ranch Water & Hydrant Sales)	3,808	461	449	12	2.7%

Attachment C

City of Loveland-LIVE
Financial Statement-Wastewater
 For Period Ending 03/31/2019 - Preliminary as of 4-5-19

	TOTAL BUDGET			OVER		
	* FYE 12/31/2019 *	* YTD ACTUAL	YTD BUDGET	<UNDER>	VARIANCE	
1 **UNRESTRICTED FUNDS**	*	*				
2 REVENUES & SOURCES	*	*				
3 Sanitary Sewer Charges	13,584,364	3,262,872	3,253,922	8,950	0.3%	
4 High Strength Surcharge	427,327	71,499	85,381	(13,882)	-16.3%	
5 Interest on Investments	38,862	43,400	9,717	33,683	346.6%	
6 Other Revenue	1,124,075	1,856	30,235	(28,379)	-93.9%	
7 Bond Proceeds	4,476,304	3,770,439	4,476,304	(705,865)	-15.8%	
8 Federal Grants	0	0	0	0	0.0%	
9 State Grants	0	0	0	0	0.0%	
10 TOTAL REVENUES & SOURCES	19,650,932	7,150,067	7,855,559	(705,492)	-9.0%	
11 OPERATING EXPENSES	*	*				
12 Treatment	4,354,046	955,322	1,024,164	(68,842)	-6.7%	
13 Collection System Maintenance	3,131,242	500,860	711,983	(211,123)	-29.7%	
14 Administration	1,460,642	73,398	1,026,722	(953,324)	-92.9%	
15 Customer Relations	66,710	17,839	15,553	2,286	14.7%	
16 PILT	980,820	233,406	245,205	(11,799)	-4.8%	
17 1% for Arts Transfer	167,020	6,402	138,388	(131,986)	-95.4%	
18 Services Rendered-Other Departments	928,606	232,152	232,152	0	0.0%	
19 Debt Service	2,063,177	256,458	1,265,794	(1,009,336)	-79.7%	
20 TOTAL OPERATING EXPENSES	13,152,263	2,275,838	4,659,961	(2,384,123)	-51.2%	
21 NET OPERATING REVENUE/(LOSS)(excl depr)	6,498,669	4,874,229	3,195,598	1,678,632	52.5%	
22 CAPITAL EXPENDITURES	13,754,631	689,340	10,580,871	(9,891,531)	-93.5%	
23 REVENUES LESS OPER EXP LESS CAPITAL	(7,255,962)	4,184,889	(7,385,273)	11,570,162	-156.7%	
24 ENDING CASH BALANCE (120% OF OPER EXP)	7,305,938	15,836,719	7,176,626	8,660,092		
25 WASTEWATER DEBT FUNDS ENDING CASH BALANCE	*	613,036				
26 MINIMUM BALANCE (15% OF OPER EXP)	*	1,972,839				
27 OVER/(UNDER) MINIMUM BALANCE	*	13,863,880				
28 **RESTRICTED FUNDS**	*	*				
29 REVENUES & SOURCES	*	*				
30 SIF Collections	2,774,324	281,377	359,988	(78,611)	-21.8%	
31 SIF Interest Income	2,640	27,404	660	26,744	4052.1%	
32 SIF Bond Proceeds	1,837,089	2,310,914	1,837,089	473,825	25.8%	
33 TOTAL SIF REVENUES & SOURCES	4,614,053	2,619,695	2,197,737	421,958	19.2%	
34 SIF Capital Expenditures	4,677,835	507,404	3,580,963	(3,073,559)	-85.8%	
35 1% for Arts Transfer	92,384	4,578	83,010	(78,432)	-94.5%	
36 Debt Service	591,393	157,184	147,846	9,338	6.3%	
37 TOTAL SIF CAPITAL EXPENDITURES	5,361,612	669,167	3,811,819	(3,142,652)	-82.4%	
38 SIF REVENUE LESS EXPENDITURES	(747,559)	1,950,528	(1,614,082)	3,564,610	-220.8%	
39 SIF ENDING CASH BALANCE	6,152,342	4,242,345	5,285,819	(1,043,474)		
40 TOTAL ENDING CASH BALANCE		20,079,064				
NOTE: YTD ACTUAL DOES NOT INCLUDE ENCUMBRANCES TOTALING		11,110,494				
Wastewater Treated at WWTP (in million gallons)	N/A	489	N/A			
Wastewater Billed To Customers (in million gallons)	1,778	414	417	(3)	-0.7%	

Attachment D

City of Loveland Financial Statement-Power

For Period Ending 03/31/2019 - Preliminary as of 4/09/2019

	TOTAL BUDGET	YTD ACTUAL	YTD BUDGET	OVER <UNDER>	VARIANCE
UNRESTRICTED FUNDS					
1 REVENUES & SOURCES:					
2 Electric revenues	\$68,256,630	\$16,045,514	\$16,093,930	(\$48,416)	-0.3%
3 Wheeling charges	\$265,000	\$60,606	\$66,250	(\$5,644)	-8.5%
4 Interest on investments	\$397,580	\$45,766	\$99,395	(\$53,629)	-54.0%
5 Aid-to-construction deposits	\$1,610,000	\$372,030	\$402,500	(\$30,470)	-7.6%
6 Customer deposit-services	\$310,000	\$15,136	\$77,500	(\$62,364)	-80.5%
7 Late Payment Penalty Fees	\$450,000	\$114,975	\$112,500	\$2,475	2.2%
8 Connect Fees	\$170,000	\$33,961	\$42,500	(\$8,539)	-20.1%
9 Services rendered to other depts.	\$67,500	\$0	\$16,875	(\$16,875)	-100.0%
10 Other revenues	\$386,572	\$79,324	\$96,643	(\$17,319)	-17.9%
11 Federal Grants	\$0	\$0	\$0	\$0	0.0%
12 State Grants	\$0	\$0	\$0	\$0	0.0%
13 Year-end cash adjustments	\$0	\$0	\$0	\$0	0.0%
14 TOTAL REVENUES & SOURCES	\$71,913,282	\$16,767,313	\$17,008,093	(\$240,780)	-1.4%
15 OPERATING EXPENSES:					
16 Hydro oper. & maint.	\$1,308,616	\$45,340	\$352,320	(\$306,979)	-87.1%
17 Solar oper. & maint.	\$90,000	\$0	\$24,231	(\$24,231)	-100.0%
18 Purchased power	\$44,761,779	\$10,175,849	\$10,061,731	\$114,118	1.1%
19 Distribution oper. & maint.	\$5,674,385	\$912,480	\$1,527,719	(\$615,239)	-40.3%
21 Customer Relations	\$1,557,956	\$116,636	\$419,450	(\$302,814)	-72.2%
22 Administration	\$3,504,208	\$211,802	\$943,441	(\$731,639)	-77.6%
23 Payment in-lieu-of taxes	\$4,777,960	\$1,111,393	\$1,170,600	(\$59,207)	-5.1%
24 1% for Arts Transfer	\$105,703	\$6,178	\$25,897	(\$19,719)	-76.1%
25 Services rendered-other depts.	\$2,883,905	\$720,975	\$720,976	(\$1)	0.0%
26 TOTAL OPERATING EXPENSES (excl dephn)	\$64,664,512	\$13,300,654	\$15,246,365	(\$1,945,711)	-12.8%
27 NET OPERATING REVENUE/(LOSS) (excl dephn)	\$7,248,770	\$3,466,659	\$1,761,728	\$1,704,931	
28 CAPITAL EXPENDITURES:					
29 General Plant/Other Generation & Distribution	\$10,308,300	\$1,834,731	\$2,422,869	(\$588,138)	-24.3%
30 Aid-to-construction	\$1,680,000	\$310,984	\$759,231	(\$448,247)	-59.0%
31 Service installations	\$310,000	\$54,003	\$83,462	(\$29,459)	-35.3%
32 TOTAL CAPITAL EXPENDITURES	\$12,298,300	\$2,199,718	\$3,265,561	(\$1,065,843)	-32.6%
33 REVENUES LESS OPER EXP LESS CAPITAL	(\$5,049,530)	\$1,266,941	(\$1,503,833)	\$2,770,774	
34 ENDING CASH BALANCE (17% of Oper Exp)	\$9,233,628	\$10,823,996	\$12,779,326	(\$1,955,329)	-15.3%
35 MINIMUM BAL. (22% of OPER EXP)		\$14,872,838			
36 OVER/(UNDER) MINIMUM BALANCE		(\$4,048,841)			
RESTRICTED FUNDS					
38 PIF Collections	\$2,743,740	\$630,875	\$685,935	(\$55,060)	-8.0%
39 PIF Interest Income	\$37,450	\$29,720	\$9,363	\$20,357	217.4%
40 Water Loan Payback	\$783,750	\$792,458	\$783,750	\$8,708	1.1%
41 Federal Grants	\$0	\$0	\$0	\$0	0.0%
42 State Grants	\$0	\$0	\$0	\$0	0.0%
43 TOTAL REVENUES	\$3,564,940	\$1,453,053	\$1,479,048	(\$25,995)	-1.8%
44 PIF Feeders	\$5,835,511	\$364,677	\$1,571,099	(\$1,206,422)	-76.8%
45 PIF Substations & Solar	\$2,464,418	\$1,268	\$616,105	(\$614,837)	-99.8%
46 TOTAL EXPENDITURES	\$8,299,929	\$365,945	\$2,187,204	(\$1,821,259)	-83.3%
47 PIF REVENUES LESS EXPENDITURES	(\$4,734,989)	\$1,087,108	(\$708,156)	\$1,795,264	
48 ENDING PIF CASH BALANCE	\$690,331	\$8,864,550	\$4,717,164	\$4,147,386	87.9%
49 TOTAL ENDING CASH BALANCE		\$19,688,546			

NOTE: YTD ACTUAL does NOT include encumbrances totalling \$5,286,373

50 Energy Purchased (in million kWh) from PRPA	739	179	173	6	3.4%
51 Energy Sold to Customers (in million kWh)	716	173	173	1	0.3%

Attachment E

City of Loveland

Statement of Net Assets - For Fund Water fund - Proprietary consolidated
For Period Ending 3/31/2019

Assets

Current Assets

Equity in Pooled Cash	\$	960,079.82
Equity in Pooled Investments		4,115,402.10
Receivables, Net		1,619,511.54
Interfund Loan Receivable		-
Accrued Interest		118,433.93
Inventory, at Cost		290,971.12

Total Current Assets		<u>7,104,398.51</u>
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Restricted Assets

Future Raw Water Projects		22,402,672.05
Restricted Cash		529,087.43
System Impact Fees		3,487,700.49
Windy Gap Commitment		-

Total Restricted Assets		<u>26,419,459.97</u>
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Property, Plant & Equipment

Land		508,866.43
Intangible Assets/Easements		4,233,247.50
Infrastructure		75,950,237.42
Buildings		3,467,553.01
Equipment		2,401,104.31
Improvements Other Than Buildings		102,726,801.50
Water Rights		76,051,042.47
Construction in Progress		10,369,703.42

Total Property, Plant & Equipment		<u>275,708,556.06</u>
Accumulated Depreciation		(56,170,040.82)

Net Property, Plant & Equipment		<u>219,538,515.24</u>
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Total Non-Current Assets		<u>245,957,975.21</u>
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Total Assets	\$	<u>253,062,373.72</u>
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Liabilities

Current Liabilities

Accounts Payable	\$	275,908.99
Accrued Liabilities		193,446.14
Current Portion Ltd Notes		640,000.00
Bond Interest Payable		62,680.40
Deferred Revenue		-

Current Portion of Long-Term Debt	279,887.60
Total Current Liabilities	<u>1,451,923.13</u>
Long-Term Liabilities	
Compensated Absences	228,998.95
External Loan Payable	11,340,000.00
Interfund Loan Payable	1,500,000.00
Total Long-Term Liabilities	<u>13,068,998.95</u>
Total Liabilities	<u>\$ 14,520,922.08</u>
Net Position	
Net Investment in Capital Assets	\$ 219,538,515.24
Restricted for Future Capital Improvements	26,419,459.97
Unrestricted	<u>(7,416,523.57)</u>
Total Net Position	<u>\$ 238,541,451.64</u>

NOTES:

Some items on the balance sheet are only changed at the end of the year, such as capital assets and accumulated depreciation.

Attachment F

City of Loveland

Statement of Net Assets - For Fund Wastewater fund - Proprietary consolidated
For Period Ending 03/31/2019

Assets

Current Assets

Equity in Pooled Cash	\$	3,737,112.94
Equity in Pooled Investments		11,919,770.84
Receivables, Net		1,641,484.66
Accrued Interest		77,526.99
Inventory, at Cost		3,463.62

Total Current Assets 17,379,359.05

Non-current Assets

Interfund Loan Receivable		-
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Restricted Assets

Restricted Cash		613,035.61
Cash with Fiscal Agent		248,935.25
System Impact Fees		4,138,591.42

Total Restricted Assets 5,000,562.28

Property, Plant & Equipment

Land		380,222.08
Intangible Assets/Easements		4,259,215.99
Infrastructure		34,716,381.25
Buildings		3,441,799.26
Equipment		3,167,955.12
Improvements Other Than Buildings		46,429,058.69
Construction in Progress		38,049,046.58

Total Property, Plant & Equipment 130,443,678.97
Accumulated Depreciation (32,320,578.55)

Net Property, Plant & Equipment 98,123,100.42

Total Non-Current Assets 103,123,662.70

Total Assets \$ 120,503,021.75

City of Loveland

Statement of Net Assets - For Fund Wastewater fund - Proprietary consolidated For Period Ending 03/31/2019

Liabilities

Current Liabilities

Accounts Payable	\$	1,186,435.32
Accrued Liabilities		114,938.66
Current Portion Ltd Notes		665,000.00
Bond Interest Payable		164,928.36
Deferred Revenue		-
Current Portion of Long-Term Debt		240,722.09

Total Current Liabilities 2,372,024.43

Long-Term Liabilities

Compensated Absences		196,954.44
External Loan Payable		24,235,000.00

Total Long-Term Liabilities 24,431,954.44

Total Liabilities \$ 26,803,978.87

Net Position

Net Investment in Capital Assets	\$	98,123,100.42
Restricted for Future Capital Improvements		5,000,562.28
Unrestricted		(9,424,619.82)

Total Net Position \$ 93,699,042.88

NOTES:

Some items on the balance sheet are only changed at the end of the year, such as capital assets and accumulated depreciation.

Attachment G

City of Loveland

Statement of Net Assets - For Fund Power fund - Proprietary consolidated
For Period Ending 12/31/2018

Assets

Current Assets

Equity in Pooled Cash	\$	(3,437,988.52)
Equity in Pooled Investments		14,065,445.45
Receivables, Net		8,254,380.28
Accrued Interest		80,122.19
Inventory, at Cost		3,588,236.99

Total Current Assets		<u>22,550,196.39</u>
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Non-current Assets

Interfund Loan Receivable		1,500,000.00
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Restricted Assets

System Impact Fees		8,758,921.37
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Property, Plant & Equipment

Land		2,498,492.73
Intangible Assets/Easements		4,434,147.39
Infrastructure		177,250,305.08
Buildings		4,067,961.38
Equipment		4,254,226.50
Improvements Other Than Buildings		276,752.99
Construction in Progress		14,181,215.91

Total Property, Plant & Equipment		<u>206,963,101.98</u>
Accumulated Depreciation		(62,294,263.71)

Net Property, Plant & Equipment		<u>144,668,838.27</u>
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Total Non-Current Assets		<u>154,927,759.64</u>
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Total Assets	\$	<u>177,477,956.03</u>
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City of Loveland

Statement of Net Assets - For Fund Power fund - Proprietary consolidated For Period Ending 12/31/2018

Liabilities

Current Liabilities

Accounts Payable	\$	3,907,959.00
Accrued Liabilities		195,764.14
Deposits		2,779,435.04
Current Portion of Long-Term Debt		328,989.58

Total Current Liabilities		<u>7,212,147.76</u>
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Long-Term Liabilities

Compensated Absences		269,173.30
Interfund Loan Payable		-

Total Liabilities	\$	<u>7,481,321.06</u>
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Net Position

Net Investment in Capital Assets	\$	144,668,838.27
Restricted for Future Capital Improvements		8,758,921.37
Unrestricted		16,568,875.33

Total Net Position	\$	<u>169,996,634.97</u>
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NOTES:

Some items on the balance sheet are only changed at the end of the year, such as capital assets and accumulated depreciation.

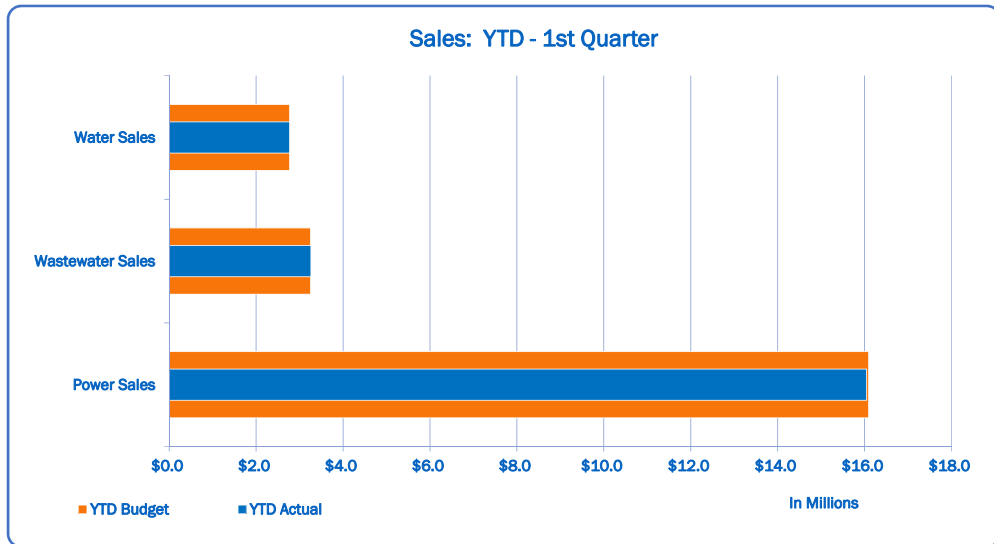
Attachment H

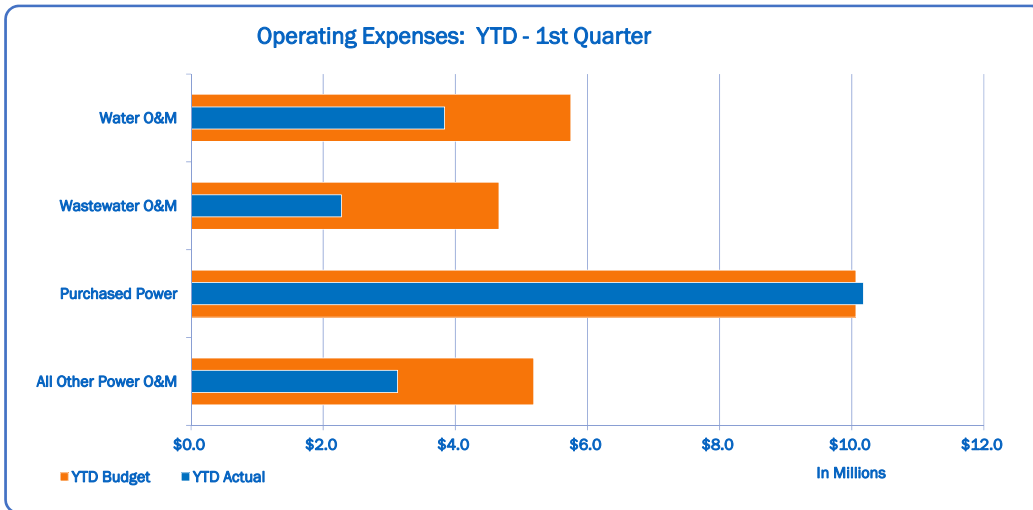
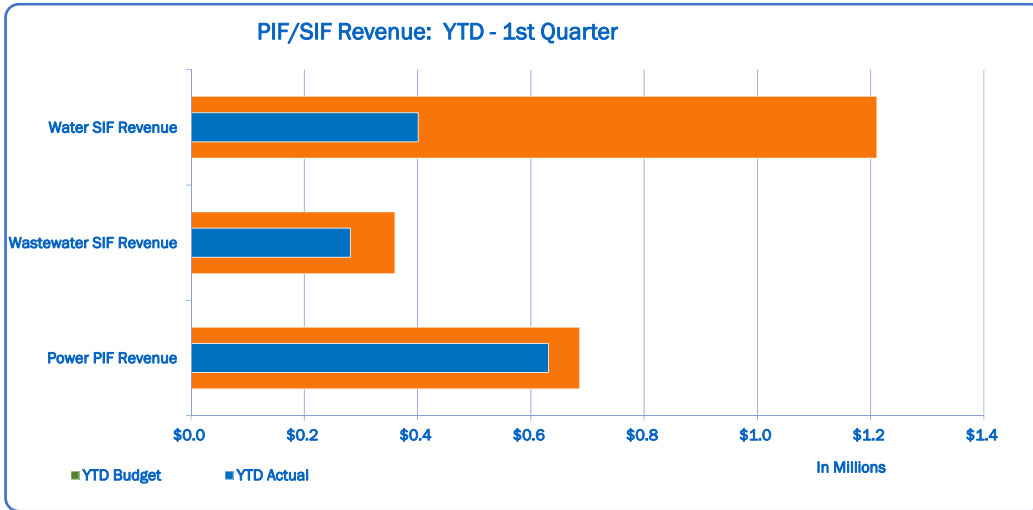


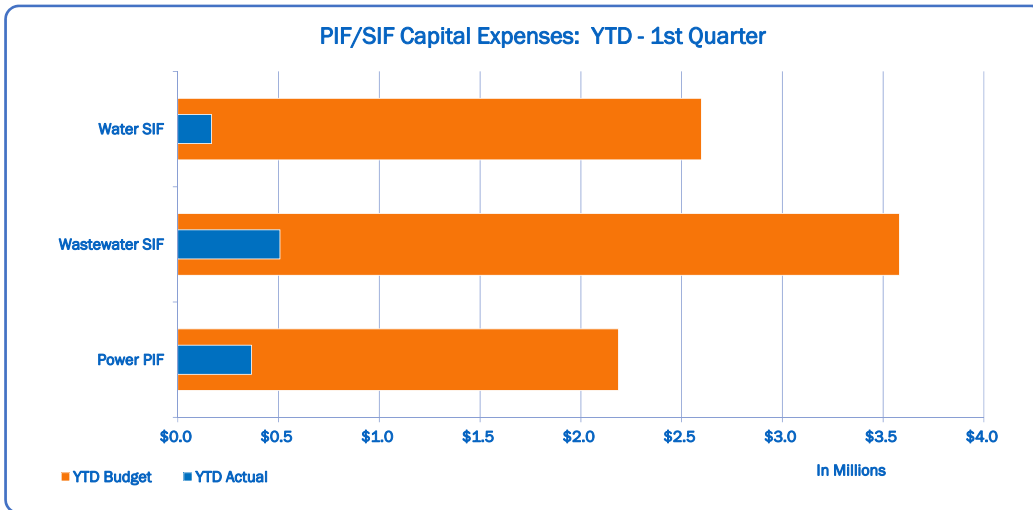
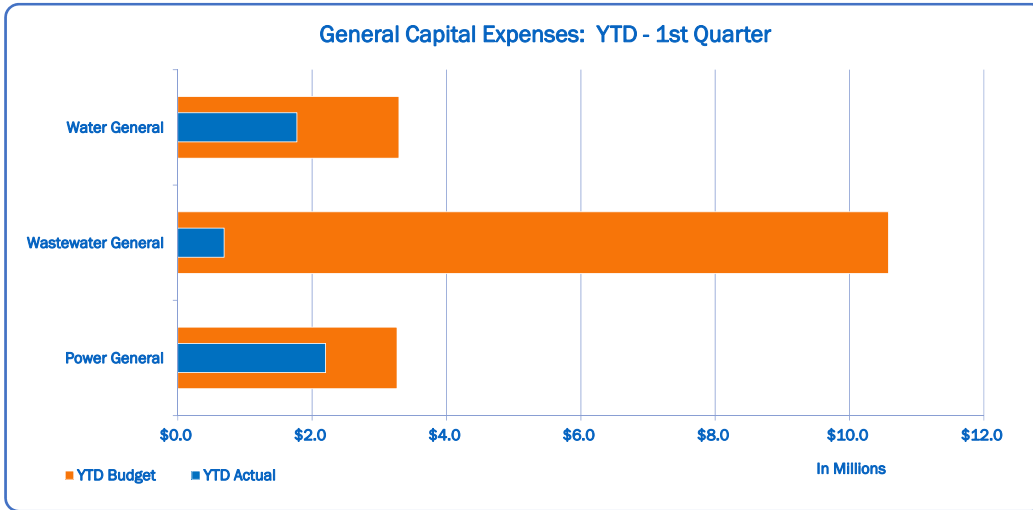
Quarterly Financial Report



Jim Lees,
Utility Accounting Manager
April 17, 2019







QUESTIONS?




ITEM TITLE:

Commission & Council Report

SUMMARY:

Discuss events that the Loveland Utility Commission Board members attended, special topics and any City Council items related to the Water and Power Department from the past month.

 City Council Report

RECOMMENDATION:

Commission/Council report only.

**ITEM TITLE:**

Director's Report

GENERAL & PREVIOUS LUC MEETING FOLLOW UP ITEMS:**EVENTS:**

Tri-City Water Board Meeting: Loveland will be hosting the Tri-City Water Board Meeting this year on May 2, 2019 at Embassy Suites Loveland from 6:00pm – 9:00pm.

OPERATIONS:**Water Operations:**

Boyd Lake Water Main Extension - Phase 2 Project: Gerrard Excavating and Colorado Boring have started the installation of the 16" Boyd Lake Water Main Project which is an extension of the 20" water main that was installed last year. This water main will begin at 15th Street and extend 750 feet north to just past the GLIC Ditch. Colorado Boring will install the water main via a horizontal directional drill and using PVC pipe. The project will cost \$382,058.33 and will be completed by April 1, 2019. This new 16" water main will extend the parallel feed from the Mountain View Pump Station to the P8 zone allowing more flexibility in meeting current demands as well as providing the ability to meet future water demands. Right: Photo of 27" ream head.



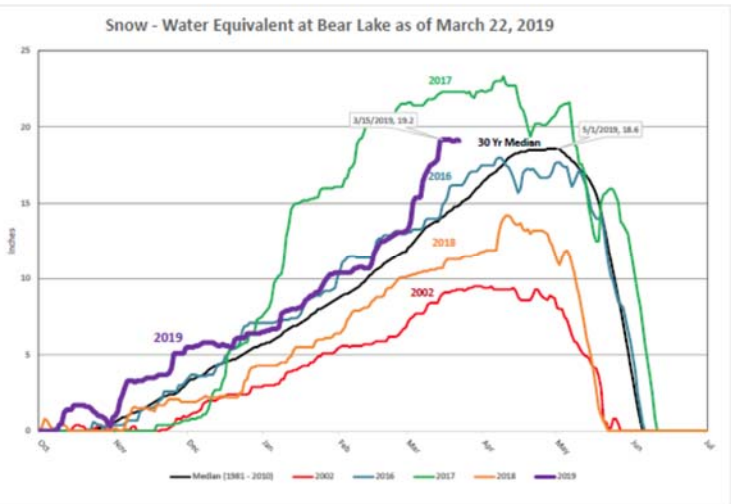
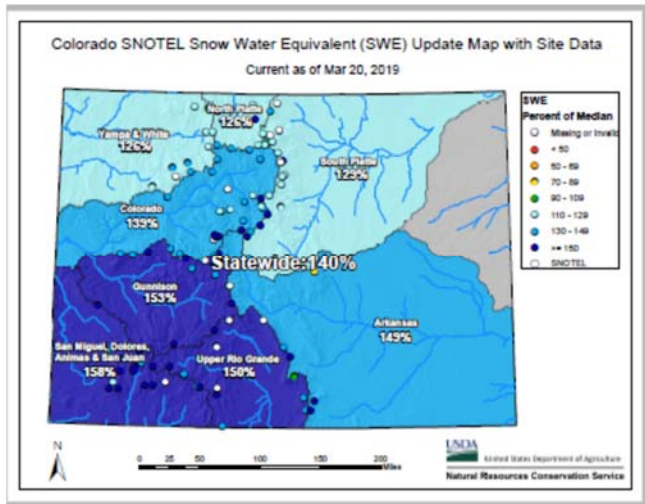
Wastewater Model Update: The City of Loveland maintains a hydraulic computer model that simulates the routing of wastewater throughout the collection system to the wastewater treatment plant. The model is a complex tool that helps the City better operate the system and also plan for future infrastructure and demands. The City and HDR Engineering have compiled the majority of the background data needed to update the existing model network. Data from flow meters installed in the wastewater system has been collected and is now being used for the dry-weather calibration of the model. HDR has set up the first workshop with City staff in late March 2019 to go over the current status of the model calibration. This spring wet weather flow data will be collected and used in the wet-weather calibration of the model. Once the model is operational this information will help with the wastewater master plan update planned for later this year.

Snowpack Update: Snowpack conditions across the state are much improved over 2018. Mountain snowpack as of March 22, 2019, is at 129% of the median in the South Platte Basin according to the NRCS Colorado report. The report also indicates statewide we are currently at 140% of the 30 year median value. A copy of the Colorado SNOTEL Snow Water Equivalent (SWE) Map is attached for reference.

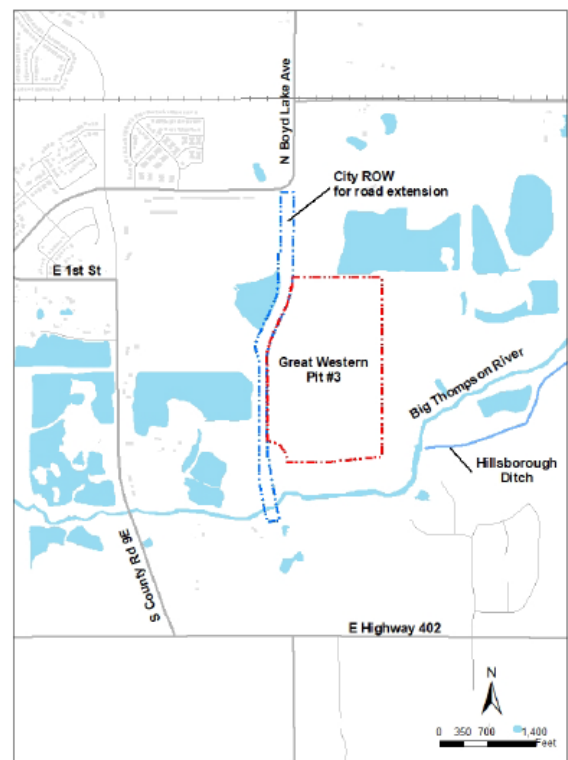
Bear Lake snow water equivalent on March 22, 2019, was 19.1 inches, which is 128% of the median value. A graph is attached showing the snow water equivalent values at Bear Lake over several years through the spring. Lake Irene is located just over the Continental Divide but is another good indicator of

conditions in the upper Big Thompson Basin. On March 22, 2019, the snow water equivalent there was 23.9 inches, or 106% of the median.

These conditions are positive and should lead to a good runoff. It is good to see strong conditions on the West Slope, which supplies the CBT and Windy Gap systems which supply Loveland and our region, and should result in better runoff into Lake Powell than was experienced last year. Though current conditions are encouraging, it will take several strong years to refill Lake Powell and Lake Mead to be sure the drought is over.



Kaufman Pit Purchase: On Tuesday, February 5, 2019, staff completed the purchase of 1,300 acre-feet of downstream storage from Jake Kauffman & Son, Inc. This site was historically known as Great Western Pit No. 3, but has been sealed from the groundwater, tested according to the State’s standards, and now is recognized by the State as a functional lined storage reservoir. Additional infrastructure including pumps and pipelines will be required to make the storage useful to the City in the future. The site is ideally located on the north side of the Big Thompson River downstream from the City’s wastewater treatment plant outfall, and upstream of Hillsborough Dam, where the City’s return flows are required to be made. Using this site, the City will be able to exchange reusable water upstream to the water treatment plant, make required return flows to the river under the terms and conditions of its decrees, and provide augmentation flows for municipal uses or other commitments. In general, this downstream storage will allow for greater flexibility of the City’s water right portfolio and upon completion of the project will add 1,850 AF of increased firm yield to the City’s water treatment plant.



Power Operations:

Line Crews: Fort Collins Power and Light Line Supervisor Joe Iglehart passed away this month. To support our sister city, Loveland's power crews provided coverage for the Fort Collins service territory giving the entire power staff the opportunity to attend Joe's memorial service. As it is still fresh in our minds, the loss of our own line supervisor Jahn Clark, Loveland Water and Power knew the importance of giving the support to our Fort Collins brothers and sisters.



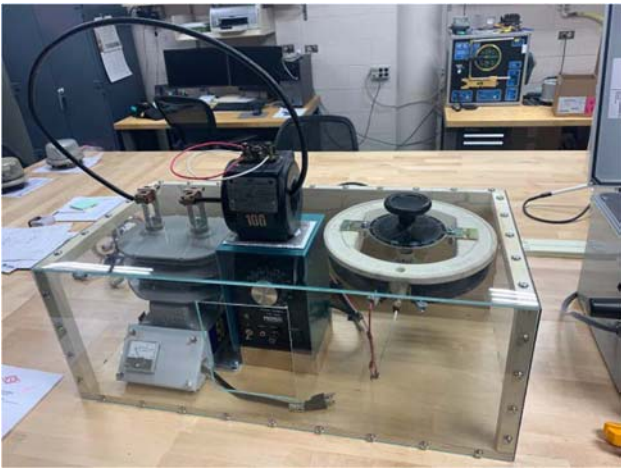
Left - Joe Iglehart Memorial - Ft. Collins Power and Light (March 18, 2019). Right - Jahn Clark Memorial - Loveland Water and Power (June 27, 2018).

On March 13th, Loveland was hit by our first major storm event of 2019. Loveland Water and Power had ten outages reported and restored between 9:00 a.m. to 2:30 p.m. Most outages were caused by ice build-up on power lines, causing them to sag lower than usual. With the high winds and extra slack in the wires, the wires slapped together, causing line fuses to blow and outages to occur. Our office personnel supported the restoration by taking phone calls from customers and tracking outages on the outage management system. Our service operations center relayed outage information to the crews in the field who expedited restoration. Thanks to the line crews and staff that minimized the length and extent of these outages.

On Tuesday, March 19th, Water and Power Director, Joe Bernosky and Power Operations Supervisor, Garth Silvernale recognized Loveland's power line clearance along with Public Works tree trimming contract crews with Asplundh Tree Experts. Since the mid 2000's, Loveland has used Asplundh for power line clearance along with tree trimming and removals for various departments within Public Works. The power line clearance program has evolved to a point that tree-related outages are minimal. Proof of this came with the March 13th snow event. There were no outages during this late winter event that were caused by tree issues. The bar is set high for our power line clearance program to minimize tree related outages; this is done by maintaining qualified tree crews, having a plan for trimming and staying with this plan. To show appreciation for the crews, Joe and Garth invited the crews to an appreciation and safety recognition lunch at the Service Center (photo - right).



Electric Metering:



Every year during the month of March, the City of Loveland Electric Meter Department volunteers and teaches at the annual Rocky Mountain Electric Meter School at CSU in Ft. Collins. The school has been operational for over 25 years and is committed to ongoing electric metering training for utilities across the country. This year our electric metering group built a new piece of training equipment for the hands-on course and spent three days working with students to teach them the theory behind de-magnetizing a saturated current transformer. The device replicates and simulates a real world application while allowing the students to learn in a controlled safe setting.

Loveland's electric metering group takes great pride in being able to work with new apprentice students in the industry. It is important to the future of the trade, and the City of Loveland will continue to represent at RMEMA.

The device was built using a voltage variac to push voltage onto a primary current transformer, which then allows up to 500 AMPS to flow through a conductor that is then passed through a second current transformer. The high current passing through the second current transformer magnetizes the copper core within the current transformer and causes the accuracy ratio to be diminished causing inaccurate billing for energy usage. After the current transformer under test is magnetized, a variable resistor can be used to de-magnetize the current transformer and bring the accuracy ratio back into allowable standards.



UTILITY APPLICATION SERVICES:

OSS/BSS: Some members of the UAS team spent the afternoon with the City of Longmont thoroughly diving into their OSS/BSS software package GLDS. GLDS is one of the vendors who responded to our RFP. We greatly appreciate the time Longmont spent with us to show us behind the curtain. We feel much more confident with our knowledge base on the topic.

MDMS: We have our PM assigned from Smartworks and are starting to talk schedules. We are anticipating a summer start, which is right where we planned it to be.

Designer: We are still looking at the Compatible Units Library. This is the largest portion of the project. We are excited with what we have seen thus far.

Project & Request Tracking: One of the Technology Roadmap recommendations was to establish a tracking system for our team's work. Since the beginning of 2017 we have configured Cityworks for this purpose. The big projects, tracked as work orders, are reported to be approved and prioritized by our division's team. There are currently 23 approved projects in our queue, 7 of which currently have the status of "In Progress". The smaller, maintenance type jobs are tracked as service requests. So far this year we have completed 56 requests within an average of 7.33 days. These are the numbers broken down by type since 2017:

Application Requests – 6.18 days
Application Support – 9.64 days
Data Requests – 7.14 days

Hardware Support – 8.79 days
Map Requests – 5.12 days
Report Requests – 7.14 days

UTILITY ACCOUNTING:

Update on External Wastewater Loan: Through the third week of March, \$24.7 million of the total \$24.9 million loan amount has been drawn to help finance the Wastewater Treatment Expansion and Rehabilitation Project. Closing on the loan took place in February of 2017. The loan is being paid back partly out of wastewater unrestricted funds and part from wastewater SIF funds. Instead of the entire \$24.9 million being drawn at the beginning of the loan, the loan has been drawn down as project invoices have been processed, much like a line of credit. Being able to delay the drawing of funds will save approximately \$1.8 million in interest charges in comparison to if the loan proceeds had been received in full on the front end of the loan.

Year-End Process Completed...Next, The Auditors: The year-end closing process is now finished for water, wastewater and power. The next step is the review by our external auditors, and that work began the week of March 18.

Regional Rate Comparison: We have known for many years that our electric rates are very competitive in the state. Now, according to a new survey from Nebraska Municipal Power Pool (NMPP), we have discovered that our rates are very competitive even for the areas surrounding Colorado. This survey includes 141 utilities in 7 states (Colorado, Nebraska, Kansas, Wyoming, North Dakota, South Dakota and Iowa), and compared monthly electric utility bills for Residential, Commercial and Large General customer classes. The survey covered several scenarios, but, to cite a few examples, in looking at summer bills for scenarios closest to our average customers, Loveland ranked #31 (31st lowest out of 141 utilities) for Residential, #45 for Small Commercial and #46 for Large Commercial. In addition, NMPP also surveyed water and wastewater utilities, and Loveland wound up in the highest third for water and slightly higher than the middle for wastewater. For residential customers, Loveland was ranked 100th lowest out of 142 water utilities and ranked 81st lowest out of 139 wastewater utilities.

CUSTOMER RELATIONS:

Children's Day: LWP staff celebrated another successful Children's Day this year. Kids and parents were excited to view the always-popular the power safety demonstration. Additionally, attendees were invited to decorate compostable cups to plant their own water-efficient wildflower seeds. Attendance was higher than last year, and attendees enjoyed available activities.

Garden In a Box: In partnership with Resource Central, LWP is offering residential customers a \$25 discount on the purchase of a Xeric garden kit. These ready-made kits allow customers to conserve water in their home gardens through a pre-selection of water-conscious plants. Boxes became available to purchase on March 4th, and are on-track with this year's goals. www.cityofloveland.org/GIAB

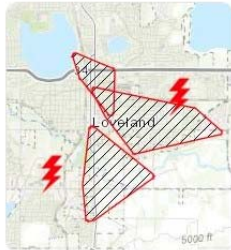
Larimer County Food Bank: The Efficiency Works Team was hard at work this month with a donation of 3,800 LED bulbs to be distributed to Larimer County Food Bank clients.

The Great Divide Movie Screening: LWP partnered with Parks and Recreation to screen "The Great Divide" this month—A documentary on water resources. After the screening, Larry Howard answered questions from the public. With the event receiving above-average attendance, Loveland citizens expressed an appreciation for the knowledgeable guest and helpful information.

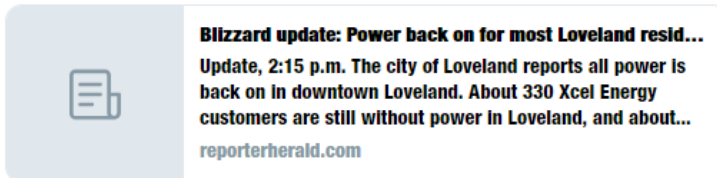


Customer Experience Training: The customer experience training that began in 2018 is complete. Customer Relations partnered with the Customer Experience Team to provide a 7-part training session with two city staff groups focused on improving the customer experience. Participation was excellent, and these teams are now ready to apply their their new skills while working with the public.

RH Reporter-Herald @reporterherald · Mar 13
Currently 2,176 people without power in Loveland right now, per @LovelandWLP. Weather update to come later. These are the outage zones:



RH Reporter-Herald @reporterherald · Mar 13
Blizzard update: About 2,176 customers without power in Loveland



New Power Outage Mapping: In the wake of the March blizzard, Customer Relations released the latest interactive emergency tool: a live, interactive power outage map of Loveland. UAS designed this tool to allow residents and businesses an on-demand view of current outages. It was made active on the website on the morning of the blizzard. Not only did this map receive over 800 views, news media outlets were distributing screenshots of the map to inform Loveland citizens about current outages in

town. Media outlets were also able to use the map to confirm when all LWP power was back up-and running.

Honoring the Loveland Lineman Legacy: April 18th is National Lineman Appreciation Day. The Customer Relations team will be

celebrating this occasion with a feature in the City Update on the “Legacy” art installation and power distribution system that was finalized downtown in February. The focus of the article will be the prominent efforts of lineman in the Big Thompson Canyon and will encourage readers to view the new Circuit 911 video posted on YouTube last month.

Raptors of Northern Colorado: This popular educational session will be making a return in 2019. In this presentation citizens will hear about the Raptors’ natural history, abundance, and survival, and also the importance of conserving habitat for these birds. LWP staff will be partnering with Parks and Recreation to host this event, which will take place on March 28th, 2:00 p.m. to 4:00 p.m. at the Loveland Senior Center.

The Three B’s – Award Winning Plants for Bees, Butterflies and Beauty: LWP, in partnership with Resource Central will be facilitating a seminar on April 17th at 5:30 p.m. at the Loveland Public Library. Citizens will learn what makes pollinator-friendly plant selections special, what their native habitat and cultural preferences are like, and how to use them in their own garden. A wide range of plants, from groundcovers to perennials and grasses to trees, will be covered. New research into native species vs. native plant selections will be also discussed.

Design-It-Yourself: How to Start a Xeriscape Garden: LWP is partnering with Resource Central in this seminar featuring a professional landscape designer and horticulturist. The guest speaker will discuss the many facets of a landscape to consider when creating a design, including soil quality, microclimates, and watering needs. Attendees will learn how to build a base map and plant list. This event will be at the Loveland Public Library on April 23rd at 5:30 p.m.

Hydrant Flushing: Customers will be reminded periodically for the next month to be aware of the annual hydrant flushing to take place from Mid-April to Mid-May. Based on the overall positive reception of the online power outage map, a map of the different flushing zones will be available on LWP social media channels to allow a visual look at where homes and residents may fall on the schedule.

Facebook Insights (March 2019):

- Reach (unique users) – 2,172 people
- Engagement (unique users) – 159 people
- Impressions (total count) – 6,280 people

Media:

- Green Car Reports– March 11, 2019: [Colorado to launch smart-charging pilot program as it prepares for EVs](#)
- Digital Journal– March 12, 2019: [Colorado launches pilot program to install smart chargers for EVs](#)
- Reporter Herald Reporter Herald– March 13, 2019: [Blizzard update: Loveland suspends trash and recycling pickup](#)
- Coloradoan– March 13, 2019: [Thousands without power in Northern Colorado as bomb cyclone blizzard strikes](#)
- Reporter Herald– March 13, 2019: [Blizzard delivers power outages, travel problems to Loveland area](#)
- North Forty News– March 14, 2019: [Efficiency Works provides free LEDs to local food banks](#)
- Reporter Herald– March 14, 2019: [Loveland emerges relatively unscathed from blizzard](#)
- BizWest– March 15, 2019: [Utilities to deliver LED bulbs to area food banks](#)
- Reporter Herald– March 18, 2019: [Loveland to put \\$87 million in coffers of new municipal broadband utility](#)
- Colorado Sun– March 19, 2019: [Chemical contamination from 7 Colorado coal-fired power plants found during groundwater monitoring](#)
- Coloradoan– March 19, 2019: [Platte River Power Authority finds contaminated groundwater near Rawhide coal plant](#)
- Reporter Herald– March 21, 2019: [PRPA finds groundwater contaminants near Rawhide coal station](#)
- San Francisco Chronicle– March 22, 2019: [Utility finds groundwater contaminants near coal station](#)
- Reporter Herald– March 24, 2019: [Joint projects on horizon for Loveland City Council, Thompson School District board](#)
- Reporter Herald– March 27, 2019: [Loveland city and school officials say yes to slate of projects](#)
- BizWest– March 29, 2019: [Loveland broadband bonds rated at A+](#)
- Reporter Herald– March 29, 2019: [City of Loveland bonds for broadband go to market with A+ rating](#)
- KGAB AM 650– April 5, 2019: [Company Proposes 120-Turbine Wind Farm West of Cheyenne](#)