

**REGULAR MEETING AGENDA****CALL TO ORDER****NEW EMPLOYEE INTRODUCTIONS****APPROVAL OF MINUTES – 4/18/2018****CITIZENS REPORT** (*See procedural instructions on the following page.)**INFORMATION ITEMS**

1. Financial Report Update – Jim Lees
2. Electric Legislative Update – Kim O’Field
3. Water Legislative Update – Ryan Van Pelt
4. Water Supply Update – Ryan Van Pelt

REGULAR AGENDA

5. Boyd Parallel Interceptor Phase 2 & Morning Dr. 30" Waterline Extension – Phase 2 Construction Contract – Tanner Randall
6. 2019 Budget Review for Water, Wastewater and Power – Jim Lees
7. Supplemental Appropriation for Power – Brieana Reed-Harmel
8. Appointment of Loveland Utilities Commission (LUC) board members as liaisons for the 2018 Water/Wastewater Cost-of-Service Study – Jim Lees

STAFF REPORTS

9. Installation of Directional Bore on 3rd St. – Chad Riess

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”.

The password to the public access wireless network (colguest) is accesswifi

Commission Members Present: Dan Herlihey (Vice Chair), Dave Kavanagh, David Schneider, Gary Hausman (Chairman), Gene Packer, Larry Roos, John Butler, Randy Williams, Sean Cronin

Alternate Commission Members Absent: Stephanie Fancher-English

Council Liaison Absent: Steve Olson

City Staff Members Present: Allison Bohling, Bob Miller, Brian Gandy, Brieana Reed-Harmel, Daniel Daneshka, Derek Turner, Jon Shepard, John Beckstrom, Kim O'Field, Kim Reeves, Larry Howard, Michelle Erickson, Nathan Alburn, Roger Berg, Ryan Greene, Ryan Van Pelt, Tanner Randall, Tom Greene, Tracey Hewson

Guest Attendance: Dick Mallet

CALL TO ORDER: Gary Hausman called the meeting to order at 4:01 pm.

NEW EMPLOYEE INTRODUCTIONS: Jon Shepard and Ryan Greene

APPROVAL OF MINUTES: Hausman asked for a motion to approve the minutes of the March 21, 2018 meeting.

Motion: Dan Herlihey made the motion.

Second: Gary Hausman seconded the motion. The minutes were approved unanimously.

CITIZEN REPORTS: Dick Mallet discussed customer concerns that were brought up at last night's City Council meeting regarding the net-metering rate. Joe Bernosky mentioned that he will be following up with Council and the customer to address his concerns. Mallet also inquired for more information about when LWP will be re-examining the net-metering rate structure. Bernosky stated that net-metering rates will be analyzed again in 2019 during the Power Cost of Service study.

INFORMATION ITEMS

Item 1: 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 2: 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 3: Water Supply Update – Ryan Van Pelt

Raw water supply update.

Information item only. No action required.

CONSENT AGENDA

Item 4: Quarterly Goal Updates – Joe Bernosky

This is a quarterly review of our progress on our 2018 utility goals.

Recommendation: Review the presented information and approve the 2018 1st Quarter Goals Update Report.

Motion: Dan Herlihey made the motion to accept consent agenda items as written.

Second: John Butler seconded the motion. The motion was approved unanimously.

Item 5: WWTP - Water Quality Lab Phase II Design, Contract Amendment (#2) with HDR Engineering – Tom Greene

This item is for the approval for the contract amendment to HDR Engineering for the WWTP Water Quality Lab (WQL) Phase II Design, project number W1702H. HDR completed the WQL Phase I conceptual design, which is the basis of design.

Recommendation: Adopt a motion recommending that the LUC approve the change order to the contract for Final Design of the WWTP Water Quality Lab Phase II with HDR to increase the not-to-exceed amount to \$546,326 and authorize the City Manager to sign the change order on behalf of the City. (Copy and paste recommendation from agenda coversheets).

Dan Herlihey abstained from the vote.

Motion: John Butler made the motion to accept consent agenda items as written.

Second: Sean Cronin seconded the motion. The motion was approved unanimously.

REGULAR AGENDA

Item 6: Wastewater Treatment Plant Biological Nutrient Removal & Digester Project – Package 3 Construction Contract – Brian Gandy

This is for the approval of the construction contract for Package 3 of the Wastewater Treatment Plant Biological Nutrient Removal & Digester Project (Project # W1604H).

Recommendation: Adopt a motion to recommend that City Council approve the Construction Contract with Garney Construction in the amount of \$3,361,416 (Copy and paste recommendation from agenda coversheets).

Motion: Dan Herlihey made the motion.

Second: John Butler seconded the motion. The motion was approved unanimously.

Item 7: Proposed 10-Year Capital Improvement Plan – Jim Lees

The purpose of this item is to present an overview of the 2019 to 2028 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.

Recommendation: Adopt a motion recommending that City Council approve the proposed 2019 10-Year CIPs for the Raw Water, Water, Wastewater and Power Utilities.

Motion: John Butler made the motion.

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

STAFF REPORTS

Item 8: 2017 Levels of Service Update for Water and Wastewater Utilities – Michelle Erickson

This item provides a yearly update of our 2017 Levels of Service performance compared to prior years for the Water and Wastewater Utilities.

Staff report only. No action required.

Item 9: 2017 Water Loss Audit Update – Michelle Erickson

This item reviews the results of the Water Loss Audit of 2017, including ways to improve data validity of future audits, the progress made to improve the water tracking methods, and the actions taken or identified to better manage or reduce non-revenue water.

Staff report only. No action required.

Item 10: Quarterly Financial Report Update – Jim Lees

This item summarizes the monthly and year-to date Preliminary financials for March 2018.

Staff report only. No action required.

COMMISSION/COUNCIL REPORTS

Item 11: Commission/Council Reports

- Activity board members attended since last meeting – March 21, 2018

Dan Herlihey: He left meeting before commission and council report.

Dave Kavanagh: Mentioned a new private lake that is being built in Severance and asked if staff or board members new any details about this project.

Dave Schneider: Inquired about the recent changes in increase in CBT water cost.

Gene Packer: Extended the invite to other board members to attend a concert he is planning in that features music honoring presidents.

Gary Hausman: Discussed the recent price increase in CBT water.

Larry Roos: Nothing to Report

John Butler: Asked if the board could be provided with the excel versions of spreadsheets to review information in the future.

Randy Williams: Discussed his experience at the Northern Water Spring Water Users Meeting.

Sean Cronin: Highlighted letters from water utilities that have been written to Arizona about their water use. Also, discussed feedback from Left Hand Water District about the cost of CBT water.

Council Report:

Joe Bernosky provided this report on behalf on Councilor Olson.

City Council Study Session – March 27

Nothing of Interest

City Council Regular Meeting – April 3

Nothing of Interest

City Council Study Session – April 10

Nothing of Interest

City Council Regular Meeting – April 17

Nothing of interest

DIRECTOR'S REPORT

Item 12: Director's Report – Joe Bernosky

ADJOURN The meeting was adjourned at 7:00 pm. The next LUC Meeting will be May 16, 2018 at 4:00 pm.

Respectfully submitted,

Allison Bohling
Recording Secretary
Loveland Utilities Commission


ITEM TITLE:

Financial Report Update

DESCRIPTION:

This item summarizes the monthly and year-to date Preliminary financials for April 2018.

SUMMARY:

The April 2018 financial reports are submitted for Commission review. The following table summarizes the sales and expense results for the month of April, and the April Year-To-Date results in comparison to the same periods from 2017. The summarized and detailed monthly financial statements that compare April Year-To-Date actuals to the 2018 budgeted figures are attached.

	April				April Year-To-Date			
	2018	2017	\$ Ovr/(Und)	% Ovr/(Und)	2018	2017	\$ Ovr/(Und)	% Ovr/(Und)
			vs. 2017	vs. 2017			vs. 2017	vs. 2017
WATER								
Sales	\$903,116	\$858,238	\$44,878	5.2%	\$3,529,973	\$3,211,868	\$318,105	9.9%
Operating Expenses	\$767,091	\$1,747,933	(\$980,842)	-56.1%	\$4,707,650	\$4,555,468	\$152,182	3.3%
Capital (Unrestricted)	\$81,183	\$258,973	(\$177,790)	-68.7%	\$290,411	\$307,546	(\$17,135)	-5.6%
WASTEWATER								
Sales	\$966,731	\$881,356	\$85,375	9.7%	\$3,985,091	\$3,565,125	\$419,966	11.8%
Operating Expenses	\$624,497	\$527,991	\$96,507	18.3%	\$2,522,300	\$2,160,251	\$362,049	16.8%
Capital (Unrestricted)	\$1,111,965	\$277,012	\$834,953	301.4%	\$1,814,689	\$529,268	\$1,285,421	242.9%
POWER								
Sales	\$4,785,748	\$4,538,959	\$246,788	5.4%	\$20,506,396	\$18,890,995	\$1,615,401	8.6%
Operating Expenses	\$4,022,770	\$4,033,686	(\$10,915)	-0.3%	\$17,352,490	\$16,699,020	\$653,470	3.9%
Capital (Unrestricted)	\$850,637	\$583,409	\$267,227	45.8%	\$2,988,188	\$2,746,065	\$242,123	8.8%

RECOMMENDATION:

Information 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 A

City of Loveland
Financial Statement-Raw Water
For Period Ending 04/30/2018 **Preliminary**

	* TOTAL BUDGET FYE 12/31/2018	* YTD ACTUAL	YTD BUDGET	OVER <UNDER>	VARIANCE
1 REVENUES & SOURCES					
2 High Use Surcharge	* 74,667	* (3,701)	24,888	(28,589)	-114.9%
3 Raw Water Development Fees/Cap Rec Surcharge	* 514,952	* 127,427	171,652	(44,225)	-25.8%
4 Cash-In-Lieu of Water Rights	* 527,084	* 334,560	175,696	158,864	90.4%
5 Native Raw Water Storage Fees	* 31,598	* 288,232	10,532	277,700	2636.7%
6 Loan Payback from Water	* 32,500	* 0	10,833	(10,833)	-100.0%
7 Raw Water 3% Transfer In	* 491,220	* 105,899	106,464	(565)	-0.5%
8 Interest on Investments	* 351,950	* 114,868	117,316	(2,448)	-2.1%
9 TOTAL REVENUES & SOURCES	* 2,023,971	* 967,286	617,381	349,904	56.7%
10 OPERATING EXPENSES					
11 Loan to Water	* 0	0	0	0	0.0%
12 Windy Gap Payments	* 7,100	* 7,044	7,100	(56)	-0.8%
13 TOTAL OPERATING EXPENSES	* 7,100	* 7,044	7,100	(56)	-0.8%
14 NET OPERATING REVENUE/(LOSS) (excl depr)	* 2,016,871	* 960,242	610,281	349,961	57.3%
15 RAW WATER CAPITAL EXPENDITURES	* 5,564,900	* 1,028,484	1,957,700	(929,216)	-47.5%
16 ENDING CASH BALANCES					
17 Total Available Funds	* 25,376,576				
18 Reserve - Windy Gap Cash	* 0				
19 Reserve - 1% Transfer From Rates	* 132,487				
20 Reserve - Native Raw Water Storage Interest	* 7,048				
21 TOTAL RAW WATER CASH	* 25,516,111				

NOTE: YTD ACTUAL DOES NOT INCLUDE ENCUMBRANCES TOTALING:

Attachment B

City of Loveland
Financial Statement-Water
For Period Ending 04/30/2018

		TOTAL BUDGET		OVER		
		* FYE 12/31/2018	* YTD ACTUAL	YTD BUDGET	<UNDER>	VARIANCE
1 **UNRESTRICTED FUNDS**						
3 Water Sales	*	16,373,998	*	3,529,973	3,548,821	(18,848)
4 Raw Water Transfer Out	*	(491,220)	*	(105,899)	(106,464)	565
5 Wholesale Sales	*	161,307	*	20,916	53,768	(32,852)
6 Meter Sales	*	94,722	*	29,469	31,576	(2,108)
7 Interest on Investments	*	89,770	*	13,757	29,924	(16,167)
8 Other Revenue	*	1,408,745	*	187,001	280,224	(93,223)
9 Federal and State Grants	*	0	*	75,804	0	75,804
10 Internal Loan Monies Received	*	750,000	*	750,000	750,000	0
11 External Loan Monies Received	*	0	*	0	0	0.0%
12 TOTAL REVENUES & SOURCES	*	18,387,322	*	4,501,019	4,587,849	(86,830)
13 OPERATING EXPENSES	*					
14 Source of Supply	*	2,810,906	*	669,972	921,871	(251,899)
15 Treatment	*	3,823,108	*	877,598	1,317,715	(440,117)
16 Distribution Operation & Maintenance	*	4,231,148	*	1,012,950	1,514,914	(501,964)
17 Administration	*	2,517,512	*	150,621	858,238	(707,617)
18 Customer Relations	*	421,932	*	81,168	162,801	(81,633)
19 PILT	*	1,111,790	*	239,685	222,360	17,325
20 1% for Arts Transfer	*	73,314	*	2,141	68,289	(66,148)
21 Services Rendered-Other Departments	*	1,480,676	*	494,404	494,404	0
22 Internal Loan Debt Expense	*	827,500	*	795,300	795,300	0
23 External Loan Debt Expense	*	1,015,150	*	383,812	338,384	45,428
24 TOTAL OPERATING EXPENSES	*	18,313,036	*	4,707,650	6,694,276	(1,986,626)
25 NET OPERATING REVENUE/(LOSS)(excl depr)	*	74,286	*	(206,631)	(2,106,427)	1,899,796
26 CAPITAL EXPENDITURES	*	3,184,583	*	290,411	2,195,933	(1,905,522)
27 ENDING CASH BALANCE (28% OF OPER EXP)	*			5,133,874		100
28 WATER DEBT FUNDS ENDING CASH BALANCE	*			142,446		100
29 MINIMUM BALANCE (15% OF OPER EXP)	*			2,746,955		
30 OVER/(UNDER) MINIMUM BALANCE	*			2,386,919		
31 **RESTRICTED FUNDS**	*					
32 REVENUES & SOURCES	*					
33 SIF Collections	*	6,168,963	*	537,459	1,080,930	(543,471)
34 SIF Interest Income	*	51,660	*	17,598	17,220	378
35 SIF Federal and State Grants	*	0	*	75,804	0	75,804
36 Internal Loan Monies Received	*	0	*	0	0	0.0%
37 TOTAL SIF REVENUES & SOURCES	*	6,220,623	*	630,861	1,098,150	(467,289)
38 SIF Capital Expenditures	*	7,527,489	*	176,063	2,794,373	(2,618,310)
39 1% for Arts Transfer	*	38,462	*	487	10,112	(9,625)
40 Legal Agreements & Shared Costs	*	276,440	*	17,885	116,023	(98,138)
TOTAL OPERATING EXPENSES	*	7,842,391	*	194,436	2,920,508	(2,726,072)
41 NET OPERATING REVENUE/(LOSS)(excl depr)	*	(1,621,768)	*	436,426	(1,822,358)	2,258,784
SIF ENDING CASH BALANCE				3,744,562		
42 TOTAL ENDING CASH BALANCE	*			8,878,436		
NOTE: YTD ACTUAL DOES NOT INCLUDE ENCUMBRANCES TOTALING:				3,536,034		
43 Water Treated at WTP (in million gallons)	*			866		
44 Water Sold To Customers (in million gallons,	*	3,757	*	616	628	(12)
	*					-2.0%

Attachment C

City of Loveland-LIVE Financial Statement-Wastewater For Period Ending 04/30/2018

		TOTAL BUDGET	OVER		
		* FYE 12/31/2018	* YTD ACTUAL	YTD BUDGET	<UNDER> VARIANCE
1 **UNRESTRICTED FUNDS**	*	*	*		
2 REVENUES & SOURCES	*	*	*		
3 Sanitary Sewer Charges	*	12,620,160 *	3,985,091	4,014,262	(29,171) -0.7%
4 High Strength Surcharge	*	393,240 *	136,496	103,500	32,996 31.9%
5 Interest on Investments	*	88,800 *	52,353	29,600	22,753 76.9%
6 Other Revenue	*	763,090 *	24,396	251,906	(227,510) -90.3%
7 Bond Proceeds	*	15,659,620 *	3,759,760	3,759,760	(0) 0.0%
8 Federal Grants	*	0 *	0	0	0 0.0%
9 State Grants	*	0 *	0	0	0 0.0%
10 TOTAL REVENUES & SOURCES	*	29,524,910 *	7,958,096	8,159,028	(200,932) -2.5%
11 OPERATING EXPENSES	*	*	*	0	0.0%
12 Treatment	*	4,310,725 *	1,138,750	1,452,247	(313,498) -21.6%
13 Collection System Maintenance	*	3,389,734 *	669,950	1,186,792	(516,842) -43.5%
14 Administration	*	1,734,963 *	101,552	644,798	(543,246) -84.3%
15 Customer Relations	*	50,855 *	12,970	17,973	(5,003) -27.8%
16 PILT	*	910,940 *	288,511	282,391	6,120 2.2%
17 1% for Arts Transfer	*	255,989 *	16,297	215,731	(199,434) -92.4%
18 Services Rendered-Other Departments	*	758,706 *	253,541	253,541	0 0.0%
19 <u>Debt Service</u>	*	88,819 *	40,730	29,608	11,122 37.6%
20 TOTAL OPERATING EXPENSES	*	11,500,731 *	2,522,300	4,083,081	(1,560,781) -38.2%
21 NET OPERATING REVENUE/(LOSS)(excl depr)	*	18,024,179 *	5,435,796	4,075,947	1,359,849 33.4%
22 CAPITAL EXPENDITURES	*	24,916,928 *	1,814,689	20,560,722	(18,746,033) -91.2%
23 ENDING CASH BALANCE (110% OF OPER EXP) WASTEWATER DEBT FUNDS ENDING CASH	*	*	12,756,953		100
24 BALANCE	*	*	55,599		100
25 MINIMUM BALANCE (15% OF OPER EXP)	*	*	1,725,110		
26 OVER/(UNDER) MINIMUM BALANCE	*	*	11,031,843		
27 **RESTRICTED FUNDS**	*	*			
28 REVENUES & SOURCES	*	*			
29 SIF Collections	*	2,386,151 *	335,865	633,588	(297,723) -47.0%
30 SIF Interest Income	*	89,010 *	47,426	29,672	17,754 59.8%
31 SIF Bond Proceeds	*	8,691,380 *	2,304,369	2,304,369	0 0.0%
32 TOTAL SIF REVENUES & SOURCES	*	11,166,541 *	2,687,660	2,967,629	(279,969) -9.4%
33 SIF Capital Expenditures	*	17,573,793 *	1,465,849	12,888,933	(11,423,084) -88.6%
34 1% for Arts Transfer	*	177,664 *	12,702	134,560	(121,858) -90.6%
35 Debt Service	*	49,406 *	24,963	16,468	8,495 51.6%
TOTAL OPERATING EXPENSES	*	*	1,528,478		100
NET SIF OPERATING REVENUE		4,393,803	1,159,181	5,623,179	1,823,764 100
SIF ENDING CASH BALANCE	*	*	8,500,332		100
TOTAL ENDING CASH BALANCE			21,257,285		

NOTE: YTD ACTUAL DOES NOT INCLUDE ENCUMBRANCES TOTALING 27,283,482

36 Wastewater Treated at WWTP (in million gallons)	*	N/A *	679	N/A	
37 Wastewater Billed To Customers (in million gallons)	*	1,768 *	542	549	(7) -1.3%

Attachment D

City of Loveland
Financial Statement-Power
For Period Ending 4/30/2018 - **Preliminary**

	* TOTAL BUDGET	* YTD ACTUAL	YTD BUDGET	OVER <UNDER>	VARIANCE
UNRESTRICTED FUNDS					
1 REVENUES & SOURCES:					
2 Electric revenues	* \$65,421,010	* \$20,506,396	\$20,549,400	(\$43,004)	-0.2%
3 Wheeling charges	* \$260,000	* \$72,890	\$86,667	(\$13,777)	-15.9%
4 Interest on investments	* \$258,420	* \$68,511	\$86,140	(\$17,629)	-20.5%
5 Aid-to-construction deposits	* \$1,530,000	* \$444,086	\$510,000	(\$65,914)	-12.9%
6 Customer deposit-services	* \$310,000	* \$49,428	\$103,333	(\$53,905)	-52.2%
7 Late Payment Penalty Fees	* \$450,000	* \$152,655	\$150,000	\$2,655	1.8%
8 Connect Fees	* \$170,000	* \$47,429	\$56,667	(\$9,238)	-16.3%
9 Services rendered to other depts.	* \$0	* \$0	\$0	\$0	0.0%
10 Other revenues	* \$306,230	* \$225,866	\$102,077	\$123,789	121.3%
11 Federal Grants	* \$365,000	* \$0	\$121,667	(\$121,667)	-100.0%
12 State Grants	* \$61,000	* \$0	\$20,333	(\$20,333)	-100.0%
13 Year-end cash adjustments	* \$0	* \$0	\$0	\$0	0.0%
14 TOTAL REVENUES & SOURCES	* \$69,131,660	* \$21,567,261	\$21,786,283	(\$219,023)	-1.0%
15 OPERATING EXPENSES:					
16 Hydro oper. & maint.	* \$1,309,821	* (\$31,212)	\$453,400	(\$484,611)	-106.9%
17 Solar oper.& maint.	* \$90,000	* \$850	\$31,154	(\$30,304)	-97.3%
18 Purchased power	* \$44,079,146	* \$13,101,294	\$13,067,642	\$33,652	0.3%
19 Distribution oper. & maint.	* \$5,617,230	* \$1,513,490	\$1,944,426	(\$430,935)	-22.2%
21 Customer Relations	* \$1,528,241	* \$151,478	\$529,007	(\$377,528)	-71.4%
22 Administration	* \$3,732,454	* \$255,540	\$1,292,003	(\$1,036,464)	-80.2%
23 Payment in-lieu-of taxes	* \$4,579,440	* \$1,419,970	\$1,479,159	(\$59,189)	-4.0%
24 1% for Arts Transfer	* \$83,488	* \$16,570	\$26,967	(\$10,397)	-38.6%
25 Services rendered-other depts.	* \$2,767,799	* \$924,510	\$922,600	\$1,910	0.2%
26 TOTAL OPERATING EXPENSES (excl depn)	* \$63,787,619	* \$17,352,490	\$19,746,356	(\$2,393,867)	-12.1%
27 NET OPERATING REVENUE/(LOSS) (excl depn)	* \$5,344,041	* \$4,214,771	\$2,039,927	\$2,174,844	\$0
28 CAPITAL EXPENDITURES:					
29 General Plant/Other Generation & Distribution	* \$10,213,838	* \$2,121,214	\$3,498,997	(\$1,377,784)	-39.4%
30 Aid-to-construction	* \$1,110,000	* \$777,679	\$384,231	\$393,448	102.4%
31 Service installations	* \$310,000	* \$89,295	\$107,308	(\$18,013)	-16.8%
32 TOTAL CAPITAL EXPENDITURES	* \$11,633,838	* \$2,988,188	\$3,990,536	(\$1,002,348)	-25.1%
33 ENDING CASH BALANCE (24% of Oper Exp)		* \$15,292,968			
34 MINIMUM BAL. (24% of OPER EXP)		* \$14,671,152			
35 OVER/(UNDER) MINIMUM BALANCE		* \$621,816			
36 **RESTRICTED FUNDS**					
37 PIF Collections	* \$3,115,400	* \$880,294	\$1,038,467	(\$158,173)	-15.2%
38 PIF Interest Income	* \$12,350	* \$27,124	\$4,117	\$23,007	558.9%
39 Water Loan Payback	* \$795,000	* \$795,300	\$795,000	\$300	0.0%
40 Federal Grants	* \$0	* \$0	\$0	\$0	0.0%
41 State Grants	* \$0	* \$0	\$0	\$0	0.0%
42 TOTAL REVENUES	* \$3,922,750	* \$1,702,717	\$1,837,583	(\$134,866)	-7.3%
43 PIF Feeders	* \$3,700,000	* \$100,253	\$1,280,769	(\$1,180,516)	-92.2%
44 PIF Substations & Solar	* \$1,850,000	* \$0	\$616,667	(\$616,667)	-100.0%
45 TOTAL EXPENDITURES	* \$5,550,000	* \$100,253	\$1,897,436	(\$1,797,183)	-94.7%
46 ENDING PIF CASH BALANCE		* \$5,196,680			
47 TOTAL ENDING CASH BALANCE		* \$20,489,648			

NOTE: YTD ACTUAL does NOT include encumbrances totalling \$5,495,190

48 Energy Purchased (in million kWh) from PRPA	* 744	* 235	234	2	0.8%
49 Energy Sold to Customers (in million kWh)	* 715	* 236	234	3	1.2%



AGENDA ITEM: 2
MEETING DATE: 5/16/2018
SUBMITTED BY: Kim O'Field
STAFF TITLE: Technical Specialist

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 from CAMU.

RECOMMENDATION:

Information item only. No action required.

ATTACHMENTS:

 Attachment A: Legislative Tracking Sheet

Attachment A



Colorado Association of Municipal Utilities 2018 State Legislative Tracking Sheet

HB18-1061

No Encryption Of Dispatch Radio Communications

Comment:**Position:****Monitor****Short Title:**

No Encryption Of Dispatch Radio Communications

Sponsors:

K. Van Winkle

Summary:

The bill states that each entity of the state government and each entity of the government of each city, county, and city and county (government entity) shall broadcast its dispatch radio communications without encryption such that the communications may be monitored by commercially available radio receivers and scanners; except that:

- ★ A government entity may encrypt tactical radio communications or investigative radio communications so long as the encryption is necessary to preserve the tactical integrity of an operation, protect the safety of law enforcement officers or other emergency responders, or prevent the destruction of property; and
- ★ An investigative unit of a government entity engaged in the investigation of criminal conduct or potential criminal conduct may encrypt its radio communications.

Any government entity that encrypts any of its dispatch radio communications shall disclose on its public website and make available for public inspection a list of its radio communication channels, a description of the functions allocated to those channels, and an indication of which of the channels are always encrypted or sometimes encrypted. In describing the functions of the channels, the government entity shall indicate whether each channel is used for

tactical radio communications or investigative radio communications.

Any person has standing to bring an action for injunctive relief in district court against any sheriff, chief of police, fire chief, or other administrative head of any government entity for an allegedly unlawful encryption of dispatch radio communications.

Any person who monitors dispatch radio communications of a government entity for the purpose of perpetrating or attempting to perpetrate criminal activity or assisting another person in the furtherance of criminal activity commits a class 3 misdemeanor.

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

Status: 1/10/2018 Introduced In House - Assigned to State, Veterans, & Military Affairs
1/18/2018 House Committee on State, Veterans, & Military Affairs Postpone Indefinitely

Amendments:

Bill Version: Introduced

HB18-1085**Health Effects Industrial Wind Turbines**

Comment:

Position: **Monitor**

Short Title: Health Effects Industrial Wind Turbines

Sponsors: P. Lundeen

Summary: The bill requires the department of public health and environment to research and compile information on the health effects of noise and stray voltage from industrial wind energy turbines on humans and animals. The department must report research results to the general assembly by January 1, 2020, and present the report to a joint legislative committee of reference. The research and reporting requirements are repealed July 1, 2020.

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

Status: 1/18/2018 Introduced In House - Assigned to Transportation & Energy
2/8/2018 House Committee on Transportation & Energy Postpone Indefinitely

Amendments:

Bill Version: Introduced

HB18-1107**Prewire Residence For Electric Vehicle Charging Port****Comment:****Position:****Monitor****Short Title:**

Prewire Residence For Electric Vehicle Charging Port

Sponsors:

M. Weissman / K. Priola

Summary:

Under existing law, builders must offer a 'solar prewire' option to purchasers of certain newly constructed residences. The bill applies a similar requirement to facilitate the installation of electric vehicle charging systems by purchasers of new residences, both in traditional detached, single-family homes and also in buildings that contain owner-occupied condominium units.

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

Status:

1/18/2018 Introduced In House - Assigned to Transportation & Energy
2/8/2018 House Committee on Transportation & Energy Refer Unamended to House Committee of the Whole
2/13/2018 House Second Reading Passed - No Amendments
2/14/2018 House Third Reading Passed - No Amendments
2/21/2018 Introduced In Senate - Assigned to Transportation
3/20/2018 Senate Committee on Transportation Postpone Indefinitely

Amendments:**Bill Version:**

Reengrossed

HB18-1128**Protections For Consumer Data Privacy****Comment:****Position:****Monitor****Short Title:**

Protections For Consumer Data Privacy

Sponsors:

C. Wist | J. Bridges / K. Lambert | L. Court

Summary:

Except for conduct in compliance with applicable federal, state, or local law, the bill requires covered and governmental entities in Colorado that maintain paper or electronic documents (documents) that contain personal identifying information (personal information) to develop and maintain a written policy for the destruction and proper disposal of those documents. Entities that maintain, own, or license personal information, including those that use a nonaffiliated

third party as a service provider, shall implement and maintain reasonable security procedures for the personal information. The notification laws governing disclosure of unauthorized acquisitions of unencrypted and encrypted computerized data are expanded to specify who must be notified following such unauthorized acquisition and what must be included in such notification.

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

Status:	1/19/2018 Introduced In House - Assigned to State, Veterans, & Military Affairs 2/14/2018 House Committee on State, Veterans, & Military Affairs Refer Amended to Appropriations 4/19/2018 House Committee on Appropriations Refer Unamended to House Committee of the Whole 4/19/2018 House Second Reading Special Order - Passed with Amendments - Committee, Floor 4/20/2018 House Third Reading Passed - No Amendments 4/23/2018 Introduced In Senate - Assigned to State, Veterans, & Military Affairs 5/1/2018 Senate Committee on State, Veterans, & Military Affairs Refer Amended - Consent Calendar to Senate Committee of the Whole 5/2/2018 Senate Second Reading Special Order - Passed with Amendments - Committee 5/3/2018 Senate Third Reading Passed - No Amendments 5/3/2018 House Considered Senate Amendments - Result was to Laid Over Daily 5/4/2018 House Considered Senate Amendments - Result was to Concur - Repass
Amendments:	Amendments
Bill Version:	Pre-Amended

HB18-1215**Safe Disposal Naturally Occur Radioactive Material**

Comment:**Position:****Monitor****Short Title:**

Safe Disposal Naturally Occur Radioactive Material

Sponsors:

J. Arndt / M. Jones

Summary:

Current law allows the state board of health to adopt rules concerning the disposal of naturally occurring radioactive materials (NORM) only after the federal environmental protection agency (EPA) has

adopted rules concerning the disposal of NORM. The EPA has not adopted the rules. The bill:

- ★ Requires the state board to adopt rules for the disposal of NORM and technologically enhanced NORM (TENORM); and
- ★ While the state board is conducting its rule-making investigation, requires:
 - ★ The department of public health and environment (department) to convene a stakeholder group;
 - ★ Generators of NORM and TENORM waste to report to the department;
 - ★ The department to contract for the creation of a report;
 - ★ The department to submit the report to the general assembly;
 - ★ The department to propose draft rules; and
 - ★ Generators of NORM and TENORM waste to comply with guidance and letters issued by the department and its solid waste management program.

The bill appropriates \$16,596,405 from the general fund to the department for use by the hazardous materials and waste management division to implement the act.

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

Status:	2/5/2018 Introduced In House - Assigned to Health, Insurance, & Environment 3/22/2018 House Committee on Health, Insurance, & Environment Refer Amended to Finance 4/18/2018 House Committee on Finance Refer Unamended to Appropriations 4/23/2018 House Committee on Appropriations Refer Amended to House Committee of the Whole 4/24/2018 House Second Reading Special Order - Passed with Amendments - Committee 4/25/2018 House Third Reading Passed - No Amendments 4/25/2018 Introduced In Senate - Assigned to State, Veterans, & Military Affairs 5/3/2018 Senate Committee on State, Veterans, & Military Affairs Postpone Indefinitely
Amendments:	Amendments
Bill Version:	Pre-Amended

HB18-1239

Sunset Environmental Management System Permit Program

Comment:**Position:** **Monitor****Short Title:** Sunset Environmental Management System Permit Program**Sponsors:** L. Landgraf / R. Scott**Summary:** **Sunset Process - House Health, Insurance, and Environment Committee.** The bill implements the recommendations of the sunset review and report on the environmental management system permit program by allowing the program to repeal.

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

Status: 2/12/2018 Introduced In House - Assigned to Health, Insurance, & Environment

2/22/2018 House Committee on Health, Insurance, & Environment Refer Unamended to House Committee of the Whole

2/27/2018 House Second Reading Laid Over to 02/28/2018 - No Amendments

2/28/2018 House Second Reading Passed - No Amendments

3/1/2018 House Third Reading Laid Over to 03/02/2018 - No Amendments

3/2/2018 House Third Reading Laid Over to 03/05/2018 - No Amendments

3/5/2018 House Third Reading Passed - No Amendments

3/12/2018 Introduced In Senate - Assigned to Agriculture, Natural Resources, & Energy

3/22/2018 Senate Committee on Agriculture, Natural Resources, & Energy Refer Unamended - Consent Calendar to Senate Committee of the Whole

3/27/2018 Senate Second Reading Passed - No Amendments

3/28/2018 Senate Third Reading Passed - No Amendments

4/2/2018 Signed by the Speaker of the House

4/3/2018 Sent to the Governor

4/3/2018 Signed by the President of the Senate

4/12/2018 Governor Signed

Amendments:**Bill Version:** Final Act

HB18-1270**Public Utilities Commission Evaluation Of Energy Storage Systems**

Comment:

Position:	Monitor
Short Title:	Public Utilities Commission Evaluation Of Energy Storage Systems
Sponsors:	C. Hansen J. Becker / J. Tate
Summary:	The bill directs the public utilities commission to adopt rules establishing mechanisms for the procurement of energy storage systems by investor-owned electric utilities, based on an analysis of costs and benefits as well as factors such as grid reliability and a reduction in the need for additional peak generation capacity. The information supplied by the utilities must include appropriate data and must specify interconnection points to enable independent evaluation.
<i>(Note: This summary applies to the reengrossed version of this bill as introduced in the second house.)</i>	
Status:	3/6/2018 Introduced In House - Assigned to Transportation & Energy 3/22/2018 House Committee on Transportation & Energy Refer Unamended to House Committee of the Whole 3/27/2018 House Second Reading Laid Over to 03/28/2018 - No Amendments 3/28/2018 House Second Reading Laid Over to 03/29/2018 - No Amendments 3/29/2018 House Second Reading Laid Over to 04/03/2018 - No Amendments 4/3/2018 House Second Reading Laid Over to 04/04/2018 - No Amendments 4/4/2018 House Second Reading Passed with Amendments - Floor 4/5/2018 House Third Reading Passed - No Amendments 4/5/2018 Introduced In Senate - Assigned to Agriculture, Natural Resources, & Energy 4/12/2018 Senate Committee on Agriculture, Natural Resources, & Energy Refer Amended to Senate Committee of the Whole 4/17/2018 Senate Second Reading Laid Over to 04/19/2018 - No Amendments 4/19/2018 Senate Second Reading Passed with Amendments - Committee, Floor 4/20/2018 Senate Third Reading Laid Over Daily - No Amendments 4/20/2018 House Considered Senate Amendments - Result was to Laid Over Daily 4/23/2018 Senate Third Reading Passed - No Amendments 4/26/2018 House Considered Senate Amendments - Result was to Not Concur - Request Conference Committee
Amendments:	Amendments
Bill Version:	Pre-Amended

HB18-1271**Public Utilities Commission Electric Utilities Economic Development Rates**

Comment:**Position:****Monitor****Short Title:**

Public Utilities Commission Electric Utilities Economic Development Rates

Sponsors:

M. Gray | Y. Willett / J. Tate

Summary:

The bill allows the public utilities commission to approve, and electric utilities to charge, economic development rates, which are lower rates for commercial and industrial users who locate or expand their operations in Colorado so as to increase the demand by at least 3 megawatts. To qualify for the economic development rates, these users must demonstrate that the cost of electricity is a critical consideration in their decision where to locate or expand their business and that the availability of lower rates is a substantial factor. The rates may be offered for up to 10 years.

The bill also authorizes the expansion of a voluntary renewable energy program or service offering as necessary to meet the needs of a commercial or industrial customer that makes a capital investment of \$250 million or more, requires the expansion in order to remain as a customer of a utility, or is a new customer.

Utilities that offer economic development rates shall not cross-subsidize the economic development rates by raising rates on other customers, and a utility bears the burden of proof on this issue in any proceeding before the commission.

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

Status:

3/6/2018 Introduced In House - Assigned to Transportation & Energy
4/5/2018 House Committee on Transportation & Energy Refer Amended to House Committee of the Whole
4/10/2018 House Second Reading Passed with Amendments - Committee
4/11/2018 House Third Reading Passed - No Amendments
4/11/2018 Introduced In Senate - Assigned to Business, Labor, & Technology
4/30/2018 Senate Committee on Business, Labor, & Technology Refer Unamended to Senate Committee of the Whole
5/2/2018 Senate Second Reading Passed - No Amendments
5/3/2018 Senate Third Reading Passed - No Amendments

5/3/2018 Senate Third Reading Reconsidered - No Amendments
5/3/2018 Senate Third Reading Passed - No Amendments

Amendments: [Amendments](#)

Bill Version: Pre-Amended

HB18-1274

Reduce Greenhouse Gas Emissions by 2050

Comment:

Position: **Monitor**

Short Title: Reduce Greenhouse Gas Emissions by 2050

Sponsors: K. Becker | J. Bridges / A. Kerr

Summary: The bill requires that, by the year 2050, statewide greenhouse gas emissions be reduced by at least 80% of the levels of greenhouse gas emissions that existed in the year 2005.

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

Status: 3/7/2018 Introduced In House - Assigned to Transportation & Energy

3/21/2018 House Committee on Transportation & Energy Refer Unamended to House Committee of the Whole

3/26/2018 House Second Reading Laid Over to 03/27/2018 - No Amendments

3/27/2018 House Second Reading Laid Over to 03/28/2018 - No Amendments

3/28/2018 House Second Reading Laid Over to 03/29/2018 - No Amendments

3/29/2018 House Second Reading Laid Over to 04/02/2018 - No Amendments

4/2/2018 House Second Reading Passed - No Amendments

4/3/2018 House Third Reading Passed - No Amendments

4/3/2018 Introduced In Senate - Assigned to State, Veterans, & Military Affairs + Agriculture, Natural Resources, & Energy + Transportation

4/11/2018 Senate Committee on State, Veterans, & Military Affairs Postpone Indefinitely

Amendments:

Bill Version: Reengrossed

HB18-1281

Public Utilities Commission Ethics And Improved Public Information Reporting

Comment:**Position:** **Monitor**

Short Title: Public Utilities Commission Ethics And Improved Public Information Reporting

Sponsors: D. Esgar / L. Garcia

Summary: **Section 2** of the bill prohibits a person from serving on the public utilities commission if, on or after July 1, 2018, he or she has or acquires any official relation to, or financial interest in, a regulated utility.

Section 3 encourages the director of the commission to assign employees to temporary training and development sessions with other state agencies, particularly those with which the commission has frequent interaction, to improve the employees' substantive expertise and familiarity with the operations of those agencies. Section 3 also requires the director to keep written and audio records of the commission's proceedings and make them publicly available online.

In addition, section 3 expressly authorizes the executive director of the department of regulatory agencies (of which the commission is a part) to request that the state auditor conduct performance audits of the commission and its staff and operations.

Section 4 directs the commission to adopt rules concerning:

- ★ Policies under which commissioners should recuse themselves from certain proceedings;
- ★ Conflicts of interest;
- ★ Activities and relationships that the commission deems incompatible with its policies concerning conflicts of interest; and
- ★ Ex parte communications.

Section 1 makes conforming amendments.

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

Status:
3/7/2018 Introduced In House - Assigned to Transportation & Energy
4/4/2018 House Committee on Transportation & Energy Refer Unamended to Finance
4/11/2018 House Committee on Finance Refer Amended to House Committee of the Whole
4/16/2018 House Second Reading Laid Over to 04/17/2018 - No

Amendments
4/17/2018 House Second Reading Passed with Amendments - Committee, Floor
4/18/2018 House Third Reading Laid Over to 04/19/2018 - No Amendments
4/19/2018 House Third Reading Passed - No Amendments
4/19/2018 Introduced In Senate - Assigned to State, Veterans, & Military Affairs
4/30/2018 Senate Committee on State, Veterans, & Military Affairs Postpone Indefinitely

Amendments:

[Amendments](#)

Bill Version:

Pre-Amended

HB18-1297

Climate Change Preparedness And Resiliency

Comment:

Position:

Monitor

Short Title:

Climate Change Preparedness And Resiliency

Sponsors:

F. Winter | B. Pettersen / K. Donovan

Summary:

The bill adopts the following greenhouse gas emission reduction goals:

- ★ Statewide greenhouse gas emissions should be reduced by 26% by 2025 when compared with 2005 levels; and
- ★ Carbon dioxide emissions from electrical generation, when compared with 2012 levels, should be reduced by 25% by 2025 and by 30% by 2030.

The Colorado resiliency and recovery office in the division of local government in the department of local affairs is required to, on an ongoing basis:

- ★ Collect and analyze data regarding the economic and environmental impacts of not addressing climate change and calculate the economic costs of climate change;
- ★ Develop a model to estimate the future impacts of climate change on Colorado;
- ★ Analyze the results of the modeling on regional and Colorado-specific climatic conditions currently and the expected future conditions under a variety of climate change scenarios;
- ★ Update the Colorado resiliency framework, taking into account the goals, the rules, and the data and analysis; and
- ★ Develop tools and resources to support locally led climate resilience initiatives.

The bill appropriates \$432,345 and 1.6 FTE to the department of local affairs for use by the Colorado resiliency and recovery office to implement the act.

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

Status:	3/16/2018 Introduced In House - Assigned to Transportation & Energy 3/21/2018 House Committee on Transportation & Energy Refer Unamended to Appropriations 4/19/2018 House Committee on Appropriations Refer Amended to House Committee of the Whole 4/23/2018 House Second Reading Passed with Amendments - Committee 4/24/2018 House Third Reading Passed - No Amendments 4/24/2018 Introduced In Senate - Assigned to State, Veterans, & Military Affairs 5/1/2018 Senate Committee on State, Veterans, & Military Affairs Postpone Indefinitely
Amendments:	Amendments
Bill Version:	Pre-Amended

HB18-1345	Electric Transmission Lines Right Of First Refusal
Comment:	CAMU voted to support PRPA efforts on ROFR legislation
Position:	Support
Short Title:	Electric Transmission Lines Right Of First Refusal
Sponsors:	J. Arndt C. Hansen / D. Coram D. Moreno
Summary:	The federal energy regulatory commission requires each public utility transmission provider to participate in a regional transmission planning process to produce a regional transmission plan. If construction of an electric transmission line (line) in Colorado has been approved in a regional transmission plan or by another applicable federal regional transmission planning requirement, the bill affords an incumbent electric utility owning the existing transmission facilities to which the line will connect up to 180 days after the line has been approved to give written notice to the public utilities commission (commission) that the incumbent electric utility intends to construct, own, and maintain the line. If the incumbent electric utility does not provide notice to the commission, the incumbent electric utility surrenders its right of first refusal to construct, own, and maintain the line. If the incumbent electric utility provides the notice, the incumbent electric utility, if it is subject to

the commission's regulation, shall, within 24 months after filing the notice, file an application with the commission for a certificate of public convenience and necessity to construct the line.
(Note: This summary applies to this bill as introduced.)

Status: 3/27/2018 Introduced In House - Assigned to Transportation & Energy
4/26/2018 House Committee on Transportation & Energy Postpone Indefinitely

Amendments:

Bill Version: Introduced

HB18-1382**Create Energy Legislation Review Committee**

Comment:

Position: **Monitor**

Short Title: Create Energy Legislation Review Committee

Sponsors: C. Hansen

Summary: The bill creates the energy legislation review committee to study energy development, grid security, energy supply and transmission planning, and other issues that affect energy policy in Colorado, beginning in 2019.

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

Status: 4/11/2018 Introduced In House - Assigned to Transportation & Energy
4/18/2018 House Committee on Transportation & Energy Refer Amended to Legislative Council
4/26/2018 House Committee on Legislative Council Postpone Indefinitely

Amendments: [Amendments](#)

Bill Version: Pre-Amended

HB18-1383**Bonding Requirements For Public Projects Using Private Financing**

Comment:

Position: **Monitor**

Short Title: Bonding Requirements For Public Projects Using Private Financing

Sponsors: F. Winter / K. Priola
Summary: Pursuant to current law, when a person, company, firm, corporation, or contractor (contractor) enters into a contract with certain governmental entities or governmental bodies to perform work in connection with certain projects, the contractor is required to execute performance bonds and payment bonds.

The bill specifies that these bonding requirements apply to all construction contracts situated or located on public real property using public or private money, public or private financing, or public real property; except that the bonding requirements do not apply in the case of contracts for the development, restoration, or enhancement of wildlife habitat.

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

Status: 4/12/2018 Introduced In House - Assigned to Business Affairs and Labor
4/24/2018 House Committee on Business Affairs and Labor Refer Amended to House Committee of the Whole
4/26/2018 House Second Reading Special Order - Passed with Amendments - Committee
4/27/2018 House Third Reading Passed - No Amendments
4/27/2018 Introduced In Senate - Assigned to Finance
5/2/2018 Senate Committee on Finance Postpone Indefinitely

Amendments: [Amendments](#)

Bill Version: Pre-Amended

HB18-1394**Update Colorado Disaster Emergency Act**

Comment:

Position: **Support**

Short Title: Update Colorado Disaster Emergency Act

Sponsors: J. Singer | H. McKean / J. Kefalas | J. Cooke

Summary: The bill updates the Colorado disaster emergency act to include provisions related specifically to recovery, mitigation, and resiliency and to establish the roles and responsibilities of state and local agencies at all stages of emergency management. **Section 3** of the bill adds language defining the stages of response and recovery, as well as definitions of emergency, resiliency, and mitigation. **Section 4** allows the governor to convene a disaster policy group to coordinate the response and recovery from disaster emergencies. If

the governor convenes the policy group, the governor is required to appoint a chair and to delegate to the chair the authority to manage cross-departmental and interjurisdictional coordination of recovery efforts.

Sections 5 and 21 repeal and relocate existing language establishing the governor's expert emergency epidemic response committee, update the language to reflect amendments throughout the bill, and add the executive director of the department of local affairs or his or her designee to the committee.

Subject to available grant funding, the bill creates the Colorado resiliency office in the division of local government within the department of local affairs in **sections 17 and 18**. Subject to the availability of grant funding or within existing resources, the office is required to develop a resiliency and community recovery program for the state that must address coordination among state and local agencies and risk and vulnerability reduction. The office is required to consult with other state agencies and stakeholders in developing the program.

Sections 6, 8, 9, 10, 12, 13, and 14 amend existing statutes concerning disaster planning and response at the state and local level to include references to recovery, mitigation, and preparedness. The requirement for a state disaster plan is amended to require a comprehensive emergency management program that addresses preparation, prevention, mitigation, response, and recovery from emergencies and disasters.

Local and interjurisdictional disaster agencies are renamed as emergency management agencies. The emergency management agencies are required to develop a local or interjurisdictional plan that includes provisions for preparation, prevention, mitigation, response, and recovery from emergencies and disasters. Agencies may incorporate by reference existing locally adopted plans, plans approved by the office of emergency management or the federal emergency management agency, and other relevant plans.

Section 15 amends a requirement in existing law that the governor consider steps that could be taken on a continuing basis to prevent and reduce the harmful consequences of disasters and adds language requiring the governor to also consider mitigation and recovery from disasters.

Sections 16, 19, and 20 make conforming amendments.

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

Status:

4/16/2018 Introduced In House - Assigned to Local Government
4/19/2018 House Committee on Local Government Refer Amended

to Appropriations
4/26/2018 House Committee on Appropriations Refer Unamended to House Committee of the Whole
4/26/2018 House Second Reading Special Order - Passed with Amendments - Committee
4/27/2018 House Third Reading Passed - No Amendments
4/27/2018 Introduced In Senate - Assigned to Finance
5/2/2018 Senate Committee on Finance Refer Amended to Appropriations
5/3/2018 Senate Committee on Appropriations Refer Unamended to Senate Committee of the Whole
5/3/2018 Senate Second Reading Special Order - Passed with Amendments - Committee
5/4/2018 Senate Third Reading Passed - No Amendments
5/4/2018 House Considered Senate Amendments - Result was to Laid Over Daily
5/7/2018 House Considered Senate Amendments - Result was to Concur - Repass

Amendments: [Amendments](#)

Bill Version: Pre-Amended

HB18-1400

Increase Fees Stationary Sources Air Pollutants

Comment:

Position: **Monitor**

Short Title: Increase Fees Stationary Sources Air Pollutants

Sponsors: K. Becker | H. McKean / R. Scott | C. Jahn

Summary: Current law sets the fees paid by stationary sources of air pollutants by statute and allows the air quality control commission to set the fees below the cap by rule as needed to comply with TABOR. The bill increases the statutory caps as follows:

Type of Fee	Current Cap	New Cap
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Air pollutant emission notices	\$152.90	\$191.13
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Per-ton fee for regulated pollutants	\$ 22.90	\$ 28.63
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Per-ton fee for hazardous pollutants	\$152.90	\$191.13
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Per-hour permit processing fee	\$ 76.45	\$ 95.56
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The maximum statutory fees automatically increase by the rate of inflation on each January 1 from 2019 to 2028, but the actual fees collected will be set at or below the statutory cap by the commission by rule. The division of administration in the department of public health and environment shall prioritize its use of the

revenues generated by the fee increases to reduce permit processing times.

The division will:

- ★ Engage affected industries to identify and assess measures to improve billing practices, increase accounting transparency, and assess potential efficiency improvements with respect to division activities financed by the fees; and
- ★ Report to the general assembly through 2022 to provide status updates on the stakeholder process.

The bill appropriates \$1,555,293 to the department to implement the act.

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

Status:	4/18/2018 Introduced In House - Assigned to Finance 4/23/2018 House Committee on Finance Refer Amended to Appropriations 4/25/2018 House Committee on Appropriations Refer Amended to House Committee of the Whole 4/26/2018 House Second Reading Special Order - Passed with Amendments - Committee, Floor 4/27/2018 House Third Reading Passed - No Amendments 4/27/2018 Introduced In Senate - Assigned to Finance 5/2/2018 Senate Committee on Finance Refer Unamended to Appropriations 5/3/2018 Senate Committee on Appropriations Refer Amended to Senate Committee of the Whole 5/3/2018 Senate Second Reading Special Order - Passed with Amendments - Committee 5/4/2018 Senate Third Reading Passed - No Amendments 5/4/2018 House Considered Senate Amendments - Result was to Laid Over Daily 5/7/2018 House Considered Senate Amendments - Result was to Concur - Repass
Amendments:	Amendments
Bill Version:	Pre-Amended

HB18-1428**Authorize Utility Community Collaboration Contract****Comment:****Position:** [Monitor](#)

Short Title:	Authorize Utility Community Collaboration Contract
Sponsors:	K. Becker / J. Cooke
Summary:	<p>Section 1 of the bill authorizes the creation of an energy and innovation collaboration agreement between an investor-owned utility and the government of a city, county, town, or city and county served by that utility. The agreement is subject to approval by the public utilities commission, which is directed to ensure that safe and reliable service is maintained and that the utility's costs of complying with the agreement are paid for by the community and not imposed on other customers of the utility.</p> <p>Section 2 increases the allowable size of a community solar garden from 2 megawatts to 5 megawatts.</p> <p>Section 3 appropriates \$67,498 to the public utilities commission from the public utilities commission fixed utilities fund for purposes of implementing the bill.</p> <p><i>(Note: This summary applies to the reengrossed version of this bill as introduced in the second house.)</i></p>
Status:	<p>4/25/2018 Introduced In House - Assigned to Transportation & Energy</p> <p>5/3/2018 House Committee on Transportation & Energy Refer Amended to Finance</p> <p>5/4/2018 House Committee on Finance Refer Amended to Appropriations</p> <p>5/4/2018 House Second Reading Special Order - Passed with Amendments - Committee</p> <p>5/4/2018 House Committee on Appropriations Refer Amended to House Committee of the Whole</p> <p>5/7/2018 House Third Reading Passed with Amendments - Floor</p> <p>5/7/2018 Senate Committee on State, Veterans, & Military Affairs Postpone Indefinitely</p> <p>5/7/2018 Introduced In Senate - Assigned to State, Veterans, & Military Affairs</p>
Amendments:	Amendments
Bill Version:	Pre-Amended

SB18-003**Colorado Energy Office**

Comment:**Position:** **Monitor****Short Title:** Colorado Energy Office**Sponsors:** R. Scott / C. Hansen | J. Becker

Summary:	The Energy Office has negotiated compromise language with Senate sponsors and the measure passed the Senate Committee with bipartisan support. Discussion will now focus on funding solutions. However, we are anticipating additional challenges to making changes to the CEO mission once the bill reaches the House.
Status:	1/10/2018 Introduced In Senate - Assigned to Agriculture, Natural Resources, & Energy 1/18/2018 Senate Committee on Agriculture, Natural Resources, & Energy Refer Amended to Appropriations 2/14/2018 Senate Committee on Appropriations Refer Unamended to Senate Committee of the Whole 2/16/2018 Senate Second Reading Laid Over Daily - No Amendments 2/21/2018 Senate Second Reading Passed with Amendments - Committee, Floor 2/22/2018 Senate Third Reading Passed - No Amendments 2/27/2018 Introduced In House - Assigned to Transportation & Energy 4/11/2018 House Committee on Transportation & Energy Refer Unamended to House Committee of the Whole 4/16/2018 House Second Reading Laid Over Daily - No Amendments 4/18/2018 House Second Reading Passed - No Amendments 4/19/2018 House Third Reading Passed - No Amendments 5/1/2018 Signed by the President of the Senate 5/2/2018 Signed by the Speaker of the House 5/3/2018 Sent to the Governor
Amendments:	Amendments
Bill Version:	Pre-Amended

SB18-009	Allow Electric Utility Customers Install Energy Storage Equipment
Comment:	The bill only applies to IOUs.
Position:	Monitor
Short Title:	Allow Electric Utility Customers Install Energy Storage Equipment
Sponsors:	S. Fenberg K. Priola / F. Winter P. Lawrence
Summary:	The bill declares that consumers of electricity have a right to install, interconnect, and use energy storage systems on their property, and that this will enhance the reliability and efficiency of the electric grid, save money, and reduce the need for additional electric generation facilities.

The bill directs the Colorado public utilities commission to adopt rules governing the installation, interconnection, and use of customer-sited energy storage systems.

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

Status:	1/10/2018 Introduced In Senate - Assigned to Agriculture, Natural Resources, & Energy 1/25/2018 Senate Committee on Agriculture, Natural Resources, & Energy Lay Over Unamended - Amendment(s) Failed 2/1/2018 Senate Committee on Agriculture, Natural Resources, & Energy Refer Amended to Senate Committee of the Whole 2/7/2018 Senate Second Reading Passed with Amendments - Committee, Floor 2/8/2018 Senate Third Reading Passed - No Amendments 2/13/2018 Introduced In House - Assigned to Transportation & Energy 2/21/2018 House Committee on Transportation & Energy Refer Unamended to House Committee of the Whole 2/26/2018 House Second Reading Passed - No Amendments 2/27/2018 House Third Reading Laid Over to 02/28/2018 - No Amendments 2/28/2018 House Third Reading Laid Over to 03/01/2018 - No Amendments 3/1/2018 House Third Reading Laid Over to 03/02/2018 - No Amendments 3/2/2018 House Third Reading Laid Over to 03/05/2018 - No Amendments 3/5/2018 House Third Reading Passed - No Amendments 3/9/2018 Signed by the President of the Senate 3/12/2018 Sent to the Governor 3/12/2018 Signed by the Speaker of the House 3/22/2018 Governor Signed
Amendments:	Amendments
Bill Version:	Signed Act

SB18-047**Repeal Tax Credits Innovative Vehicles**

Comment:**Position:****Monitor****Short Title:**

Repeal Tax Credits Innovative Vehicles

Sponsors:

V. Marble / L. Saine

Summary:

The bill repeals the income tax credits for innovative motor vehicles and innovative trucks for purchase and leases entered into on or after January 1, 2019.

For the 2018-19 state fiscal year and each fiscal year thereafter through the 2020-21 state fiscal year, the bill requires the state controller to credit an amount of tax revenue estimated to be retained by the repeal of the income tax credits to the highway users tax fund.

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

Status:	1/10/2018 Introduced In Senate - Assigned to Finance 2/6/2018 Senate Committee on Finance Refer Unamended to Appropriations 3/13/2018 Senate Committee on Appropriations Refer Amended to Senate Committee of the Whole 3/15/2018 Senate Second Reading Laid Over to 03/20/2018 - No Amendments 3/20/2018 Senate Second Reading Laid Over Daily - No Amendments 3/21/2018 Senate Second Reading Passed with Amendments - Committee 3/22/2018 Senate Third Reading Laid Over Daily - No Amendments 3/23/2018 Senate Third Reading Passed - No Amendments 3/27/2018 Introduced In House - Assigned to Transportation & Energy 4/18/2018 House Committee on Transportation & Energy Postpone Indefinitely
Amendments:	Amendments
Bill Version:	Pre-Amended

SB18-064	Require 100% Renewable Energy By 2035
Comment:	This bill is a messaging bill and CAMU will oppose. The rate setting language pertaining to municipal net metering violates the State Constitution.
Position:	Oppose
Short Title:	Require 100% Renewable Energy By 2035
Sponsors:	M. Jones / M. Foote
Summary:	The bill updates the renewable energy standard to require that all electric utilities, including cooperative electric associations and municipally owned utilities, derive their energy from 100%

renewable sources by 2035. It also eliminates the installation caps on customer DG and infringes upon municipal rate making in the Net Metering language.

Status: 1/12/2018 Introduced In Senate - Assigned to Agriculture, Natural Resources, & Energy
2/1/2018 Senate Committee on Agriculture, Natural Resources, & Energy Postpone Indefinitely

Amendments:

Bill Version: Introduced

SB18-117**Collect Long-term Climate Change Data**

Comment:

Position: **Monitor**

Short Title: Collect Long-term Climate Change Data

Sponsors: K. Donovan / C. Hansen

Summary: The bill requires the department of public health and environment to collect and report on greenhouse gas emissions data.

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

Status: 1/29/2018 Introduced In Senate - Assigned to State, Veterans, & Military Affairs
2/13/2018 Senate Committee on State, Veterans, & Military Affairs Postpone Indefinitely

Amendments:

Bill Version: Introduced

SB18-128**Legislative Approval For State Agency Fee Increase**

Comment:

Position: **Monitor**

Short Title: Legislative Approval For State Agency Fee Increase

Sponsors: B. Gardner / L. Liston

Summary: Beginning September 1, 2018, the bill requires all state agency fee increases to start on July 1 of a given year, with the exception of an emergency fee increase. A state agency shall not increase a fee unless:

- ★ On or before the February 1 prior to the starting date of the increase, the state agency submits a fee increase proposal, which includes specified information, to the joint budget committee;
- ★ A majority of the members on the joint budget committee approve the fee increase as it is described in the fee increase proposal and without alteration; and
- ★ A grant of authority to the state agency for the fee increase is included in authorizing legislation, which is enacted and becomes law.

A state agency may adopt an emergency fee increase that does not meet these conditions, but on or before the next February 1 the state agency is required to submit a fee increase proposal for the emergency fee. If this fee increase proposal is approved by the joint budget committee and included in authorizing legislation, then the state agency may continue to impose the increased fee.

If a grant of authority for the associated emergency fee increase is not included in the next possible authorizing legislation, then the state agency is required to lower the fee to the amount it was prior to the increase and refund the increased amount of the fee to the fee payer. If a refund is impossible, then the state agency is required to immediately reduce the fee from its original amount by an amount equal to the emergency fee increase and keep it at that level until the amount of the lost revenue offsets the additional revenue from the increased fee. Thereafter, the fee may return to its original amount.

If a state agency adopts a fee increase after April 1, 2018, but prior to September 1, 2018, the fee increase is treated like an emergency fee for which the state agency is required to submit a fee increase proposal.

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

Status:

1/29/2018 Introduced In Senate - Assigned to Finance
2/13/2018 Senate Committee on Finance Refer Unamended to Senate Committee of the Whole
2/16/2018 Senate Second Reading Laid Over Daily - No Amendments
2/20/2018 Senate Second Reading Passed - No Amendments
2/21/2018 Senate Third Reading Passed - No Amendments
2/26/2018 Introduced In House - Assigned to State, Veterans, & Military Affairs
3/14/2018 House Committee on State, Veterans, & Military Affairs Postpone Indefinitely

Amendments:

Bill Version: Reengrossed

SB18-167**Enforce Requirements 811 Locate Underground Facilities**

Comment:**Position:****Neutral****Short Title:**

Enforce Requirements 811 Locate Underground Facilities

Sponsors:

R. Scott | K. Donovan / F. Winter | L. Saine

Summary:

Current law requires a person, before conducting an excavation, to contact a nonprofit notification association (comprised of all owners and operators of underground facilities) by dialing '811' to learn the location of underground facilities in the excavation project area. The owners and operators must then accurately mark the location of their facilities. Violations of the excavation damage prevention law are enforced exclusively through civil actions initiated by damaged parties to collect specified civil penalties and damages. In 2016, the United States department of transportation's pipeline and hazardous materials safety administration (PHMSA) conducted an adequacy evaluation of Colorado's enforcement of its excavation damage prevention law and determined that the enforcement is inadequate, which may eventually result in the withholding of federal funds from Colorado.

The bill creates the underground damage prevention safety commission (commission) as an independent agency within the department of labor and employment. The commission has rule-making and enforcement authority regarding specified portions of the excavation damage prevention law and is required to enter into a memorandum of understanding with the notification association to facilitate implementation and administration of the law. The notification association is required to provide administrative support to the commission in performing its duties.

A review committee of the commission initially determines whether a violation of the law has occurred and, if appropriate, recommends remedial action, potentially including a fine. Fines range from \$250 for a single minor violation within the previous 12 months to \$75,000 for a fourth major violation within the previous 12 months. The full commission is bound by the review committee's determination of facts but determines the final agency action regarding alleged violations. Fines are credited to the damage prevention fund, which the commission will use to develop educational programming, including by making grants, that is designed to improve worker and public safety relating to excavation and underground facilities.

Current law allows only an excavator to submit a location request to the notification association. The bill authorizes a licensed

professional engineer designing excavation to submit a location request. The engineer is required to ensure that the engineering plans meet certain standards established by the American Society of Civil Engineers for defining the accuracy of an underground facility location.

Current law creates 2 tiers of membership in the notification association. Tier 2 members are limited members with limited benefits and include certain special districts, local governments, cable television providers, and small telecommunications providers; tier 1 members are full members with full benefits, and tier 1 consists of all other owners and operators. If, after receiving a location request, the notification association determines that a tier 1 member owns or operates the underground facilities, the notification association contacts the tier 1 member to arrange for the marking of the underground facilities. If a tier 2 member owns or operates the underground facilities, the excavator must contact the tier 2 member to arrange for the marking of the underground facilities. Effective January 1, 2021, all underground facility owners and operators are full members of the notification association with full benefits, and excavators will no longer need to contact the owners or operators to arrange for the marking.

All new underground facilities installed on or after January 1, 2020, must be electronically locatable when installed. Home rule local governments and power authorities are not subject to the commission's enforcement authority, but the governing body of a home rule local government or power authority is required to either adopt a similar enforceable damage prevention safety program or waive its exemption and delegate its damage prevention enforcement authority to the commission.

Information regarding the location of underground facilities is exempt from the 'Colorado Open Records Act', pursuant to the existing exemption for specialized details of critical infrastructure.

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

Status:

2/12/2018 Introduced In Senate - Assigned to Transportation
2/22/2018 Senate Committee on Transportation Refer Amended to Finance
3/1/2018 Senate Committee on Finance Refer Amended to Appropriations
4/24/2018 Senate Committee on Appropriations Refer Amended to Senate Committee of the Whole
4/26/2018 Senate Second Reading Passed with Amendments - Committee, Floor
4/27/2018 Senate Third Reading Passed - No Amendments

4/27/2018 Introduced In House - Assigned to Finance
4/30/2018 House Committee on Finance Refer Amended to Appropriations
5/2/2018 House Committee on Appropriations Refer Unamended to House Committee of the Whole
5/2/2018 House Second Reading Special Order - Passed with Amendments - Committee
5/3/2018 House Third Reading Passed - No Amendments
5/3/2018 Senate Considered House Amendments - Result was to Concur - Repass

Amendments: [Amendments](#)

Bill Version: Pre-Amended

SB18-216**Alternative Fuel Vehicles Public Utilities**

Comment:

Position: **Monitor**

Short Title: Alternative Fuel Vehicles Public Utilities

Sponsors: K. Priola | A. Williams

Summary: Currently, resellers of electricity and natural gas may provide charging ports or fueling stations for motor vehicles as unregulated services. The bill authorizes public utilities to provide these services as regulated or unregulated services and allows cost recovery.

The bill allows a utility to apply to build facilities to support alternative fuel vehicles. Standards are set for approval. When a facility is built, the rate and charges for the services:

- ★ May allow a return on any investment made by an electric or natural gas public utility at the utility's weighted average cost of capital at the public utility's most recent rate of return on equity approved by the public utilities commission; and
- ★ Must be recovered from all customers of an electric or natural gas public utility in a manner that is similar to the recovery of distribution system investments.

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

Status: 3/19/2018 Introduced In Senate - Assigned to Transportation
3/27/2018 Senate Committee on Transportation Postpone Indefinitely

Amendments:

Bill Version: Introduced

SB18-226**Prohibit Colorado Involvement Climate Alliance**

Comment:**Position:** **Monitor****Short Title:** Prohibit Colorado Involvement Climate Alliance**Sponsors:** K. Lundberg | J. Cooke / Y. Willett**Summary:** The bill prohibits the governor from involving Colorado in any state-level climate collaboration that attempts to reduce carbon dioxide emissions or to otherwise promote the goals of the Paris Agreement within the United Nations Framework Convention on Climate Change.

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

Status: 4/2/2018 Introduced In Senate - Assigned to Agriculture, Natural Resources, & Energy
4/18/2018 Senate Committee on Agriculture, Natural Resources, & Energy Refer Unamended to Senate Committee of the Whole
4/23/2018 Senate Second Reading Passed - No Amendments
4/24/2018 Senate Third Reading Laid Over Daily - No Amendments
4/25/2018 Senate Third Reading Passed - No Amendments
4/26/2018 Introduced In House - Assigned to Transportation & Energy
5/2/2018 House Committee on Transportation & Energy Postpone Indefinitely

Amendments: [Amendments](#)

Bill Version: Reengrossed

SB18-245**Allow Natural Occurring Radioactive Material Rules**

Comment:**Position:** **Monitor****Short Title:** Allow Natural Occurring Radioactive Material Rules**Sponsors:** J. Cooke / J. Arndt**Summary:** Current law allows the state board of health to adopt rules concerning the disposal of naturally occurring radioactive materials (NORM) only after the federal environmental protection agency (EPA) has adopted rules concerning the disposal of NORM. The EPA has not adopted the rules. The bill repeals this prohibition and requires the

state board to adopt rules, which must also regulate technologically enhanced NORM (TENORM), by December 31, 2020.

Before the rules are adopted, the department of public health and environment is required to:

- ★ Convene a stakeholder group to discuss the development of rules; and
- ★ Prepare a report and a detailed summary of the stakeholder process and provide them to the general assembly by December 31, 2019.

Until the rules become effective, the handling, transportation, beneficial use, and disposal of TENORM is governed by guidance, including specified letters, issued by the department.

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

Status:	4/16/2018 Introduced In Senate - Assigned to Agriculture, Natural Resources, & Energy 4/26/2018 Senate Committee on Agriculture, Natural Resources, & Energy Refer Unamended to Senate Committee of the Whole 5/1/2018 Senate Second Reading Laid Over Daily - No Amendments 5/2/2018 Senate Second Reading Passed with Amendments - Floor 5/3/2018 Senate Third Reading Passed with Amendments - Floor 5/4/2018 Introduced In House - Assigned to Agriculture, Livestock, & Natural Resources 5/7/2018 House Committee on Agriculture, Livestock, & Natural Resources Refer Unamended to House Committee of the Whole 5/7/2018 House Second Reading Special Order - Passed - No Amendments
Amendments:	Amendments
Bill Version:	Revised

SB18-246	Renewable Energy Standard Repeal Senate Bill 13-252
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Comment:	
Position:	Amend
Short Title:	Renewable Energy Standard Repeal Senate Bill 13-252
Sponsors:	J. Cooke R. Scott
Summary:	The bill modifies and repeals selected provisions of recent legislation (S.B. 13-252) in the following areas:

- ★ S.B. 13-252's increase in the renewable portfolio standard for cooperative electric associations serving 100,000 or more meters, which for 2020 had been increased from 10% to 20%, returns to 10%;
- ★ S.B. 13-252's expansion of the definition of 'eligible energy resources' is curtailed by eliminating synthetic gas produced by pyrolysis of municipal waste, but the inclusion of coal mine methane is retained, subject to a determination by the public utilities commission that the coal mine methane is greenhouse gas neutral, and large and preexisting hydroelectric generation facilities are added;
- ★ A multiplier in the formula for calculation of renewable energy credits used to accelerate the construction of new solar generation, which expired in 2015 under S.B. 13-252, is reinstated;
- ★ The maximum permissible retail rate impact of compliance with the standards, which S.B. 13-252 increased from 1% to 2% for cooperative electric associations, returns to 1%;
- ★ S.B. 13-252's additional carve-outs for distributed generation are eliminated; and
- ★ Reporting requirements and portfolio standards for cooperative electric associations that sell electricity wholesale (qualifying wholesale utilities) are eliminated.

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

Status: 4/16/2018 Introduced In Senate - Assigned to State, Veterans, & Military Affairs
4/25/2018 Senate Committee on State, Veterans, & Military Affairs Postpone Indefinitely

Amendments:

Bill Version: Introduced

SJM18-002 **Eliminate Energy Subsidies**

Comment:

Position: **Monitor**

Short Title: Eliminate Energy Subsidies

Sponsors: M. Jones / M. Foote

Summary: *** No bill summary available ***

Status: 1/12/2018 Introduced In Senate - Assigned to Agriculture, Natural Resources, & Energy

1/25/2018 Senate Committee on Agriculture, Natural Resources, & Energy Postpone Indefinitely

Amendments:

Bill Version: Introduced

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 71st Colorado General Assembly convened on January 10, 2018 and will run through May 9, 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 a bill is introduced, they cover that bill at the next committee meeting 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, they then advocate on behalf of their members to policy makers. Of the state bills that CWC takes a position, their success rate in either killing bills that they oppose or passing bills that they support is eight-five percent.

While the state legislature is in session, each month in the LUC packet there will be a Bill Summary Sheet (See Attachment A) which gives a brief summary of each bill being tracked by CWC and a Bill Status Sheet (See attachment B) that will show how far along each bill is that CWC has taken a position to support, oppose or monitor. For additional information on a particular bill, please click on the hyperlink in the left most column of the Bill Status Report. Once a bill is killed in a committee or lost in a floor vote, it will be removed from this list.

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 closely 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 such as infrastructure funding, water transfer rule legislation, endangered species, and the water rights protection act. They are also interested in the following Colorado priorities: U.S. Bureau of Reclamation Colorado River Basin Study, Colorado River Drought Contingency Planning, and National Resource Conservation Service (NRCS) Funding for Manual Snow Course Measurement. The Colorado Municipal League provides a voice to Colorado's cities and towns.

One of the Senate Bills that were discussed at length during the Northern Water Spring Users Conference this year was Senate Bill HB18-1008 – Mussel-free Colorado Act. The Colorado Water Congress supports this bill and Northern Water is concerned with the many reservoirs it utilizes in the C-BT system that if mussels are not kept out of the reservoirs it could create maintenance and operational problems for

Northern Water and the Bureau of Reclamation. One of the functions of the Aquatic Nuisance Species Program is to inspect boats for aquatic nuisance species before they are allowed into the reservoirs and this bill has to do with how this program is funded.

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:

- ④ Attachment A: CWC, State Affairs Committee, Water Bill Status Sheet
- ④ Attachment B: Colorado Water Bill Summary

Colorado Water Congress 2018 Bill Status Sheet

Bill No.	Short Title	CWC Position	First House						Second House						Governor
			Introduced	1st Committee	2nd Committee	2nd Reading	3rd Reading	Introduced	1st Committee	2nd Committee	2nd Reading	3rd Reading	First House Repass	Conference Committee	
HB18-1008	Mussel-Free Colorado Act	16-Jan	10-Jan	22-Jan	31-Jan	26-Feb	27-Feb	5-Mar	8-Mar F	27-Mar Ap	2-Apr	3-Apr	5-Apr		23-Apr
HB18-1053	Reclaimed Water Use for Marijuana Cultivation	16-Jan	10-Jan	28-Jan Ag	23-Apr Ap	24-Apr	25-Apr	25-Apr	2-May F						
HB18-1069	Reclaimed Water Use for Toilet Flushing	22-Jan	10-Jan	29-Jan	16-Mar	20-Mar	21-Mar	26-Mar	28-Mar Ag	10-Apr Ap	16-Apr	17-Apr	26-Apr	26-Apr	26-Apr
HB18-1073	Water District Ability Contract Water Assets	5-Feb	16-Jan	29-Jan	7-Feb	12-Feb	13-Feb	21-Feb	1-Mar Ag		6-Mar	8-Mar	14-Mar		22-Mar
HB18-1093	Reclaimed Water Use for Edible Crops	5-Feb	18-Jan	29-Jan	23-Feb Ap	27-Feb	5-Mar	12-Mar	22-Mar Ap	3-Apr Ap	4-Apr	5-Apr			28-Apr
HB18-1147	Sunset Process Weather Modification	5-Mar	31-Jan	22-Feb HIE	16-Mar	20-Mar	21-Mar	26-Mar	28-Mar Ag	10-Apr Ap	11-Apr	12-Apr	18-Apr	19-Apr	26-Apr
HB18-1151	Colorado Water Conservation Board Approve Deficit Irrigation Pilot Projects	5-Mar	31-Jan	26-Feb Ag	1-Mar	5-Mar	6-Mar	12-Mar	SVMA						
HB18-1199	Aquifer Storage-and-recovery Plans	26-Feb	5-Feb	26-Feb Ag	1-Mar	5-Mar	6-Mar	12-Mar	22-Mar Ag	28-Mar	28-Mar	29-Mar			9-Apr
HB18-1201	Severance Tax Voter-approved Revenue Change	26-Feb	5-Feb	9-Apr F											
HB18-1215	Safe Disposal Naturally Occur Radioactive Material	16-Apr	5-Feb	22-Mar HIE	18-Apr F	23-Apr Ap	25-Apr	25-Apr	3-May SVMA						
HB18-1278	Apprentice Utilization in Public Projects	19-Mar	7-Mar	20-Mar BLEW		26-Mar	2-Apr	2-Apr	16-Apr SVMA						

5/8/2018

Bill No.	Short Title	CWC Position	First House						Second House						Conference Committee	Governor
			Introduced	1st Committee	2nd Committee	2nd Reading	3rd Reading	Introduced	1st Committee	2nd Committee	2nd Reading	3rd Reading	First House Repass	Conference Committee		
HB18-1301	Protect Water Quality Adverse Mining Impacts	2-Apr	19-Mar	2-Apr Ag	4-Apr F; Ap	13-Apr	16-Apr	16-Apr	25-Apr SVMA							
HB18-1338	Reduced Revenue Severance Tax Operational Fund Transfers	2-Apr	26-Mar	27-Mar Ap		28-Mar	29-Mar	2-Apr	3-Apr Ap		4-Apr	5-Apr	26-Apr	26-Apr	4-May	
HB18-1383	Bonding Requirements for Public Projects Using Private Financing		12-Apr	24-Apr BLEW	26-Apr	26-Apr	27-Apr	27-Apr	2-May F							
SB18-019	Expanded Duration for CWRPDA Revolving Loans	16-Jan	10-Jan	18-Jan Ag		23-Jan	24-Jan	26-Jan	12-Feb	15-Feb		16-Feb			1-Mar	
SB18-038	Reclaimed Water Use on Industrial Hemp	16-Jan	10-Jan	18-Jan Ag	11-Apr Ap	11-Apr	12-Apr	17-Apr	23-Apr Ag	2-May Ap	2-May	3-May	3-May			
SB18-041	Authorize Water Use Incidental Sand & Gravel Mines	16-Jan	10-Jan	18-Jan Ag		23-Jan	24-Jan	26-Jan	12-Feb	15-Feb		16-Feb			1-Mar	
SB18-116	Capitol Identification Card	19-Mar	29-Jan	13-Feb F	6-Mar Ap	13-Mar	14-Mar	15-Mar	SVMA							
SB18-134	Public Utilities Commission Deregulate Nonprofit Water Utilities	20-Feb	29-Jan	8-Feb Ag	13-Feb	13-Feb	14-Feb	20-Feb	12-Mar Ag		15-Mar	16-Mar			2-Apr	
SB18-143	Parks and Wildlife Measures to Increase Revenue	26-Feb	29-Jan	13-Feb	6-Mar Ap	8-Mar	12-Mar	15-Mar	26-Mar Ag	2-Apr F; Ap	18-Apr	19-Apr	25-Apr	26-Apr	4-May	
SB18-167	Enforce Requirements 811 Locate Underground Facilities	16-Apr	12-Feb	22-Feb TE; 1-Mar F	24-Apr Ap	26-Apr	27-Apr	27-Apr	30-Apr F	2-May Ap	2-May	3-May	3-May			
SB18-170	Reservoir Releases for Fish and Wildlife Mitigation	26-Feb	21-Feb	28-Feb Ag		5-Mar	8-Mar	13-Mar	19-Mar Ag	22-Mar	26-Mar	29-Mar	6-Apr		12-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			
SB18-176	Board Meeting Dates Southwestern Water Conservation District	5-Mar	21-Feb	28-Feb Ag		5-Mar	8-Mar	12-Mar	19-Mar Ag		26-Mar	2-Apr	10-Apr		12-Apr
SB18-218	Colorado Water Conservation Board Construction Fund Project	2-Apr	26-Mar	28-Mar Ag	10-Apr Ap	11-Apr	12-Apr	17-Apr	23-Apr Ag	2-May Ap	2-May	3-May			
SB18-245	Allow Natural Occurring Radioactive Material Rules	7-May	16-Apr	26-Apr Ag		2-May	3-May	4-May	4-May Ag		7-May	8-May			
SB18-275	Evaluate Prerequisites Seaplanes Operation in Colorado	7-May	27-Apr	1-May SVMA		3-May	4-May	4-May	7-May						
SCR18-004	Congressional Redistricting	24-Apr	18-Apr	23-Apr SVMA	Leg. Council/ Ap	27-Apr	30-Apr	3-May SVMA	4-May Ap		4-May	7-May			
SCR18-005	Legislative Redistricting	24-Apr	18-Apr	23-Apr SVMA	Leg. Council; Ap	27-Apr	30-Apr	3-May SVMA	4-May Ap		4-May	7-May			
SJM18-004	Memorialize Former Congressman Ray Kogovsek	12-Feb	5-Feb				6-Feb	6-Feb				9-Feb			12-Feb
SJR18-003	Water Projects Eligibility Lists	16-Jan	12-Jan				17-Jan	26-Jan				2-Feb			13-Feb

BILL STATUS			ABBREVIATIONS										
Bill scheduled for action at next SA meeting (yellow)			Ag = Agriculture and Natural Resources 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										
CWC POSITION			LG = Local Governement 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													

Attachment B

Colorado Water Congress

HB18-1008	Mussel-free Colorado Act
Position:	Support
Calendar	NOT ON CALENDAR
Notification:	
News:	
Audio, Floors and Committees:	
Sponsors:	D. Esgar J. Arndt / K. Donovan D. Coram
Status:	<p>1/10/2018 Introduced In House - Assigned to Agriculture, Livestock, & Natural Resources</p> <p>1/22/2018 House Committee on Agriculture, Livestock, & Natural Resources Refer Amended to Finance</p> <p>1/31/2018 House Committee on Finance Refer Unamended to Appropriations</p> <p>2/23/2018 House Committee on Appropriations Refer Unamended to House Committee of the Whole</p> <p>2/26/2018 House Second Reading Special Order - Passed with Amendments - Committee</p> <p>2/27/2018 House Third Reading Passed - No Amendments</p> <p>3/5/2018 Introduced In Senate - Assigned to Finance</p> <p>3/8/2018 Senate Committee on Finance Refer Amended to Appropriations</p> <p>3/27/2018 Senate Committee on Appropriations Refer Unamended to Senate Committee of the Whole</p> <p>3/29/2018 Senate Second Reading Laid Over Daily - No Amendments</p> <p>4/2/2018 Senate Second Reading Passed with Amendments - Committee</p> <p>4/3/2018 Senate Third Reading Passed - No Amendments</p> <p>4/5/2018 House Considered Senate Amendments - Result was to Concur - Repass</p> <p>4/13/2018 Signed by the Speaker of the House</p> <p>4/16/2018 Sent to the Governor</p> <p>4/16/2018 Signed by the President of the Senate</p> <p>4/23/2018 Governor Signed</p>
Fiscal Notes:	Fiscal Note
Date Introduced:	2018-01-10
Amendments:	Amendments
Bill Version:	Signed Act

HB18-1053	Reclaimed Water Use For Marijuana Cultivation
Position:	Support
	NOT ON CALENDAR

**Calendar
Notification:**

News:

**Audio, Floors and
Committees:**

Sponsors: J. Arndt | C. Hansen / K. Donovan

Status:

1/10/2018 Introduced In House - Assigned to Agriculture, Livestock, & Natural Resources
 1/22/2018 House Committee on Agriculture, Livestock, & Natural Resources
 Lay Over Unamended - Amendment(s) Failed
 1/29/2018 House Committee on Agriculture, Livestock, & Natural Resources
 Refer Amended to Appropriations
 4/23/2018 House Committee on Appropriations Refer Unamended to House Committee of the Whole
 4/24/2018 House Second Reading Special Order - Passed with Amendments - Committee, Floor
 4/25/2018 House Third Reading Passed - No Amendments
 4/25/2018 Introduced In Senate - Assigned to Finance
 5/2/2018 Senate Committee on Finance Postpone Indefinitely

Fiscal Notes: [Fiscal Note](#)

Date Introduced: 2018-01-10

Amendments: [Amendments](#)

Bill Version: Pre-Amended

HB18-1069

Reclaimed Water Use For Toilet Flushing

Position: **Support**

**Calendar
Notification:** NOT ON CALENDAR

News:

**Audio, Floors and
Committees:**

Sponsors: J. Arndt | D. Thurlow / D. Coram

Status:

1/10/2018 Introduced In House - Assigned to Agriculture, Livestock, & Natural Resources
 1/29/2018 House Committee on Agriculture, Livestock, & Natural Resources
 Refer Amended to Appropriations
 3/16/2018 House Committee on Appropriations Refer Amended to House Committee of the Whole
 3/20/2018 House Second Reading Passed with Amendments - Committee
 3/21/2018 House Third Reading Passed - No Amendments
 3/26/2018 Introduced In Senate - Assigned to Agriculture, Natural Resources, & Energy
 3/28/2018 Senate Committee on Agriculture, Natural Resources, & Energy
 Refer Unamended to Appropriations
 4/10/2018 Senate Committee on Appropriations Refer Amended to Senate

Committee of the Whole
 4/10/2018 Senate Committee on Appropriations Refer Unamended to Senate
 Committee of the Whole
 4/13/2018 Senate Second Reading Laid Over Daily - No Amendments
 4/16/2018 Senate Second Reading Passed - No Amendments
 4/17/2018 Senate Third Reading Passed - No Amendments
 4/26/2018 Sent to the Governor
 4/26/2018 Signed by the President of the Senate
 4/26/2018 Signed by the Speaker of the House
 4/30/2018 Governor Signed

Fiscal Notes: [Fiscal Note](#)

Date Introduced: 2018-01-10

Amendments: [Amendments](#)

Bill Version: Signed Act

HB18-1073

Water District Ability Contract Water Assets

Position: **Support**

Calendar NOT ON CALENDAR

Notification:

News:

Audio, Floors and Committees:

Sponsors: M. Gray / B. Gardner

Status: 1/16/2018 Introduced In House - Assigned to Agriculture, Livestock, & Natural Resources + Finance

1/29/2018 House Committee on Agriculture, Livestock, & Natural Resources Refer Unamended to Finance

2/7/2018 House Committee on Finance Refer Unamended to House Committee of the Whole

2/12/2018 House Second Reading Passed with Amendments - Floor

2/13/2018 House Third Reading Passed - No Amendments

2/21/2018 Introduced In Senate - Assigned to Agriculture, Natural Resources, & Energy

3/1/2018 Senate Committee on Agriculture, Natural Resources, & Energy Refer Unamended - Consent Calendar to Senate Committee of the Whole

3/6/2018 Senate Second Reading Passed - No Amendments

3/7/2018 Senate Third Reading Laid Over Daily - No Amendments

3/8/2018 Senate Third Reading Passed - No Amendments

3/14/2018 Signed by the Speaker of the House

3/15/2018 Sent to the Governor

3/15/2018 Signed by the President of the Senate

3/22/2018 Governor Signed

Fiscal Notes: [Fiscal Note](#)

Date Introduced: 2018-01-16

Amendments: [Amendments](#)

Bill Version: Signed Act

HB18-1093**Reclaimed Water Use For Edible Crops**

Position: **Support**

Calendar Notification: NOT ON CALENDAR

News:

Audio, Floors and Committees:

Sponsors: J. Arndt / D. Coram

Status: 1/18/2018 Introduced In House - Assigned to Agriculture, Livestock, & Natural Resources

1/29/2018 House Committee on Agriculture, Livestock, & Natural Resources Refer Amended to Appropriations

2/23/2018 House Committee on Appropriations Refer Amended to House Committee of the Whole

2/27/2018 House Second Reading Laid Over to 02/28/2018 - No Amendments

2/28/2018 House Second Reading Passed with Amendments - Committee

3/1/2018 House Third Reading Laid Over to 03/02/2018 - No Amendments

3/2/2018 House Third Reading Laid Over to 03/05/2018 - No Amendments

3/5/2018 House Third Reading Passed - No Amendments

3/12/2018 Introduced In Senate - Assigned to Agriculture, Natural Resources, & Energy

3/22/2018 Senate Committee on Agriculture, Natural Resources, & Energy Refer Unamended to Appropriations

4/3/2018 Senate Committee on Appropriations Refer Unamended - Consent Calendar to Senate Committee of the Whole

4/4/2018 Senate Second Reading Special Order - Passed - No Amendments

4/5/2018 Senate Third Reading Passed - No Amendments

4/16/2018 Signed by the President of the Senate

4/16/2018 Signed by the Speaker of the House

4/17/2018 Sent to the Governor

4/28/2018 Governor Became Law

Fiscal Notes: [Fiscal Note](#)

Date Introduced: 2018-01-18

Amendments: [Amendments](#)

Bill Version: Pre-Amended

HB18-1147**Sunset Process Weather Modification**

Position: **Support**

Calendar Notification: NOT ON CALENDAR

News:

Audio, Floors and Committees:

Sponsors:	J. Ginal K. Ransom / D. Coram
Status:	1/31/2018 Introduced In House - Assigned to Health, Insurance, & Environment 2/22/2018 House Committee on Health, Insurance, & Environment Refer Unamended to Appropriations 3/16/2018 House Committee on Appropriations Refer Unamended to House Committee of the Whole 3/20/2018 House Second Reading Passed - No Amendments 3/21/2018 House Third Reading Passed - No Amendments 3/26/2018 Introduced In Senate - Assigned to Agriculture, Natural Resources, & Energy 3/28/2018 Senate Committee on Agriculture, Natural Resources, & Energy Refer Unamended to Appropriations 4/10/2018 Senate Committee on Appropriations Refer Unamended - Consent Calendar to Senate Committee of the Whole 4/11/2018 Senate Second Reading Special Order - Passed - No Amendments 4/12/2018 Senate Third Reading Passed - No Amendments 4/18/2018 Signed by the Speaker of the House 4/19/2018 Sent to the Governor 4/19/2018 Signed by the President of the Senate 4/26/2018 Governor Signed
Fiscal Notes:	Fiscal Note
Date Introduced:	2018-01-31
Amendments:	
Bill Version:	Signed Act

HB18-1151
Colorado Water Conservation Board Approve Deficit Irrigation Pilot Projects

Position:	Neutral
Calendar Notification:	NOT ON CALENDAR
News:	
Audio, Floors and Committees:	
Sponsors:	J. Arndt M. Catlin / L. Crowder
Status:	1/31/2018 Introduced In House - Assigned to Agriculture, Livestock, & Natural Resources 2/26/2018 House Committee on Agriculture, Livestock, & Natural Resources Refer Amended to House Committee of the Whole 3/1/2018 House Second Reading Laid Over to 03/02/2018 - No Amendments 3/2/2018 House Second Reading Laid Over to 03/05/2018 - No Amendments 3/5/2018 House Second Reading Passed with Amendments - Committee 3/6/2018 House Third Reading Passed - No Amendments 3/12/2018 Introduced In Senate - Assigned to State, Veterans, & Military

Affairs	
3/20/2018 Senate Committee on State, Veterans, & Military Affairs Postpone Indefinitely	
Fiscal Notes:	Fiscal Note
Date Introduced:	2018-01-31
Amendments:	Amendments
Bill Version:	Pre-Amended

HB18-1199	Aquifer Storage-and-recovery Plans
Position:	Support
Calendar	NOT ON CALENDAR
Notification:	
News:	
Audio, Floors and Committees:	
Sponsors:	M. Catlin B. McLachlan / D. Coram
Status:	2/5/2018 Introduced In House - Assigned to Agriculture, Livestock, & Natural Resources 2/26/2018 House Committee on Agriculture, Livestock, & Natural Resources Refer Amended to House Committee of the Whole 3/1/2018 House Second Reading Laid Over to 03/02/2018 - No Amendments 3/2/2018 House Second Reading Laid Over to 03/05/2018 - No Amendments 3/5/2018 House Second Reading Passed with Amendments - Committee 3/6/2018 House Third Reading Passed - No Amendments 3/12/2018 Introduced In Senate - Assigned to Agriculture, Natural Resources, & Energy 3/22/2018 Senate Committee on Agriculture, Natural Resources, & Energy Refer Unamended to Senate Committee of the Whole 3/27/2018 Senate Second Reading Laid Over Daily - No Amendments 3/28/2018 Senate Second Reading Passed - No Amendments 3/29/2018 Senate Third Reading Passed - No Amendments 4/4/2018 Sent to the Governor 4/4/2018 Signed by the President of the Senate 4/4/2018 Signed by the Speaker of the House 4/9/2018 Governor Signed
Fiscal Notes:	Fiscal Note
Date Introduced:	2018-02-05
Amendments:	Amendments
Bill Version:	Signed Act

HB18-1201	Severance Tax Voter-approved Revenue Change
Position:	Monitor

Calendar Notification:	NOT ON CALENDAR
News:	
Audio, Floors and Committees:	
Sponsors:	D. Thurlow / D. Coram
Status:	2/5/2018 Introduced In House - Assigned to Finance + Appropriations 4/9/2018 House Committee on Finance Postpone Indefinitely
Fiscal Notes:	Fiscal Note
Date Introduced:	2018-02-05
Amendments:	
Bill Version:	Introduced

HB18-1215	Safe Disposal Naturally Occur Radioactive Material
Position:	Monitor
Calendar Notification:	NOT ON CALENDAR
News:	
Audio, Floors and Committees:	
Sponsors:	J. Arndt / M. Jones
Status:	2/5/2018 Introduced In House - Assigned to Health, Insurance, & Environment 3/22/2018 House Committee on Health, Insurance, & Environment Refer Amended to Finance 4/18/2018 House Committee on Finance Refer Unamended to Appropriations 4/23/2018 House Committee on Appropriations Refer Amended to House Committee of the Whole 4/24/2018 House Second Reading Special Order - Passed with Amendments - Committee 4/25/2018 House Third Reading Passed - No Amendments 4/25/2018 Introduced In Senate - Assigned to State, Veterans, & Military Affairs 5/3/2018 Senate Committee on State, Veterans, & Military Affairs Postpone Indefinitely
Fiscal Notes:	Fiscal Note
Date Introduced:	2018-02-05
Amendments:	Amendments
Bill Version:	Pre-Amended

HB18-1278	Apprentice Utilization In Public Projects
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Position:	Monitor
Calendar	NOT ON CALENDAR
Notification:	
News:	Benavidez Bill Boosting Construction Jobs Passes House
Audio, Floors and Committees:	
Sponsors:	A. Benavidez / D. Moreno
Status:	<p>3/7/2018 Introduced In House - Assigned to Business Affairs and Labor</p> <p>3/20/2018 House Committee on Business Affairs and Labor Refer Amended to House Committee of the Whole</p> <p>3/23/2018 House Second Reading Laid Over to 03/26/2018 - No Amendments</p> <p>3/26/2018 House Second Reading Passed with Amendments - Committee</p> <p>3/27/2018 House Third Reading Laid Over to 03/28/2018 - No Amendments</p> <p>3/28/2018 House Third Reading Laid Over to 03/29/2018 - No Amendments</p> <p>3/29/2018 House Third Reading Laid Over to 04/02/2018 - No Amendments</p> <p>4/2/2018 House Third Reading Passed with Amendments - Floor</p> <p>4/2/2018 Introduced In Senate - Assigned to State, Veterans, & Military Affairs</p> <p>4/16/2018 Senate Committee on State, Veterans, & Military Affairs Postpone Indefinitely</p>
Fiscal Notes:	Fiscal Note
Date Introduced:	2018-03-07
Amendments:	Amendments
Bill Version:	Pre-Amended

HB18-1301	Protect Water Quality Adverse Mining Impacts
Position:	Monitor
Calendar	NOT ON CALENDAR
Notification:	
News:	Making Clean Water a Higher Priority Legislation seeks to prevent environmental harm from new mining in Colorado
Audio, Floors and Committees:	
Sponsors:	D. Roberts B. McLachlan / S. Fenberg K. Donovan
Status:	<p>3/19/2018 Introduced In House - Assigned to Agriculture, Livestock, & Natural Resources</p> <p>4/2/2018 House Committee on Agriculture, Livestock, & Natural Resources Refer Unamended to Finance</p> <p>4/4/2018 House Committee on Finance Refer Unamended to Appropriations</p> <p>4/11/2018 House Committee on Appropriations Refer Unamended to House Committee of the Whole</p> <p>4/12/2018 House Second Reading Special Order - Laid Over Daily - No Amendments</p> <p>4/13/2018 House Second Reading Special Order - Passed - No Amendments</p> <p>4/16/2018 House Third Reading Passed - No Amendments</p> <p>4/16/2018 Introduced In Senate - Assigned to State, Veterans, & Military</p>

Affairs	
4/25/2018 Senate Committee on State, Veterans, & Military Affairs Postpone Indefinitely	
Fiscal Notes:	Fiscal Note
Date Introduced:	2018-03-19
Amendments:	
Bill Version:	Reengrossed

HB18-1338	Reduced Revenue Severance Tax Operational Fund Transfers
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Position:	Support
Calendar	NOT ON CALENDAR
Notification:	
News:	Kumbaya on the 'Long Bill'
Audio, Floors and Committees:	
Sponsors:	B. Rankin / K. Lambert
Status:	<p>3/26/2018 Introduced In House - Assigned to Appropriations</p> <p>3/27/2018 House Committee on Appropriations Refer Unamended to House Committee of the Whole</p> <p>3/28/2018 House Second Reading Special Order - Passed with Amendments - Floor</p> <p>3/29/2018 House Third Reading Passed - No Amendments</p> <p>4/2/2018 Introduced In Senate - Assigned to Appropriations</p> <p>4/3/2018 Senate Committee on Appropriations Refer Amended to Senate Committee of the Whole</p> <p>4/4/2018 Senate Second Reading Special Order - Passed with Amendments - Committee</p> <p>4/5/2018 Senate Third Reading Passed - No Amendments</p> <p>4/9/2018 House Considered Senate Amendments - Result was to Laid Over to 04/09/2018</p> <p>4/9/2018 House Considered Senate Amendments - Result was to Not Concur - Request Conference Committee</p> <p>4/12/2018 House Consideration of First Conference Committee Report result was to Recede - CCR not produced</p> <p>4/12/2018 Senate Consideration of First Conference Committee Report result was to Adhere - CCR not produced</p> <p>4/26/2018 Sent to the Governor</p> <p>4/26/2018 Signed by the President of the Senate</p> <p>4/26/2018 Signed by the Speaker of the House</p> <p>5/4/2018 Governor Signed</p>
Fiscal Notes:	Fiscal Note
Date Introduced:	2018-03-26
Amendments:	Amendments
Bill Version:	Signed Act

HB18-1383 **Bonding Requirements For Public Projects Using Private Financing**

Position:	Oppose
Calendar	NOT ON CALENDAR
Notification:	
News:	
Audio, Floors and Committees:	
Sponsors:	F. Winter / K. Priola
Status:	4/12/2018 Introduced In House - Assigned to Business Affairs and Labor 4/24/2018 House Committee on Business Affairs and Labor Refer Amended to House Committee of the Whole 4/26/2018 House Second Reading Special Order - Passed with Amendments - Committee 4/27/2018 House Third Reading Passed - No Amendments 4/27/2018 Introduced In Senate - Assigned to Finance 5/2/2018 Senate Committee on Finance Postpone Indefinitely
Fiscal Notes:	Fiscal Note
Date Introduced:	2018-04-13
Amendments:	Amendments
Bill Version:	Pre-Amended

SB18-019 **Expanded Duration For Colorado Water Resources And Power Development Authority Revolving Loans**

Position:	Support
Calendar	NOT ON CALENDAR
Notification:	
News:	
Audio, Floors and Committees:	
Sponsors:	K. Donovan D. Coram / C. Hansen J. Arndt
Status:	1/10/2018 Introduced In Senate - Assigned to Agriculture, Natural Resources, & Energy 1/18/2018 Senate Committee on Agriculture, Natural Resources, & Energy Refer Unamended to Senate Committee of the Whole 1/23/2018 Senate Second Reading Passed - No Amendments 1/24/2018 Senate Third Reading Passed - No Amendments 1/26/2018 Introduced In House - Assigned to Agriculture, Livestock, & Natural Resources 2/12/2018 House Committee on Agriculture, Livestock, & Natural Resources Refer Unamended to House Committee of the Whole 2/15/2018 House Second Reading Passed - No Amendments

2/16/2018 House Third Reading Passed - No Amendments
 2/22/2018 Signed by the President of the Senate
 2/23/2018 Sent to the Governor
 2/23/2018 Signed by the Speaker of the House
 3/1/2018 Governor Signed

Fiscal Notes: [Fiscal Note](#)

Date Introduced: 2018-01-10

Amendments:

Bill Version: Signed Act

SB18-038

Reclaimed Water Use On Industrial Hemp

Position: [Support](#)

Calendar Notification: NOT ON CALENDAR

News:

Audio, Floors and Committees:

Sponsors: K. Donovan | D. Coram / D. Esgar | Y. Willett

Status: 1/10/2018 Introduced In Senate - Assigned to Agriculture, Natural Resources, & Energy

1/18/2018 Senate Committee on Agriculture, Natural Resources, & Energy
Refer Amended to Appropriations

4/11/2018 Senate Second Reading Special Order - Passed with Amendments - Committee

4/11/2018 Senate Committee on Appropriations Refer Unamended - Consent Calendar to Senate Committee of the Whole

4/12/2018 Senate Third Reading Passed - No Amendments

4/17/2018 Introduced In House - Assigned to Agriculture, Livestock, & Natural Resources

4/23/2018 House Committee on Agriculture, Livestock, & Natural Resources
Refer Amended to Appropriations

5/2/2018 House Committee on Appropriations Refer Amended to House Committee of the Whole

5/2/2018 House Second Reading Special Order - Passed with Amendments - Committee

5/3/2018 House Third Reading Passed - No Amendments

5/3/2018 Senate Considered House Amendments - Result was to Concur - Repass

Fiscal Notes: [Fiscal Note](#)

Date Introduced: 2018-01-10

Amendments: [Amendments](#)

Bill Version: Pre-Amended

SB18-041**Authorize Water Use Incidental Sand And Gravel Mines**

Position:	Support
Calendar	NOT ON CALENDAR
Notification:	
News:	
Audio, Floors and Committees:	
Sponsors:	D. Coram R. Baumgardner / L. Saine J. Arndt
Status:	<p>1/10/2018 Introduced In Senate - Assigned to Agriculture, Natural Resources, & Energy</p> <p>1/18/2018 Senate Committee on Agriculture, Natural Resources, & Energy Refer Amended - Consent Calendar to Senate Committee of the Whole</p> <p>1/23/2018 Senate Second Reading Passed with Amendments - Committee</p> <p>1/24/2018 Senate Third Reading Passed - No Amendments</p> <p>1/26/2018 Introduced In House - Assigned to Agriculture, Livestock, & Natural Resources</p> <p>2/12/2018 House Committee on Agriculture, Livestock, & Natural Resources Refer Unamended to House Committee of the Whole</p> <p>2/15/2018 House Second Reading Passed with Amendments - Committee</p> <p>2/15/2018 House Second Reading Passed - No Amendments</p> <p>2/16/2018 House Third Reading Passed - No Amendments</p> <p>2/22/2018 Signed by the President of the Senate</p> <p>2/23/2018 Sent to the Governor</p> <p>2/23/2018 Signed by the Speaker of the House</p> <p>3/1/2018 Governor Signed</p>
Fiscal Notes:	Fiscal Note
Date Introduced:	2018-01-10
Amendments:	Amendments
Bill Version:	Signed Act

SB18-116**Capitol Identification Card**

Position:	Monitor
Calendar	NOT ON CALENDAR
Notification:	
News:	
Audio, Floors and Committees:	
Sponsors:	J. Cooke / D. Williams K. Van Winkle
Status:	<p>1/29/2018 Introduced In Senate - Assigned to Finance</p> <p>2/13/2018 Senate Committee on Finance Refer Amended to Appropriations</p> <p>3/6/2018 Senate Committee on Appropriations Refer Amended to Senate Committee of the Whole</p> <p>3/8/2018 Senate Second Reading Laid Over to 03/12/2018 - No Amendments</p> <p>3/12/2018 Senate Second Reading Laid Over Daily - No Amendments</p>

3/13/2018 Senate Second Reading Passed with Amendments - Committee, Floor
 3/14/2018 Senate Third Reading Passed - No Amendments
 3/15/2018 Introduced In House - Assigned to State, Veterans, & Military Affairs
 4/4/2018 House Committee on State, Veterans, & Military Affairs Postpone Indefinitely

Fiscal Notes: [Fiscal Note](#)

Date Introduced: 2018-01-29

Amendments: [Amendments](#)

Bill Version: Pre-Amended

SB18-134 **Public Utilities Commission Deregulate Nonprofit Water Utilities**

Position: [Monitor](#)

Calendar Notification: NOT ON CALENDAR

News:

Audio, Floors and Committees:

Sponsors: J. Cooke / J. Arndt

Status: 1/29/2018 Introduced In Senate - Assigned to Agriculture, Natural Resources, & Energy

2/8/2018 Senate Committee on Agriculture, Natural Resources, & Energy Refer Amended - Consent Calendar to Senate Committee of the Whole

2/13/2018 Senate Second Reading Passed with Amendments - Committee

2/14/2018 Senate Third Reading Passed - No Amendments

2/20/2018 Introduced In House - Assigned to Agriculture, Livestock, & Natural Resources

3/12/2018 House Committee on Agriculture, Livestock, & Natural Resources Refer Unamended to House Committee of the Whole

3/15/2018 House Second Reading Passed - No Amendments

3/16/2018 House Third Reading Passed - No Amendments

3/21/2018 Signed by the President of the Senate

3/22/2018 Sent to the Governor

3/22/2018 Signed by the Speaker of the House

4/2/2018 Governor Signed

Fiscal Notes: [Fiscal Note](#)

Date Introduced: 2018-01-29

Amendments: [Amendments](#)

Bill Version: Signed Act

SB18-143 **Parks And Wildlife Measures To Increase Revenue**

Position:	Support
Calendar	NOT ON CALENDAR
Notification:	
News:	Next Step for Relief for CO Parks & Wildlife
Audio, Floors and Committees:	
Sponsors:	S. Fenberg D. Coram / J. Arndt J. Wilson
Status:	<p>1/29/2018 Introduced In Senate - Assigned to Finance</p> <p>2/13/2018 Senate Committee on Finance Refer Amended to Appropriations</p> <p>3/6/2018 Senate Committee on Appropriations Refer Unamended to Senate Committee of the Whole</p> <p>3/8/2018 Senate Second Reading Passed with Amendments - Committee</p> <p>3/9/2018 Senate Third Reading Laid Over Daily - No Amendments</p> <p>3/13/2018 Senate Third Reading Passed - No Amendments</p> <p>3/15/2018 Introduced In House - Assigned to Agriculture, Livestock, & Natural Resources</p> <p>3/26/2018 House Committee on Agriculture, Livestock, & Natural Resources Refer Unamended to Finance</p> <p>4/2/2018 House Committee on Finance Refer Unamended to Appropriations</p> <p>4/11/2018 House Committee on Appropriations Refer Unamended to House Committee of the Whole</p> <p>4/12/2018 House Second Reading Special Order - Laid Over Daily - No Amendments</p> <p>4/18/2018 House Second Reading Passed - No Amendments</p> <p>4/19/2018 House Third Reading Passed - No Amendments</p> <p>4/25/2018 Signed by the President of the Senate</p> <p>4/26/2018 Sent to the Governor</p> <p>4/26/2018 Signed by the Speaker of the House</p> <p>5/4/2018 Governor Signed</p>
Fiscal Notes:	Fiscal Note
Date Introduced:	2018-01-29
Amendments:	Amendments
Bill Version:	Signed Act

SB18-167 [Enforce Requirements 811 Locate Underground Facilities](#)

Position:	Monitor
Calendar	NOT ON CALENDAR
Notification:	
News:	
Audio, Floors and Committees:	
Sponsors:	R. Scott K. Donovan / F. Winter L. Saine
Status:	<p>2/12/2018 Introduced In Senate - Assigned to Transportation</p> <p>2/22/2018 Senate Committee on Transportation Refer Amended to Finance</p>

3/1/2018 Senate Committee on Finance Refer Amended to Appropriations
 4/24/2018 Senate Committee on Appropriations Refer Amended to Senate Committee of the Whole
 4/26/2018 Senate Second Reading Passed with Amendments - Committee, Floor
 4/27/2018 Senate Third Reading Passed - No Amendments
 4/27/2018 Introduced In House - Assigned to Finance
 4/30/2018 House Committee on Finance Refer Amended to Appropriations
 5/2/2018 House Committee on Appropriations Refer Unamended to House Committee of the Whole
 5/2/2018 House Second Reading Special Order - Passed with Amendments - Committee
 5/3/2018 House Third Reading Passed - No Amendments
 5/3/2018 Senate Considered House Amendments - Result was to Concur - Repass

Fiscal Notes: [Fiscal Note](#)

Date Introduced: 2018-02-12

Amendments: [Amendments](#)

Bill Version: Pre-Amended

SB18-170

Reservoir Releases For Fish And Wildlife Mitigation

Position: **Support**

Calendar
Notification: NOT ON CALENDAR

News:

Audio, Floors and Committees:

Sponsors: J. Sonnenberg / C. Hansen | H. McKean

Status: 2/21/2018 Introduced In Senate - Assigned to Agriculture, Natural Resources, & Energy

2/28/2018 Senate Committee on Agriculture, Natural Resources, & Energy Refer Amended to Senate Committee of the Whole

3/5/2018 Senate Second Reading Passed with Amendments - Committee

3/6/2018 Senate Third Reading Laid Over to 03/08/2018 - No Amendments

3/8/2018 Senate Third Reading Passed - No Amendments

3/13/2018 Introduced In House - Assigned to Agriculture, Livestock, & Natural Resources

3/19/2018 House Committee on Agriculture, Livestock, & Natural Resources Refer Unamended to House Committee of the Whole

3/22/2018 House Second Reading Laid Over to 03/23/2018 - No Amendments

3/23/2018 House Second Reading Laid Over to 03/26/2018 - No Amendments

3/26/2018 House Second Reading Passed - No Amendments

3/27/2018 House Third Reading Laid Over to 03/28/2018 - No Amendments

3/28/2018 House Third Reading Laid Over to 03/29/2018 - No Amendments

3/29/2018 House Third Reading Passed - No Amendments

4/4/2018 Signed by the President of the Senate

4/6/2018 Signed by the Speaker of the House

4/9/2018 Sent to the Governor
4/12/2018 Governor Signed

Fiscal Notes: [Fiscal Note](#)

Date Introduced: 2018-02-21

Amendments: [Amendments](#)

Bill Version: Pre-Amended

SB18-176 **Board Meeting Dates Southwestern Water Conservation District**

Position: **Support**

Calendar NOT ON CALENDAR

Notification:

News:

Audio, Floors and Committees:

Sponsors: D. Coram / B. McLachlan | M. Catlin

Status: 2/21/2018 Introduced In Senate - Assigned to Agriculture, Natural Resources, & Energy

2/28/2018 Senate Committee on Agriculture, Natural Resources, & Energy
Refer Unamended - Consent Calendar to Senate Committee of the Whole

3/5/2018 Senate Second Reading Passed - No Amendments

3/6/2018 Senate Third Reading Laid Over to 03/08/2018 - No Amendments

3/8/2018 Senate Third Reading Passed - No Amendments

3/12/2018 Introduced In House - Assigned to Agriculture, Livestock, & Natural Resources

3/19/2018 House Committee on Agriculture, Livestock, & Natural Resources
Refer Unamended to House Committee of the Whole

3/22/2018 House Second Reading Laid Over to 03/23/2018 - No Amendments

3/23/2018 House Second Reading Laid Over to 03/26/2018 - No Amendments

3/26/2018 House Second Reading Passed - No Amendments

3/27/2018 House Third Reading Laid Over to 03/28/2018 - No Amendments

3/28/2018 House Third Reading Laid Over to 03/29/2018 - No Amendments

3/29/2018 House Third Reading Laid Over to 04/02/2018 - No Amendments

4/2/2018 House Third Reading Passed - No Amendments

4/10/2018 Signed by the President of the Senate

4/11/2018 Sent to the Governor

4/11/2018 Signed by the Speaker of the House

4/12/2018 Governor Signed

Fiscal Notes: [Fiscal Note](#)

Date Introduced: 2018-02-21

Amendments:

Bill Version: Final Act

SB18-218**Colorado Water Conservation Board Construction Fund Project**

Position:	Support
Calendar	NOT ON CALENDAR
Notification:	
News:	
Audio, Floors and Committees:	
Sponsors:	D. Coram / J. Arndt
Status:	<p>3/26/2018 Introduced In Senate - Assigned to Agriculture, Natural Resources, & Energy</p> <p>3/28/2018 Senate Committee on Agriculture, Natural Resources, & Energy Refer Unamended to Appropriations</p> <p>4/10/2018 Senate Committee on Appropriations Refer Unamended - Consent Calendar to Senate Committee of the Whole</p> <p>4/11/2018 Senate Second Reading Special Order - Passed - No Amendments</p> <p>4/12/2018 Senate Third Reading Passed - No Amendments</p> <p>4/17/2018 Introduced In House - Assigned to Agriculture, Livestock, & Natural Resources</p> <p>4/23/2018 House Committee on Agriculture, Livestock, & Natural Resources Refer Unamended to Appropriations</p> <p>5/2/2018 House Committee on Appropriations Refer Unamended to House Committee of the Whole</p> <p>5/2/2018 House Second Reading Special Order - Passed - No Amendments</p> <p>5/3/2018 House Third Reading Passed - No Amendments</p>
Fiscal Notes:	Fiscal Note
Date Introduced:	2018-03-26
Amendments:	
Bill Version:	Rerevised

SB18-245**Allow Natural Occurring Radioactive Material Rules**

Position:	Support
Calendar	Tuesday, May 8 2018
Notification:	THIRD READING OF BILLS - FINAL PASSAGE (3) in house calendar.
News:	
Audio, Floors and Committees:	
Sponsors:	J. Cooke / J. Arndt
Status:	<p>4/16/2018 Introduced In Senate - Assigned to Agriculture, Natural Resources, & Energy</p> <p>4/26/2018 Senate Committee on Agriculture, Natural Resources, & Energy Refer Unamended to Senate Committee of the Whole</p> <p>5/1/2018 Senate Second Reading Laid Over Daily - No Amendments</p>

5/2/2018 Senate Second Reading Passed with Amendments - Floor
 5/3/2018 Senate Third Reading Passed with Amendments - Floor
 5/4/2018 Introduced In House - Assigned to Agriculture, Livestock, & Natural Resources
 5/7/2018 House Committee on Agriculture, Livestock, & Natural Resources Refer Unamended to House Committee of the Whole
 5/7/2018 House Second Reading Special Order - Passed - No Amendments

Fiscal Notes: [Fiscal Note](#)

Date Introduced: 2018-04-16

Amendments: [Amendments](#)

Bill Version: Revised

SB18-275

Evaluate Prerequisites Seaplane Operation In Colorado

Position: [Oppose](#)

Calendar Notification: NOT ON CALENDAR

News:

Audio, Floors and Committees:

Sponsors: R. Scott | N. Todd / L. Saine | J. Melton

Status: 4/27/2018 Introduced In Senate - Assigned to State, Veterans, & Military Affairs

5/1/2018 Senate Committee on State, Veterans, & Military Affairs Refer Unamended to Senate Committee of the Whole

5/3/2018 Senate Second Reading Passed - No Amendments

5/4/2018 Senate Third Reading Passed - No Amendments

5/4/2018 Introduced In House - Assigned to Agriculture, Livestock, & Natural Resources

5/7/2018 House Committee on Agriculture, Livestock, & Natural Resources Postpone Indefinitely

Fiscal Notes: [Fiscal Note](#)

Date Introduced: 2018-04-27

Amendments:

Bill Version: Reengrossed

SCR18-004

Congressional Redistricting

Position: [Support](#)

Calendar Notification: NOT ON CALENDAR

News:

Audio, Floors and Committees:

Sponsors: K. Grantham | S. Fenberg / C. Duran | P. Neville

Status:

4/18/2018 Introduced In Senate - Assigned to State, Veterans, & Military Affairs

4/23/2018 Senate Committee on State, Veterans, & Military Affairs Refer Unamended to Legislative Council

4/26/2018 Senate Committee on Legislative Council Refer Unamended to Appropriations

4/27/2018 Senate Committee on Appropriations Refer Unamended to Senate Committee of the Whole

4/27/2018 Senate Second Reading Special Order - Passed - No Amendments

4/30/2018 Senate Third Reading Passed with Amendments - Floor

4/30/2018 Introduced In House - Assigned to State, Veterans, & Military Affairs

5/3/2018 House Committee on State, Veterans, & Military Affairs Refer Unamended to Appropriations

5/4/2018 House Committee on Appropriations Refer Unamended to House Committee of the Whole

5/4/2018 House Second Reading Special Order - Passed - No Amendments

5/7/2018 House Third Reading Passed - No Amendments

Fiscal Notes: [Fiscal Note](#)

Date Introduced: 2018-04-18

Amendments: [Amendments](#)

Bill Version: Rerevised

SCR18-005	Legislative Redistricting
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Position: **Support**

Calendar Notification: NOT ON CALENDAR

News:

Audio, Floors and Committees:

Sponsors: K. Grantham | S. Fenberg / C. Duran | P. Neville

Status:

4/18/2018 Introduced In Senate - Assigned to State, Veterans, & Military Affairs

4/23/2018 Senate Committee on State, Veterans, & Military Affairs Refer Unamended to Legislative Council

4/26/2018 Senate Committee on Legislative Council Refer Unamended to Appropriations

4/27/2018 Senate Committee on Appropriations Refer Unamended to Senate Committee of the Whole

4/27/2018 Senate Second Reading Special Order - Passed - No Amendments

4/30/2018 Senate Third Reading Passed - No Amendments

4/30/2018 Introduced In House - Assigned to State, Veterans, & Military Affairs

4/30/2018 Senate Third Reading Passed with Amendments - Floor
 5/3/2018 House Committee on State, Veterans, & Military Affairs Refer Amended to Appropriations
 5/4/2018 House Committee on Appropriations Refer Unamended to House Committee of the Whole
 5/4/2018 House Second Reading Special Order - Passed with Amendments - Committee
 5/7/2018 House Third Reading Passed - No Amendments
 5/7/2018 Senate Considered House Amendments - Result was to Concur - Repass

Fiscal Notes: [Fiscal Note](#)

Date Introduced: 2018-04-18

Amendments: [Amendments](#)

Bill Version: Pre-Amended

SJM18-004

Memorialize Former Congressman Ray Kogovsek

Position: [Support](#)

Calendar Notification: NOT ON CALENDAR

News:

Audio, Floors and Committees:

Sponsors: L. Garcia / D. Esgar

Status: 2/5/2018 Senate Third Reading Laid Over Daily - No Amendments

2/5/2018 Introduced In Senate - Assigned to

2/6/2018 Senate Third Reading Passed - No Amendments

2/6/2018 House Third Reading Laid Over Daily - No Amendments

2/6/2018 Introduced In House - Assigned to

2/7/2018 House Third Reading Laid Over to 02/08/2018 - No Amendments

2/8/2018 House Third Reading Laid Over to 02/09/2018 - No Amendments

2/9/2018 House Third Reading Passed - No Amendments

2/12/2018 Signed by the Speaker of the House

2/12/2018 Signed by the President of the Senate

Fiscal Notes:

Date Introduced: 2018-02-05

Amendments:

Bill Version: Resolution/Memorial

SJR18-003

Water Projects Eligibility Lists

Position: [Support](#)

Calendar Notification: NOT ON CALENDAR

News:**Audio, Floors and Committees:**

Sponsors: R. Baumgardner / J. Arndt

Status:

1/12/2018 Senate Third Reading Laid Over Daily - No Amendments
1/12/2018 Introduced In Senate - Assigned to
1/17/2018 Senate Third Reading Passed - No Amendments
1/22/2018 Introduced In House - Assigned to
1/24/2018 House Committee on Agriculture, Livestock, & Natural Resources
Refer Unamended to House Committee of the Whole
1/29/2018 House Third Reading Passed - No Amendments
2/1/2018 Signed by the President of the Senate
2/2/2018 Signed by the Speaker of the House
2/6/2018 Sent to the Governor
2/13/2018 Governor Signed

Fiscal Notes:

Date Introduced: 2018-01-12

Amendments:

Bill Version: Resolution/Memorial

ITEM TITLE:

Water Supply Update

DESCRIPTION:

Raw water supply update.

SUMMARY:

NRCS Colorado SNOTEL Snow Water Equivalent (SWE) Map, as of May 8, 2018:

- Indicates the South Platte Basin is at 81% of Median SWE (1981-2010)
- Overall Statewide we are currently at 55% 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

Bear Lake NRCS SNOTEL Site:

- First Graph shows the SWE from October 2017 through May 7, 2018 (red) compared to 2002, 2015, 2016, 2017, and the 30-year Median (1981-2010)
- As of May 7, 2018, the SWE was 11 inches
- Second Graph shows the entire snow accumulation and melt-off period from October through mid-June
- Currently, the SWE accumulation is trending approximately half-way between the 30-year median SWE and the 2002 drought year data.
- We have passed the snow peak accumulation phase and are now at a time of the year where snow melt/runoff exceeds snow accumulation in the mountains.

Northern Native Supplies Report:

- SWSI – Northern Water Surface Water Supply Index (consolidates reservoir storage, SWE, and precipitation).
- The SWSI graph and the chart - “Departure from Normal Precipitation (in.)”, have not been updated since it was presented as an information item during the last LUC meeting.

Next Two Tables - NRCS SNOTEL as of May 7, 2018

- Lake Irene SWE at 19.6 inches, or 84% of Median
- Bear Lake SWE at 11 inches, or 62% of Median

RECOMMENDATION:

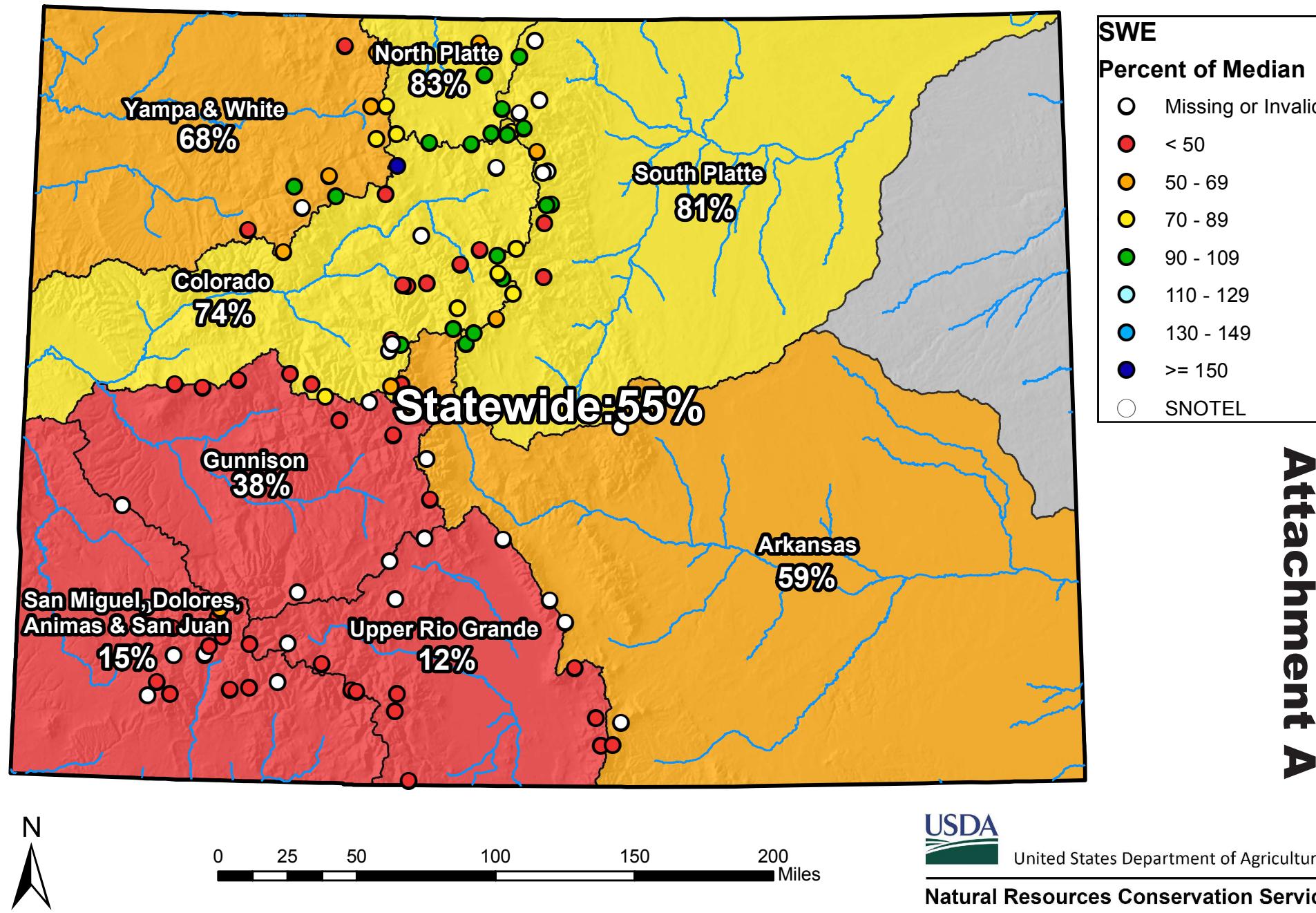
Information item only. No action required.

ATTACHMENTS:

- Ⓐ Attachment A: Colorado SNOTEL Update Map
- Ⓑ Attachment B: Snow-Water Equivalent at Bear Lake
- Ⓒ Attachment C: South Platte River Basin Snow Update Report

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

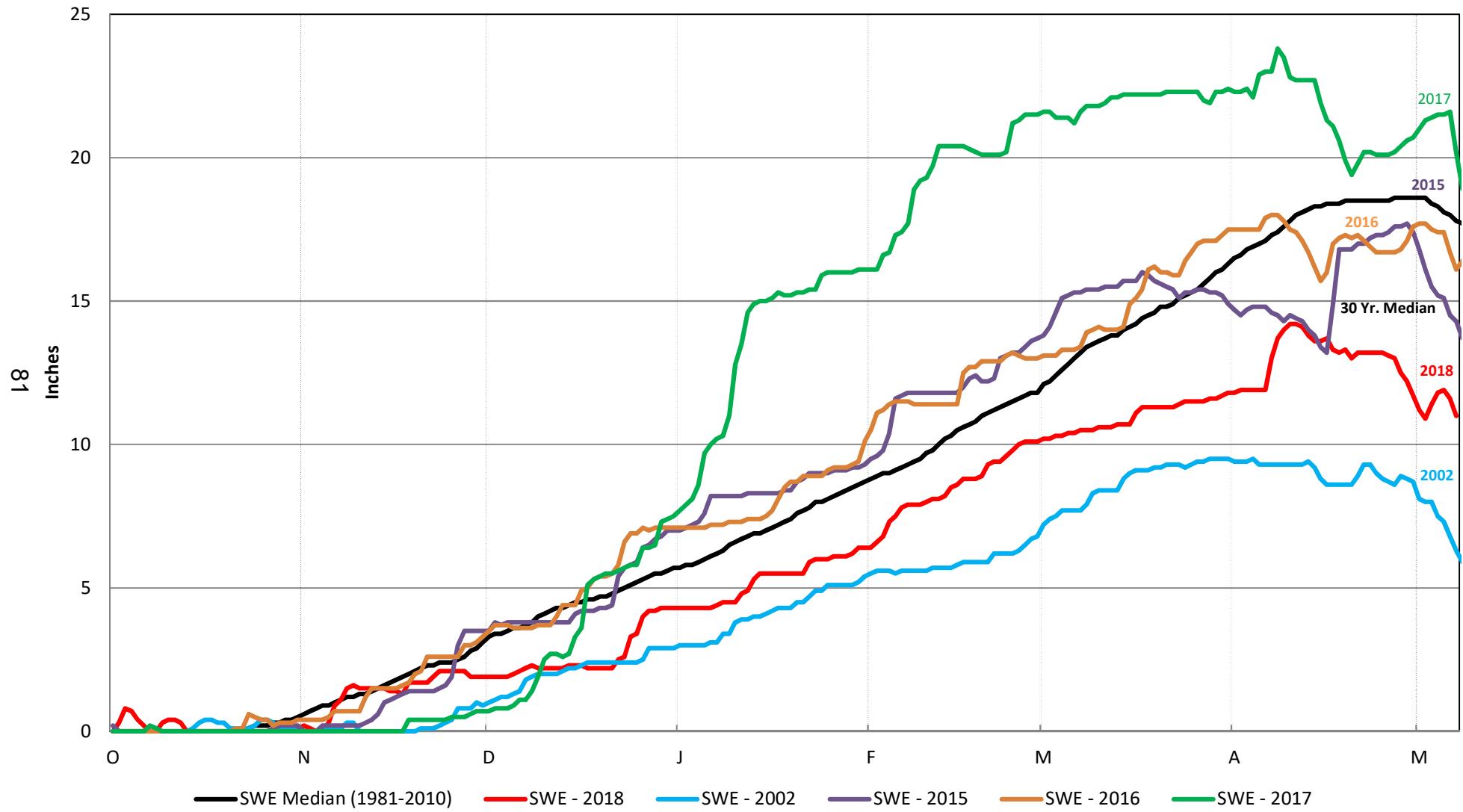
Current as of May 08, 2018



8

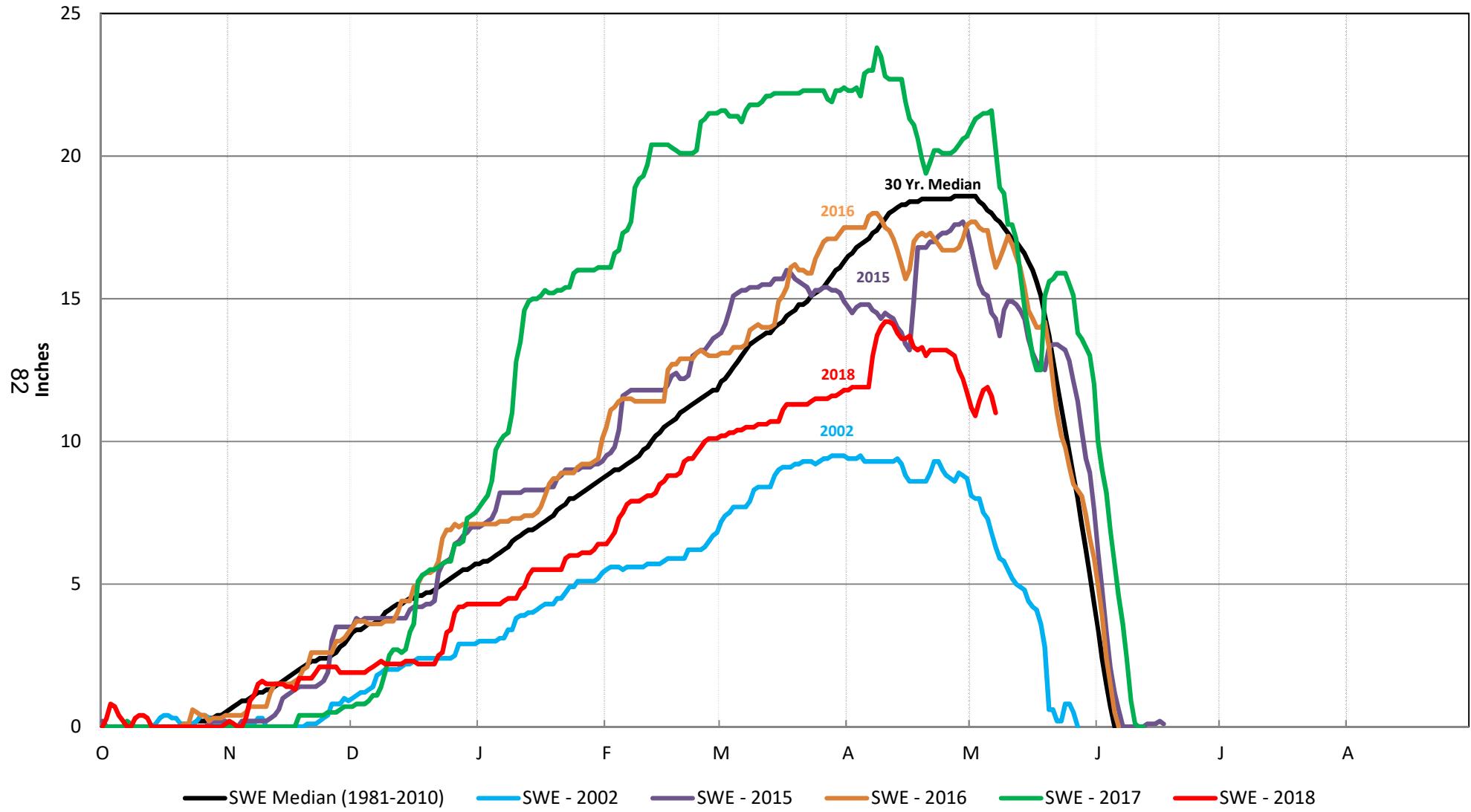
4

Snow - Water Equivalent at Bear Lake as of May 7, 2018



Attachment B

Snow - Water Equivalent at Bear Lake as of 5-7-2018



Attachment C

Snow Update

Based on Data from NRCS SNOTEL Sites

5/7/2018

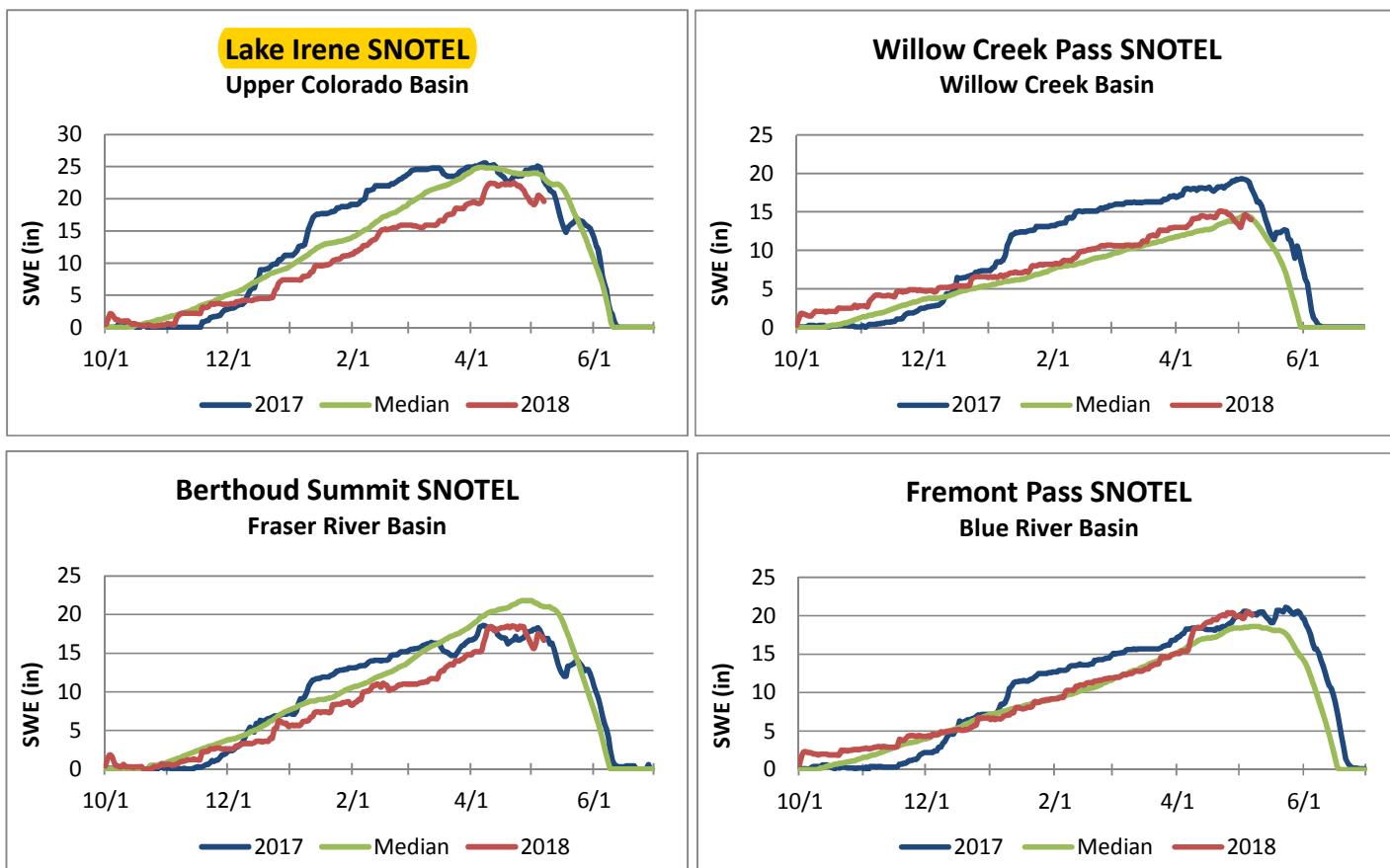
Upper Colorado River Basin					
Station Name	Basin	Elevation (ft)	Snow Water Equivalent (SWE)		
			Current (in)	Last Year (in)	Median (in) ¹
Berthoud Summit	Fraser	11,300	16.7	16.7	21
Fool Creek	Fraser	11,150	23.3	22.2	--
Fremont Pass	Blue	11,400	20.1	20.1	18.6
Grizzly Peak	Blue	11,100	15.3	18.5	14.5
High Lonesome	Upper Colorado	10,620	16.1	14.0	--
Hoosier Pass	Blue ²	11,400	14.9	16.4	14.4
Jones Pass	Fraser ²	10,400	14	13.5	14.5
Lake Irene	Upper Colorado	10,700	19.6	22.8	23.2
Never Summer	Willow Creek ²	9,540	22.3	24.4	22
Phantom Valley	Upper Colorado	9,030	2.5	0.0	2.2
Stillwater Creek	Upper Colorado	8,720	0.3	0.2	0
Willow Creek Pass	Willow Creek	9,540	14	18.1	14.3

¹ Median Snow Water Equivalent (1981-2010)

² SNOTEL stations are outside of, but near the basin.

Notes:

- Fool Creek Station began data collection October 2011; there is not enough data to compute a median.
- High Lonesome Station began data collection October 2013; there is not enough data to compute a median.



Snow Update

Based on Data from NRCS SNOTEL Sites

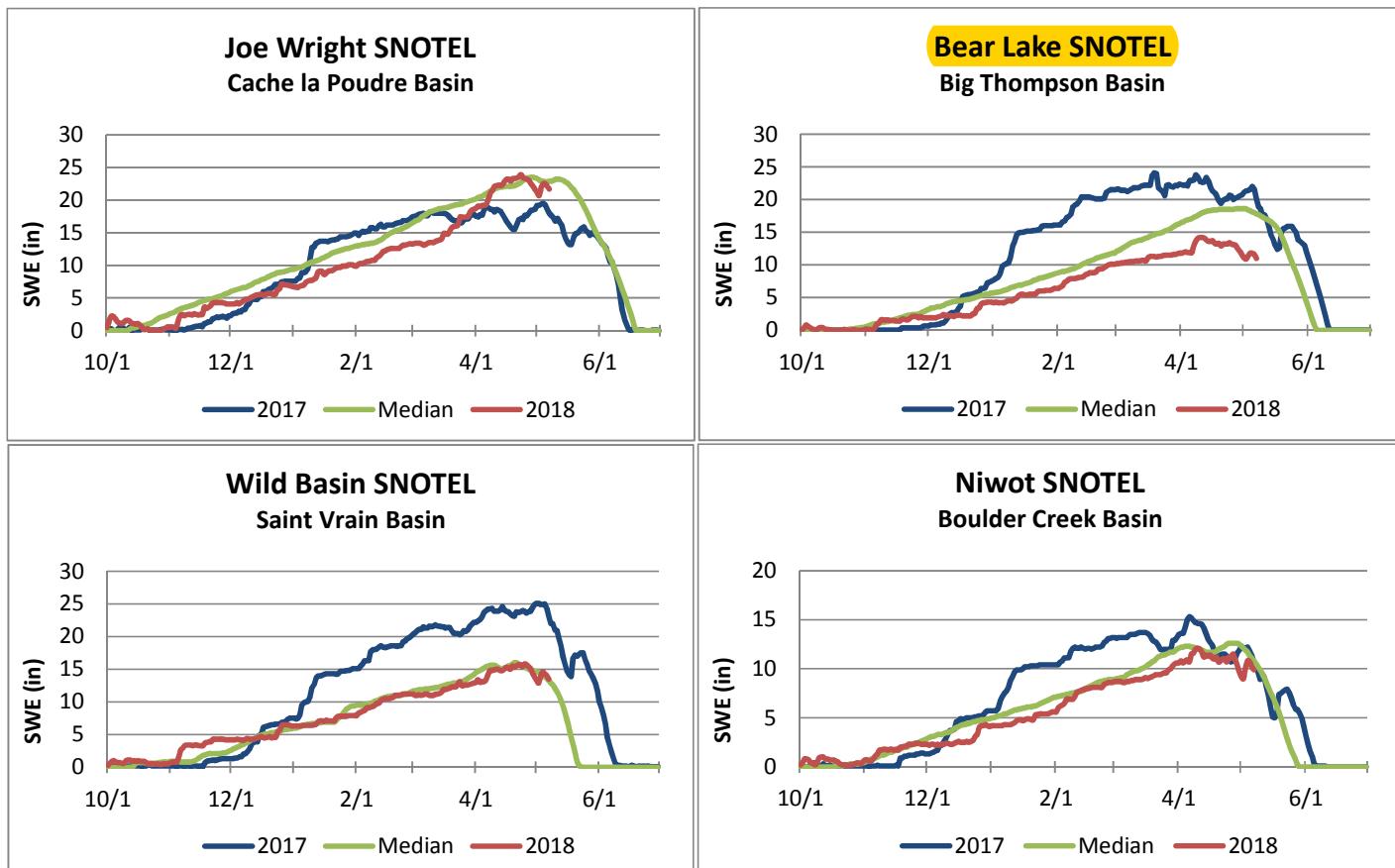
5/7/2018

South Platte River Basin					
Station Name	Basin	Elevation (ft)	Snow Water Equivalent (SWE)		
			Current (in)	Last Year (in)	Median (in) ¹
Bear Lake	Big Thompson	9,500	11	20.1	17.8
Copeland Lake	Saint Vrain	8,600	0.7	0.5	0
Deadman Hill	Cache la Poudre	10,220	20.6	21.3	18.9
Hourglass Lake	Cache la Poudre	9,380	8.4	9.7	--
Joe Wright	Cache la Poudre	10,120	21.7	18.0	22.9
Lake Eldora	Boulder Creek	9,700	1.6	0.1	5.2
Niwot	Boulder Creek	9,910	9.9	10.6	10.8
University Camp	Boulder Creek	10,300	17.8	21.0	18.6
Wild Basin	Saint Vrain	9,560	13.5	23.1	13.3
Willow Park	Big Thompson	10,700	16.5	18.1	17.8

¹ Median Snow Water Equivalent (1981-2010)

Notes:

-Hourglass Lake Station began data collection October 2008; there is not enough data to compute a median.



7 Day Change in SWE

Based on Data from NRCS SNOTEL Sites

Upper Colorado River Basin							
Station Name	Basin	Elevation (ft)	Snow Water Equivalent (SWE)				
			BOD Apr 30	BOD May 7	7 Day Gain (in)	Normal 7 Day Gain (in)	May 7 as % of Median
Berthoud Summit	Fraser	11,300	16.5	16.7	0.2	-0.8	80%
Fool Creek	Fraser	11,150	23.2	23.3	0.1	--	--
Fremont Pass	Blue	11,400	20	20.1	0.1	0.2	108%
Grizzly Peak	Blue	11,100	15.7	15.3	-0.4	-1.5	106%
High Lonesome	Upper Colorado	10,620	16	16.1	0.1	--	--
Hoosier Pass	Blue	11,400	15.8	14.9	-0.9	-0.8	103%
Jones Pass	Fraser	10,400	13.7	14	0.3	-0.5	97%
Lake Irene	Upper Colorado	10,700	19.6	19.6	0.0	-0.7	84%
Never Summer	Willow Creek	9,540	21.3	22.3	1.0	0.3	101%
Phantom Valley	Upper Colorado	9,030	4.6	2.5	-2.1	-2.3	114%
Stillwater Creek	Upper Colorado	8,720	0.3	0.3	0.0	0.0	--
Willow Creek Pass	Willow Creek	9,540	13.6	14	0.4	0.2	98%

South Platte River Basin							
Station Name	Basin	Elevation (ft)	Snow Water Equivalent (SWE)				
			BOD Apr 30	BOD May 7	7 Day Gain (in)	Normal 7 Day Gain (in)	May 7 as % of Median
Bear Lake	Big Thompson	9,500	11.6	11	-0.6	-0.8	62%
Copeland Lake	Saint Vrain	8,600	0.7	0.7	0.0	0.0	--
Deadman Hill	Cache la Poudre	10,220	20.9	20.6	-0.3	0.0	109%
Hourglass Lake	Cache la Poudre	9,380	9	8.4	-0.6	--	--
Joe Wright	Cache la Poudre	10,120	21.6	21.7	0.1	-0.5	95%
Lake Eldora	Boulder Creek	9,700	4.5	1.6	-2.9	-2.2	31%
Niwot	Boulder Creek	9,910	9.7	9.9	0.2	-1.7	92%
University Camp	Boulder Creek	10,300	17.2	17.8	0.6	-0.3	96%
Wild Basin	Saint Vrain	9,560	13.8	13.5	-0.3	-1.4	102%
Willow Park	Big Thompson	10,700	16.4	16.5	0.1	-1.0	93%

ITEM TITLE:

Boyd Parallel Interceptor Phase 2 & Morning Dr. 30" Waterline Extension – Phase 2 Construction Contract

DESCRIPTION:

This is for the approval of the construction contract for the combined Boyd Parallel Interceptor Phase 2 (W1601H) & Morning Dr. 30" Waterline (W1705D) project.

SUMMARY:

The City's largest sanitary sewer basin drains to one main interceptor which the City refers to as the Old Boyd Basin Interceptor. The existing 24" Interceptor is currently at capacity and a parallel 24" sanitary sewer will be constructed to convey a portion of the existing basin flows along with flows from all future basin development. The proposed new interceptor will be approximately 6,700 linear feet (LF) and will commence north of E. Eisenhower Blvd. on the south side of the Greeley Loveland Canal. The sanitary sewer will cross the Canal and proceed in a northerly direction through Cheyenne St., W. 17th St., Boise Ave., Silver Leaf Dr., and Madison Ave where it ties in south of 29th St (see attached map in Attachment A for proposed route). Currently the first phase of the project is under construction and will shortly be terminating at 17th St. and Boise Ave. Phase 2 of the project is included in this contract, which will take the sewer 3,990' from the phase one termination point to the tie-in manhole upstream south of Madison Ave. and 29th St. The design and subsequent construction is complicated by the Canal crossing, tight corridors, other utilities, and affects to traffic.

In order to minimize the impact to area residents and businesses, other City divisions are completing master planned or necessary maintenance work along the proposed route in conjunction with this project. The Electric utility has a need for increased redundancy and upgrading aging infrastructure along the Phase 1 route and a portion of the Phase 2 route. Therefore a duct bank and associated vaults are being installed as part of the project.

The City continues to see increased water demand. Evidence of this are production records at the WTP as well as longer run times on pumps and tank fluctuation levels. The City's gravity pressure zone is fed from two water storage tanks. One of these water tanks, the 4 MG 29th St. water tank also serves as the suction source of water for the City's largest pressure zone (P1). Additionally in the coming years it will also serve as the suction source of water for the P2 pressure zone. Given that a great deal of the City's water demand is met through this water tank and nearby pump station it is important that a consistent water supply network be in place. Therefore a 30" diameter master planned waterline is to be extended from near the Morning Dr. Pump Station to the 29th St. tank. This waterline will provide redundancy as well as be utilized to meet high flow demand. See attached map in Attachment B for route. The waterline along with numerous valves and fittings are encompassed in the Morning Dr. 30" Waterline project which is a portion of this construction contract.

Connell Resources was chosen through a competitive selection process to be the Construction Manager at Risk (CMaR) contractor for the project. They have participated in the design phase of the project providing constructability review, cost comparisons, and field services. Connell has prepared a Guaranteed Maximum Price (GMP) cost proposal for the work described above. The GMP cost proposal is comprised of the self-performed work of Connell as well as sub-contracted work. All sub-contracted work and materials were

competitively bid by Connell. The self-performed costs were reconciled through an independent third party estimating firm, Capstone. For the Boyd Interceptor Phase 2 work a final 2.7% cost difference (Connell low) between the estimates resulted. For the Morning Drive 30" Waterline Extension project the estimates wound up within 0.5% (Connell high) of one another. Both of these reconciled estimates satisfied the Department's goal of less than a 3% deviation.

- The Total Phase 2 GMP for the project is \$7,198,474.70

Breakdown of the costs between Departments, for each phase (contract) is:

Department	Phase 1	Phase 2	Total Cost
Wastewater (Boyd 24")	\$1,760,725.20	\$3,522,424.29	\$5,283,149.49
Waterline (30" Morning Dr.)	--	\$3,033,597.50	\$3,033,597.50
Electric Duct Bank	\$434,164.80	\$642,452.91	\$1,076,617.71
PW Curb & Gutter	\$189,932.30	--	\$189,932.30
PW Asphalt	\$41,738.50	--	\$41,738.50
Total	\$2,426,560.80	\$7,198,474.70	\$9,625,035.50

Adequate funds are available in the 2018 budget to execute this contract.

Per Municipal Code 3.12.060A and 3.12.060B, the LUC must approve Water and Power contracts above \$500,000 or any change order that causes a contract to equal or exceed \$500,000 and which, when combined with all previous change orders, equals or exceeds 20% of the original contract amount.

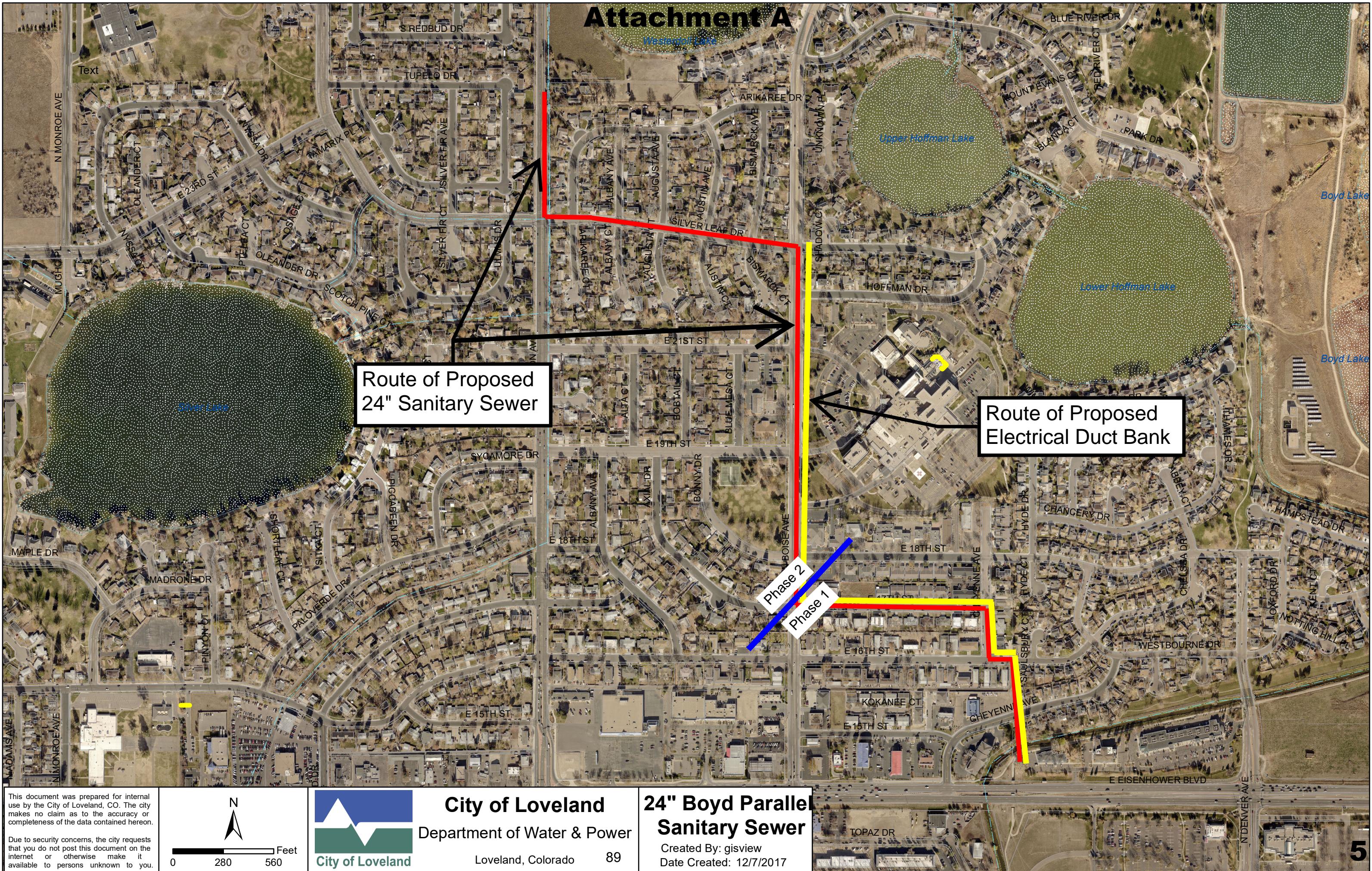
RECOMMENDATION:

Adopt a motion to award the contract for the Boyd Parallel Interceptor Phase 2 & Morning Dr. 30" Waterline Extension to Connell Resources in an amount not to exceed \$7,198,474.70 and authorize the City Manager to execute the contract on behalf of the City.

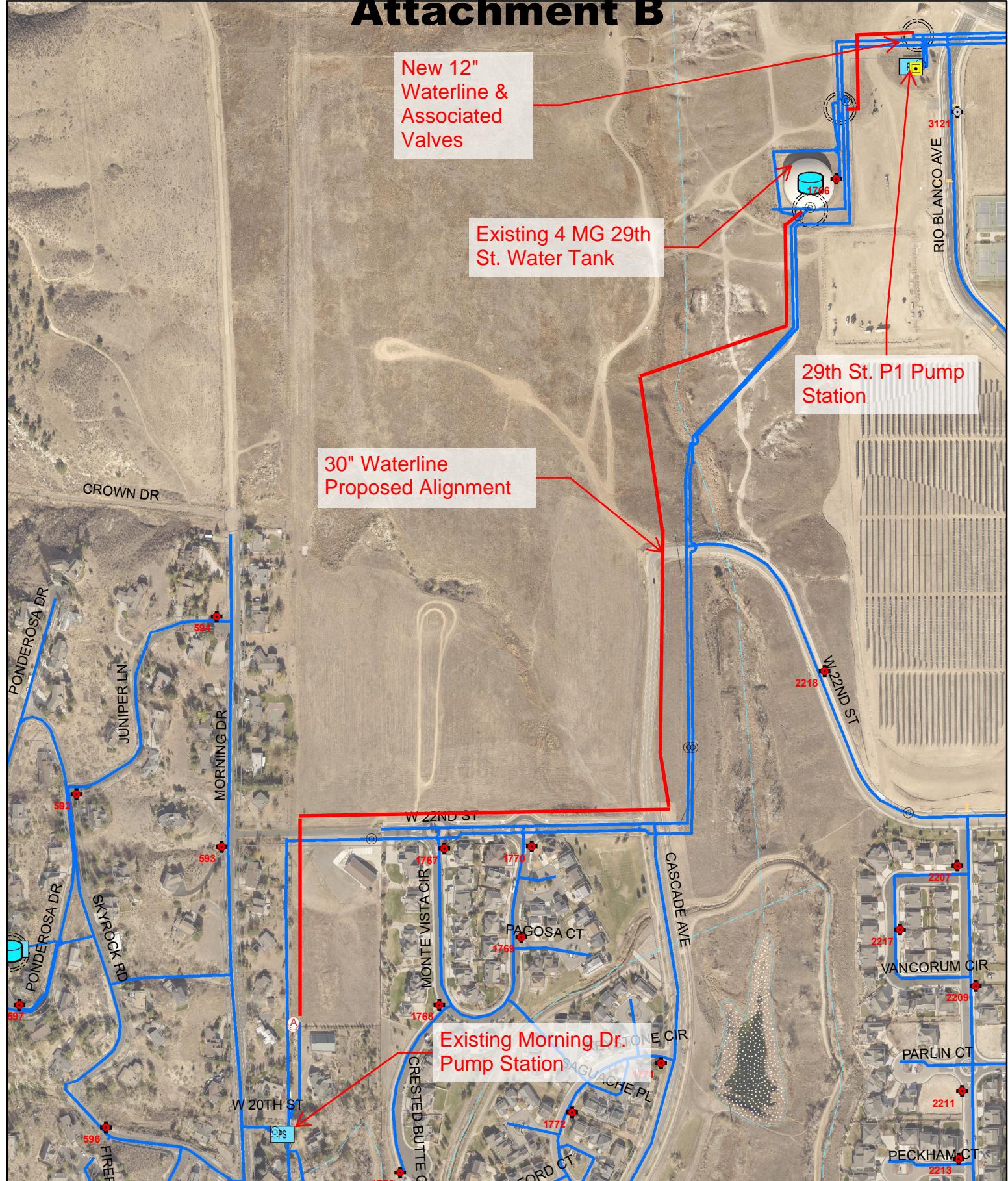
ATTACHMENTS:

- Attachment A: Figure 1 – Boyd Parallel Interceptor Sanitary Sewer & Duct Bank Alignment
- Attachment B: Figure 2 – Morning Dr. 30" Waterline Extension Alignment
- Attachment C: Bid Tabulation

Attachment A

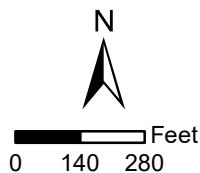


Attachment B



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City of Loveland
Department of Water & Power
91 Loveland, Colorado

Item 1- Attachment B

Created By: gisview

Date Created: 10/9/2017

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Attachment C

Attachment C - Bid Tabulation

Boyd Parallel Interceptor Phase 2 & Electric Duct Bank
Final Bid Tab 5-4-2018

Line Number	Description	Quantity	Unit	Connell Resources		Project Splits		Project Costs		
				Unit Bid Price	Total Bid Price	Sewer	Power	Sewer	Power	
Boyd Sewer Phase 2										
General Conditions	10	Mobilization (Includes 5 Removals, Base & Paving Mobs)	1	EACH	\$19,640.00	\$19,640.00	65%	35%	\$12,766.00	\$6,874.00
	20	Dewatering (Sub Quote Plus Gen Sets Fueled & Delivered Rock From Carr For Well Installation, Permit, Sample Testing)	17	WK	\$30,799.87	\$523,597.79	100%	0%	\$523,597.79	\$0.00
	30	Office Trailer, Power, Dumpster & 3 Portable Toilets	5	MO	\$2,153.70	\$10,768.50	65%	35%	\$6,999.53	\$3,768.98
	40	Site Management (Full Time Site Manager, Field Engineer & 2 Days/wk For Project Manager)	16	WK	\$7,309.60	\$116,953.60	65%	35%	\$76,019.84	\$40,933.76
	50	Pothole Existing Utilities	100	HR	\$207.74	\$20,774.00	60%	40%	\$12,464.40	\$8,309.60
	60	Construction Surveying - Boyd Parallel PH 2	1	LS	\$13,564.81	\$13,564.81	65%	35%	\$8,817.13	\$4,747.68
				Subtotal=	\$705,298.70		Subtotal=	\$640,664.68	\$64,634.02	
Removals	70	Asphalt Removal Milling 7"-9"	10,040	SY	\$4.45	\$44,678.00	65%	35%	\$29,040.70	\$15,637.30
	80	Sawcut Asphalt 8"	8,840	LF	\$1.91	\$16,884.40	65%	35%	\$10,974.86	\$5,909.54
				Subtotal=	\$61,562.40		Subtotal=	\$40,015.56	\$21,546.84	
Erosion Control	90	Gravel Inlet Protection	5	EACH	\$364.97	\$1,824.85	65%	35%	\$1,186.15	\$638.70
	100	Concrete Washout (Includes Maintenance)	1	EACH	\$3,520.00	\$3,520.00	60%	40%	\$2,112.00	\$1,408.00
	110	Maintain Erosion Control (Includes Labor & Small Equipment)	8	DY	\$817.00	\$6,536.00	65%	35%	\$4,248.40	\$2,287.60
				Subtotal=	\$11,880.85		Subtotal=	\$7,546.55	\$4,334.30	
Earthwork	120	Unsuitable Trench Backfill Material: Exc, Remove & Replace With Pit Run (Haul Unsuitable To Carr & Back Haul Pit Run)	7,980	CY	\$32.53	\$259,589.40	65%	35%	\$168,733.11	\$90,856.29
	130	Subgrade Preparation For Boise Including Exc & Haul Off Of 19" Section	5,490	SY	\$11.45	\$62,860.50	65%	35%	\$40,859.33	\$22,001.18
	140	Subgrade Preparation For Silver Leaf Including Exc & Haul Off Of 15.50" Section	3,820	SY	\$11.40	\$43,548.00	100%	0%	\$43,548.00	\$0.00
	150	Subgrade Preparation For Madison Including Exc & Haul Off Of 23" Section	1,960	SY	\$14.20	\$27,832.00	100%	0%	\$27,832.00	\$0.00
	160	Import Recycled Base For Temp Surfacing (Hauled In Semi From Harmony Rd)	500	TON	\$23.35	\$11,675.00	65%	35%	\$7,588.75	\$4,086.25
				Subtotal=	\$405,504.90		Subtotal=	\$288,561.19	\$116,943.72	
Sanitary Sewer	170	R & R - Exist 8" Clay Sewer W/ PVC (To Include By-Pass Pumping)	40	LF	\$322.66	\$12,906.40	100%	0%	\$12,906.40	\$0.00
	180	R & R - Exist 10" Clay Sewer W/ PVC (To Include By-Pass Pumping)	20	LF	\$329.68	\$6,593.60	100%	0%	\$6,593.60	\$0.00
	190	R & R - Exist 18" Clay Sewer W/ PVC (To Include By-Pass Pumping)	60	LF	\$448.02	\$26,881.20	100%	0%	\$26,881.20	\$0.00
	200	24" PVC Sewer 14-22 Feet Deep- Includes Exc, Trench Protection, Slide-rail Rental For 1600 LF, 3/4" Bedding To Bottom Of Pipe, 3/8" Minus To 12" Over Pipe, Pipe, Testing & Backfill With Excavated Materials, Haul-off Trench Zone	3,990	LF	\$307.37	\$1,226,406.30	100%	0%	\$1,226,406.30	\$0.00
	210	Sewer Manhole 60"	11	EACH	\$11,109.19	\$122,201.09	100%	0%	\$122,201.09	\$0.00
	220	Sewer Manhole 72"	2	EACH	\$12,292.89	\$24,585.78	100%	0%	\$24,585.78	\$0.00
	250	36" Sewer By-Pass (500' Of Discharge)	10	DY	\$4,695.66	\$46,956.60	100%	0%	\$46,956.60	\$0.00
	260	12' Dia Flow Split Structure (Exc, Shoring, Pipe, Tie-ins, Stop Logs, Backfill)	1	EACH	\$184,700.00	\$184,700.00	100%	0%	\$184,700.00	\$0.00
	270	Adjust Manhole In Asphalt Pavement	21	EACH	\$495.48	\$10,405.08	100%	0%	\$10,405.08	\$0.00
	280	Clay Barrier	13	EACH	\$654.00	\$8,502.00	100%	0%	\$8,502.00	\$0.00
	290	Trench Stabilization Material (Hauled From Carr In Semi)	1,000	TON	\$29.00	\$29,000.00	100%	0%	\$29,000.00	\$0.00
	300	Flow Fill Streets For Sewer (Between Existing Utilities)	20	CY	\$126.00	\$2,520.00	100%	0%	\$2,520.00	\$0.00
				Subtotal=	\$1,701,658.05		Subtotal=	\$1,701,658.05	\$0.00	

Storm Drain	310	R & R - Storm Drain Crossings	60	LF	\$146.67	\$8,800.20	100%	0%	\$8,800.20	\$0.00
					Subtotal=	\$8,800.20			Subtotal=	\$8,800.20
Waterline	320	3" HDPE Temp System (Fusing, Testing, Connection To Existing Hydrants And 2 Connections To Existing 8" On North Side Of Road, Temp Crossing Ramps)	1,265	LF	\$7.92	\$10,018.80	100%	0%	\$10,018.80	\$0.00
	330	10" PVC Waterline	1,255	LF	\$65.41	\$82,089.55	100%	0%	\$82,089.55	\$0.00
	340	8" Tie To Existing	10	EACH	\$2,526.06	\$25,260.60	100%	0%	\$25,260.60	\$0.00
	350	8" Gate Valve W/ Box (Matl Only)	10	EACH	\$1,267.51	\$12,675.10	100%	0%	\$12,675.10	\$0.00
	360	8" Plug W/ Blow Off	2	EACH	\$2,326.89	\$4,653.78	100%	0%	\$4,653.78	\$0.00
	370	10" Gate Valve W/ Box (Matl Only)	5	EACH	\$1,958.34	\$9,791.70	100%	0%	\$9,791.70	\$0.00
	380	10" Plug W/ Blow Off	1	EACH	\$2,352.56	\$2,352.56	100%	0%	\$2,352.56	\$0.00
	390	10" Tie To Existing	2	EACH	\$2,643.16	\$5,286.32	100%	0%	\$5,286.32	\$0.00
	400	10" X 8" Cross	5	EACH	\$977.10	\$4,885.50	100%	0%	\$4,885.50	\$0.00
	410	Adjust Valve Box	15	EACH	\$307.63	\$4,614.45	100%	0%	\$4,614.45	\$0.00
					Subtotal=	\$161,628.36			Subtotal=	\$161,628.36
Utility Sleeving	420	Seed And Mulch @ Hoffman	1,800	SF	\$1.49	\$2,682.00	0%	100%	\$0.00	\$2,682.00
	430	Duct Bank Installation - 31+00 To 48+10 (Owner Supplied Conduit, Spacers, Mule Tape)	1,720	LF	\$81.74	\$140,592.80	0%	100%	\$0.00	\$140,592.80
	440	Concrete Duct Encasement - 31+00 To 48+10 (Owner Supplied)	1,720	LF	\$3.58	\$6,157.60	0%	100%	\$0.00	\$6,157.60
	450	Electrical Vault Install	2	EACH	\$2,386.44	\$4,772.88	0%	100%	\$0.00	\$4,772.88
	460	Dual 4" Conduit Bore - East Of Boise(To Include All Restoration & Clean-up)	1,190	LF	\$46.37	\$55,180.30	0%	100%	\$0.00	\$55,180.30
	470	Triple 4" Conduit Bore (To Include Pipe, Install, Tape, All Restoration & Clean-up)	260	LF	\$23.86	\$6,203.60	0%	100%	\$0.00	\$6,203.60
	480	Landscaping For Duct Bank Along Boise (STA 35+70, STA 44+30, STA 48+00	3	EACH	\$2,880.00	\$8,640.00	0%	100%	\$0.00	\$8,640.00
					Subtotal=	\$224,229.18			Subtotal=	\$0.00
Concrete Flatwork	490	SHCR W / Domes & Spandrel - Rem, Grade, Place, Backfill	2	EACH	\$2,053.00	\$4,106.00	0%	100%	\$0.00	\$4,106.00
	500	Concrete Sidewalk Chase (2 Ft Wide) - Rem, Grade, Place, Backfill	4	LF	\$616.13	\$2,464.52	0%	100%	\$0.00	\$2,464.52
	510	Concrete Channel (2 Ft Wide) - Rem, Grade, Place, Backfill	16	LF	\$101.14	\$1,618.24	0%	100%	\$0.00	\$1,618.24
	520	Patch Concrete Cross Pan - Rem, Grade, Place, Backfill	400	SF	\$12.17	\$4,868.00	100%	0%	\$4,868.00	\$0.00
	530	Patch Concrete Curb And Gutter - Rem, Grade, Place, Backfill (Added 30 LF For Yard On 17th When Job Is Complete)	110	LF	\$47.18	\$5,189.80	0%	100%	\$0.00	\$5,189.80
	540	Patch Concrete Sidewalk (6" Thick) - Rem, Grade, Place, Backfill	900	SF	\$7.74	\$6,966.00	0%	100%	\$0.00	\$6,966.00
					Subtotal=	\$25,212.56			Subtotal=	\$4,868.00
Asphalt Paving	550	Asphalt Paving Boise - 7.5" Asph / 11.5" ABC - To Be Constructed In 3 Phases (added 1850 Lf X 6'w = 1230 Sy + 4260	5,490	SY	\$57.00	\$312,930.00	65%	35%	\$203,404.50	\$109,525.50
	560	Asphalt Paving Silver Leaf - 6.5" Asphalt / 9" Class 5 Agg Base	3,820	SY	\$48.40	\$184,888.00	100%	0%	\$184,888.00	\$0.00
	570	Asphalt Paving Madison - 8" Asph / 15" ABC	1,960	SY	\$67.50	\$132,300.00	100%	0%	\$132,300.00	\$0.00
	580	Asphalt Paving Mill & Overlay 2" (6'W X 3990')	2,660	SY	\$12.95	\$34,447.00	65%	35%	\$22,390.55	\$12,056.45
	590	Asphalt Paving Paver Patch	50	TON	\$298.58	\$14,929.00	65%	35%	\$9,703.85	\$5,225.15
	600	Pavement Marking	2,680	LF	\$5.60	\$15,008.00	60%	40%	\$9,004.80	\$6,003.20
					Subtotal=	\$694,502.00			Subtotal=	\$561,691.70
Control	610	Purchase, Set, Move 5 Times, Demob Concrete Barrier	500	LF	\$106.00	\$53,000.00	65%	35%	\$34,450.00	\$18,550.00

Traffic	620	Traffic Control	1	LS	\$111,600.00	\$111,600.00	65%	35%	\$72,540.00	\$39,060.00
					Subtotal=	\$164,600.00		Subtotal=	\$106,990.00	\$57,610.00
BOYD PHASE 2 TOTAL					TOTAL=	\$4,164,877.20			\$3,522,424.29	\$642,452.91

Morning Dr. Waterline Extension
Final Bid Tab 5-4-2018

					Connell Resources	
	Line Number	Description	Quantity	Unit	Unit Bid Price	Total Bid Price
Morning Dr. Waterline						
General Conditions	1000	Mobilization, Includes One Portalet For 6 Months And Permit Costs	1	LS	\$28,000.00	\$28,000.00
	1002	Dewatering, Includes 200 Tons Of Dewatering Rock	4	WK	\$10,600.00	\$42,400.00
	1004	Pioneer Access Across Drainage, Includes Installation Of Temporary Pipe Across Bottom Of Wet Area, Building A Road Across The Drainage And Removal After Pipe Has Crossed The Area	1	LS	\$16,500.00	\$16,500.00
	1006	Flow Fill Street Crossing Waterline	200	CY	\$117.00	\$23,400.00
	1008	Office Trailer, Including Fencing For Staging Area, Portable Toilets (2), Assumes Electrical Hookup Is Available, Includes Copier Rental And Internet Connection	6	MO	\$6,180.00	\$37,080.00
	1010	Site Management Full Time Site Manager, 1/2 Time Field Engineer, 48 Days Of PM	24	WK	\$5,760.00	\$138,240.00
	1012	Pothole Existing Utilities	40	HR	\$206.00	\$8,240.00
	1014	Construction Surveying	1	LS	\$15,700.00	\$15,700.00
	1016	Weld Testing	1	LS	\$11,500.00	\$11,500.00
	1018	Excavate Existing Pipes To Verify OD And Vertical Alignments Around Pump Station	3	DY	\$4,230.00	\$12,690.00
	1020	Gravel Surfacing 3" (Class 5 Agg Base) Installation And Removal At Staging Area / Construction Trailer	7,000	SY	\$6.10	\$42,700.00
					Subtotal=	\$376,450.00
Removals	1022	Clear & Grub	12	ACRE	\$1,020.00	\$12,240.00
	1024	Remove and Replace Chain Link Fence and Gate At Water Tank Tie In	100	LF	\$29.20	\$2,920.00
					Subtotal=	\$15,160.00
Erosion Control	1026	Silt Fence / Compacted Berm / Construction Fence As Needed	9,000.00	LF	\$2.00	\$18,000.00
	1028	Gravel Inlet Protection	20.00	EACH	\$363.00	\$7,260.00
	1030	Vehicle Tracking Control	5.00	EACH	\$1,670.00	\$8,350.00
	1032	Concrete Washout	2.00	EACH	\$2,500.00	\$5,000.00
	1034	Erosion Log (9" Diameter)	610.00	LF	\$5.10	\$3,111.00
	1036	Gravel Bag	200.00	LF	\$9.40	\$1,880.00

	1038	Street Sweeping	80.00	HR	\$175.00	\$14,000.00
	1040	Seed And Mulch	12.00	ACRE	\$1,040.00	\$12,480.00
	1042	Maintain Erosion Control	16.00	WK	\$517.00	\$8,272.00
	1044	Erosion Control Supervisor	16.00	DY	\$602.00	\$9,632.00
					Subtotal=	\$87,985.00
	1046	Strip Stockpile Topsoil	6,105.00	CY	\$2.65	\$16,178.25
	1048	Finish Grading, Prior To Seeding	55,000.00	SY	\$0.58	\$31,900.00
	1050	Replace Stripped Topsoil	6,105.00	CY	\$3.05	\$18,620.25
				Subtotal=	\$66,698.50	
	1052	30" PVC Waterline, Includes Unloading And Stringing Out Pipe, Excavation, Bedding, Backfill And Testing Of Waterline	4,420	LF	\$212.00	\$937,040.00
	1054	30" Bell Restraint, Including Equipment And Labor To Install Them	80	EACH	\$2,250.00	\$180,000.00
	1056	6" MJ Lowering	1	EACH	\$3,110.00	\$3,110.00
	1060	6" Tap On 12" Main, 6" Waterline With Bell Restraints And Fire Hydrant At Tank, Includes 60 Ft Of Waterline	1	EACH	\$15,000.00	\$15,000.00
	1062	30" X 4" Air Vac	2	EACH	\$15,200.00	\$30,400.00
	1064	Connect To Existing 30" Detail A (D102), Includes Welding Of Harness Coupling And Butt Strap, And Grouting Of Butt Strap	1	LS	\$13,600.00	\$13,600.00
	1066	Includes Weld On Romac Coupling And Lining Repair With Epoxy Paint	1	EACH	\$28,200.00	\$28,200.00
	1068	30" Butterfly Valve Buried	2	EACH	\$12,100.00	\$24,200.00
	1070	30" Butterfly Valve With Vault, Includes 2- Air Vacs. DIP, Solid Sleeves, Anodes (STA 33+50)	1	EACH	\$50,900.00	\$50,900.00
	1072	30" Bend With Kicker And Megalug Restraint Need To Add 5 (11-1/4 Bends	17	EACH	\$6,800.00	\$115,600.00
	1074	30" X 6" Blowoff, Includes Tee, Bend, Valve, Water Pipe, Tee, Riser Pipe, Anode And Manhole Cover	1	EACH	\$17,000.00	\$17,000.00
	1076	30" X 6" Fire Hydrant Includes Tee, Waterline, Valve And Fire Hydrant	2	EACH	\$14,100.00	\$28,200.00
	1078	Expose 30" Tee And Add Thrust Block And Restrain Valve Back To Tee If Needed	1	LS	\$5,290.00	\$5,290.00
	1080	Adjust Valve Box	6	EACH	\$306.00	\$1,836.00
	1082	Bollards	13	EACH	\$489.00	\$6,357.00

	1084	Carsonite Marker	15	EACH	\$297.00	\$4,455.00
	1086	30" Concrete Encasement, Includes Mud Mat, Precast Blocks And Straps To Hold Pipe Down, Excavation And Backfill For Concrete Encasement, Reinforcing Steel And Concrete.	390	LF	\$396.00	\$154,440.00
	1088	Thrust Wall	1	EACH	\$14,400.00	\$14,400.00
					Subtotal=	\$1,630,028.00
Traffic Control	1092	Traffic Control	1	LS	\$25,100.00	\$25,100.00
					Subtotal=	\$25,100.00
Morning Dr. Waterline Total					TOTAL=	\$2,201,421.50
Pump Station						
Step 1	1990	Additional Welding Time For Unforeseen Work At Pump Station Tie In Area, Includes Welder Time And Three Additional Butt Straps	3	DY	\$1,950.00	\$5,850.00
	1991	16" MJ 45 Bend	2	EACH	\$2,070.00	\$4,140.00
	2000	16" PVC Waterline	20	LF	\$252.00	\$5,040.00
	2002	16" Tap On 30" Main	2	EACH	\$21,300.00	\$42,600.00
	2004	16" Solid Sleeve	1	EACH	\$3,140.00	\$3,140.00
	2004	Steel Pipe Material Complete	1	EACH	\$130,100.00	\$130,100.00
					Subtotal=	\$190,870.00
Step 2	2006	12" PVC Waterline	440	LF	\$72.60	\$31,944.00
	2008	12" Joint Restraint	12	EACH	\$549.00	\$6,588.00
	2010	12" Tap On 12" Main	1	EACH	\$11,300.00	\$11,300.00
	2012	12" Lowering	1	EACH	\$6,580.00	\$6,580.00
	2014	12" 90 Bend	2	EACH	\$577.00	\$1,154.00
	2016	12" X 2" Air Vac	1	EACH	\$7,560.00	\$7,560.00
					Subtotal=	\$65,126.00
Step 3	2018	16" PVC Waterline	40	LF	\$205.00	\$8,200.00
	2020	16" MJ Tee	1	EACH	\$3,120.00	\$3,120.00
	2022	16" X 12" Reducer	1	EACH	\$1,770.00	\$1,770.00

Step 3	2024	16" Butterfly Valve With Box	2	EACH	\$4,190.00	\$8,380.00
	2026	Connect To Existing 16"	1	EACH	\$5,320.00	\$5,320.00
	2028	Verify Existing Valves Are Restrained Prior To Cutting Pipe	1	LS	\$4,350.00	\$4,350.00
						Subtotal= \$31,140.00
Step 4	2030	16" PVC Waterline	40	LF	\$280.00	\$11,200.00
	2032	16" MJ Tee	1	EACH	\$4,210.00	\$4,210.00
	2034	16" Butterfly Valve With Box	1	EACH	\$5,280.00	\$5,280.00
	2036	16" Cap With Blow Off	1	EACH	\$5,980.00	\$5,980.00
	2038	24" Line Stop Includes Excavation, Concrete Thrust Block, Line Stop Install, Line Stop Removal And Backfill Of Excavation	1	EACH	\$57,300.00	\$57,300.00
	2040	30" Line Stop Includes Excavation, Concrete Thrust Block, Line Stop Install, Line Stop Removal And Backfill Of Excavation	1	EACH	\$79,650.00	\$79,650.00
	2042	Connect To Existing 30" Install 30" Tee With Butt Strap, Cap	1	EACH	\$8,720.00	\$8,720.00
	2044	Connect To Existing 30", Install 30" X 16" Reducer	1	EACH	\$8,980.00	\$8,980.00
						Subtotal= \$181,320.00
Step 5	2046	24" Steel Waterline, Includes Butt Strap And HMC	40	LF	\$297.00	\$11,880.00
	2048	Connect To Existing 24" Includes One Butt Strap And One Harness Coupling	2	EACH	\$4,500.00	\$9,000.00
	2050	24" Butterfly Valve Buried	4	EACH	\$8,100.00	\$32,400.00
	2052	24" Steel Cross Flanged	1	EACH	\$4,350.00	\$4,350.00
	2054	24" Cap And Blow Off, Includes One Stick Of 24" DIP Blowoff Includes 4" Flange Coupling Adaptor, 4" MJ Gate Valve, 4" DIP, 4" 90 Bend, 4" Spool PEX Flange, 4" Blind Flange	1	EACH	\$10,100.00	\$10,100.00
					Subtotal= \$67,730.00	
Step 6	2056	Connect To Existing 24" Includes 24" Pipe (10 Ft), Butt Strap, HMC, Excavation, And Backfill	1	LS	\$13,100.00	\$13,100.00
	2058	24" Butterfly Valve Buried	1	EACH	\$12,500.00	\$12,500.00
	2060	Thrust Wall On Existing 24" Steel Waterline, Includes Excavation Weld Thrust Rings On 24" Waterline, Install Concrete Thrust Wall And Backfill	1	EACH	\$16,200.00	\$16,200.00
					Subtotal= \$41,800.00	
Step 7	2062	4" Cap To Abandon Existing Hydrant Lateral Including Kupferle Blowoff Hydrant	1	EACH	\$5,230.00	\$5,230.00
	2064	12" Cap North Of Wet Tap, And At 30" Main, Including Kupferle Blowoff Hydrants	2	EACH	\$5,320.00	\$10,640.00

					Subtotal=	\$15,870.00
Pump Station Totals					TOTAL=	\$593,856.00
Rebuild 22nd Street						
Removals	3000	Remove Asphalt With Hoe, Includes Saw Cutting	400	SY	\$21.10	\$8,440.00
	3002	Remove Concrete Flatwork 6"	2,200	SF	\$1.95	\$4,290.00
	3004	Remove Curb And Gutter	200	LF	\$13.50	\$2,700.00
					Subtotal=	\$15,430.00
Earthwork	3006	Fine Grade Curb And Gutter	200	LF	\$9.85	\$1,970.00
	3008	Fine Grade Concrete Flat Work	2,200	SF	\$2.25	\$4,950.00
	3010	Subgrade Preparation (+/- 0.1 Ft)	400	SY	\$10.00	\$4,000.00
					Subtotal=	\$10,920.00
Concrete Flatwork	3012	Concrete Radii W/ Pan, CG, DHCR, 25 Ft	1	EACH	\$2,300.00	\$2,300.00
	3014	Concrete Curb And Gutter 30" Vertical	200	LF	\$31.00	\$6,200.00
	3016	Concrete Sidewalk (6" Thick)	2,200	SF	\$6.50	\$14,300.00
					Subtotal=	\$22,800.00
Asphalt Paving	3018	Asphalt Patch Assumed Section 6" Asphalt / 8" Class 5 Agg Base	400	SY	\$82.80	\$33,120.00
	3020	Pavement Marking	1	LS	\$2,080.00	\$2,080.00
					Subtotal=	\$35,200.00
Rebuild 22nd Street Total					TOTAL=	\$84,350.00
Cathodic Protection						
Cathodic Protection	4000	CP Test Station And Anode Bed On Existing Steel Waterline Includes Excavation, Installation Of 10 Anodes And Test Station Includes Trenching 110 LF For Wires, Deep Excavation For Anodes And Tie In To Existing Waterline	10	EACH	\$10,000.00	\$100,000.00
	4002	Install Insulating Flanges (2), Heat Shrink Sleeves (12), Joint Bonds(22 Ea), CP Test Stations (3), Insulating Test Stations (2) And Anodes (12 Ea) At Pump Station Steel And Ductile Iron Pipe Items.	1	LS	\$6,750.00	\$6,750.00
	4004	Landscape / Concrete Repair Allowance At CP Test Stations	10	EACH	\$1,150.00	\$11,500.00
	4006	Bollard At Each Test Station	10	EACH	\$538.00	\$5,380.00
	4008	Remove Asphalt With Hoe, Includes Saw Cutting	200	SY	\$17.40	\$3,480.00

4010	Asphalt Patch Assumed Section 6" Asphalt / 8" Class 5 Agg Base (30 Ft X 40 Ft) At Each Location In Asphalt 2 Ea	200	SY	\$93.70	\$18,740.00
4012	Traffic Control For CP Stations On Morning Drive (1 Ea)	1	LS	\$8,120.00	\$8,120.00
				Subtotal=	\$153,970.00
Cathodic Protection Total				TOTAL=	\$153,970.00
PROJECT TOTAL				TOTAL=	\$3,033,597.50

ITEM TITLE:

2019 Budget Review for Water, Wastewater and Power

DESCRIPTION:

The purpose of this is to ask the LUC to adopt a motion indicating support of the proposed 2019 Water and Power budget for City Council's consideration.

SUMMARY:

The 2019 Water & Power budget process is nearly complete, and the information is assembled and will be submitted to the Budget Office on May 19, 2018. Attachment A is the 10-Year Financial Plans and Attachment B is the 10-Year Capital Plans for the three utilities. Loveland Utilities Commission (LUC) members John Butler and Sean Cronin participated in this year's budget review meetings, and we thank them for their time, interest and guidance. Today, the LUC will receive an update on the 2019 budget. Some of the highlights and challenges from this budget process are discussed below.

CHANGES IMPACTING ALL THREE UTILITIES

- **Staffing** – There is an increase of 4.625 full-time equivalent (FTE) positions proposed for 2019. The positions and modifications that are being proposed are:
 - 1) Master Electrician – Technical Services
 - 2) Journey Water Systems Operator – Water Operations
 - 3) Journey Meter Technician – Power Metering
 - 4) Pre-Apprentice Line Worker – Power Line Crews
 - 5) Warehouse Worker (25 hrs./week) - Warehouse

The addition of these positions will generate an increase in Personal Services expense of \$445,000. The \$445,000 increase breaks down as \$97,000 for Water, \$104,000 for Wastewater and \$244,000 for Power.

There also have been some deletions and scaling down of temporary positions for 2019, which will result in a decrease in Personal Services expense of approximately \$51,000. The \$51,000 decrease breaks down as a \$37,000 decrease for Water, a \$48,000 decrease for Wastewater and a \$34,000 increase for Power.

- **Salaries** – A 3.0% salary increase has been built in for 2019, which will generate an overall increase in Personal Services of \$318,000. The \$318,000 increase breaks down as a \$106,000 increase for Water, a \$79,000 increase for Wastewater and a \$133,000 increase for Power.
- **Health Insurance Expense** – Health insurance expense is projected to increase by 8% in 2019, which generated a total increase in the W&P budget of \$156,000. The breakdown by utility is that Water is up \$53,000, Wastewater is up \$27,000 and Power is up \$76,000.

- **Reduction in Cost for the New Customer Information System (CIS) Software and Implementation**
– The City's IT Department is close to purchasing a software package to replace and upgrade the existing utility billing software, which is 31-years old. Based on a weighted allocation, the W&P Utilities are paying for 75% of this purchase. The total 2018 budget for the purchase is \$6.7 million, with Water and Wastewater each contributing \$1.1 million toward the purchase and Power contributing \$2.7 million. In 2019, each utility will be responsible for their appropriate portion of associated O&M expenses, which for Water and Wastewater will be \$116K for each utility and \$279K for Power. These lower figures will yield a \$1.0 million decrease in 2019 compared to 2018 for both Water and Wastewater and a \$2.4 million decrease for Power.
- **Cost Allocation Expenses** – W&P's allocation of services rendered by other City departments is increasing significantly overall in 2019. After a review with an outside consultant, a new methodology for allocating City department costs has been developed. In a nutshell, costs that were previously borne by the General Fund are now being covered by the City's utilities, including Storm Water and Solid Waste. The departments where the largest increases are seen include Finance, the City Manager's Office, Utility Billing and Meter Reading, and large decreases are seen in Facilities Management and Public Grounds. The total increase in Cost Allocations is \$221,000. The breakdown of the change by utility is that Water is down \$54,000, Wastewater is up \$115,000 and Power is up \$160,000.
- **General Liability Expense** – General Liability expense is up \$141,000 in 2019. General Liability is calculated partially based on the past five years of claims experience and 2017 was a high year for claims and 2012, the year that dropped, was lower. The breakdown by utility is that Water is up \$101,000, Wastewater is up \$52,000 and Power is down \$12,000.
- **Transfers for Assets Funded by Multiple Utilities** – There is a large increase in the amount of capital purchases for assets that are used by more than one utility in 2019 compared to 2018, and these changes in the costs were allocated between the utilities, with the great majority of the increase being in Water. In total, 2019 is up from 2018 by \$618,000, and Water's portion of the increase is \$539,000. The big driver in the Water increase is Water's contribution toward the construction of a new Water Quality Lab. This contribution is budgeted in 2018 at \$963,000, however, it appears the construction will be completed in 2019. So, it has been re-budgeted in 2019 at \$1,338,000, yielding a \$375,000 increase over 2018. In addition, Wastewater is up \$69,000 and Power is up \$10,000.
- **Non-recurrence of Funding for HIP Street Project** – Funding is included in 2018 for W&P's contribution toward conceptual design for infrastructure and street enhancements in the Downtown area. Since these costs will not recur in 2019, they are budget reductions. The breakdown by utility is that Water is down \$88,000, Wastewater is down \$52,000 and Power is down \$86,000.
- **Non-recurrence of Work Order Software Replacement and Enhancement of Cityworks Software**
– Another software replacement that is budgeted for 2018 is the 23-year old HTE work order financial tracking software. In addition, enhancements to the capabilities of our existing Cityworks software, which is used for tracking assets and maintenance on them, are programmed for this year. Since these costs will not recur in 2019, they are budget reductions. The 2018 total request is for \$150,000, so the 2019 reductions will be Water decreasing by \$53,000, Wastewater \$42,000 and Power \$55,000.
- **1% For the Arts** – This is linked to the volume of capital activity in non-growth related projects, and this is down \$57,000 from 2017. The breakdown by utility is that Water is down \$7,000, Wastewater is up \$14,000 and Power is down \$64,000.

WATER

In accordance with the Water Rate Track and Financing Ordinance that was passed by City Council back in August of 2015, there is a 9% overall rate increase proposed for Water in 2019. **(NOTE: This 2019 rate increase is subject to change pending the outcome of the cost-of-service rate study.)** The entirety of this increase will be to address aging infrastructure and operational needs.

In addition to the capital projects that are detailed in the Water 10-Year Capital Plan, key operating expense drivers (both increases and decreases) that are built into the 2019 budget include:

- **Domestic Water Rights – Decrease of \$275,000:** This case is anticipated to be coming close to resolution in 2018, so the amount of legal and engineering effort will be substantially reduced in 2019. A minimum of 900 acre-feet are involved with this decree.
- **Lawn Irrigation Return Flows (LIRFS) – Increase of \$120,000:** This case is expected to make it to trial in 2019, so increased legal and engineering effort is anticipated. The projected resulting decree will give the City the ability to claim credit for reusable return flows which accrue to the river from lawn irrigation. Our current decrees only address water returning to the river through the WWTP.
- **Windy Gap Assessment – Decrease of \$55,000:** The carriage cost to convey Windy Gap water when the City orders it and the pumping power cost are both anticipated to decrease in 2019.
- **Water Resources Repair and Maintenance – Increase of \$50,000:** This item is used primarily for maintenance of Green Ridge Glade Reservoir. This is being increased in 2019 for possible expenses related to State measurement and recording requirements.
- **Water Quality and Pretreatment Environmental Services – Increase of \$50,000:** In total, there is only an \$11,000 increase in Environmental Services for Water Quality and Pretreatment in 2019, but the allocation has shifted significantly to Water, resulting in this \$50,000 increase in Water and offset by a \$39,000 decrease in Wastewater.
- **Water Treatment Plant Repair and Maintenance – Decrease of \$50,000:** After reviewing actual activity in this account over the past few years, Staff came to the conclusion that this line item was budgeted at too high a level.
- **Non-recurrence of Water Cost-of-Service Rate Study – Decrease of \$50,000:** Our every-three-year cost-of-service rate study for Water and Wastewater is taking place this year and will not recur in 2019.

CAPITAL

The capital program includes expenditures for 2019-2028 of \$162 million for Water and Raw Water. The biggest components of the \$162 million are: 1) \$56 million for engineering and construction of 9,451 acre-feet of storage at Chimney Hollow; 2) \$37 million of rehabilitation and replacement projects for the water distribution system; 3) \$20 million for the construction of two new water storage tanks; and 4) \$29 million for the construction of new water lines. The enclosed 10-Year Financial Projection and 10-Year Capital Plan contain more detailed information.

BEYOND 2019

In the 10-Year Financial Projection, the 9% rate increase for 2018 is followed by one more rate increase of 9% in 2019, then three consecutive rate increases of 8% per year, capped off by five consecutive rate increases of

3.5% per year. This rate track is in accordance with the Council-approved Water Rate Track and Financing Ordinance from August of 2015. (**NOTE: This rate track is subject to change pending the outcome of the cost-of-service rate study.**) The current 10-year projection includes the assumption that existing customers (and new customers as they are added) will not be using more water in the future on a per customer basis than they are using right now. It assumes, in fact, that customers will be using 0.5% less water per year, and that decrease will continue year after year. In looking at our per customer usage trending over the past 5 years, the 0.5% decrease per customer is what we are seeing and believe will continue. Looking at the 10-year window, the Unrestricted fund balance stays positive in comparison to the 15% of operating expenses target throughout the ten-year window.

The bottom section of the 10 Year Financial Plan covers growth-related capital, which is funded by our System Impact Fees (SIF). The current 10-year projection shows the SIF balance staying positive throughout the ten-year timeframe.

WASTEWATER

In accordance with the Wastewater Rate Track and Financing Ordinance that was passed by City Council back in August of 2015, there is an overall average rate increase of 11% proposed for Wastewater in 2019. (**NOTE: This 2019 rate increase is subject to change pending the outcome of the cost-of-service rate study.**) The 11% increase will be primarily to address aging infrastructure and regulatory compliance.

In addition to the capital projects that are detailed in the Wastewater 10-Year Capital Plan, key operating expense drivers (both increases and decreases) that are built into the 2019 budget include:

- **Utility Expenses at the Wastewater Treatment Plant (WWTP) – Increase of \$135,000:** In preparing for the WWTP Expansion and Rehabilitation Project, it was discovered that some of the buildings at the plant were being fed by water lines that were unmetered, so this increase is partly to account for all buildings now having their water usage metered. The increase is also for an increase in electric usage due to the construction.
- **Non-recurrence of Return Activated Sludge (RAS) Pump at WWTP - Decrease of \$56,000:** This is a spare RAS pump for Final Clarifier #3 that is budgeted in 2018 and will not recur in 2019.
- **Non-recurrence of Chemical Dosing Stations at Lift Stations – Decrease of \$130,000:** This was a recurring budget expense for four years until all of the wastewater lift stations had the chemical dosing structures built into them, and that work is expected to be completed in 2018, so the expense will not recur.
- **Non-recurrence of Wastewater Cost-of-Service Rate Study – Decrease of \$50,000:** Our every-three-year cost-of-service rate study for Water and Wastewater is taking place this year and will not recur in 2019.
- **Debt Service for Wastewater \$24.9 Million External Loan – Increase of \$1,500,000:** Executive Fiscal Advisor Alan Krcmarik was able to secure a loan where we do four draws (two in 2017 and two in 2018) that will total \$24.9 million. Since the full \$24.9 million will be drawn by the end of 2018, the debt service in 2019 will be \$1.5 million higher than the 2018 level.
- **Internal Loan Payment to Wastewater SIF Fund - \$1,000,000:** A short-term internal loan from the Wastewater Unrestricted Fund to the Wastewater SIF Fund is slated for 2019. The loan is to help fund growth-related capital projects and is scheduled to be paid back in 2023.

CAPITAL

The capital program includes expenditures for 2019-2028 of \$76 million for Wastewater. The biggest components of the \$64 million are: 1) \$23 million for rehabilitation of wastewater lines; and 2) \$26 million for

construction of new wastewater lines, which includes \$17 for construction of a line extension to State Highway 402 and I-25. The enclosed 10-Year Financial Projection and 10-Year Capital Plan contain more detailed information.

BEYOND 2019

In the 10-Year Financial Projection, there is an 11% rate increase proposed for 2019, and that is followed by three consecutive rate increases of 7% per year, capped off by five consecutive years of 3.5% rate increases per year. This rate track is in accordance with the Council-approved Wastewater Rate Track and Financing Ordinance from August of 2015. (**NOTE: This rate track is subject to change pending the outcome of the cost-of-service rate study.**) The Unrestricted fund balance stays positive in comparison to the 15% of operating expenses target throughout the 10-year period.

The bottom section of the 10 Year Financial Projection covers growth-related capital, which is funded by our System Impact Fees (SIF). The current Wastewater 10 Year Financial Projection shows the SIF balance stays positive until the final year, 2028. The SIF fund balance is buoyed by a short-term internal loan in 2019 and two external loans in 2022 and 2024.

POWER

A 5% overall rate increase is currently proposed for the Power Utility in 2019. PRPA is planning on a 2.0% overall wholesale power rate increase in 2019, which, when passed through to customers, generates a 1.62% retail rate increase. In addition, Staff is recommending a 3.38% increase. This additional 3.38% increase is to help offset the combined impact of the increased costs for the new CIS software and implementation, Health Insurance and Cost Allocations that were discussed earlier, to offset costs associated with the new solar project and the new Foothills Substation that will not be eligible for FEMA or State reimbursement (about \$3.3 million) and to address additional capital needs. So, the entire proposed rate increase for 2019 is $1.62\% + 3.38\% = 5\%$. The 2.0% wholesale rate increase is a figure that is subject to change by the PRPA Board – the proposed increase will first be presented to the Board at their August meeting, then formally presented for the Board's action at their December meeting.

In addition to the capital projects that are detailed in the Power 10-Year Capital Plan, key operating expense drivers (both increases and decreases) for 2019 are:

- **Replace 17 Handheld Radios and Charging Stations for the Power Line Crews – \$55,000:** These radios are more than 20 years old and many of the parts are obsolete and can no longer be purchased.
- **Efficiency Works (EW) for Commercial Customers – Increase of \$100,000:** The success of the commercial energy efficiency projects is at an all-time high. For the last few years, money to fund this program has run out and we've had to turn companies away that were interested in the program. This \$100,000 will be coupled with an additional \$232,000 from PRPA to hopefully provide a full year of funding in 2019.
- **Power Cost-of-Service Rate Study - \$60,000:** 2019 will be time for our every-three-year cost-of-service rate study for Power.

CAPITAL

The capital program includes expenditures for 2019-2028 of \$165 million for Power. The biggest components of the \$165 million are: 1) \$51 million of rehabilitation, replacement and reliability-driven (R,R & R) system improvement projects; 2) \$21 million for developer-requested new construction; 3) \$14 million for extension of an underground transmission line to serve a new substation in the southeast corner of our service territory; 4) \$15 million for expenditures associated with overhead to underground conversions; and 5) \$12 million for

completing the construction of a new substation and adding to existing substation capacity. The enclosed 10-Year Financial Projection and 10-Year Capital Plan contain more detailed information.

BEYOND 2019

Following 2019, the Power 10-Year Financial Projection is showing a rate increase of 5% in 2020, then 3% in 2021 followed by 6 consecutive years of 2% per year. The 5% rate increases in 2019 and 2020 are 1% per year higher than the 4% each year that was supported by City Council at their Study Session held on August 30, 2016. The reasons cited in the first paragraph of the Power section are the drivers for these 1% increases. Platte River Power Authority (PRPA) is projecting 7 years of wholesale power rate increases at 2.0% per year followed by 3 years of 2.8% per year. The primary drivers behind these projected wholesale rate increases are:

- Decommissioning expenses for the Craig Unit 1 generating facility
- Expansion of energy efficiency programs
- New debt financings for capital additions
- Increased fuel expense

These wholesale rate increases from PRPA have been taken into account in the retail rate increases for the 10-Year Financial Projection. PRPA will be quick to tell you that their projections could change, and change dramatically.

The Unrestricted Fund balance stays positive in comparison to the 21%-23% of operating expenses target throughout the 10-year period.

The bottom section of the 10 Year Plan covers growth-related capital, which, for Power, is funded by our Plant Investment Fees (PIF). The PIF fund balance stays positive throughout the 10-year window, as well.

Commission members are encouraged to make any comments or ask questions at the meeting.

RECOMMENDATION:

Adopt a motion indicating support for the proposed 2019 Water and Power budget for City Council's consideration.

ATTACHMENTS:

- Attachment A: 10-Year Financial Plans for Raw Water, Water, Wastewater and Power
- Attachment B: 10-Year Capital Improvement Plans for Water, Wastewater and Power

Attachment A

1 LOVELAND WATER AND POWER

3 RAW WATER FUNDING

4 FINANCIAL FORECAST

5 2019-2028

			3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%		A	% of Water Sales Transferred to Raw Water Fund
			2.70%	3.00%	2.80%	2.70%	2.80%	3.30%	3.50%	3.70%	3.80%	3.90%		C	Interest on Investments
			0.00%	4.25%	4.25%	4.25%	4.25%	4.25%	4.25%	4.25%	4.25%	4.25%		D	Inflation Rate on Water & Wastewater Specific Projects
			1.29%	1.00%	1.78%	1.78%	1.73%	1.69%	1.66%	1.62%	1.57%	1.47%		E	Growth from New Development
			9.00%	8.00%	8.00%	8.00%	3.50%	3.50%	3.50%	3.50%	3.50%	3.50%		F	Water Sales Rate Increase
			-0.50%	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%		G	Usage Increase / (Decrease) Per Customer
			7.00%	7.00%	7.00%	7.00%	7.00%	7.00%	7.00%	7.00%	7.00%	7.00%		H	Payment in Lieu of Taxes (PILT)
			0.00%	3.50%	3.50%	3.50%	3.50%	3.50%	3.50%	3.50%	3.50%	3.50%		I	General Inflation Rate

10

11

	Final 2017	Budget 2018	Forecast 2018	Budget 2019	Projected 2020	Projected 2021	Projected 2022	Projected 2023	Projected 2024	Projected 2025	Projected 2026	Projected 2027	Projected 2028	2019 to 2028 Total	A	B	C	D	E	F	G	H	I	
15 BEGINNING BALANCE	\$20,860,637	\$25,517,761	\$25,517,761	\$22,293,614	\$5,853,944	\$4,771,992	\$4,238,129	\$3,247,848	\$3,011,746	\$2,834,419	\$2,708,588	\$2,636,690	\$2,618,739	\$22,293,614										
17 Revenue Transfer from Water Rates	\$445,202	\$491,220	\$491,220	\$541,090	\$587,080	\$641,570	\$701,100	\$734,270	\$768,700	\$804,520	\$841,690	\$880,160	\$919,500	\$7,419,680										
18 Hi-Use Surcharge	138,206	74,667	74,667	73,118	73,850	75,160	76,500	77,820	79,140	80,450	81,750	83,030	84,250	785,068				Y						
19 Raw Water Devlpmnt Fees/Cap Rec Srchg	362,217	513,926	462,533	484,188	366,772	373,301	403,946	410,934	417,879	424,815	431,697	438,475	444,921	4,196,928										
20 Cash-in-Lieu	120,972	527,084	210,834	227,167	229,440	233,520	237,680	241,790	245,880	249,960	254,010	258,000	261,790	2,439,237				Y						
21 Native Raw Water Storage Fees Received	489,608	31,598	31,598	196,876	198,840	202,380	205,980	209,540	213,080	216,620	220,130	223,590	226,880	2,113,916				Y						
22 Transfer from General Funds	3,078	1,026	1,026	1,026	1,030	1,030	1,030	1,030	1,030	1,030	1,030	1,030	1,030	10,296										
23 Water Loan Payments Received	4,161,687	32,500	0	0	0	0	0	0	0	0	0	0	0	0										
24 Interest on Investments	223,485	351,950	175,975	300,965	175,620	133,620	114,430	90,940	99,390	99,200	100,220	100,190	102,130	1,316,705			Y							
25 External Loan Received - 30 years at %	0	0	0	27,880,000	0	0	0	0	0	0	0	0	0	27,880,000										
26 External Loan Received - CWCB 30 years at %	0	0	0	9,680,000	0	0	0	0	0	0	0	0	0	9,680,000										
27 Total Revenues	\$5,944,456	\$2,023,971	\$1,447,853	\$39,384,430	\$1,632,632	\$1,660,581	\$1,740,666	\$1,766,324	\$1,825,099	\$1,876,595	\$1,930,527	\$1,984,475	\$2,040,501	\$55,841,829										
28 Operating Expenses																								
29 Windy Gap Annual Administration Fee	7,044	7,100	7,100	7,100	7,100	7,100	7,100	7,100	7,100	7,100	7,100	7,100	7,100	71,000										
30 External Loan Payment - Joint Financing	0	0	0	0	1,495,054	1,495,054	1,495,054	1,495,054	1,495,054	1,495,054	1,495,054	1,495,054	1,495,054	13,455,486										
31 External Loan Payment - CWCB	0	0	0	0	0	0	500,272	500,272	500,272	500,272	500,272	500,272	500,272	3,501,904										
32 TOTAL OPERATING EXPENSES (excl depn)	\$7,044	\$7,100	\$7,100	\$7,100	\$1,502,154	\$1,502,154	\$2,002,426	\$17,028,390																
33 NET OPERATING REVENUE/(LOSS) (excl depn)	\$5,937,412	\$2,016,871	\$1,440,753	\$39,377,330	\$130,478	\$158,427	(\$261,760)	(\$236,102)	(\$177,327)	(\$125,831)	(\$71,899)	(\$17,951)	\$38,075	\$38,813,439										
34 FOOTNOTE: Depreciation Expense	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0											
35 Capital Expenditures																								
36 Low Flow Reservoir Release (re-appropriation)	0	0	(60,000)	0	0	0	0	0	0	0	0	0	0	0										
37 Windy Gap Firming (W038AA)	(1,260,713)	(1,500,000)	(1,100,000)	(55,560,000)	0	0	0	0	0	0	0	0	0	(55,560,000)				Y						
38 Future Water Court Transfer Actions	0	(100,000)	(204,900)	(100,000)	(104,250)	0	0	0	0	0	0	0	0	0	(204,250)			Y						
39 Purchase CBT Water	0	(500,000)	0	0	(521,250)	(543,400)	(566,500)	0	0	0	0	0	0	0	(1,631,150)			Y						
40 Downstream Storage	(19,575)	(3,300,000)	(3,300,000)	0	0	0	0	0	0	0	0	0	0	0	0			Y						
41 Downstream Storage - Armoring Construct	0	0	0	(125,000)	(136,570)	(148,890)	0	0	0	0	0	0	0	0	(410,460)									
42 Downstream Storage - Armoring (continued) Constr	0	0	0	0	0	0	(162,020)	0	0	0	0	0	0	0	(162,020)									
43 Downstream Storage - Phase 2 Design/SDC																								

Water 10 Year - City Version

1 LOVELAND WATER AND POWER
2 WATER UTILITY
3 FINANCIAL FORECAST
4 2019 - 2028

			3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	A	% of Water Sales Transferred to Raw Water Fund			
			0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	B	Future Raw Water Prj's % growth/year			
			2.70%	3.00%	2.80%	2.70%	2.80%	3.30%	3.50%	3.70%	3.80%	3.90%	C	Interest on Investments			
			0.00%	4.25%	4.25%	4.25%	4.25%	4.25%	4.25%	4.25%	4.25%	4.25%	D	Inflation Rate on Water & Wastewater Specific Projects			
			1.29%	1.00%	1.78%	1.78%	1.73%	1.69%	1.66%	1.62%	1.57%	1.47%	E	Growth from New Development			
			9.00%	8.00%	8.00%	8.00%	3.50%	3.50%	3.50%	3.50%	3.50%	3.50%	F	Water Sales Rate Increase			
			-0.50%	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%	G	Usage Increase / (Decrease) Per Customer			
			7.00%	7.00%	7.00%	7.00%	7.00%	7.00%	7.00%	7.00%	7.00%	7.00%	H	Payment in Lieu of Taxes (PILT)			
			0.00%	3.50%	3.50%	3.50%	3.50%	3.50%	3.50%	3.50%	3.50%	3.50%	I	General Inflation Rate			
			26,351	26,404	26,404	27,143	27,414	27,902	28,399	28,890	29,379	29,866	30,350	30,827	31,280		
			Final 2017	Budget 2018	Forecast 2018	Budget 2019	Projected 2020	Projected 2021	Projected 2022	Projected 2023	Projected 2024	Projected 2025	Projected 2026	Projected 2027	Projected 2028	2019 to 2028 Total	
																A B C D E F G H I J	
14 Unrestricted Funds																	
15 BEG'G WORKING CASH BALANCE:	\$10,179,203	\$6,775,951	\$6,775,951	\$4,452,413	\$3,054,339	\$2,852,173	\$3,081,536	\$4,264,314	\$5,362,669	\$6,304,888	\$8,935,705	\$9,188,316	\$6,468,001	\$4,452,413			
16 REVENUES & SOURCES:																	
17 Water Sales	\$14,840,067	\$16,373,997	16,373,997	18,036,387	\$19,569,480	\$21,385,530	\$23,370,110	\$24,475,520	\$25,623,420	\$26,817,470	\$28,056,440	\$29,338,620	\$30,650,060	\$247,323,037			
18 Water Sales Transferred to Raw Water Fund	(445,200)	(491,220)	(491,220)	(541,090)	(587,080)	(641,570)	(701,100)	(734,270)	(768,700)	(804,520)	(841,690)	(880,160)	(919,500)	(7,419,680)	Y		
19 Wholesale Sales	158,650	161,307	161,307	184,475	186,320	189,640	193,020	196,360	199,680	202,990	206,280	209,520	212,600	1,980,885		Y	
20 Meter Sales	77,554	94,722	94,722	92,269	97,110	102,970	109,180	115,710	122,580	129,820	137,440	145,440	153,760	1,206,279		Y	Y
21 Interest on investments	106,683	89,770	89,770	120,220	91,630	80,170	83,200	119,400	176,970	220,670	330,620	349,160	252,250	1,824,290			
22 Hydrant Rental	112,813	111,350	111,350	117,083	127,620	140,100	153,800	161,840	170,240	179,020	188,190	197,730	207,560	1,643,183			Y
23 Other revenues	390,379	729,297	991,755	468,138	250,570	275,080	301,980	317,770	334,260	351,510	369,510	388,240	407,540	3,464,598		Y	Y
24 External Loan - Water Tank	0	0	0	0	1,000,000	0	0	0	0	0	0	0	0	1,000,000			
25 General Fund Contribution	751,017	750,000	750,000	750,000	750,000	750,000	0	0	0	0	0	0	0	2,250,000			
26 TOTAL REVENUES	\$15,991,963	\$17,819,224	\$18,081,682	\$19,227,482	\$21,485,650	\$22,281,920	\$23,510,190	\$24,652,330	\$25,858,450	\$27,096,960	\$28,446,790	\$29,748,550	\$30,964,270	\$253,272,592			
27 OPERATING EXPENSES:																	
28 Source of Supply	1,752,441	\$2,791,273	\$2,810,905	2,666,829	2,760,170	2,856,780	2,956,770	3,060,260	3,167,370	3,278,230	3,392,970	3,511,720	3,634,630	31,285,729			
29 Treatment	2,918,089	3,792,005	3,792,005	3,916,495	4,092,740	4,308,840	4,536,350	4,773,600	5,021,350	5,280,450	5,550,810	5,832,240	6,122,100	49,434,975		Y	
30 Treatment O&M Projects	0	6,000	41,613	0	41,700	163,020	0	0	0	128,370	0	0	0	333,090			Y
31 Distribution oper. & maint.	3,233,849	4,057,420	4,057,420	4,054,953	4,237,430	4,461,170	4,696,720	4,942,360	5,198,870	5,467,130	5,747,050	6,038,430	6,338,540	51,182,653			Y
32 Distribution O&M Projects	0	0	162,652	50,000	0	81,510	0	0	0	970,230	0	0	0	1,101,740			
33 Customer Relations	320,863	392,670	421,933	414,527	429,040	444,060	459,600	475,690	492,340	509,570	527,400	545,860	564,970	4,863,057			Y
34 Administrative	452,781	594,853	594,853	541,052	559,990	579,590	599,880	620,880	642,610	665,100	688,380	712,470	737,410	6,347,362			
35 Administrative O&M Projects	\$0	1,964,013	1,264,516	\$1,295,941	\$0	\$54,340	\$0	\$0	\$61,570	\$0	\$69,760	\$0	\$0	1,481,611			
36 Workers Comp & Gen'l Liability	0	185,590	185,590	289,470	299,600	310,090	320,940	332,170	343,800	355,830	368,280	381,170	394,510	3,395,860			
37 1% for Arts Transfer	17,452	6,700	73,314	21,520	39,745	33,012	37,361	42,610	47,622	33,600	49,414	90,926	55,231	451,042			
38 Internal Loan Payment (incl's interest)	4,908,116	827,500	795,000	783,750	772,500	761,250	0	0	0	0	0	0	0	2,317,500			
39 External Loan Payment (incl's interest)	1,102,571	1,015,150	1,015,150	1,015,685	1,015,593	1,014,885	1,013,527	1,011,542	1,013,929	1,010,529	1,011,502	1,011,687	1,016,074	10,134,953			
40 External Loan Pymt - Water Tank	0	0	0	0	0	63,200	63,200	63,200	63,200	63,200	63,200	63,200	63,200	505,600			
41 Payment in-lieu of taxes PILT (7% of Water Sales)	1,007,641	1,111,790	1,111,790	1,224,670	1,328,770	1,452,080	1,586,830	1,661,890	1,739,830	1,820,910	1,905,030	1,992,090	2,081,140	16,793,240			
42 Services rendered-other depts.	1,460,154	1,295,086	1,295,086	1,240,823	1,284,250	1,329,200	1,375,720	1,423,870	1,473,710	1,525,290	1,578,680	1,633,930	1,691,120	14,556,593			Y
43 TOTAL OPERATING EXP'S (excl depn)	\$17,173,957	\$1															

2019 Wastewater 10 Year Budget - City Version

1 LOVELAND WATER AND POWER				2.70%	3.00%	2.80%	2.70%	2.80%	3.30%	3.50%	3.70%	3.80%	3.90%		A Interest on Investments			
2 WASTEWATER UTILITY				0.00%	4.25%	4.25%	4.25%	4.25%	4.25%	4.25%	4.25%	4.25%	4.25%		B Inflation Rate on Water & Wastewtr Specific Projects			
3 FINANCIAL FORECAST - 10 Year Plan				1.29%	1.00%	1.78%	1.78%	1.73%	1.69%	1.66%	1.62%	1.57%	1.47%		C Growth from New Development			
4 2019-2028				11.00%	7.00%	7.00%	7.00%	7.00%	3.50%	3.50%	3.50%	3.50%	3.50%		D Wastewater Sales Rate Increase			
5				-0.50%	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%	-0.50%		E Usage Increase / (Decrease) Per Customer			
6				7.00%	7.00%	7.00%	7.00%	7.00%	7.00%	7.00%	7.00%	7.00%	7.00%		F Payment in Lieu of Taxes (PILT)			
7				3.50%	3.50%	3.50%	3.50%	3.50%	3.50%	3.50%	3.50%	3.50%	3.50%		G General Inflation Rate			
8				34,988	35,340	35,970	36,610	37,240	37,870	38,500	39,120	39,730	40,310		H Wastewater Customers			
9	Preliminary	Adopted	Forecast	Projected	Projected	Projected	Projected	Projected	Projected	Projected	Projected	Projected	Projected	2019 to 2028				
10	Final	Budget	(incl Rollovers)	Budget	2020	Projected	2021	Projected	2023	Projected	2024	Projected	2025	Projected	Total	A B C D E F G H		
11	2017	2018	2018	2019														
12 Unrestricted Funds																		
13 BEGINNING WRKG CASH BAL:	\$12,276,048	\$9,831,249	\$9,831,249	\$4,797,615	\$3,783,013	\$4,347,582	\$6,158,963	\$2,251,139	\$6,048,290	\$2,063,887	\$3,560,116	\$6,043,441	\$9,225,266					
14 REVENUES & SOURCES:																		
15 Wastewater Sales	11,217,566	\$12,620,160	\$12,620,160	14,062,828	\$15,117,540	\$16,369,270	\$17,724,650	\$18,563,030	\$19,433,640	\$20,339,250	\$21,278,920	\$22,251,370	\$23,246,010	\$188,386,508		Y Y Y		
16 Hi Strength Surcharge	454,196	393,240	393,240	427,327	429,460	434,960	440,530	445,950	451,260	456,490	461,600	466,540	471,070	\$4,485,187		Y Y		
17 Interest on investments	129,483	88,800	44,780	38,862	34,047	36,699	50,415	19,836	61,434	23,829	42,357	72,402	112,164	\$492,045				
18 Other revenues	\$91,938	763,089	41,214	1,187,974	34,150	34,760	35,380	35,990	36,600	37,210	37,810	38,400	38,960	\$1,517,234		Y		
19 WWTP Expansion Loan Received-External	\$340,380	0	\$15,659,620	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0				
20 SIF Loan Repayment to General-Internal P&I	0	0	0	0	30,000	32,500	35,000	1,037,500	0	0	0	0	0	\$1,135,000				
21 Grants	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0				
22 Year-end cash adjustments	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0				
23 TOTAL REVENUES & SOURCES	\$12,233,563	\$13,865,289	\$28,759,014	\$15,716,991	\$15,645,197	\$16,908,189	\$18,285,975	\$20,102,306	\$19,982,934	\$20,856,779	\$21,820,687	\$22,828,712	\$23,868,204	\$196,015,974				
24 OPERATING EXPENSES:																		
25 Treatment	\$3,488,231	\$4,325,034	4,325,034	\$4,134,146	\$4,320,180	\$4,548,290	\$4,788,440	\$5,038,880	\$5,300,400	\$5,573,900	\$5,859,280	\$6,156,350	\$6,462,320	\$52,182,186			Y	
26 Treatment O&M Projects	0	0	0	352,500	250,000	0	0	0	0	0	0	0	0	602,500		Y		
27 Collection System Maintenance	2,210,946	3,252,092	3,309,268	3,166,761	3,309,270	3,484,000	3,667,960	3,859,790	4,060,110	4,269,610	4,488,210	4,715,760	4,950,130	39,971,601		Y		
28 Collection System O&M Projects	0	75,000	75,000	35,000	0	0	0	100,000	0	0	0	0	0	135,000		Y		
29 Customer Relations	37,829	50,113	50,854	57,128	59,130	61,200	63,340	65,560	67,850	70,220	72,680	75,220	77,850	670,178			Y	
30 Administrative	258,818	388,650	483,758	285,422	295,410	305,750	316,450	327,530	338,990	350,850	363,130	375,840	388,990	3,348,362			Y	
31 Administrative O&M	0	1,263,153	1,263,153	306,362	59,940	62,490	65,150	67,920	70,800	73,810	76,950	80,220	83,630	947,272			Y	
32 Workers Comp and Gen'l Liability	0	136,730	136,730	192,010	198,730	205,690	212,890	220,340	228,050	236,030	244,290	252,840	261,690	2,252,560			Y	
33 1% for the Arts	60,327	60,390	255,989	37,500	31,800	25,540	69,000	28,350	99,740	51,350	44,830	41,850	0	429,960			Y	
34 Payment in-lieu-of taxes PILT (7% of Sales)	817,023	910,940	910,940	1,014,310	1,088,290	1,176,300	1,271,560	1,330,630	1,391,940	1,455,700	1,521,840	1,590,250	1,660,200	13,501,020			Y	
35 WWTP Expansion Loan-External - P&I	47,057	88,819	88,819	1,063,178	1,063,950	1,064,234	3,190,789	1,061,435	1,063,897	1,062,090	1,062,572	1,061,997	1,114,984	12,809,126				
36 Loan to SIF-Internal - P&I	0	0	0	1,000,000	0	0	0	0	0	0	0	0	0	1,000,000				
37 Budgeted Expenses Reduction	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
38 Services rendered-other depts.	696,741	621,976	621,976	736,596	804,148	903,978	935,620	968,370	1,002,260	1,037,340	1,073,650	1,111,230	1,150,120	9,723,312				
39 TOTAL OPERAT'G EXP (excl depn)	\$7,616,972	\$11,172,897	\$11,521,521	\$12,380,913	\$11,480,848	\$11,837,472	\$14,581,199	\$13,068,805	\$13,624,037	\$14,180,900	\$14,807,432	\$15,461,557	\$16,149,914	\$137,573,077				
40 NET OPERAT'G REV/(LOSS) (excl depn)	\$4,616,591	\$2,692,392	\$17,237,493	\$3,336,078	\$4,164,349	\$5,070,717	\$3,704,776	\$7,033,501	\$6,358,897	\$6,675,879	\$7,013,255	\$7,367,155	\$7,718,290	\$58,442,896				
41 FOOTNOTE: Depreciation Expense	2,339,534	2,421,417	2,506,167	2,593,883	2,684,669	2,778,632	2,875,884	2,976,540	3,080,719	3,188,544	3,300,143	3,415,648	3,535,196	\$30,429,860				
42 CAPITAL EXPENDITURES	7,061,390	\$6,534,310	\$22,271,127	\$4,350,680	\$3,599,780	\$3,259,336	\$7,612,600	\$3,236,350	\$10,343,300	\$5,179,650	\$4,529,930	\$4,185,330	\$1,247,147	\$47,544,103		Y		
43 NET CHANGE IN WRKG CASH BAL	(\$2,444,799)	(\$3,841,918)	(\$5,033,634)	(\$1,014,602)	\$564,569	\$1,811,381 </												

Power 10 Year - For City

1 LOVELAND WATER AND POWER			2.70%	3.00%	2.80%	2.70%	2.80%	3.30%	3.50%	3.70%	3.80%	3.90%		A Interest on Investments			
2 POWER UTILITY			3.50%	2.75%	2.75%	2.75%	2.75%	2.75%	2.75%	2.75%	2.75%	2.75%		B General Inflation Rate			
3 FINANCIAL FORECAST - Contract version			3.50%	3.50%	3.50%	3.50%	3.50%	3.50%	3.50%	3.50%	3.50%	3.50%		C Inflation Rate on Power Utility Specific Projects			
4 2019-2028			1.29%	1.00%	1.78%	1.78%	1.73%	1.69%	1.66%	1.62%	1.57%	1.47%		D Growth from New Development			
5			0.00%	-0.10%	-0.20%	-0.30%	-0.40%	-0.50%	-0.60%	-0.70%	-0.80%	-0.90%		E Energy/Demand Increase/(Decrease) Per Customer			
7			2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%		F PRPA Wholesale Rate Increase			
8			1.62%	1.62%	1.62%	1.62%	1.62%	1.62%	1.62%	1.62%	1.62%	1.62%		G1 Power Sales Rate Increase Due to PRPA Rate Incr.			
9			3.38%	3.38%	1.38%	0.38%	0.38%	0.38%	0.38%	0.38%	-0.27%	-0.27%		G2 Power Sales Rate Increase Due to Dept Needs			
10			5.00%	5.00%	3.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%		G Total Power Sales Rate Increase			
11			7.00%	7.00%	7.00%	7.00%	7.00%	7.00%	7.00%	7.00%	7.00%	7.00%		H Payment in Lieu of Taxes (PILT)			
12			37,731	37,731	38,218	38,600	39,287	39,986	40,678	41,365	42,052	42,733	43,404	44,042	J Power Customers		
13			Adopted														
14			Actual	Budget	Forecast	Budget	Projected	2019 to 2028									
15			2017	2018	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	A B C D E F G H I	
16	<u>Unrestricted Funds</u>																
17	BEGINNING WORKING CASH BALANCE:	\$18,158,794	\$20,235,611	\$20,235,611	\$14,725,337	\$14,019,780	\$16,687,021	\$17,211,885	\$20,245,484	\$24,444,438	\$27,527,396	\$31,758,457	\$29,734,159	\$27,831,441			
18	REVENUES & SOURCES:																
19	Power Sales	\$61,144,148	\$65,420,510	\$65,420,510	\$68,256,630	\$72,283,770	\$75,594,370	\$78,225,050	\$80,829,940	\$83,408,420	\$85,960,720	\$88,470,770	\$90,921,410	\$93,258,090	\$817,209,170		
20	Wheeling charges	265,465	260,000	260,000	265,000	267,390	271,610	275,630	279,300	282,620	285,620	288,250	290,470	292,130	\$2,798,020		
21	Interest on investments	200,818	258,420	258,420	397,580	420,590	467,240	464,720	566,870	806,670	963,460	1,175,060	1,129,900	1,085,430	\$7,477,520	Y	
22	Aid-To-Construction deposits	1,918,713	1,530,000	1,530,000	1,610,000	1,666,350	1,938,920	2,006,780	2,077,010	2,149,710	2,224,950	2,302,830	2,383,420	2,466,840	\$20,826,810		
23	Customer deposits - Service Installations	212,407	310,000	310,000	310,000	320,850	332,080	343,710	355,740	368,180	381,060	394,400	408,210	422,490	\$3,636,720		
24	Other revenues	1,596,956	930,230	930,230	1,006,572	1,016,640	1,034,740	1,053,160	1,071,380	1,089,490	1,107,580	1,125,520	1,143,190	1,159,990	\$10,808,262		
25	FEMA and CIRSA Revenue	3,045,366	426,000	637,831	0	0	0	0	0	0	0	0	0	0	\$0		
26	Year-end cash adjustments	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0		
27	TOTAL REVENUES	\$68,383,873	\$69,135,160	\$69,346,991	\$71,845,782	\$75,975,590	\$79,638,960	\$82,369,050	\$85,180,240	\$88,105,090	\$90,923,390	\$93,756,830	\$96,276,600	\$98,684,970	\$862,756,502		
28	OPERATING EXPENSES:																
29	Hydro oper. & maint.	\$627,718	1,309,821	\$1,309,821	\$1,307,729	\$1,645,000	\$1,645,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$4,597,729		
30	Solar Oper & Maint	39,140	90,000	90,000	90,000	92,480	95,020	97,630	100,310	103,070	105,900	108,810	111,800	114,870	\$1,019,890	Y	
31	Purchased power	42,489,833	44,079,146	44,079,146	44,761,779	46,068,820	47,736,510	49,426,380	51,111,820	52,793,400	54,472,230	56,574,860	58,685,100	60,768,420	\$52,399,319		
32	Distribution oper. & maint.	4,573,697	5,573,574	5,617,230	5,911,013	6,040,200	6,218,800	6,402,880	6,589,420	6,778,920	6,971,970	7,167,840	7,365,690	7,561,650	\$67,008,383	Y	
33	Customer Relations	1,145,525	1,528,241	1,528,241	1,643,806	1,689,010	1,735,460	1,783,190	1,832,230	1,882,620	1,934,390	1,987,590	2,042,250	2,098,410	\$18,628,956	Y	
34	Administration	687,080	864,993	779,493	1,253,114	1,287,570	1,322,980	1,359,360	1,396,740	1,435,150	1,474,620	1,515,170	1,556,840	1,599,650	\$14,201,194	Y	
35	Administration - O&M - One Time Expenses	0	2,952,961	5,452,961	60,000	0	100,000	49,890	800,000	200,000	55,320	0	0	61,330	\$1,326,540		
36	Workers Comp and Gen'l Liability	0	284,773	284,773	283,285	291,080	299,080	307,300	315,750	324,430	333,350	342,520	351,940	361,620	\$3,210,355	Y	
37	1% For the Arts Transfer	87,898	52,044	52,044	67,203	56,252	86,234	82,045	67,704	90,383	91,088	154,200	150,379	139,220	\$984,708	Y	
38	Payment in-lieu of taxes PILT (7.0% of Power Sales)	4,234,135	4,579,440	4,579,440	4,777,960	5,059,860	5,291,610	5,475,750	5,658,100	5,838,590	6,017,250	6,192,950	6,364,500	6,528,070	\$57,204,640		
39	Services rendered-other depts.	2,689,200	2,483,026	2,483,026	2,600,620	2,756,657	2,955,250	3,036,520	3,120,020	3,205,820	3,293,980	3,384,560	3,477,640	3,573,280	\$31,404,347	Y	
40	TOTAL OPERATING EXPENSES (excl depn)	\$56,574,226	\$63,798,019	\$66,256,175	\$62,756,509	\$64,986,929	\$67,485,944	\$68,020,945	\$70,992,094	\$72,652,383	\$74,750,098	\$77,428,500	\$80,106,139	\$82,806,520	\$721,986,062		
41	NET OPERATING REVENUE/(LOSS) (excl depn)	\$11,809,647	\$5,337,141	\$3,090,816	\$9,089,273	\$10,988,661	\$12,153,016	\$14,348,105	\$14,188,146	\$15,452,707	\$16,173,292	\$16,328,330	\$16,170,461	\$15,878,450	\$140,770,440		
42	FOOTNOTE: Depreciation Expense	0	\$4,366,320	0	4,302,760	4,801,820	5,267,070	5,793,470	6,321,490	6,860,460	7,486,640	8,178,120	8,862,880	9,577,830	\$67,452,540		
43	CAPITAL EXPENDITURES:																
44	General Plant	\$12,156,523	\$206,090	\$206,090	\$564,580	\$98,330	\$101,770	\$105,330	\$10								

Attachment B

Water 10 Year Capital Budget - For City

1	Project	Proj #	Type	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	5-Year Total (2019-2023)	10-Year Total (2019-2028)	Raw Water	General Unrestricted	SIF - Restricted	
2																			
3	TRANSMISSION/DISTRIBUTION PROJECTS																		
4																			
5	Water Main Replacement Projects																		
6	Right of Way Relocates	W1902C	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%	0%	
7		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0%	100%	0%	
8	2019 Water Line Replacement - Design/SDC	0	Design/SDC	0	0	0	0	0	0	0	0	0	0	0	0	0%	100%	0%	
9	2019 Water Line Replacement - Construct	0	Construct	0	0	0	0	0	0	0	0	0	0	0	0	0%	100%	0%	
10	2020 Water Line Replacement (Sherri Mar)- Design/SDC	W1903C	Design/SDC	112,000	116,760	0	0	0	0	0	0	0	0	0	228,760	228,760	0%	100%	0%
11	2020 Water Line Replacement (Sherri Mar) - Construct	W1903C	Construct	0	1,459,500	0	0	0	0	0	0	0	0	0	1,459,500	1,459,500	0%	100%	0%
12	2021 Water Line Replacement (Taft Ave) - Design/SDC	0	Design/SDC	0	116,760	121,720	0	0	0	0	0	0	0	0	238,480	238,480	0%	100%	0%
13	2021 Water Line Replacement (Taft Ave) - Construct	0	Construct	0	0	1,521,530	0	0	0	0	0	0	0	0	1,521,530	1,521,530	0%	100%	0%
14	2022 Water Line Replacement - Design/SDC	0	Design/SDC	0	0	217,360	226,600	0	0	0	0	0	0	0	443,960	443,960	0%	100%	0%
15	2022 Water Line Replacement - Construct	0	Construct	0	0	0	2,832,490	0	0	0	0	0	0	0	2,832,490	2,832,490	0%	100%	0%
16	2023 Water Line Replacement - Design/SDC	0	Design/SDC	0	0	0	169,950	177,170	0	0	0	0	0	0	347,120	347,120	0%	100%	0%
17	2023 Water Line Replacement - Construct	0	Construct	0	0	0	0	2,952,870	0	0	0	0	0	0	2,952,870	2,952,870	0%	100%	0%
18	2024 Water Line Replacement - Design/SDC	0	Design/SDC	0	0	0	0	177,170	184,700	0	0	0	0	0	177,170	361,870	0%	100%	0%
19	2024 Water Line Replacement - Construct	0	Construct	0	0	0	0	0	3,078,370	0	0	0	0	0	0	3,078,370	0%	100%	0%
20	2025 Water Line Replacement - Design/SDC	0	Design/SDC	0	0	0	0	0	184,700	240,690	0	0	0	0	0	425,390	0%	100%	0%
21	2025 Water Line Replacement - Construct	0	Construct	0	0	0	0	0	0	3,209,200	0	0	0	0	0	3,209,200	0%	100%	0%
22	2026 Water Line Replacement - Design/SDC	0	Design/SDC	0	0	0	0	0	0	240,690	250,920	0	0	0	0	491,610	0%	100%	0%
23	2026 Water Line Replacement - Construct	0	Construct	0	0	0	0	0	0	0	3,345,590	0	0	0	0	3,345,590	0%	100%	0%
24	2027 Water Line Replacement - Design/SDC	0	Design/SDC	0	0	0	0	0	0	0	250,920	261,580	0	0	0	512,500	0%	100%	0%
25	2027 Water Line Replacement - Construct	0	Construct	0	0	0	0	0	0	0	0	3,487,780	0	0	0	3,487,780	0%	100%	0%
26	2028 Water Line Replacement - Design/SDC	0	Design/SDC	0	0	0	0	0	0	0	0	261,580	272,700	0	534,280	0%	100%	0%	
27	2028 Water Line Replacement - Construct	0	Construct	0	0	0	0	0	0	0	0	0	3,636,010	0	3,636,010	0%	100%	0%	
28	2028 Water Line Replacement - Design/SDC	0	Design/SDC	0	0	0	0	0	0	0	0	0	218,160	0	218,160	0%	100%	0%	
29																			
30	24" & 48" Cathodic Protection Installation Design/SDC	0	Design/SDC	0	33,360	34,780	0	0	0	0	0	0	0	0	68,140	68,140	0%	100%	0%
31	24" & 48" Cathodic Protection Installation Construct	0	Construct	0	0	434,720	0	0	0	0	0	0	0	0	434,720	434,720	0%	100%	0%
32	34" Waterline Valve Insertions Design/SDC	0	Design/SDC	0	0	17,390	0	0	0	0	0	0	0	0	17,390	17,390	0%	100%	0%
33	34" Waterline Valve Insertions Construct	0	Construct	0	0	217,360	0	0	0	0	0	0	0	0	217,360	217,360	0%	100%	0%
34	36" Transmission Line Relining Design/SDC	0	Design/SDC	0	0	0	0	0	0	0	417,530	435,270	0	0	0	852,800	0%	100%	0%
35	36" Transmission Line Relining Construct	0	Construct	0	0	0	0	0	0	0	0	5,440,930	0	0	0	5,440,930	0%	100%	0%
36		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0%	0%	0%	
37	New water lines		0																
38	16" Mtn View Discharge in Boyd Lake Ave Design/SDC	W1704D	Design/SDC	65,000	0	0	0	0	0	0	0	0	0	0	65,000	65,000	0%	0%	100%
39	16" Mtn View Discharge in Boyd Lake Ave Construct	W1704D	Construct	650,000	0	0	0	0	0	0	0	0	0	0	650,000	650,000	0%	0%	100%

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1	Project	Proj #	Type	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	5-Year Total (2019-2023)	10-Year Total (2019-2028)	Raw Water	General Unrestricted	SIF - Restricted		
41		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0%	20%	80%		
42	East Gravity Zone 24" Phase 1 St Louis Design/SDC	W1016D	Design/SDC	0	0	317,350	217,540	0	0	0	0	0	0	534,890	534,890	0%	20%	80%		
43	East Gravity Zone 24" Phase 1 St Louis Construct	W1016D	Construct	0	0	0	2,719,190	0	0	0	0	0	0	2,719,190	2,719,190	0%	20%	80%		
44	East Gravity Zone 24" Phase 2 28th St SW Taft to Garfield Design/SDC	W1017D	Design/SDC	0	0	0	267,390	160,640	0	0	0	0	0	428,030	428,030	0%	20%	80%		
45	East Gravity Zone 24" Phase 2 28th St SW Taft to Garfield Construct	W1017D	Construct	0	0	0	0	2,007,950	0	0	0	0	0	2,007,950	2,007,950	0%	20%	80%		
46	East Gravity Zone 24" Phase 3 Garfield to 402 Design/SDC	0	Design/SDC	0	0	0	0	0	0	567,390	457,680	0	0	0	1,025,070	0%	20%	80%		
47	East Gravity Zone 24" Phase 3 Garfield to 402 Construct	0	Construct	0	0	0	0	0	0	0	5,720,960	0	0	0	5,720,960	0%	20%	80%		
48		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0%	0%	100%		
49	16" in Granite (57th to 50th) (Ranch Acres) Design/SDC	0	Design/SDC	0	0	0	0	0	0	45,190	47,110	0	0	0	92,300	0%	50%	50%		
50	16" in Granite (57th to 50th) (Ranch Acres) Construct	0	Construct	0	0	0	0	0	0	0	588,820	0	0	0	588,820	0%	50%	50%		
51		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0%	10%	90%		
52	402 Waterline Extension Design/SDC	0	Design/SDC	0	0	0	169,950	0	0	0	0	0	0	169,950	169,950	0%	0%	100%		
53	402 Waterline Extension Design/SDC	0	Design/SDC	0	0	0	0	803,180	837,320	0	0	0	0	803,180	1,640,500	0%	0%	100%		
54	402 Waterline Extension Construct	0	Construct	0	0	0	0	0	10,466,450	0	0	0	0	0	10,466,450	0%	0%	100%		
55		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0%	0%	100%		
56	16" P8 Extension (South of 34, Lot 1) Design/SDC	0	Design/SDC	0	0	52,170	0	0	0	0	0	0	0	52,170	52,170	0%	0%	100%		
57	16" P8 Extension (South of 34, Lot 1) Construction	0	Construct	0	0	326,040	0	0	0	0	0	0	0	326,040	326,040	0%	0%	100%		
58	16" P8 Extension (South of 34, Lot 2) Design/SDC	0	Design/SDC	0	0	0	54,380	0	0	0	0	0	0	54,380	54,380	0%	0%	100%		
59	16" P8 Extension (South of 34, Lot 2) Construction	0	Construct	0	0	0	339,900	0	0	0	0	0	0	339,900	339,900	0%	0%	100%		
60	16" P8 Extension (South of 34, Lot 3) Design/SDC	0	Design/SDC	0	0	0	0	113,390	0	0	0	0	0	113,390	113,390	0%	0%	100%		
61	16" P8 Extension (South of 34, Lot 3) Construction	0	Construct	0	0	0	0	708,690	0	0	0	0	0	708,690	708,690	0%	0%	100%		
62	16" P8 Extension (Under 34) Design/SDC	0	Design/SDC	0	0	0	0	70,870	73,880	0	0	0	0	70,870	144,750	0%	0%	100%		
63	16" P8 Extension (Under 34) Construction	0	Construct	0	0	0	0	0	738,810	0	0	0	0	0	738,810	0%	0%	100%		
64	Large Projects	0																		
65	5.0 MG Water Storage 29th Street Tank #2 Design/SDC	W1904D	Design/SDC	648,000	675,540	0	0	0	0	0	0	0	0	1,323,540	1,323,540	0%	20%	80%		
66	5.0 MG Water Storage 29th Street Tank #2 Construct	0	Construct	0	8,444,250	0	0	0	0	0	0	0	0	8,444,250	8,444,250	0%	20%	80%		
67	Morning Drive Pump Station & MCC Upgrade Design/SDC	0	Design/SDC	0	0	0	56,650	0	0	0	0	0	0	56,650	56,650	0%	100%	0%		
68	Morning Drive Pump Station & MCC Upgrade Design/SDC	0	Design/SDC	0	0	0	0	177,170	184,700	0	0	0	0	177,170	361,870	0%	50%	50%		
69	Morning Drive Pump Station & MCC Upgrade Construct	0	Construct	0	0	0	0	0	1,847,020	0	0	0	0	0	1,847,020	0%	50%	50%		
70	3.5 MG 43rd St Tank #2 Design/SDC	0	Design/SDC	0	0	0	0	0	0	0	0	0	0	707,420	0	707,420	0%	20%	80%	
71	3.5 MG 43rd St Tank #2 Construct	0	Construct	0	0	0	0	0	0	0	0	0	0	0	0	0	20%	80%		
72	SW Booster Station Design/SDC	0	Design/SDC	0	0	0	0	0	0	0	0	0	0	290,880	0	290,880	0%	50%	50%	
73	SW Booster Station Construct	0	Construct	0	0	0	0	0	0	0	0	0	0	0	0	0	0%	50%	50%	
74	2.0 MG Dakota Ridge Buried Concrete Tank PZ2 Design/SDC	0	Design/SDC	0	0	0	0	0	0	0	0	0	0	767,310	799,920	0	1,567,230	0%	20%	80%
75	2.0 MG Dakota Ridge Buried Concrete Tank PZ2 Construct	0	Construct	0	0	0	0	0	0	0	0	0	0	8,580,970	0	8,580,970	0%	20%	80%	
76	2.0 MG Crossroads Elevated Tank #2 Construct	0	Construct	0	0	0	0	0	0	0	0	0	0	0	0	0	0%	20%	80%	
77	4.0 MG South Concrete Tank #2 Construct	0	Construct	0	0	0	0	0	0	0	0	0	0	0	0	0	0%	20%	80%	

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1	Project	Proj #	Type	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	5-Year Total (2019-2023)	10-Year Total (2019-2028)	Raw Water	General Unrestricted	SIF - Restricted
78	4.0 MG Chasteen Tank #2 at WTP Construct		0 Construct	0	0	0	0	0	0	0	0	0	0	0	0	0%	20%	80%
79	P2 Water Pump Station and Discharge Piping (General) Design/SDC	W1706D	Design/SDC	82,600	0	0	0	0	0	0	0	0	0	82,600	82,600	0%	100%	0%
80	P2 Water Pump Station and Discharge Piping (General) Construct	W1706D	Construct	632,000	0	0	0	0	0	0	0	0	0	632,000	632,000	0%	100%	0%
81	P2 Water Pump Station and Discharge Piping (Developer) Design/SDC	W1706D	Design/SDC	226,400	0	0	0	0	0	0	0	0	0	226,400	226,400	0%	0%	100%
82	P2 Water Pump Station and Discharge Piping (Developer) Construct	W1706D	Construct	2,830,000	0	0	0	0	0	0	0	0	0	2,830,000	2,830,000	0%	0%	100%
83	Mod Valve Vault Rehabilitation Design/SDC	W1802C	Design/SDC	75,000	0	0	0	0	0	0	0	0	0	75,000	75,000	0%	100%	0%
84	Mod Valve Vault Rehabilitation Construct	W1802C	Construct	750,000	0	0	0	0	0	0	0	0	0	750,000	750,000	0%	100%	0%
85	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%
86	Chasteens Grove Water Booster Station Construct		0 Construct	0	0	0	0	0	0	0	0	0	0	0	0	0%	0%	100%
87	Mountain View Water Pump Station 3rd Pump Construct		0 Construct	0	0	0	0	0	0	0	0	0	0	0	0	0%	0%	100%
88			0	0	0	0	0	0	0	0	0	0	0	0	0	0%	100%	0%
90	P1 Pump Replacement 29th Street Construct	W1910C	Construct	500,000	0	0	0	0	0	0	0	0	0	500,000	500,000	0%	100%	0%
91	Namaqua Hills Pump Station Design/SDC	W1911C	Design/SDC	10,000	50,040	0	0	0	0	0	0	0	0	60,040	60,040	0%	100%	0%
92	Namaqua Hills Pump Station Construct	W1911C	Construct	0	625,500	0	0	0	0	0	0	0	0	625,500	625,500	0%	100%	0%
93			0	0	0	0	0	0	0	0	0	0	0	0	0	0%	100%	0%
95	Miscellaneous		0															
96	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%
97	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%
98	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%
99			0	0	0	0	0	0	0	0	0	0	0	0	0	0%	0%	0%
108	TRANSMISSION/DISTRIBUTION TOTAL			\$6,929,000	\$11,884,510	\$3,638,620	\$7,448,310	\$7,760,150	\$18,024,450	\$4,749,890	\$11,545,240	\$11,139,940	\$15,012,200	37,660,590	98,132,310			
111	TRANSMISSION/DISTRIBUTION GENERAL TOTAL =			2,564,200	4,510,488	2,925,020	4,235,814	4,151,973	4,799,780	4,177,103	6,183,993	10,421,462	6,687,032	18,387,495	50,656,865			
112	TRANSMISSION/DISTRIBUTION SIF TOTAL =			4,289,800	7,295,832	632,090	3,127,526	3,519,587	13,132,320	476,507	5,260,877	613,848	8,216,088	18,864,835	46,564,475			
113	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			
115																		
116	WATER TREATMENT PLANT PROJECTS																	
117	<i>Expansion</i>																	
118	Phase 3 Expansion (38-46 MGD) Design/SDC		0 Design/SDC	0	0	0	0	0	0	0	0	0	290,880	0	290,880	0%	20%	80%
119	Phase 3 Expansion (38-46 MGD) Construct		0 Construct	0	0	0	0	0	0	0	0	0	0	0	0	0%	20%	80%
120	Cold Storage Building Design/SDC	W1801D	Design/SDC	7,500	0	0	0	0	0	0	0	0	0	7,500	7,500	0%	50%	50%
121	Cold Storage Building Construct		0 Construct	0	156,380	0	0	0	0	0	0	0	0	156,380	156,380	0%	50%	50%
122	WTP Residual Storage Pad Design/SDC		0 Design/SDC	15,000	31,720	0	0	0	0	0	0	0	0	46,720	46,720	0%	100%	0%
123	WTP Residual Storage Pad Construct		0 Construct	0	0	130,420	0	0	0	0	0	0	0	130,420	130,420	0%	100%	0%
124	Sedimentation #2 Sludge Collection Rehab Capital Design/SDC		0 Design/SDC	0	83,400	86,940	0	0	0	0	0	0	0	170,340	170,340	0%	100%	0%
125	Sedimentation #2 Sludge Collection Rehab Capital Construct		0 Construct	0	0	869,450	0	0	0	0	0	0	0	869,450	869,450	0%	100%	0%
126	<i>Regulatory</i>		0	0	0	0	0	0	0	0	0	0	0	0	0	0%	0%	0%

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1	Project	Proj #	Type	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	5-Year Total (2019-2023)	10-Year Total (2019-2028)	Raw Water	General Unrestricted	SIF - Restricted	
127		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0%	0%	0%	
131	Improvements		0																
132	WTP Admin/Office Renovation Design/SDC		0 Design/SDC	0	0	0	0	59,060	61,570	0	0	0	0	59,060	120,630	0%	100%	0%	
133	WTP Admin/Office Renovation Construct		0 Construct	0	0	0	0	0	615,670	0	0	0	0	0	615,670	0%	100%	0%	
134	Pre Soda Ash System Rehab Design/SDC		0 Design/SDC	0	0	0	27,190	28,350	0	0	0	0	0	55,540	55,540	0%	100%	0%	
135	Pre Soda Ash System Rehab Construct		0 Construct	0	0	0	0	354,340	0	0	0	0	0	354,340	354,340	0%	100%	0%	
136	Backwash Pumps (2) Design/SDC		0 Design/SDC	0	0	0	18,130	0	0	0	0	0	0	18,130	18,130	0%	100%	0%	
137	Backwash Pumps (2) Construct		0 Construct	0	0	0	226,600	0	0	0	0	0	0	226,600	226,600	0%	100%	0%	
138	PLC Processors Design/SDC		0 Design/SDC	0	0	0	39,650	0	0	0	0	0	0	39,650	39,650	0%	100%	0%	
139	PLC Processors Construct		0 Construct	0	0	0	0	413,400	0	0	0	0	0	413,400	413,400	0%	100%	0%	
140		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0%	0%	0%	
143	WATER TREATMENT PLANT TOTALS			\$22,500	\$271,500	\$1,086,810	\$311,570	\$855,150	\$677,240	\$0	\$0	\$0	\$0	\$290,880	2,547,530	3,515,650			
144																			
147	WATER TREATMENT PLANT GENERAL TOTAL =			18,750	193,310	1,086,810	311,570	855,150	677,240	0	0	0	0	58,176	2,465,590	3,201,006			
148	WATER TREATMENT PLANT SIF TOTAL =			3,750	78,190	0	0	0	0	0	0	0	0	232,704	81,940	314,644			
150																			
151	WATER RESOURCES PROJECTS																		
152	Windy Gap Firming (W038AA)	W038AA	Contract	55,560,000	0	0	0	0	0	0	0	0	0	55,560,000	55,560,000	100%	0%	0%	
153	Future Water Court Transfer Actions	W1709A	Design/SDC	100,000	104,250	0	0	0	0	0	0	0	0	0	204,250	204,250	100%	0%	0%
154	Purchase CBT Water (W1014A) years 2020, 2021, 2022	W1014A	Contract	0	521,250	543,400	566,500	0	0	0	0	0	0	0	1,631,150	1,631,150	100%	0%	0%
155	Purchase CBT Water (W1014A) years 4 to 6	W1014A	Contract	0	0	0	0	0	0	0	0	0	0	0	0	0	100%	0%	0%
156	Purchase CBT Water (W1014A) years 7 to 9	W1014A	Contract	0	0	0	0	0	0	0	0	0	0	0	0	0	100%	0%	0%
157	Purchase CBT Water (W1014A) year 10	W1014A	Contract	0	0	0	0	0	0	0	0	0	0	0	0	0	100%	0%	0%
158	Downstream Storage		0	0	0	0	0	0	0	0	0	0	0	0	0	0	100%	0%	0%
159	Downstream Storage - Armoring Construct	W1901A	Construct	125,000	136,570	148,890	0	0	0	0	0	0	0	0	410,460	410,460	100%	0%	0%
160	Downstream Storage - Armoring (continued) Construct		0 Construct	0	0	0	162,020	0	0	0	0	0	0	0	162,020	162,020	100%	0%	0%
161	Downstream Storage - Phase 2 Design/SDC		0 Design/SDC	0	0	0	0	0	0	0	0	0	0	0	0	0	100%	0%	0%
162	Downstream Storage - Phase 3 Construct		0 Construct	0	0	0	0	0	0	0	0	0	0	0	0	0	100%	0%	0%
163	GRGR 18" Bypass Pipe Connections Design/SDC		0 Design/SDC	32,000	33,360	0	0	0	0	0	0	0	0	0	65,360	65,360	100%	0%	0%
164	GRGR 18" Bypass Pipe Connections Construc		0 Construct	0	417,000	0	0	0	0	0	0	0	0	0	417,000	417,000	100%	0%	0%
165																			
166	WATER RESOURCES TOTAL			\$55,817,000	\$1,212,430	\$692,290	\$728,520	\$0	\$0	\$0	\$0	\$0	\$0	\$0	58,450,240	58,450,240			
167																			
170	WATER GENERAL PLANT																		
171	Service Center Renovations Construct	W1904C	GP	250,000	0	0	0	0	0	0	0	0	0	0	250,000	250,000	0%	100%	0%
172	Service Center Renovations (years 2, 3, & 4) Construct	W1904C	GP	0	101,640	105,960	110,470	0	0	0	0	0	0	0	318,070	318,070	0%	100%	0%
173	Service Center Renovations (years 5, 6, & 7) Construct	W1904C	GP	0	0	0	0	115,160	120,060	125,160	0	0	0	0	115,160	360,380	0%	100%	0%

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1	Project	Proj #	Type	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	5-Year Total (2019-2023)	10-Year Total (2019-2028)	Raw Water	General Unrestricted	SIF - Restricted
174	Service Center Renovations (years 8, 9, & 10) Construct	W1904C	GP	0	0	0	0	0	0	0	130,480	136,020	141,800	0	408,300	0%	100%	0%
175		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0%	0%	0%
176	Sampling Stations (4 per year) Construct	WA930	Construct	20,000	20,850	21,740	22,660	23,620	24,630	25,670	26,760	27,900	29,090	108,870	242,920	0%	100%	0%
177		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0%	0%	0%
178	Standalone Servers - AVST Voip Mail \$10,500 & DPWTP \$8,090	WA930	GP	18,590	0	0	0	0	0	0	0	0	0	18,590	18,590	0%	100%	0%
179	GPS Units (3)	WA930	GP	25,000	0	0	0	0	0	0	0	0	0	25,000	25,000	0%	100%	0%
180	Locate Receiver & Transmitter	WA930	GP	9,800	0	0	0	0	0	0	0	0	0	9,800	9,800	0%	100%	0%
181	Replace Vehicle #5125 with 3/4-ton / 4WD / Crew Cab / Utility Body / Water Ops	WA930	GP	49,000	0	0	0	0	0	0	0	0	0	49,000	49,000	0%	100%	0%
182	Replace Vehicle #6144 with 1/2-ton / Regular Cab / 4WD Pickup / Water Metering	WA930	GP	32,500	0	0	0	0	0	0	0	0	0	32,500	32,500	0%	100%	0%
183	Sonde - this is an additional unit	WA930	GP	23,000	0	0	0	0	0	0	0	0	0	23,000	23,000	0%	100%	0%
184	Sonde - Replacement - this is to replace a unit every 5 years	WA930	GP	0	0	0	0	0	28,320	0	0	0	0	0	28,320	0%	100%	0%
185	Total Organic Carbon Analyzer - Replacement	WA930	GP	25,000	0	0	0	0	0	0	0	0	0	25,000	25,000	0%	100%	0%
186	Replace Vehicle #6143 with 1-ton / 4WD / Extended Cab / DRW with Utility Body / Tech Services	WA930	GP	74,000	0	0	0	0	0	0	0	0	0	74,000	74,000	0%	100%	0%
187		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0%	100%	0%
188	WATER GENERAL PLANT TOTAL			\$526,890	\$122,490	\$127,700	\$133,130	\$138,780	\$173,010	\$150,830	\$157,240	\$163,920	\$170,890	1,048,990	1,864,880			
189	Total Water General capital			\$3,109,840	\$4,826,288	\$4,139,530	\$4,680,514	\$5,145,903	\$5,650,030	\$4,327,933	\$6,341,233	\$10,585,382	\$6,916,098	\$21,902,075	\$55,722,751			
190	TOTAL WATER CIP			\$63,295,390	\$13,490,930	\$5,545,420	\$8,621,530	\$8,754,080	\$18,874,700	\$4,900,720	\$11,702,480	\$11,303,860	\$15,473,970	99,707,350	161,963,080		Total =	
191	Total Water less Raw Water CIP			\$7,478,390	\$12,278,500	\$4,853,130	\$7,893,010	\$8,754,080	\$18,874,700	\$4,900,720	\$11,702,480	\$11,303,860	\$15,473,970	41,257,110	103,512,840			
192	Wtr SIF Capital			4,368,550	7,452,212	713,600	3,212,496	3,608,177	13,224,670	572,787	5,361,247	718,478	8,557,872	19,355,035	47,790,089			
193	Raw Water Capital			\$55,817,000	\$1,212,430	\$692,290	\$728,520	\$0	\$0	\$0	\$0	\$0	\$0	58,450,240	58,450,240			
194	TRANSMISSION/DISTRIBUTION ONE TIME O&M PROJECTS																	
195	Distribution System Model Update			0	0	81,510	0	0	0	0	100,370	0	0					
196	29th St Tank Re-Coat			0	0	0	0	0	0	0	669,120	0	0					
197	Master Plan Updates (Water Engineering)			0	0	0	0	0	0	0	200,740	0	0					
198	Cathodic Protection Evaluation			0	50,000	0	0	0	0	0	0	0	0					
199		0	0	0	0	0	0	0	0	0	0	0	0					
203	TRANSMISSION/DISTRIBUTION ONE TIME O&M TOTAL			\$50,000	\$0	\$81,510	\$0	\$0	\$0	\$0	\$970,230	\$0	\$0	\$131,510	\$1,101,740			
206																		
207	WATER TREATMENT PLANT ONE TIME O&M PROJECTS																	
208	WTP River Intake Concrete Repair			0	0	163,020	0	0	0	0	0	0	0					
209	Update Emergency Response Plan			0	0	41,700	0	0	0	0	0	0	0					
210	Water Treatment Plant Master Plan			0	0	0	0	0	0	128,370	0	0	0					
211		0	0	0	0	0	0	0	0	0	0	0	0					
217	WATER TREATMENT PLANT ONE TIME O&M TOTAL			\$0	\$41,700	\$163,020	\$0	\$0	\$0	\$128,370	\$0	\$0	\$0	\$204,720	\$333,090			
218																		

Water 10 Year Capital Budget - For City

1	Project	Proj #	Type	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	5-Year Total (2019-2023)	10-Year Total (2019-2028)	Raw Water	General Unrestricted	SIF - Restricted
219	ADMIN ONE TIME O&M PROJECTS / Not Shared Assets																	
220	Rate Study			0	0	54,340	0	0	61,570	0	0	69,760	0					
221				0	0	0	0	0	0	0	0	0	0					
225	ADMIN O&M PROJECTS / Not Shared Assets			\$0	\$0	\$54,340	\$0	\$0	\$61,570	\$0	\$0	\$69,760	\$0					
226																		
227	ADMIN ONE TIME O&M PROJECTS / Shared Assets Expense																	
228	CIS UB System			0	115,821	0	0	0	0	0	0	0	0					
229	CIS UB System (years 4 & 5)			0	0	0	0	0	0	0	0	0	0					
230	Network Switches			0	28,540	0	0	0	0	0	0	0	0					
231				0	0	0	0	0	0	0	0	0	0					
232	Copier Replacement			0	4,950	0	0	0	0	0	0	0	0					
233	WWTP WQ Lab Remodel - General			0	1,003,130	0	0	0	0	0	0	0	0					
234	WWTP WQ Lab Remodel - SIF			0	334,380	0	0	0	0	0	0	0	0					
235	Replace Vehicle #5806 Forklift Warehouse			0	14,200	0	0	0	0	0	0	0	0					
236	Replace Vehicle #5122 w/ Crane Tech Services			0	49,500	0	0	0	0	0	0	0	0					
237	New Vehicle - Water Operations			0	34,300	0	0	0	0	0	0	0	0					
238	New Vehicle - Tech Services			0	38,500	0	0	0	0	0	0	0	0					
239	Unmanned Aircraft (Drone)			0	7,000	0	0	0	0	0	0	0	0					
240				0	0	0	0	0	0	0	0	0	0					
242	ADMIN O&M PROJECTS / Not Shared Assets			1,630,321	0	0	0	0	0	0	0	0	0					
243																		
244	ADMIN O&M TOTAL			\$1,630,321	\$0	\$54,340	\$0	\$0	\$61,570	\$0	\$0	\$69,760	\$0	\$1,684,661	\$1,815,991			
245																		
246	General Plant Inflation Only			100.00%														
247	Inflation =			100.00%	104.25%	108.68%	113.30%	118.11%	123.13%	128.37%	133.82%	139.51%	145.44%					
249																		
250	WATER GENERAL TOTAL =			58,399,950	5,916,228	4,704,120	5,275,904	5,007,123	5,477,020	4,177,103	6,183,993	10,421,462	6,745,208	\$79,303,325				
251	WATER SIF TOTAL =			4,368,550	7,452,212	713,600	3,212,496	3,608,177	13,224,670	572,787	5,361,247	718,478	8,557,872	\$19,355,035				

2019 Wastewater 10 Year Capital - For City

Project	Proj #	Design/SDC or Construct	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	5-Year Total (2019-2023)	10-Year Total (2019-2028)	General Unrestricted	SIF - Restricted
WASTEWATER LINE REPLACEMENT PROJECTS																
New Wastewater Lines	0															
Old / New Boyd Basin Sewer Split (1st Street) Design/SDC	0	Design/SDC	0	0	0	0	0	0	0	0	0	0	\$0	\$0	0%	100%
Old / New Boyd Basin Sewer Split (1st Street) Construct	0	Construct	0	0	0	0	0	0	0	0	0	0	\$0	\$0	0%	100%
Highway 402 Wastewater Main Extension Design/SDC	0	Design/SDC	0	0	0	0	1,358,320	1,416,050	0	0	0	0	\$1,358,320	\$2,774,370	0%	100%
Highway 402 Wastewater Main Extension Construct	0	Construct	0	0	0	0	0	14,160,490	0	0	0	0	\$0	\$14,160,490	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%
Sewer Line Replacement (Capacity) Design/SDC	0	Design/SDC	0	0	0	0	0	0	0	0	0	0	\$0	\$0	50%	50%
Sewer Line Replacement (Capacity) Construct	0	Construct	0	0	0	0	0	0	0	0	0	0	\$0	\$0	50%	50%
Upper Boyd Basin Sanitary Sewer Design/SDC	0	Design/SDC	0	0	576,010	600,490	0	0	0	0	0	0	\$1,176,500	\$1,176,500	10%	90%
Upper Boyd Basin Sanitary Sewer Construct	0	Construct	0	0	0	6,004,880	0	0	0	0	0	0	\$6,004,880	\$6,004,880	10%	90%
Abandon WWTP Sewer Re-route Design/SDC	W1901G	Design/SDC	28,000	29,190	0	0	0	0	0	0	0	0	\$57,190	\$57,190	100%	0%
Abandon WWTP Sewer Re-route Construct	W1901G	Construct	0	364,880	0	0	0	0	0	0	0	0	\$364,880	\$364,880	100%	0%
43rd Street Sewer Solution Design/SDC	0	Design/SDC	0	0	119,550	124,630	0	0	0	0	0	0	\$244,180	\$244,180	10%	90%
43rd Street Sewer Solution Construct	0	Construct	0	0	0	1,246,300	0	0	0	0	0	0	\$1,246,300	\$1,246,300	10%	90%
East 1st Street (FM) Discharge Vault Design/SDC	0	Design/SDC	0	31,280	0	0	0	0	0	0	0	0	\$31,280	\$31,280	100%	0%
East 1st Street (FM) Discharge Vault Construct	0	Construct	0	260,630	0	0	0	0	0	0	0	0	\$260,630	\$260,630	100%	0%
0	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%
2020 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%
2021 CIPP Sewer Rehab Construct	0	Construct	0	0	1,086,810	0	0	0	0	0	0	0	\$1,086,810	\$1,086,810	100%	0%
2022 CIPP Sewer Rehab Construct	0	Construct	0	0	0	1,076,350	0	0	0	0	0	0	\$1,076,350	\$1,076,350	100%	0%
2023 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%
2024 CIPP Sewer Rehab Construct	0	Construct	0	0	0	0	0	4,309,710	0	0	0	0	\$0	\$4,309,710	100%	0%
2025 CIPP Sewer Rehab Construct	0	Construct	0	0	0	0	0	0	5,134,720	0	0	0	\$0	\$5,134,720	100%	0%
2026 CIPP Sewer Rehab Construct	0	Construct	0	0	0	0	0	0	0	4,014,710	0	0	\$0	\$4,014,710	100%	0%
2027 CIPP Sewer Rehab Construct	0	Construct	0	0	0	0	0	0	0	0	4,185,330	0	\$0	\$4,185,330	100%	0%
Large Projects			0	0	0	0	0	0	0	0	0	0	\$0	\$0	0%	0%
North Horseshoe Lift Station Upgrades Design/SDC	0	Design/SDC	0	104,250	108,680	0	0	0	0	0	0	0	\$212,930	\$212,930	100%	0%
North Horseshoe Lift Station Upgrades Construct	0	Construct	0	0	1,086,810	0	0	0	0	0	0	0	\$1,086,810	\$1,086,810	100%	0%
East Side Lift Station 3rd Pump Install Design/SDC	0	Design/SDC	0	31,280	32,600	0	0	0	0	0	0	0	\$63,880	\$63,880	0%	100%
East Side Lift Station 3rd Pump Install Construct	0	Construct	0	0	326,040	0	0	0	0	0	0	0	\$326,040	\$326,040	0%	100%
Southside Lift Station Generator Design/SDC	0	Design/SDC	0	0	0	45,320	47,250	0	0	0	0	0	\$92,570	\$92,570	100%	0%
Southside Lift Station Generator Construct	0	Construct	0	0	0	0	472,460	0	0	0	0	0	\$472,460	\$472,460	100%	0%
Bus Barn & Taft Lift Station Renovation Design/SDC	W1703G	Design/SDC	0	99,040	0	0	0	0	0	0	0	0	\$99,040	\$99,040	100%	0%
Bus Barn & Taft Lift Station Renovation Construct	W1703G	Construct	0	990,380	0	0	0	0	0	0	0	0	\$990,380	\$990,380	100%	0%
East Side Lift Station Overflow Vault Design/SDC	0	Design/SDC	0	0	0	0	0	0	89,860	93,680	0	0	\$0	\$183,540	50%	50%
East Side Lift Station Overflow Vault Construct	0	Construct	0	0	0	0	0	0	0	936,760	0	0	\$0	\$936,760	50%	50%
Miscellaneous			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%
Mountain Pacific Oversizing Construct	W1933H	Construct	50,000	0	0	0	0	0	0	0	0	0	\$50,000	\$50,000	0%	100%
WASTEWATER LINE REPLACEMENTS TOTAL			\$153,000	\$3,031,620	\$3,418,010	\$9,182,940	\$4,328,920	\$19,978,600	\$5,320,860	\$5,145,520	\$4,289,960	\$109,080	\$20,114,490	\$54,958,510		
WW LINE REPLACEMENT GENERAL TOTAL =			28,000	2,922,150	2,351,856	1,919,300	2,882,010	4,309,710	5,179,650	4,529,930	4,185,330	0	10,103,316	28,307,936		
WW LINE REPLACEMENT SIF TOTAL =			50,000	31,280	984,644	7,178,670	1,358,320	15,576,540	44,930	515,220	0	0	9,602,914	25,739,604		
WW SIF OVERSIZING TOTAL =			75,000	78,190	81,510	84,970	88,590	92,350	96,280	100,370	104,630	109,080	408,260	910,970		

2019 Wastewater 10 Year Capital - For City

Project	Proj #	Design/SDC or Construct		2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	5-Year Total (2019-2023)	10-Year Total (2019-2028)	General Unrestricted	SIF - Restricted
WASTEWATER TREATMENT PLANT PROJECTS																	
WWTP Final Clarifier #4 and RAS/Scum Design/SDC	0	Design/SDC		0	0	0	0	0	0	0	0	0	727,200	\$0	\$727,200	20%	80%
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 Design/SDC	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	1,352,590	\$0	\$1,352,590	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	0	38,040	0	0	0	0	0	0	0	\$38,040	\$38,040	100%	0%
WWTP Upgrade PLC Processors Construct	0	Construct		0	0	380,380	0	0	0	0	0	0	0	\$380,380	\$380,380	100%	0%
WWTP Rehabilitate Digester 1 & 2 Design/SDC	0	Design/SDC		0	0	489,060	509,850	0	0	0	0	0	0	\$998,910	\$998,910	100%	0%
WWTP Rehabilitate Digester 1 & 2 Construct	0	Construct		0	0	0	5,098,480	0	0	0	0	0	0	\$5,098,480	\$5,098,480	100%	0%
WWTP Primary Clarifier Odor Control Design/SDC	0	Design/SDC		0	0	0	84,970	0	0	0	0	0	0	\$84,970	\$84,970	100%	0%
WWTP Primary Clarifier Odor Control Design/SDC	0	Design/SDC		0	0	0	0	354,340	369,400	0	0	0	0	\$354,340	\$723,740	100%	0%
WWTP Primary Clarifier Odor Control Construct	0	Construct		0	0	0	0	0	5,664,190	0	0	0	0	\$0	\$5,664,190	100%	0%
0	0	0		0	0	0	0	0	0	0	0	0	0	\$0	\$0	0%	0%
WWTP New Water Quality Lab Design/SDC	W1702H	Design/SDC		350,000	0	0	0	0	0	0	0	0	0	\$350,000	\$350,000	75%	25%
WWTP New Water Quality Lab Construct	W1702H	Construct		5,000,000	0	0	0	0	0	0	0	0	0	\$5,000,000	\$5,000,000	75%	25%
WWTP Admin Remodel Design/SDC	0	Design/SDC		0	52,130	0	0	0	0	0	0	0	0	\$52,130	\$52,130	100%	0%
WWTP Admin Remodel Construct	0	Construct		0	521,250	0	0	0	0	0	0	0	0	\$521,250	\$521,250	100%	0%
WWTP Blower Replacement - placeholder for 2020 budget	0	0		0	0	0	0	0	0	0	0	0	0	\$0	\$0	0%	0%
WWTP UV Equipment - placeholder for 2020 budget meeting	0	0		0	0	0	0	0	0	0	0	0	0	\$0	\$0	0%	0%
WASTEWATER TREATMENT PLANT TOTAL				\$5,350,000	\$573,380	\$907,480	\$5,693,300	\$354,340	\$6,033,590	\$0	\$0	\$0	\$2,516,110	\$12,878,500	\$21,428,200		
WW TREATMENT PLANT GENERAL TOTAL =				4,012,500	573,380	907,480	5,693,300	354,340	6,033,590	0	0	0	1,247,147	11,541,000	18,821,737		
WW TREATMENT PLANT SIF TOTAL =				1,337,500	0	0	0	0	0	0	0	0	1,268,964	1,337,500	2,606,464		
																Total =	
WASTEWATER GENERAL PLANT																	
WWTP Security Upgrades (cameras/recording device)	WW930	GP		0	104,250	0	0	0	0	0	0	0	0	\$104,250	\$104,250	100%	0%
Copier Replacement	WW930	GP		12,680	0	0	0	0	0	0	0	0	0	\$12,680	\$12,680	100%	0%
Miscellaneous Hardware Failures	WW930	GP		7,500	0	0	0	0	0	0	0	0	0	\$7,500	\$7,500	100%	0%
Unmanned Aircraft (Drone)	WW930	GP		20,000	0	0	0	0	0	0	0	0	0	\$20,000	\$20,000	100%	0%
New Vehicle 4WD & Utility Body, 1 Ton - Water Ops	WW930	GP		49,000	0	0	0	0	0	0	0	0	0	\$49,000	\$49,000	100%	0%
Sewer Easement Machine	WW930	GP		45,000	0	0	0	0	0	0	0	0	0	\$45,000	\$45,000	100%	0%
Repl Veh #5122-2003 4WD PU/Utility Box/Crane-Tech Svcs	WW930	GP		99,000	0	0	0	0	0	0	0	0	0	\$99,000	\$99,000	100%	0%
1 Ton Dual Tire Ext Cab w/Ladder Rack - Tech Services	WW930	GP		77,000	0	0	0	0	0	0	0	0	0	\$77,000	\$77,000	100%	0%
WASTEWATER GENERAL PLANT TOTAL				\$310,180	\$104,250	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$414,430	\$414,430		
WW General Capital				4,350,680	3,599,780	3,259,336	7,612,600	3,236,350	10,343,300	5,179,650	4,529,930	4,185,330	1,247,147	22,058,746	47,544,103		
TOTAL WASTEWATER CIP				\$5,813,180	\$3,709,250	\$4,325,490	\$14,876,240	\$4,683,260	\$26,012,190	\$5,320,860	\$5,145,520	\$4,289,960	\$2,625,190	\$33,407,420	\$76,801,140		
WW SIF Capital				1,462,500	109,470	1,066,154	7,263,640	1,446,910	15,668,890	141,210	615,590	104,630	1,378,044	11,348,674	29,257,038		
WASTEWATER TREATMENT PLANT One-time O&M																	
NPDES WWTP Permit Application	N/A			30,000	0	0	0	0	0	0	0	0	0	30,000	30,000		
Utility Plan Update	N/A	0		0	260,630	0	0	0	0	0	0	0	0	260,630	260,630		
Ferric Chloride	N/A	0		15,500	0	0	0	0	0	0	0	0	0	15,500	15,500		
Portable TSS Meter	N/A	0		3,000	0	0	0	0	0	0	0	0	0	3,000	3,000		
Selenium Levels Study	N/A	0		200,000	0	0	0	0	0	0	0	0	0	200,000	200,000		
Contractor Electrical Usage during 2019 Cconstruction	N/A	0		29,000	0	0	0	0	0	0	0	0	0	29,000	29,000		
PLC Parts (spares)	N/A	0		25,000	0	0	0	0	0	0	0	0	0	25,000	25,000		
				0	0	0	0	0	0	0	0	0	0	0	0		
WASTEWATER TREATMENT PLANT One-time O&M Projects				\$302,500	\$260,630	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$563,130	\$563,130		

2019 Wastewater 10 Year Capital - For City

Project	Proj #	Design/SDC or Construct	2019 2020 2021 2022 2023					2024 2025 2026 2027 2028					5-Year Total (2019-2023)	10-Year Total (2019-2028)	General Unrestricted	SIF - Restricted
WASTEWATER ADMIN O&M PROJECTS																
Wastewater Model Update Master Plan Basins (Division 310)	N/A		35,000	0	0	0	0	0	0	0	0	0	0	35,000	35,000	
Collection System Model Update (Division 310)	N/A		0	0	0	0	118,110	0	0	0	0	0	0	118,110	118,110	
WASTEWATER FUND - ADMIN O&M PROJECTS - This should be inflated and coded to Transfer of Assets - 42034 on budget detail worksheet																
Service Center Renovations - inflated	0		57,500	59,940	62,490	0	0	0	0	0	0	0	0	179,930	179,930	
Service Center Renovations - inflated - continued 2	0		0	0	0	65,150	67,920	70,800	0	0	0	0	0	133,070	203,870	
Service Center Renovations - inflated - continued 3	0		0	0	0	0	0	0	73,810	76,950	80,220	0	0	0	230,980	
WASTEWATER FUND - ADMIN O&M PROJECTS - Transfer of Assets - Object 42034:																
CIS UB Software Package - not inflated	0		115,820	0	0	0	0	0	0	0	0	0	0	115,820	115,820	
Network Switches	0		16,830	0	0	0	0	0	0	0	0	0	0	16,830	16,830	
Standalone Server	N/A		4,280	0	0	0	0	0	0	0	0	0	0	4,280	4,280	
GPS Units (3)	N/A		7,000	0	0	0	0	0	0	0	0	0	0	7,000	7,000	
Locate Receiver / Transmitter	N/A		3,230	0	0	0	0	0	0	0	0	0	0	3,230	3,230	
Repl Veh #5125-2001 Dodge 3/4-ton, 4WD - Water Ops	N/A		14,700	0	0	0	0	0	0	0	0	0	0	14,700	14,700	
Repl Veh #6143-2005 GMC 1 ton, 4WD - Tech Services	N/A		37,000	0	0	0	0	0	0	0	0	0	0	37,000	37,000	
Other Admin O&M one-time projects:	0		0	0	0	0	0	0	0	0	0	0	0	0	0	
Waste Rate Study - outer years	0		0	0	54,340	0	0	61,570	0	0	0	69,760	0	54,340	185,670	
WASTEWATER ADMIN O&M TOTAL			\$291,360	\$59,940	\$116,830	\$65,150	\$186,030	\$132,370	\$73,810	\$76,950	\$149,980	\$0	\$719,310	\$1,152,420		

Power Ten Year CIP Plan for City

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
1	Project	Project #	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	5-Year Total (2019-2023)	10-Year Total (2019-2028)	General Unrestricted	SIF - Restricted	General Unrestricted - 5 year	PIF - Restricted - 5 year	General Unrestricted - 10 year	PIF - Restricted - 10 year
2	CAPITAL BLANKETS																			
3	Hydro Generation	PW900	0	0	0	0	0	0	0	0	0	0	0	0	100%	0%	\$0	\$0	\$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%	\$134,070	\$0	\$293,290	
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%	\$1,072,490	\$0	\$2,346,280	
6	Meter purchases/installations/upgrades	PW903	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%	\$1,340,620	\$0	\$2,932,840	
7	Distribution transformers	PW904	150,000	155,250	160,680	166,310	172,130	178,150	184,390	190,840	197,520	204,440	804,370	1,759,710	100%	0%	\$804,370	\$0	\$1,759,710	
8	Substation	PW905	0	0	0	0	0	0	0	0	0	0	0	0	100%	0%	\$0	\$0	\$0	
9	Street lights & Yard lights	PW906	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%	\$804,370	\$0	\$1,759,700	
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%	\$53,630	\$0	\$117,320	
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%	\$1,340,620	\$0	\$2,932,840	
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%	\$268,130	\$0	\$586,560	
13	CAPITAL BLANKETS TOTAL		1,085,000	1,122,980	1,162,280	1,202,970	1,245,070	1,288,630	1,333,730	1,380,420	1,428,730	1,478,730	5,818,300	12,728,540			5,818,300	0	12,728,540	
14																	0	0		
15	GENERAL (UNRESTRICTED) TOTAL =		1,085,000	1,122,980	1,162,280	1,202,970	1,245,070	1,288,630	1,333,730	1,380,420	1,428,730	1,478,730	5,818,300	12,728,540						
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		0	0	0	0	0	0	0	0	0	0	0	0	0%	0%	\$0	\$0	\$0	
20	0 PW910		0	0	0	0	0	0	0	0	0	0	0	0	100%	0%	\$0	\$0	\$0	
21	SUBSTATION		0	0	0	0	0	0	0	0	0	0	0	0	0%	0%	\$0	\$0	\$0	
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%	\$804,370	\$0	\$1,759,700	
23	Security gates and fences at Substations	PW911	650,000	0	696,300	720,667	745,890	771,996	0	0	0	0	2,812,857	3,584,853	100%	0%	\$2,812,860	\$0	\$3,584,850	
24	Relay Replacements at Substations - Airport	PW911	0	0	241,030	0	0	0	0	0	0	0	241,030	241,030	100%	0%	\$241,030	\$0	\$241,030	
25	open	PW911	0	0	0	0	0	0	0	0	0	0	0	0	100%	0%	\$0	\$0	\$0	
26	Substation Annunciators	PW911	150,000	0	160,680	0	0	0	0	0	0	0	310,680	310,680	100%	0%	\$310,680	\$0	\$310,680	
27	Extend new feeders for PRPA community solar garden into system	PW911	250,000	0	0	0	0	0	0	0	0	0	250,000	250,000	100%	0%	\$250,000	\$0	\$250,000	
28	Order and Install of Switchgear for H1 & H2	PW911	0	1,242,000	0	0	0	0	0	0	0	0	1,242,000	1,242,000	100%	0%	\$1,242,000	\$0	\$1,242,000	
29	Begin retirement of west substation	PW911	0	0	0	0	0	0	0	0	0	0	0	0	100%	0%	\$0	\$0	\$0	
30	Extention of underground transmission to serve new substation in SE corner of service territory	PW911	0	0	0	0	0	0	0	5,407,190	5,267,240	3,747,970	0	14,422,400	100%	0%	\$0	\$0	\$14,422,400	
31	CUSTOMER ATC		0	0	0	0	0	0	0	0	0	0	0	0	0%	0%	\$0	\$0	\$0	
32	Transformers	PW904	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%	\$1,876,860	\$0	\$4,105,980	
33	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%	\$7,422,200	\$0	\$16,720,830	
34	Flood Related Hwy 34 Road Rebuild (CDOT Reimbursable)	PW912	0	0	0	0	0	0	0	0	0	0	0	0	100%	0%	\$0	\$0	\$0	
35	SYSTEM IMPROVEMENTS		0	0	0	0	0	0	0	0	0	0	0	0	0%	0%	\$0	\$0	\$0	
36	Underground blanket-development driven construction of lateral feeder extention 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%	\$804,370	\$0	\$1,759,700	
37	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%	\$804,370	\$0	\$1,759,700	
38	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%	\$2,010,930	\$0	\$4,399,270	
39	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%	\$589,870	\$0	\$1,290,460	
40	Planned Future Projects - General	PW913	0	0	0	1,829,380	1,721,280	1,793,410	2,827,290	4,007,680										

Power Ten Year CIP Plan for City

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	
1	Project	Project #	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	5-Year Total (2019-2023)	10-Year Total (2019-2028)	General Unrestricted	SIF - Restricted	General Unrestricted - 5 year	PIF - Restricted - 5 year	General Unrestricted - 10 year	PIF - Restricted - 10 year	
59	13 - Overhead to underground conversion along 14th St. SW between Roosevelt & S. Taft Ave.	PW914	0	0	21,420	643,060	0	0	0	0	0	0	664,480	664,480	100%	0%	\$664,480	\$0	\$664,480	\$0	
60	14 - Overhead to underground conversion along 14th St. SE from St. Louis going .26 miles east	PW914	0	10,350	417,780	0	0	0	0	0	0	0	428,130	428,130	100%	0%	\$428,130	\$0	\$428,130	\$0	
61	15 - Overhead to underground conversion along Madison between 16th & SW257 along ckt 231	PW914	0	0	0	55,440	1,090,150	0	0	0	0	0	1,145,590	1,145,590	100%	0%	\$1,145,590	\$0	\$1,145,590	\$0	
62	16 - Overhead to underground conversion along Madison between 29th and vault 1023 - 200 amp	PW914	0	0	0	0	0	11,880	479,410	0	0	0	0	491,290	100%	0%	\$0	\$0	\$491,290	\$0	
63	17 - Overhead to underground conversion - Foundry	PW914	0	0	0	0	0	0	0	0	0	0	0	0	100%	0%	\$0	\$0	\$0	\$0	
64	18 - Overhead to underground conversion on 29th - Logan to Garfield	PW914	0	0	803,420	0	0	0	0	0	0	0	803,420	803,420	100%	0%	\$803,420	\$0	\$803,420	\$0	
65	34 - Overhead to underground conversion on S. Roosevelt	PW914	0	0	0	0	0	1,425,220	0	0	0	0	0	1,425,220	100%	0%	\$0	\$0	\$1,425,220	\$0	
66	40 - Overhead to underground conversion circuit 214 - Eisenhower between Madison and Boise - Downtown Backbone	PW914	0	0	0	510,010	0	0	0	0	0	0	510,010	510,010	100%	0%	\$510,010	\$0	\$510,010	\$0	
67	36 - Overhead to underground conversion circuit 214 - RR between 3rd and 7th - Downtown Backbone	PW914	430,000	0	0	0	0	0	0	0	0	0	430,000	430,000	100%	0%	\$430,000	\$0	\$430,000	\$0	
68	37 - Overhead to underground conversion circuit 214 - 7th between RR and Monroe - Downtown Backbone	PW914	0	646,880	0	0	0	0	0	0	0	0	646,880	646,880	100%	0%	\$646,880	\$0	\$646,880	\$0	
69	38 - Overhead to underground conversion circuit 214 - Monroe between 7th and 11th - Downtown Backbone	PW914	0	0	460,630	0	0	0	0	0	0	0	460,630	460,630	100%	0%	\$460,630	\$0	\$460,630	\$0	
70	41 - Overhead to underground conversion circuit 214 - Gorom between Eisenhower and 11th - Downtown Backbone	PW914	0	0	0	255,010	0	0	0	0	0	0	255,010	255,010	100%	0%	\$255,010	\$0	\$255,010	\$0	
71	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%	\$1,000,000	\$0	\$1,000,000	\$0	
72	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%	\$1,035,000	\$0	\$1,035,000	\$0	
73	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%	\$1,071,230	\$0	\$1,071,230	\$0	
74	0 PW914	0	0	0	0	0	0	0	0	0	0	0	0	0	100%	0%	\$0	\$0	\$0	\$0	
75	ROAD RELATED PROJECTS		0	0	0	0	0	0	0	0	0	0	0	0	0	0%	\$0	\$0	\$0	\$0	
76	Miscellaneous Small Projects	PW913	100,000	103,500	107,120	277,180	286,880	296,920	307,320	318,070	329,200	340,730	874,680	2,466,920	100%	0%	\$874,680	\$0	\$2,466,920	\$0	
77	19 - Reconducto 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%	\$470,250	\$0	\$470,250	\$0	
78	0 PW913	0	0	0	0	0	0	0	0	0	0	0	0	0	100%	0%	\$0	\$0	\$0	\$0	
79	0 PW913	0	0	0	0	0	0	0	0	0	0	0	0	0	0	100%	0%	\$0	\$0	\$0	\$0
80	STREET LIGHT PROJECTS		0	0	0	0	0	0	0	0	0	0	0	0	0	0%	\$0	\$0	\$0	\$0	
81	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%	\$804,370	\$0	\$1,759,700	\$0	
82	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%	\$536,240	\$0	\$1,173,140	\$0	
83	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0%	\$0	\$0	\$0	\$0	
84	TOTAL SPECIFIC PROJECTS		8,145,250	7,100,110	10,364,103	10,006,206	8,635,111	10,968,289	10,491,721	16,851,339	16,519,348	15,455,245	44,250,780	114,536,721			44,250,780	0	114,536,720	0	
85																		0	0		
86	HYDRO GENERATION (GENERAL) =		0	0	0	0	0	0	0	0	0	0	0	0	0	0					
87	SUBSTATION (GENERAL) =		1,200,000	1,397,250	1,258,690	886,977	918,020	950,146	184,390	5,598,030	5,464,760	3,952,400	5,660,937	21,810,663							
88	CUSTOMER ATC (GENERAL) =		1,610,000	1,666,350	1,938,920	2,006,780	2,077,010	2,149,710	2,224,950	2,302,830	2,383,420	2,466,840	9,299,060	20,826,810							
89	SYSTEM IMPROVEMENTS (GENERAL) =		3,085,000	1,950,980	2,019,253	3,919,329	3,884,372	4,032,203	6,988,331	8,314,339	8,012,768	8,354,555	14,858,933	50,561,128							
90	CONVERSIONS (GENERAL) =		1,430,000	1,723,280	4,772,320	2,638,760	1,181,950	3,242,390	479,410	0	0	0	11,746,310	15,468,110							
91	ROAD RELATED PROJECTS (GENERAL) =		570,250	103,500	107,120	277,180	286,880	296,920	307,320	318,070	329,200	340,730	1,344,930	2,937,170							
92	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							
93			0	0	0	0	0	0	0	0	0	0	0	0	0						

Power Ten Year CIP Plan for City

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	
1	Project	Project #	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	5-Year Total (2019-2023)	10-Year Total (2019-2028)	General Unrestricted	SIF - Restricted	General Unrestricted - 5 year	PIF - Restricted - 5 year	General Unrestricted - 10 year	PIF - Restricted - 10 year	
94	PLANT INVESTMENT FEE PROJECTS																				
95	SUBSTATION PIF PROJECTS																				
96	Valley Substation - Order new transformer - V3	PW920	0	0	0	0	997,850	0	0	0	0	0	997,850	997,850	0%	100%	\$0	\$997,850	\$0	\$997,850	
97	Valley Substation - Order new switchgear lineup for V3	PW920	0	0	0	0	831,540	0	0	0	0	0	831,540	831,540	0%	100%	\$0	\$831,540	\$0	\$831,540	
98	Valley Substation - Install new switchgear lineup & transformer for V3	PW920	0	0	0	0	573,760	0	0	0	0	0	573,760	573,760	0%	100%	\$0	\$573,760	\$0	\$573,760	
99	East Substation - Install new switchgear lineup for E3	PW920	0	0	0	0	0	0	0	0	0	0	0	0	0%	100%	\$0	\$0	\$0	\$0	
100	New Substation in SE corner of service territory	PW920	0	0	0	0	0	0	7,206,310	0	0	0	0	7,206,310	0%	100%	\$0	\$0	\$0	\$7,206,310	
101	Replace Airport Substation Transformer	PW920	0	0	0	964,100	0	0	0	0	0	0	964,100	964,100	0%	100%	\$0	\$964,100	\$0	\$964,100	
102	Foothills Substation - Order & Install F3 & F4 Transformers	PW920	0	0	0	0	0	0	0	0	0	3,292,020	0	0	0%	100%	\$0	\$0	\$0	\$3,292,020	
103	Replace Horseshoe Substation Transformer H1	PW920	0	0	0	0	0	0	0	0	0	1,226,610	0	1,226,610	0%	100%	\$0	\$0	\$0	\$1,226,610	
104	Land Purchase	PW920	800,000	0	0	0	0	0	0	0	0	0	800,000	800,000	0%	100%	\$0	\$800,000	\$0	\$800,000	
105	Land Development	PW920	0	0	1,071,230	0	0	0	0	0	0	0	1,071,230	1,071,230	0%	100%	\$0	\$1,071,230	\$0	\$1,071,230	
106	East Substation - Order and Install new Transformer - E1	PW920	0	1,035,000	0	0	0	0	0	0	0	0	1,035,000	1,035,000	0%	100%	\$0	\$1,035,000	\$0	\$1,035,000	
107		0	PW920	0	0	0	0	0	0	0	0	0	0	0	0%	100%	\$0	\$0	\$0	\$0	
108	FEEDER PIF PROJECTS																				
109	Blanket-development driven construction of miscellaneous primary feeder extentions 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%	\$0	\$804,370	\$0	\$1,759,700	
110	21 - Feeder from Foothills to Hunters Run	PW921	0	0	0	0	0	0	0	0	0	0	0	0	0%	100%	\$0	\$0	\$0	\$0	
111	22 - Install conduits from Byrd Dr to I25 Frontage Rd, connecting at Kendall Pkwy	PW921	0	931,500	0	0	0	0	0	0	0	0	931,500	931,500	0%	100%	\$0	\$931,500	\$0	\$931,500	
112	44 - Install 750 AL from MCR to Kendall Pkwy & I25 - sub to sub tie between Crossroads and Airport	PW921	0	0	0	0	0	0	0	0	0	0	0	0	0%	100%	\$0	\$0	\$0	\$0	
113	23 - Sub to Sub Tie - Install new conduit bank and 750 AL from Garfield to CR 11	PW921	0	0	0	0	0	918,020	0	0	0	0	0	918,020	918,020	0%	100%	\$0	\$918,020	\$0	\$918,020
114	24 - Sub to Sub Tie - Install new conduit bank and 750 AL from 57th and Taft to vault V1780.	PW921	0	0	0	55,440	803,270	0	0	0	0	0	858,710	858,710	0%	100%	\$0	\$858,710	\$0	\$858,710	
115	25 - Foothills Substation Conduit - Install new conduit along W. 22nd east from Rio Blanco to Van Buren	PW921	0	0	0	0	0	0	0	1,908,420	0	0	0	1,908,420	0%	100%	\$0	\$0	\$0	\$1,908,420	
116	26 - Extend new feeders from Valley V3 into system	PW921	0	0	0	55,440	1,606,530	0	0	0	0	0	1,661,970	1,661,970	0%	100%	\$0	\$1,661,970	\$0	\$1,661,970	
117	42 - Extend new feeders from East Sub to Boise and 402	PW921	0	517,500	0	0	0	0	0	0	0	0	517,500	517,500	0%	100%	\$0	\$517,500	\$0	\$517,500	
118	27 - Extend new feeders from Boise and 402 to I25 towards future new substation	PW921	0	51,750	2,088,890	0	0	0	0	0	0	0	2,140,640	2,140,640	0%	100%	\$0	\$2,140,640	\$0	\$2,140,640	
119	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	0	61,460	954,210	0	0	0	1,015,670	0%	100%	\$0	\$0	\$0	\$1,015,670	
120	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	26,340	1,063,060	0	1,089,400	0%	100%	\$0	\$0	\$0	\$1,089,400		
121	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	2,044,350	0	2,044,350	0%	100%	\$0	\$0	\$0	\$2,044,350		
122	35 - The Brands - Byrd Dr Fairgrounds along Crossroads	PW921	400,000	0	0	0	0	0	0	0	0	0	400,000	400,000	0%	100%	\$0	\$400,000	\$0	\$400,000	
123	20 - Extension of 600 amp from 14th st sw to hwy 60 along hwy 287	PW921	1,100,000	0	0	0	0	0	0	0	0	0	1,100,000	1,100,000	0%	100%	\$0	\$1,100,000	\$0	\$1,100,000	
124	49 - 37th St. 600amp Extension between Boyd Lake Ave and Rocky Mountain Blvd	PW921	1,200,000	0	0	0	0	0	0	0	0	0	1,200,000	1,200,000	0%	100%	\$0	\$1,200,000	\$0	\$1,200,000	
125	50 - County Road 30 - Phase II - I25 Crossing	PW921	1,000,000	0	0	0	0	0	0	0	0	0	1,000,000	1,000,000	0%	100%	\$0	\$1,000,000	\$0	\$1,000,000	
126		0	PW921	0	0	0	0	0	0	0	0	0	0	0	0%	100%	\$0	\$0	\$0	\$0	
127	POWER GENERATION PIF																				
128		0	0	0	0	0	0	0	0	0	0	0	0	0	0%	100%	\$0	\$0	\$0	\$0	
129	TOTAL PIF PROJECTS																				
130			4,650,000	2,691,000	4,284,900	2,106,580	4,073,710	178,150	7,452,160	3,053,470	3,515,880	4,538,450	17,806,190	36,544,300			0	14,106,190	0	29,710,550	
131	SUBSTATION PROJECTS (RESTRICTED) =		800,000	1,035,000	2,0																

ITEM TITLE:

Supplemental Budget Appropriation for Power

DESCRIPTION:

The City of Loveland Power Division is seeking a supplemental budget appropriation in the total of \$2,379,000 for use in three unplanned system projects to help take advantage of economies of scale by completing system projects at the same time other departments are in the area and improve overall system reliability.

SUMMARY:

There are three specific unbudgeted projects that the power division needs to complete in 2018, subsequently the power division requires a special appropriation from the power reserves in order to not stall progress on other budgeted project. The power division is looking for appropriation in accordance with the following breakdown.

- Boyd Parallel Interceptor – \$1,833,197
- Wilson Ave Flood Mitigation Project – \$166,934
- North Lake Park Double Switch – \$378,869

Project Summaries:***Boyd Parallel Interceptor:***

The Wastewater department is currently completing a capital project to increase capacity and run a parallel 24" sanitary sewer that they are referring to as the Boyd Parallel Interceptor.

The power department made the determination at the start of the wastewater project that it would be beneficial to install an electrical duct bank from E. Eisenhower Blvd to the intersection of N. Boise Ave and Hoffman Dr. following the sanitary sewer route, in order to replace existing aging infrastructure in the area. The scope of the project would replace existing infrastructure including a mineral oil insulated switch. At this time, the City can no longer procure fuses that fit these switches and subsequently the switch and vault must be replaced to maintain reliability to the surrounding area including McKee Medical Center and surrounding medical facilities. In addition, this electrical line currently runs through a backyard easement, which makes it more difficult for crews to access the equipment. Through the scope of this project, the power department will be moving equipment street side which is easier to access. There will also be some underground looping that will be completed that allows for crews to sectionalize portions of the line to complete work without taking an outage to customers and in the event of unplanned outages, shorten restoration time.

The cost breakdown for this project is as such:

- Contractor – \$1,076,618
- Materials – \$414,369
- Crew and Equipment – \$115,045
- 1% for the Arts – \$15,777
- Project Contingency – \$211,388

Total: \$1,833,236

Wilson Ave Flood Mitigation

The Public Works department was awarded a federal grant in order to add storm drainage and raise the elevation for portions of Wilson Ave from 1st St. to Eisenhower Blvd.

Currently the power division has electrical equipment in the shoulder of Wilson Ave installed in about 1986 within the city right of way. Per municipal code, any utility located in the right of way must pay to relocate equipment that is in conflict with a public works project. Subsequently, we have some equipment south of the bridge that need to be relocated, removed or replaced. The scope of this project and the effect on the electric utility is to the best of our knowledge at this point based on the 90% design drawings. Construction is set to begin in June.

The cost breakdown for this project is as such:

- Contractor – \$21,845
- Materials – \$53,180
- Crew and Equipment – \$57,480
- 1% for the Arts – \$1,042
- Project Contingency – \$33,387

Total: \$166,934

North Lake Park Double Switch

Storm Water will be completing work at North Lake Park in 2018 and 2019 to replace a corroding culvert that will include replacement of landscaping and facilities adjacent to existing electrical infrastructure that was schedule to be replaced in 2019 and 2020. The Power Division would like to take advantage of this project to help improve the electrical system and enhance maintenance access and reduce disturbance to the Park landscaping and Infrastructure.

Currently at North Lake Park, the power division has cable from West substation and Horseshoe substation that do not interconnect. This project will install a double switch at North Lake Park and make the most use out of existing electrical equipment to maximize system benefit. The following system benefits will result from the project.

1. Relieve system capacity issues on electrical circuit 323
2. Relieve system capacity issues on electrical circuit 921
3. Remove and relocate mineral oil switch located in the sidewalk west of 29th St and Taft Ave
4. Remove a triple stack* in the intersection of 29th St and Taft Ave
5. Refeed and replace a switch to an underground circuit at the corner of W 37th St and N Taft Ave
6. Transfer an electric circuit from West Substation to Foothills Substation, helping keep the retirement of West substation on schedule
7. Relieve transmission back feed potential from Foothills Solar field at Foothills substation during a system fault
8. Sets the utility up for the removal of the overhead conductor on N. Taft Ave in the future by reducing the number of customers served by the line.

* A triple stack as used in this document is an electrical tie that combines three deadbreak separable connectors on the electrical backbone. The power division is working to remove these connections since they create a larger clearance area for crews working on the equipment and more equipment out of

service, potentially leading to system constraints, limiting the flexibility of transferring loads on a permanent or temporary basis.

The cost breakdown for this project is as such:

- Contractor – \$86,300
- Materials – \$168,040
- Crew and Equipment – \$72,130
- 1% for the Arts – \$2,981
- Project Contingency – \$49,418

Total: \$378,869

One of the results of the 2016 cost-of-service rate study for Power was a recommendation to increase the minimum fund balance target for Power from 15% of operating expenses to 23%, and this change was supported both by the LUC and City Council. At that time, the plan was to gradually step up from 15% and reach 23% by 2020. The Power Unrestricted Fund is now responsible for a \$3 million share of the purchase price of the Customer Information System (CIS) and has already contributed the \$2.5 million of funds that have been used to further explore Broadband. Combining these two uses of funds with this \$2.379 million appropriation will mean that the new 23% minimum fund balance target will be reached by 2022 instead of 2020. During the period from 2019-2021, the fund balance is projected to be at least 18% of operating expenses.

RECOMMENDATION:

To recommend that council approve the Power division request for a special appropriation of \$2,379,000 from the power reserves for the use on Boyd Parallel, Wilson Avenue and North Lake Park projects, helping the Power Division to maintain a reliable electrical system and take advantage and aid with work by other department.

ATTACHMENTS:

- ⌚ Attachment A: Project Extents Boyd Parallel Interceptor
- ⌚ Attachment B: Project Extents Wilson Ave Flood Mitigation
- ⌚ Attachment C: Project Extents North Lake Park Double Switch

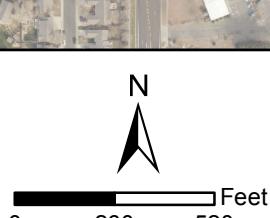
Attachment A



Attachment B

Eisenhower Blvd

Service Center



This document was prepared for internal use by the City of Loveland, CO. The city makes no claim as to the accuracy or completeness of the data contained herein.

Due to security concerns, the city requests that you do not post this document on the internet or otherwise make it available to persons unknown to you.



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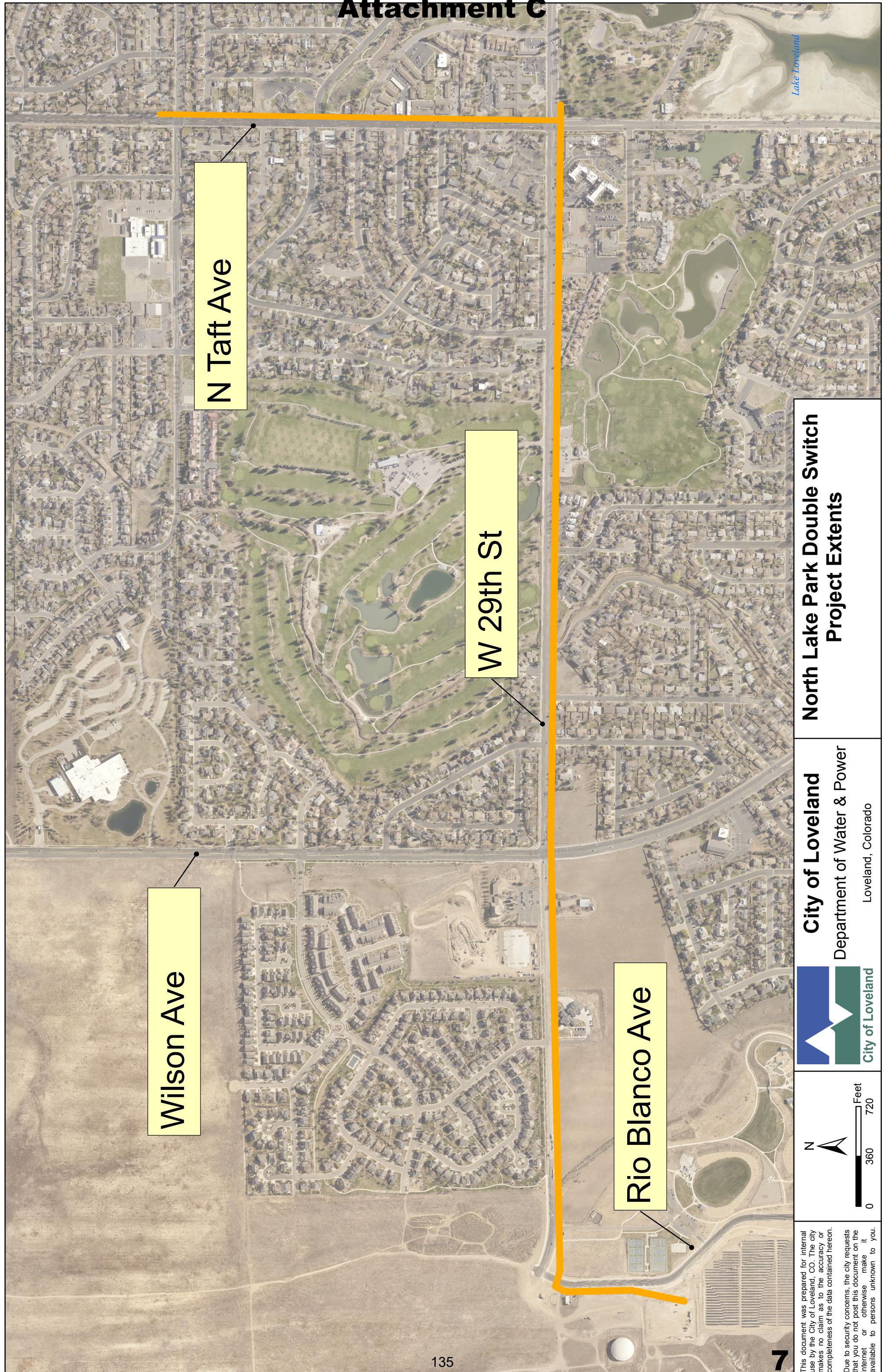


City of Loveland

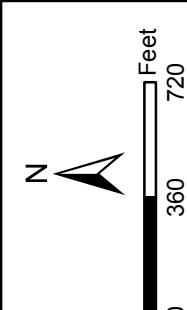
City of Loveland
Department of Water & Power
133 Loveland, Colorado

Wilson Ave
Flood Mitigation
Project Extents

Attachment C



North Lake Park Double Switch Project Extents



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ITEM TITLE:

Appointment of Loveland Utilities Commission (LUC) board members as liaisons for the 2018 Water/Wastewater Cost-of-Service Rate Study

SUMMARY:

Staff is seeking two LUC liaisons who are interested in participating in the 2018 Water/Wastewater Cost-of-Service Rate Study meetings and process. The scheduled meetings for the liaisons will be:

- ⌚ Tuesday, June 5 1:30 – 3:30
- ⌚ Monday, July 9 9:00 – 11:00

Study results will be presented and direction will be requested at these meetings.

RECOMMENDATION:

Choose two liaisons from the LUC to participate in the 2018 Water/Wastewater Cost-of-Service Rate Study review process for Loveland Water and Power.

ITEM TITLE: Installation of Directional Bore on 3rd St & RR Ave

DESCRIPTION:

Staff will provide an update to system improvements in downtown Loveland and the recent installation of a directional bore on 3rd Street under the railroad.

SUMMARY:

As downtown Loveland continues to redevelop due to the Foundry project and other associated projects, the Power division has been taking the opportunity to underground sections of our old overhead lines and enhance the reliability and capacity of the system. The Power division recently completed a directional bore of conduit underneath the Burlington Northern Railroad on 3rd street to tie the systems on the east and west side together.

The Railroad requires that all crossings be encased in a larger pipe/conduit called a casing. This casing is made of steel with a minimum thickness to provide enough strength for a live (moving) load of a fully loaded train, which is 8,000 lbs-force per linear foot of track. Power then pulls in the electrical conduit into the casing using a conduit spacer with wheel rollers. For this project, power installed a 36" steel casing with a minimum thickness of 0.5" under the railroad and the casing on this project happens to be around 200' long. This casing is large enough to install nine 6" electrical conduits inside with 3" spacing between each conduit.

This project will help our system better serve the new Foundry project and will also allow room for growth of the system in the future.

RECOMMENDATION:

Staff report. No action required.

ATTACHMENTS:

- 📎 Attachment A: PowerPoint slides



AGENDA ITEM: 10
MEETING DATE: 5/16/2018
SUBMITTED BY: Joe Bernosky
STAFF TITLE: Director



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

EVENTS:

Please note the following events that LUC members may wish to attend:

Tri-City Meeting: This year's Tri-City Meeting will be held on Thursday May 31st from 6:00 p.m. – 9:00 p.m. at the Hilton Double Tree, 9191 7th St. in Greely, CO 80634. Please RSVP to Allison Bohling if you plan on attending.

Tour of Foundry Project: The Foundry, which represents the largest single downtown redevelopment project in the City's history, is well under way. If you are interested in peeking behind the fence, Economic Development is offering guided tours of the construction site on the following dates (subject to weather and other construction contingencies):

Friday, May 25, 2018

All tours start at 9 am at the back door of 320 N. Cleveland Ave. Keith Meyer, the City's onsite construction manager, will check you in, and provide you with the appropriate safety gear. He will also lead the tour. Space is limited to no more than 10 people per tour. If interested, please contact Mike Scholl at (970) 962-2607 or mike.scholl@cityofloveland.org with which tour date you are interested in attending.

Rawhide Tour: You are cordially invited to tour Rawhide Energy Station during it's once every-three-year maintenance shutdown. This event will take place on October 11, 10:30 – 3:00. Attendees will leave the Service Center at 10:30, have lunch at Rawhide, and then tour the plant. City council will also be attending. Transportation will be provided. Please RSVP to Kathy Gross, at Kathy.Gross@cityofloveland.org or 970-962-3543.

WATER UTILITY DIVISION:

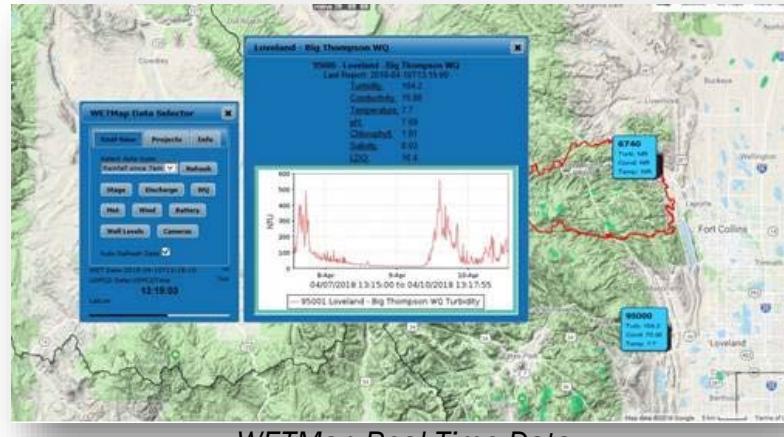
Water Quality Monitoring Station: In 2014, the Water Quality Lab installed a water quality monitoring station located at Narrows Park in the Big Thompson River. At that time the main purpose of the station was to prepare for a potential forest fire runoff. Since that time, the Narrows Park station has evolved into a tool to monitor the health of the river not only during potential forest fire runoffs, but also during seasonal changes and when unexpected events occur such as flash floods, chemical spills, algal blooms, or construction activity.

For this monitoring work, this station employs a water quality sonde. A sonde is an instrument that measures different parameters using a multitude of probes combined into a single unit. This station provides continuous monitoring and is linked to a satellite system that can transmit data in near real time. Some of the many parameters measured include conductivity, dissolved oxygen (DO), pH temperature, and turbidity.



Elevated levels of these parameters may indicate the presence of potential contaminants caused by unexpected events or may indicate the need to shut the river intake gate at the water treatment plant to avoid receiving untreatable water.

The data collected at the station is received via satellite through WETMap software, which the Water Quality Lab and Treatment Staff have access to at all times. The WETMap software has the capability of emailing out alerts to Water Quality Lab Staff and Treatment Staff when turbidity reaches above 75 NTUs for 15 minutes or longer. This enables the operations of the water treatment plant to be adjusted quickly when there would be potential challenges in treating incoming river water.



WETMap Real Time Data

With the current construction happening in the Big Thompson River, it is extremely important to monitor the river at all times due to the possibility of potential contaminants. The monitoring station was recently installed at the end of March, 2018, and will continue to monitor the river through November of this year. At that time, the monitor will be removed to avoid freeze damage.

New Water Quality Lab: HDR Engineering completed the conceptual design and cost estimate for the proposed water quality lab in November of 2017. We are planning to move forward with final design starting this May, and expect to be ready for bidding in December of 2018. Construction is scheduled to begin in early in 2019 with a \$5M budget that includes all of the new laboratory equipment. The new lab will be located on the east side of the wastewater treatment plant site.

Snowpack Update: Mountain snowpack conditions continue to be below normal. However, the last few mountain snow storms have increased the anticipated runoff conditions and eased the fears of some concerned with going into a severe drought. As of April 16, 2018, the Bear Lake NRCS SNOTEL site in the headwaters of the Big Thompson River had a snow water equivalent (SWE) of 18.4 inches, which equates to 74% of the Median (1981-2010 data) for this site. Looking ahead, it will be important that snow storms continue in the high country to maintain a decent snow pack until the spring runoff occurs, usually starting in May. Conditions are currently dry on the farms and plains, with low soil moisture levels. Several river calls have already been placed on either the Big Thompson River or the South Platte River and some farmers have started irrigating their fields to help build up the soil moisture.

Wastewater Model Update: The Water and Power Department is working to upgrade its wastewater model in 2018. The wastewater model is a computer run hydraulic model that features all of the sanitary sewer lines and manholes within the City of Loveland wastewater system. The model has current and proposed wastewater loadings. Results from the model show the expected depth of flow in each pipe. These results allow staff to predict and plan for future capacity project needs and also aid staff in reviewing capacity available for proposed developments. The department has a current model that was completed in 2012 and it is necessary to update this planning tool due to growth that has occurred and wastewater loading changes.

Wastewater Treatment Plant Biological Nutrient Removal and Digester Project:

After months of preparation and relocation of numerous underground utilities, Garney Construction began to construct those elements that are related to the new Biological Nutrient Removal (BNR) treatment process. Those elements include the new Return Activated Sludge (RAS) anoxic tank (pictured below) as well as the modifications to each of the six existing aeration basins.



Each aeration basin will receive new fine bubble diffusers for the aerated zones (pictured below, left) in addition to a new large bubble mixing system for the mixed zones (pictured below, right). Once complete, these new systems and anoxic tankage will work in unison to reduce the nutrient levels to meet the new discharge limits to the Big Thompson River.

Other ongoing construction activities include the completion of the structural concrete for both of the new digester tanks.

At the current 40% level of completion, the project continues to be on schedule and on budget.



POWER

Electric Line Crews: Line Crews: The Line Crews take every opportunity for Line Apprentices to construct overhead configurations. With activity moving forward on the 911 Canyon Circuit Rebuild, Sylvan Dale Ranch is getting an overhead system facelift. Therefore the Line Apprentices took on the task to build the new overhead 3-phase transformer bank that feeds the electrical service for the main office/lobby of the ranch. The conditions were perfect for this opportunity as the overhead construction including the pole and primary lines were in place to simulate real conditions, with one exception; the new lines were not energized. This led the foundation for a scenario for our 6th Step Apprentice, Tim Slama, to lead Jon Martin and Jordan Detterer, both 2nd Step Apprentices, in the construction of this new overhead system. Line Crew Supervisor Tobin Roitsch and Journeyman Cameron Jacobs monitored the work from the ground. The day prior to the work, the team met to go over what was to be accomplished on the project. This proved vital as the overhead build was completed safely, and when the crews actually heated up the system, it performed as it should. The goals of the apprenticeship is to have each apprentice see and touch as many construction builds as possible, especially those that are not very common. Over time, the art of overhead construction will dwindle as electrical distribution systems are installed underground. However, for now these three Lineworker Apprentices had the opportunity to challenge themselves and succeed on this project. Photos below.

UTILITY:



Electric Metering: The month of April brought an increased amount of new building reviews for the Electric Metering group.

- 21 new commercial buildings were reviewed and approved for submittal of permit. Three of those being proposed core and shell buildings with multiple tenant spaces came in for review and Metering verified that all associated electrical one-lines and service entrance points followed the new requirements and standards for electric service.
- Six new residential solar applications were reviewed and bi-directional meters were installed.

Below is a photo of a new 800 amp commercial service that was energized in April.

The Foundry project downtown will have a total of 62 metered services energized by the end of the month. All of the electric meters being installed at the Foundry mixed-use project will be able to provide the associated customer with the capability to view and monitor their electric usage online through a customer portal. This added capability will allow customers to better understand their usage habits and aid them in reducing their overall energy usage if they wish to do so.



The pictures below are from the Lincoln Building at the Foundry where there will be 62 individual electric services. The electric meters are only installed after all final electric inspections are completed and passed by the Building Division (for NEC and City of Loveland Power Standards).



UTILITY ACCOUNTING DIVISION:

10-Year CIPs Submitted: The 10-Year CIPs for water, raw water, wastewater and power have been submitted to the City's budget office. These CIPs will be presented to City Council at a study session on June 12. A big challenge that was faced as a part of this year's process is accommodating a significant decrease in the projected System Impact Fee (SIF) and Plant Investment Fee (PIF) revenues over the next ten years. Staff analyzed 2017 SIF and PIF revenues and factored in lower growth projections from Strategic Planning to arrive at these lower revenue totals. To accommodate these revenue decreases, water programmed in external loans of \$4 million in 2020 and \$5 million in 2028 to help pay for two new storage tanks and a \$13 million loan in 2024 to help fund a water line extension to Highway 402 and I-25. Wastewater has a \$1 million internal loan scheduled for 2019, a \$9.5 million external plugged in in 2022 to help fund two major wastewater line projects and a \$17.7 million external loan assumed in 2024 to help fund a wastewater line extension to Highway 402 and I-25. Power is not projecting to need any loans over the next 10 years, but some non-critical projects were delayed and re-budgeted in future years. \$37.6 million of borrowing is proposed in raw water in 2019 to help finance the utility's increased participation in and the dramatically increased cost estimate for the construction of the Chimney Hollow Reservoir and the purchase of a site for downstream storage.

Wastewater Winter Quarter Average: The figures are in, and they look good with regard to a substantial piece of our wastewater revenues. Our total wastewater projected sales for 2018 are \$12.6 million. Our Single Family Residential revenues are projected to be \$7.8 million for the year, and are based on the Winter Quarter Average (WQA) consumption. Our WQA consumption is based on the window of December

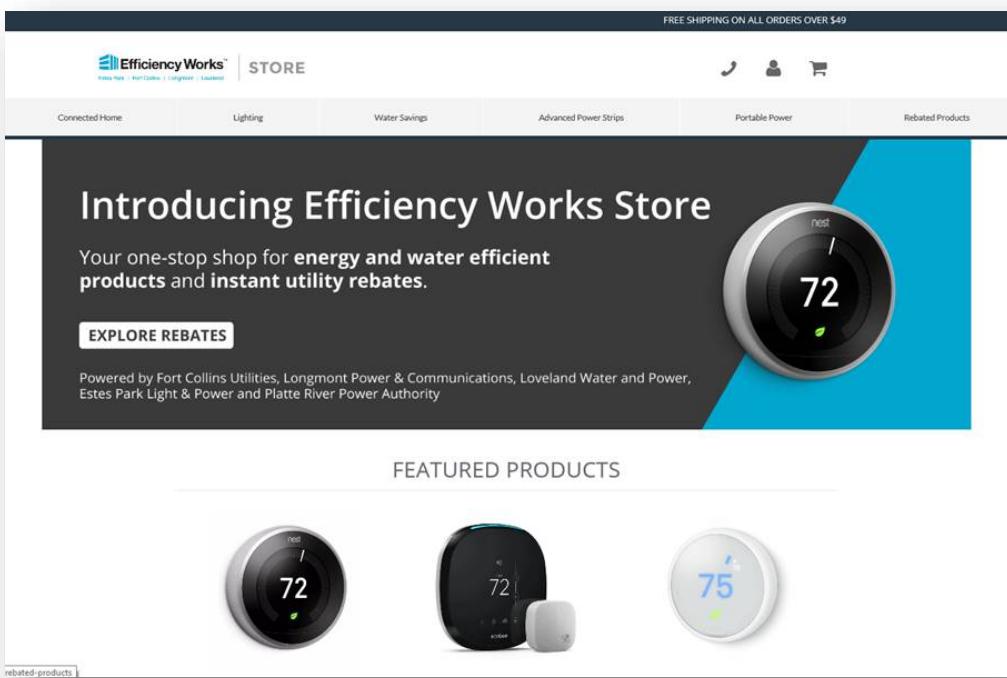
2017 – February of 2018, and the actual WQA came in slightly higher (0.5%) than the budgeted projection. This is projected to lead to Single Family Residential revenues coming in very close compared to budget. WQA for Multi-Family Residential came in above budgeted projections by 6.0%, and should lead to revenues coming in above budget for that class. What this means is that the revenue we receive from our Single Family Residential and Multi-Family Residential WQA customers for 2018 should come in above budgeted figures. When you total the revenues from these WQA customers with the revenue from our Flat Rate customers, it makes up 82% of our total wastewater sales. So, the components that make up 82% of our Wastewater revenues should come in above budgeted projections for the year.

Still Among the Lowest: The Colorado Association of Municipal Utilities (CAMU) has published their most recent survey of typical electric bills, and Loveland continues to have one of the lowest bills in the state. This survey is updated twice a year, and the most recent survey is based on rates effective on January 1, 2018. The survey includes 58 utilities from throughout the state, and includes municipally-owned utilities, co-ops and investor-owned utilities. Of the 58 utilities surveyed, Loveland had between the 6th lowest and 9th lowest typical bill for all of the categories surveyed (Residential, Small Commercial, Large Commercial and Industrial).

CUSTOMER RELATIONS DIVISION:

Aggregated Metering: Staff met with members from the metering division, utility billing, engineering, and planning to discuss aggregated metering, how it affects our customers and best practices. We will meet several times over the coming months to explore best practices.

Efficiency Works Store: The Efficiency Works Store is officially live. The Efficiency Works online store will allow customers to purchase selected energy efficient products at an already discounted price. Staff is working to expand the platform to support our ability to provide targeted, instant, in-store rebates for selected energy-efficient products in participating retailers. You can visit the store by going to www.efficiencyworksstore.com.



The screenshot shows the homepage of the Efficiency Works Store. At the top, there is a navigation bar with links for 'Connected Home', 'Lighting', 'Water Savings', 'Advanced Power Strips', 'Portable Power', and 'Rebated Products'. The top right corner features a 'STORE' button, a user icon, and a shopping cart icon. A banner at the top right says 'FREE SHIPPING ON ALL ORDERS OVER \$49'. The main banner features a large image of a Nest Learning Thermostat set to 72 degrees. The text in the banner reads: 'Introducing Efficiency Works Store' and 'Your one-stop shop for energy and water efficient products and instant utility rebates.' Below the banner is a 'EXPLORE REBATES' button. A small note at the bottom of the banner says 'Powered by Fort Collins Utilities, Longmont Power & Communications, Loveland Water and Power, Estes Park Light & Power and Platte River Power Authority'. Below the banner, there is a section titled 'FEATURED PRODUCTS' with images of three different smart thermostats.

Community Solar: Platte River Power Authority has received and is currently reviewing responses to the RFP for the joint community solar program. Staff is investigating potential program administration models and partners.

Broadband Education and Outreach: Staff has contracted with FYN PR for assistance with education and outreach needs. A communications plan is being developed and internal communications are already underway.

School District Staff: Staff discussed the key accounts program and the long-standing relationship between LWP and the school district. We discussed our outreach and public information role and how we can work more closely together. We will meet quarterly in the future to discuss ongoing projects and collaboration opportunities.

Drinking Water Week: Staff is designing outreach and education to celebrate Drinking Water Week.

RP3 Designation: Staff is collaborating with the power division to announce the RP3 Diamond designation from APPA.

NOCO Manufacturing Expo: Staff co-hosted a booth with Economic Development at the Northern Colorado Manufacturing Expo.

Thompson School District Career Fair: Staff will be hosting a table at the District Career Fair that will be open to students in 5th grade through high school. We will have representation from Water, Power, Engineering and Customer Relations.

Community Outreach: Loveland Water and Power will be attending the following upcoming events:

- Community Lecture Series: Native Plats – May 8, 2018
- Children’s Water Festival – May 2, 2018
- Garden-in-a-box Pick up – May 10, 2018

Facebook Insights (April 2018):

- Reach (unique users) – 4,165 people
- Engagement (unique users) – 329 people
- Impressions (total count) – 13,325 people

Media:

- Reporter Herald – April 13, 2018: [Annual fire hydrant flushing to begin in Loveland next week](#)
- Reporter Herald – April 12, 2018: [Northern Water increases quota for Colorado-Big Thompson](#)
- Reporter Herald – April 17, 2018: [High winds topple trees, cause damages, outages](#)
- Reporter Herald – April 18, 2018: [Tuesday's wind gusts hit 80 mph in west Loveland; cleanup continues today](#)
- Reporter Herald – April 19, 2018: [Spring fire hydrant flushing to begin next week in southwest Loveland](#)
- Reporter Herald – April 25, 2018: [Loveland's 31-year-old utility billing system to receive \\$6.6 million update](#)
- Reporter Herald – April 25, 2018: [Thompson District replacing school faucets that tested for elevated lead](#)
- Reporter Herald – May 1, 2018: [As spring thunderstorms approach, Loveland residents asked to be prepared](#)

UTILITY APPLICATION SERVICES DIVISION:

Job Cost Accounting Software: We are working together with AAC to develop a Business Requirements Document to provide to a vendor that currently has a presence at the City of Loveland. Based on the outcome, the decision will be made to go with the current vendor or release an RFP.

Utility Application Positions: Our new Senior GIS Specialist will be joining the team on May 14th, and our new GIS Specialist will be joining us on May 29th.

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 LWP Technology Steering Committee. There are currently 21 approved projects in our queue. The smaller, maintenance-type jobs are tracked as service requests. So far this year we have completed 55 requests within an average of 7.14 days. These are the numbers broken down by type:

Application Requests – 2.65 days

Application Support – 13.08 days

Data Requests – 8.66 days

Hardware Support – 11.22 days

Map Requests – 5.91 days

Report Requests - 1.33 days

GENERATION, TRANSMISSION & NORTHERN COLORADO UTILITY REPORTS:

Northern Water Conservancy District: Meeting materials from the April 12, 2018 board meeting are available [online](#). The minutes have not been posted yet. The next board meeting will be held on Thursday, May 10, 2018 at 9 am at Northern Water headquarters located at 220 Water Ave, Berthoud, CO 80513.

Platte River Power Authority (PRPA): Meeting materials from the April 26, 2018 board meeting are available [online](#). The minutes have not been posted yet. The next board meeting will be held on May 31, 2018 at 9 am at PRPA headquarters located at 2000 E. Horsetooth Rd, Fort Collins, CO 80525.

Fort Collins Energy Board: The next board meeting will be held on Thursday, May 10 at 5:30 pm at the Colorado River Community Room, 222 LaPorte Avenue, Fort Collins, CO. Meeting materials are available [online](#).