



LOVELAND UTILITIES COMMISSION

REGULAR MEETING

May 18, 2016 - 4:00 p.m.
Service Center Board Room
200 North Wilson Avenue



AGENDA

4:00 pm - CALL TO ORDER

4:05 pm - APPROVAL OF MINUTES - 4/20/2016

NEW EMPLOYEE INTRODUCTION – Jeremy Horner, Eric Wilson

CITIZENS REPORTS

Anyone in the audience may address the LUC on any topic relevant to the commission. If the topic is an item on the Consent Agenda, please ask for that item to be removed from the Consent Agenda. Items pulled will be heard at the beginning of the Regular Agenda. Members of the public will be given an opportunity to speak to any item on the Regular Agenda during the Regular Agenda portion of the meeting before the LUC acts upon it. If the topic is an item on the Staff Report, members of the public should address the Commission during this portion of the meeting as 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.

CONSENT AGENDA

1. PVC Conduit and Accessories Bid 2016 Contract Award – Steve Johnson
2. Change order for GE Construction Annual Substructure Projects for 2016 – Kent Aspinall
3. Change order for Colorado Boring Annual Directional Boring Projects for 2016 – Kent Aspinall

4:15 pm - REGULAR AGENDA

4. Opportunities for Revenue Through Long Term Water Right Leasing – Greg Dewey
5. Foothills Substation Transformer Contract Award for FEMA Alternate Project – Frank Lindauer
6. 2017 10 Year Capital Improvement Program – Roger Berg, Christine Schraeder and Jim Lees

5:15 pm - STAFF REPORT

7. CAMU Legislative Update – Dan Hodges
8. Redefining our Key Accounts Program – Gretchen Stanford and Tracey Hewson

Executive Session – to discuss confidential commercial and financial information protected under the Open Meetings Law and City Charter and/or the Colorado Open Records Act. The Executive Session will take place prior to the public consideration, discussion and any possible action.

5:45 pm - 9. COMMISSION / COUNCIL REPORTS

- Power Cost-of-Service Study Kickoff Meeting – April 29, 2016
- ISO Celebration Breakfast – May 6, 2016

6:00 pm - 10. DIRECTOR'S REPORT – Separate Document

6:15 pm - INFORMATION ITEMS

11. Electric Legislative Update – Kim O'Field
12. Water Legislative Update – Michelle Stalker
13. Water Supply Update – Larry Howard
14. Financial Report Update – Jim Lees

6:20 pm - ADJOURN

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"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 bettie.greenberg@cityofloveland.org o al 970-962-3319".

Commission Members Present: Dan Herlihey, Dave Kavanagh, David Schneider (Vice Chair), Gary Hausman, Larry Roos, Jennifer Gramling, John Rust Jr., Randy Williams

Commission Members Absent: Gene Packer (Chairman) (excused)

City Staff Members: Alicia Calderón, Allison Bohling, Bob Miller, Calos Medina (left after introductions), Carrie Burgess (left after introductions), Chad Birgenheier (left after introductions), Daniel Williams (left after introductions) Garth Silvernale, Greg Dewey, Gretchen Stanford, Jean Mullett-Hosey (left after item 1) Jim Lees (left after item 3), John Beckstrom, Kim Frick, Kim O'Field, Larry Howard, Michelle Stalker, Roger Berg, Tom Greene.

Acting Chairman: Dave Schneider acted as chairman for the April 20, 2016 LUC meeting.

Acting Director: Gretchen Stanford acted as Loveland Water and Power Director for the April 20, 2016 meeting.

CALL TO ORDER: Dave Schneider called the meeting to order at 4:03 pm.

APPROVAL OF MINUTES: Schneider asked for a motion to approve the minutes of the March 16, 2016 meeting.

Motion: Gary Hausman made the motion to approve the minutes of the March 16, 2016 meeting.

Second: Dave Kavanagh seconded the motion. The minutes were approved unanimously.

Comments: Dan Herlihey abstained from the approval of minutes, because he was not present at the March 16, 2016 meeting.

NEW EMPLOYEE INTRODUCTION – Carlos Medina, Carrie Burgess, Daniel Williams, and Jean Mullett-Hosey

REGULAR AGENDA

Item 1: 2016 1st Quarter Goal Updates Report – Steve Adams This is a quarterly review of our progress on our 2016 utility goals.

Recommendation: Review enclosed 2016 1st Quarter Goals and provide feedback to departmental staff.

Comments: Larry Roos asked for Tom Greene to give an update on the remaining 15% of the work to be done on Water Treatment Plant Expansion project. Greene mentioned that the asphalt still needs to be put in and work is still being done to finish the west chemical building. Roos requested more information about the project listed as goal 11, on page 12. Gretchen Stanford provided a summary of the project, including the review of possible community solar garden locations, previous feasibility studies, financing options, timeline and process to submit for a Request for Proposal (RFP). Staff and board discussed details of this project including the infrastructure and current renewable energy programs.

Item 2: Appointment of Loveland Utilities Commission (LUC) board members as liaisons for the 2016 Power Cost-of-Service Study – Jim Lees & Steve Adams Selection of at least two LUC Liaisons for the 2016 Power Cost-of-Service Rate Study.

Recommendation: Choose at least two liaisons from the LUC to participate in the 2016 Power Cost-of-Service Rate Study review process for the Water & Power Department

Comments: Larry Roos and Dave Schneider volunteered to participate in the 2016 Power Cost-of-Service Rate Study. Schneider encouraged Loveland Utilities Commission (LUC) board members to participate.

STAFF REPORTS

Item 3: Financial Report Update – Jim Lees This item summarizes the monthly and year-to-date Preliminary financials for March 2016.

Staff Report only. No action required.

Comments: Schneider asked for clarification on the information listed on the wastewater financials, page 21. He asked if the recommended adjustments from the 2015 Wastewater Cost-of-Service Study have been taken fully into account yet. Lees responded that this year's financials include the \$24.9 million dollar loan for improvement projects that were suggested by City Council during the 2015 Cost-of-Service Study.

COMMISSION/COUNCIL REPORTS

Item 4: Commission/Council Reports

- Colorado Budget Process Webinar – April 6, 2016
- Northern Water's Spring Water Users Meeting – April 13, 2016
- Managing the Colorado River in the 21st Century: Shared Risks and Collaborative Solutions Webinar – April 14, 2016

Dan Herlihey: Mentioned that he recently heard of water quality concerns regarding lead in drinking water. He asked what public outreach Loveland Water and Power (LWP) is doing and if we have received any concerns from the public. Stanford mentioned LWP's recent blog post addressing this topic and also mentioned that Customer Relations will be putting together a press release and adding information to the webpage. Herlihey added that it would be beneficial to communicate that we are meeting or exceeding standards for lead. Herlihey stated that he was not present at the last meeting LUC because he was in Chile on a fishing trip. He summarized his trip and overall experience.

Dave Kavanagh: He said he recently read an article about a father and son in Boulder buying water and selling it at a higher price to frackers. Howard reviewed why this was illegal in this situation and what LWP does to prevent similar situations.

Dave Schneider: Stated that it was unfortunate that there was not a lot of LUC members present at the recent webinars. He reviewed the content presented and expressed opinions about topics he would like to hear more about. Howard and Schneider continued to discuss long-range water planning. He added that he hopes these topics will be addressed in future webinars. He suggested that each board member pick five terms/topics in water and make a goal to learn more about those terms and have some discussion about these terms. He continued and highlighted presentations and topics given at the Colorado Water Congress and suggested that LWP should make a donation in addition to our regular membership dues. Staff provided an overview of how much we contribute to Colorado Water Congress. Greg Dewey mentioned that in a future meeting LWP can create a list of all the organizations LWP contributes to and the amounts.

Gary Hausman: nothing to report

Jennifer Gramling: nothing to report

John Rust Jr: Highlighted his concerns about the sand removal, storm drainage and erosion into Lake Loveland. He said that he would like to have a better relationship with the ditch companies and increase maintenance, cooperation and enhance relationships. He suggested that the LUC board get together with representatives from the ditches and start work together. Howard agreed and added that this has been a goal of his to support and cooperate to keep their facilities in good condition. Howard reviewed the reasons why ditches are assets to the city and LWP. He had mentioned that LWP does try to work together in all instances possible. He reviewed examples of our partnership and cooperation. Board and staff discussed ways to improve communications and address any concerns. Dewey mentioned the Spring Clean Up that Public Works does. Roos mentioned his experience with the ditch near his house and the communication he has received from the ditch company. Staff and board continued to discuss this topic and future steps to be taken to address this issue and make improvements.

Larry Roos: nothing to report

Randy Williams: nothing to report

Council Report: On Councilor Troy Krenning's behalf, Gretchen Stanford provided an update on City Council items related to the Water and Power Department which have been seen by the City Council during their normal meetings scheduled since the last LUC meeting.

Regular Meeting – April 5, 2016

- *A Motion to approve on First Reading, an Ordinance enacting a supplemental budget and appropriation to the 2016 City of Loveland Budget for the Broadband Initiative. Presented by Steve Adams and Brent Worthington*

City Council Study Session – April 12, 2016

- *Karl Baron presented an update on the new Comprehensive Plan, Create Loveland before it will be brought to Council for an adoption hearing.*

Regular Meeting – April 19, 2016

- *A Motion to approve on Second Reading, an Ordinance enacting a supplemental budget and appropriation to the 2016 City of Loveland Budget for the Broadband Initiative. Presented by Steve Adams and Brent Worthington*

DIRECTOR'S REPORT

Item 5: Director's Report – Steve Adams

Comments: Herlihey asked what LUC's role is in the broadband initiative. O'Field mentioned that at this point they will just be receiving information about current happenings. If it is incorporated as part of the utility then there might be additional discussion about this topic and LUC's involvement. Board and staff discussed the joint meeting with the Fort Collins Energy Board, the upcoming Tri-City meeting, Passport to Water and Power and recent updates from the FEMA Solar and Substation Alternate Project.

Staff provided and handout at the meeting of the news release and attached map in reference to the new rating analysis from the Insurance Services Office (ISO).

INFORMATION ITEMS

Item 6: 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.

Staff Report only. No action required.

Comments: Schneider mentioned the importance of the electric and water legislation and encouraged board members and staff to stay involved.

Item 7: Water Legislative Update – Michelle Stalker This item and the attachment are 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.

Staff Report only. No action required. An updated Snow–Water Equivalent Chart for Bear Lake SNOTEL Station was distributed at the meeting.

Item 8: Projection for raw water supply in 2016. Projection for raw water supply in 2016.

Staff Report only. No action required.

ADJOURN The meeting was adjourned at 6:00 pm. The next LUC Meeting will be May 18, 2016 at 4:00 pm.

Respectfully submitted,

Allison Bohling
Recording Secretary
Loveland Utilities Commission



CITY OF LOVELAND

WATER & POWER DEPARTMENT

200 North Wilson • Loveland, Colorado 80537

(970) 962-3000 • FAX (970) 962-3400 • TDD (970) 962-2620

AGENDA ITEM: 1

MEETING DATE: 5/18/2016

SUBMITTED BY: Steve Johnson, Buyer

TITLE: PVC Conduit and Accessories Bid 2016-16 Contract Award

DESCRIPTION:

Award of a one year contract to Western United Electric Supply Corporation for PVC Conduit and Accessories, Bid 2016-16. Through the Municipal Code, City Council has previously authorized LUC the option of approving contracts exceeding \$500,000. This authorization reduces the number of items that go to Council for consideration and increases the City's efficiency. Under these circumstances, the City Manager then signs the supply contract after LUC approval. This contract approval is being brought forward for LUC action.

SUMMARY:

On 14 April 2016 the City of Loveland received sealed bids for our PVC Conduit and Accessories needs. These materials are used for construction of the City of Loveland's electrical distribution system. Bidder(s) name and total amounts for estimated PVC quantities are as follows.

- Western United Electric Supply Corporation \$899,191.85
- WESCO Distribution \$ 982,111.75
- Stuart Irby \$966,020.81
- Fort Collins Winlectric \$ 284,983.75 (Stick conduit not included in bid)

After comprehensive evaluations, the City of Loveland Electrical Specification Committee has unanimously agreed that a contract should be awarded to Western United Electric Supply Corporation in the amount of \$899,191.85. Justification for this recommendation for award to Western United Electric Supply Corporation is due to being the lowest responsive, responsible bidder.

RECOMMENDATION:

Award the contract for PVC Conduit and Accessories to Western United Electric Supply Corporation in an amount not to exceed \$899,191.85 and authorize the City Manager to execute the contract on behalf of the City.

REVIEWED BY DIRECTOR:

JB for SA

ATTACHMENTS:

- Attachment A: Bid Tabulation

Attachment A

Bid Tabulation
PVC Conduit and Accessories 2016-16
Opened 14 April 2016

Vendor 

Bid Price X Estimated Quanty

Item Description	City stock #	Est Qty	Price	FORT COLLINS WINLECTRIC	IRBY	WESCO	WESTERN UNITED
2" PVC CONDUIT 20' W/ BELL SCHED 40	181-00110	44000		NB	\$22,858.00	\$23,760.00	\$20,680.00
4" PVC CONDUIT 20' W/ BELL SCHED 40	181-00040	92000		NB	\$126,132.00	\$128,800.00	\$115,000.00
5" PVC CONDUIT 20' W/ BELL SCHED 40	181-00050	2000		NB	\$3,872.20	\$3,960.00	\$3,540.00
6" PVC CONDUIT 20' W/ BELL SCHED 40	181-00120	210000		NB	\$533,589.00	\$546,000.00	\$485,100.00
4" BORING PVC CONDUIT 20' SCHED 40	181-00152	18000		\$45,000.00	\$48,897.00	\$46,980.00	\$45,180.00
5" BORING PVC CONDUIT 20' SCHED 40	181-00155	540		\$1,836.00	\$2,144.66	\$1,917.00	\$1,846.80
6" BORING PVC CONDUIT 20' SCHED 40	181-00162	26000		\$117,000.00	\$127,085.40	\$121,940.00	\$117,520.00
4" ELBOW (bell end) 90 DEG 48" RADIUS SCHED 40	181-00069	140		\$2,107.00	\$2,305.80	\$2,195.20	\$2,247.00
4" ELBOW (bell end) 90 DEG 36" RADIUS SCHED 40	181-00045	110		\$803.00	\$885.50	\$838.20	\$836.00
4" ELBOW (bell end) 45 DEG 48" RADIUS SCHED 40	181-00041	130		\$1,521.00	\$1,401.40	\$1,583.40	\$1,567.80
4" ELBOW 11.25 DEG 24" RADIUS SCHED 40	181-00043	100		\$845.00	\$485.00	\$879.00	\$880.00
4" CONDUIT PLUG W/PULL TAB	181-00042	300		\$240.00	\$246.00	\$252.00	\$255.00
4" PVC EXPANSION COUPLING	181-00042	45		\$1,710.00	\$1,534.05	\$1,781.10	\$1,800.00
4" PVC COUPLING SLIP-SLIP	181-00094	200		\$250.00	\$268.00	\$258.00	\$264.00
2"- 4" U-GUARD VENTED BOOT	181-00076	30		\$729.00	\$791.40	\$759.60	\$775.50
5" ELBOW (bell end) 45 DEG 48" RADIUS SCHED 40	181-00047	30		\$493.50	\$407.40	\$513.30	\$522.00
5" ELBOW 11.25 DEG 36" RAD SCHED 40	181-00054	30		\$369.00	\$228.90	\$384.60	\$390.00
5" ELBOW (bell end) 90 DEG 24" RADIUS SCHED 40	181-00058	10		\$127.00	\$138.00	\$132.10	\$134.00
5" ELBOW (bell end) 90 DEG 48" RADIUS SCHED 40	181-00059	10		\$298.00	\$211.30	\$310.50	\$317.00
5" PVC COUPLING SLIP-SLIP	181-00095	50		\$157.50	\$154.00	\$163.00	\$166.00
5" EXPANSION COUPLING	181-00048	5		\$343.25	\$289.00	\$357.75	\$361.50
4"-6" U-GUARD VENTED BOOT	181-00075	25		\$1,640.00	\$1,780.25	\$1,708.75	\$1,725.00
6" ELBOW 11.25 DEG 36" RAD SCHED 40	181-00121	160		\$3,264.00	\$1,912.00	\$3,396.80	\$3,432.00
6" ELBOW (bell end) 45 DEG 48" RADIUS SCHED 40	181-00122	90		\$1,530.00	\$1,600.20	\$1,596.60	\$1,629.00
6" ELBOW (bell end) 90 DEG 48" RADIUS SCHED 40	181-00123	120		\$3,852.00	\$4,176.00	\$4,006.80	\$4,092.00
6" SLIP/SLIP COUPLING SCHEDULE 40	181-00124	120		\$480.00	\$502.80	\$500.40	\$510.00
6" CONDUIT PLUG W/PULL TAB SCHEDULE 40	181-00125	200		\$280.00	\$276.00	\$290.00	\$294.00
6" EXPANSION COUPLING	181-00126	20		\$1,475.00	\$1,598.00	\$1,537.60	\$1,571.00
2" HD U-GUARD MOLDING 10'	181-00072	25		\$213.75	\$231.25	\$222.25	\$227.00
4" HD U-GUARD MOLDING 10'	181-00070	25		\$1,376.25	\$598.50	\$574.50	\$586.25
5" HD U-GUARD MOLDING 10'	181-00074	20		\$588.00	\$638.40	\$612.80	\$626.00
6" PVC BASE SPACERS	181-00142	9000		\$10,800.00	\$10,710.00	\$10,980.00	\$11,070.00
6" INTERMEDIATE SPACERS	181-00143	9000		\$13,500.00	\$10,620.00	\$13,860.00	\$13,950.00
PVC CONDUIT CEMENT QT	181-00005	600		\$4,608.00	\$4,614.00	\$4,980.00	\$5,670.00
2.5" ELBOW 45 DEGREES 24" RADIUS	181-00115	300		\$1,920.00	\$1,323.00	\$1,995.00	\$2,016.00
2" ELBOW 90 DEG 24" RAD	181-00113	30		\$67.50	\$73.20	\$69.90	\$71.40
ADAPTER 2" TO METER BOX	181-00013	40		\$284.00	\$307.20	\$295.20	\$301.20
ADAPTER 2.5" TO METER BOX	181-00014	40		\$376.00	\$406.00	\$390.40	\$398.40
6W30-1 Wunpeece Spacer	N/A	3000		\$7,500.00	\$5,850.00	\$5,910.00	\$5,940.00
6W30-2 Wunpeece Spacer	N/A	6000		\$29,700.00	\$23,280.00	\$23,520.00	\$23,700.00
H26-30-24 Hold down Bar w/ clip	N/A	5000		\$27,500.00	\$21,600.00	\$21,900.00	\$22,000.00
				\$284,783.75	\$966,020.81	\$982,111.75	\$899,191.85

Bid Tabulation		
PVC Conduit and Accessories 2016-16		
Opened 14 April 2016		

Vendor 

Item Description	City stock #	Est Qty	FORT COLLINS WINLECTRIC	Totals
2" PVC CONDUIT 20' W/ BELL SCHED 40	181-00110	44000	NB	
4" PVC CONDUIT 20' W/ BELL SCHED 40	181-00040	92000	NB	
5" PVC CONDUIT 20' W/ BELL SCHED 40	181-00050	2000	NB	
6" PVC CONDUIT 20' W/ BELL SCHED 40	181-00120	210000	NB	
4" BORING PVC CONDUIT 20' SCHED 40	181-00152	18000	\$2.50	\$45,000.00
5" BORING PVC CONDUIT 20' SCHED 40	181-00155	540	\$3.40	\$1,836.00
6" BORING PVC CONDUIT 20' SCHED 40	181-00162	26000	\$4.50	\$117,000.00
4" ELBOW (belled end)90 DEG 48" RADIUS SCHED 40	181-00069	140	\$15.05	\$2,107.00
4" ELBOW (belled end) 90 DEG 36" RADIUS SCHED 40	181-00045	110	\$7.30	\$803.00
4" ELBOW (belled end) 45 DEG 48" RADIUS SCHED 40	181-00041	130	\$11.70	\$1,521.00
4" ELBOW 11.25 DEG 24" RADIUS SCHED 40	181-00043	100	\$8.45	\$845.00
4"CONDUIT PLUG W/PULL TAB	181-00042	300	\$0.80	\$240.00
4" PVC EXPANSION COUPLING	181-00042	45	\$38.00	\$1,710.00
4" PVC COUPLING SLIP-SLIP	181-00094	200	\$1.25	\$250.00
2"- 4" U-GUARD VENTED BOOT	181-00076	30	\$24.30	\$729.00
5" ELBOW (belled end) 45 DEG 48"RADIUS SCHED 40	181-00047	30	\$16.45	\$493.50
5" ELBOW 11.25 DEG 36" RAD SCHED 40	181-00054	30	\$12.30	\$369.00
5" ELBOW (belled end) 90 DEG 24"RADIUS SCHED 40	181-00058	10	\$12.70	\$127.00
5" ELBOW (belled end) 90 DEG 48"RADIUS SCHED 40	181-00059	10	\$29.80	\$298.00
5" PVC COUPLING SLIP-SLIP	181-00095	50	\$3.15	\$157.50
5" EXPANSION COUPLING	181-00048	5	\$68.65	\$343.25
4"-6" U-GUARD VENTED BOOT	181-00075	25	\$65.60	\$1,640.00
6" ELBOW 11.25 DEG 36" RAD SCHED 40	181-00121	160	\$20.40	\$3,264.00
6" ELBOW (belled end) 45 DEG 48"RADIUS SCHED 40	181-00122	90	\$17.00	\$1,530.00
6" ELBOW (belled end) 90 DEG 48" RADIUS SCHED 40	181-00123	120	\$32.10	\$3,852.00
6" SLIP/SLIP COUPLING SCHEDULE 40	181-00124	120	\$4.00	\$480.00
6"CONDUIT PLUG W/PULL TAB SCHEDULE 40	181-00125	200	\$1.40	\$280.00
6" EXPANSION COUPLING	181-00126	20	\$73.75	\$1,475.00
2" HD U-GUARD MOLDING 10'	181-00072	25	\$8.55	\$213.75
4" HD U-GUARD MOLDING 10'	181-00070	25	\$55.05	\$1,376.25
5" HD U-GUARD MOLDING 10'	181-00074	20	\$29.40	\$588.00
6" PVC BASE SPACERS	181-00142	9000	\$1.20	\$10,800.00
6" INTERMEDIATE SPACERS	181-00143	9000	\$1.50	\$13,500.00
PVC CONDUIT CEMENT QT	181-00005	600	\$7.68	\$4,608.00
2.5" ELBOW 45 DEGREES 24" RADIUS	181-00115	300	\$6.40	\$1,920.00
2" ELBOW 90 DEG 24" RAD	181-00113	30	\$2.25	\$67.50
ADAPTER 2" TO METER BOX	181-00013	40	\$7.10	\$284.00
ADAPTER 2.5" TO METER BOX	181-00014	40	\$9.40	\$376.00
6W30-1 Wunpeece Spacer	N/A	3000	\$2.50	\$7,500.00
6W30-2 Wunpeece Spacer	N/A	6000	\$4.95	\$29,700.00
H26-30-24 Hold down Bar w/ clip	N/A	5000	\$5.50	\$27,500.00
				\$284,783.75

Bid Tabulation	
PVC Conduit and Accessories 2016-16	
Opened 14 April 2016	

Vendor 

Item Description	City stock #	Est Qty	IRBY	Totals
2" PVC CONDUIT 20' W/ BELL SCHED 40	181-00110	44000	\$0.52	\$22,858.00
4" PVC CONDUIT 20' W/ BELL SCHED 40	181-00040	92000	\$1.37	\$126,132.00
5" PVC CONDUIT 20' W/ BELL SCHED 40	181-00050	2000	\$1.94	\$3,872.20
6" PVC CONDUIT 20' W/ BELL SCHED 40	181-00120	210000	\$2.54	\$533,589.00
4" BORING PVC CONDUIT 20' SCHED 40	181-00152	18000	\$2.72	\$48,897.00
5" BORING PVC CONDUIT 20' SCHED 40	181-00155	540	\$3.97	\$2,144.66
6" BORING PVC CONDUIT 20' SCHED 40	181-00162	26000	\$4.89	\$127,085.40
4" ELBOW (belled end)90 DEG 48" RADIUS SCHED 40	181-00069	140	\$16.47	\$2,305.80
4" ELBOW (belled end) 90 DEG 36" RADIUS SCHED 40	181-00045	110	\$8.05	\$885.50
4" ELBOW (belled end) 45 DEG 48" RADIUS SCHED 40	181-00041	130	\$10.78	\$1,401.40
4" ELBOW 11.25 DEG 24" RADIUS SCHED 40	181-00043	100	\$4.85	\$485.00
4" CONDUIT PLUG W/PULL TAB	181-00042	300	\$0.82	\$246.00
4" PVC EXPANSION COUPLING	181-00042	45	\$34.09	\$1,534.05
4" PVC COUPLING SLIP-SLIP	181-00094	200	\$1.34	\$268.00
2"- 4" U-GUARD VENTED BOOT	181-00076	30	\$26.38	\$791.40
5" ELBOW (belled end) 45 DEG 48" RADIUS SCHED 40	181-00047	30	\$13.58	\$407.40
5" ELBOW 11.25 DEG 36" RAD SCHED 40	181-00054	30	\$7.63	\$228.90
5" ELBOW (belled end) 90 DEG 24" RADIUS SCHED 40	181-00058	10	\$13.80	\$138.00
5" ELBOW (belled end) 90 DEG 48" RADIUS SCHED 40	181-00059	10	\$21.13	\$211.30
5" PVC COUPLING SLIP-SLIP	181-00095	50	\$3.08	\$154.00
5" EXPANSION COUPLING	181-00048	5	\$57.80	\$289.00
4"-6" U-GUARD VENTED BOOT	181-00075	25	\$71.21	\$1,780.25
6" ELBOW 11.25 DEG 36" RAD SCHED 40	181-00121	160	\$11.95	\$1,912.00
6" ELBOW (belled end) 45 DEG 48" RADIUS SCHEDULE 40	181-00122	90	\$17.78	\$1,600.20
6" ELBOW (belled end) 90 DEG 48" RADIUS SCHED 40	181-00123	120	\$34.80	\$4,176.00
6" SLIP/SLIP COUPLING SCHEDULE 40	181-00124	120	\$4.19	\$502.80
6" CONDUIT PLUG W/PULL TAB SCHEDULE 40	181-00125	200	\$1.38	\$276.00
6" EXPANSION COUPLING	181-00126	20	\$79.90	\$1,598.00
2" HD U-GUARD MOLDING 10'	181-00072	25	\$9.25	\$231.25
4" HD U-GUARD MOLDING 10'	181-00070	25	\$23.94	\$598.50
5" HD U-GUARD MOLDING 10'	181-00074	20	\$31.92	\$638.40
6" PVC BASE SPACERS	181-00142	9000	\$1.19	\$10,710.00
6" INTERMEDIATE SPACERS	181-00143	9000	\$1.18	\$10,620.00
PVC CONDUIT CEMENT QT	181-00005	600	\$7.69	\$4,614.00
2.5" ELBOW 45 DEGREES 24" RADIUS	181-00115	300	\$4.41	\$1,323.00
2" ELBOW 90 DEG 24" RAD	181-00113	30	\$2.44	\$73.20
ADAPTER 2" TO METER BOX	181-00013	40	\$7.68	\$307.20
ADAPTER 2.5" TO METER BOX	181-00014	40	\$10.15	\$406.00
6W30-1 Wunpeece Spacer	N/A	3000	\$1.95	\$5,850.00
6W30-2 Wunpeece Spacer	N/A	6000	\$3.88	\$23,280.00
H26-30-24 Hold down Bar w/ clip	N/A	5000	\$4.32	\$21,600.00
				\$966,020.81

Bid Tabulation	
PVC Conduit and Accessories 2016-16	
Opened 14 April 2016	

Vendor 

Item Description	City stock #	Est Qty	WESCO	Totals
2" PVC CONDUIT 20' W/ BELL SCHED 40	181-00110	44000	\$0.54	\$23,760.00
4" PVC CONDUIT 20' W/ BELL SCHED 40	181-00040	92000	\$1.40	\$128,800.00
5" PVC CONDUIT 20' W/ BELL SCHED 40	181-00050	2000	\$1.98	\$3,960.00
6" PVC CONDUIT 20' W/ BELL SCHED 40	181-00120	210000	\$2.60	\$546,000.00
4" BORING PVC CONDUIT 20' SCHED 40	181-00152	18000	\$2.61	\$46,980.00
5" BORING PVC CONDUIT 20' SCHED 40	181-00155	540	\$3.55	\$1,917.00
6" BORING PVC CONDUIT 20' SCHED 40	181-00162	26000	\$4.69	\$121,940.00
4" ELBOW (belled end)90 DEG 48" RADIUS SCHED 40	181-00069	140	\$15.68	\$2,195.20
4" ELBOW (belled end) 90 DEG 36" RADIUS SCHED 40	181-00045	110	\$7.62	\$838.20
4" ELBOW (belled end) 45 DEG 48" RADIUS SCHED 40	181-00041	130	\$12.18	\$1,583.40
4" ELBOW 11.25 DEG 24" RADIUS SCHED 40	181-00043	100	\$8.79	\$879.00
4" CONDUIT PLUG W/PULL TAB	181-00042	300	\$0.84	\$252.00
4" PVC EXPANSION COUPLING	181-00042	45	\$39.58	\$1,781.10
4" PVC COUPLING SLIP-SLIP	181-00094	200	\$1.29	\$258.00
2"- 4" U-GUARD VENTED BOOT	181-00076	30	\$25.32	\$759.60
5" ELBOW (belled end) 45 DEG 48" RADIUS SCHED 40	181-00047	30	\$17.11	\$513.30
5" ELBOW 11.25 DEG 36" RAD SCHED 40	181-00054	30	\$12.82	\$384.60
5" ELBOW (belled end) 90 DEG 24"RADIUS SCHED 40	181-00058	10	\$13.21	\$132.10
5" ELBOW (belled end) 90 DEG 48"RADIUS SCHED 40	181-00059	10	\$31.05	\$310.50
5" PVC COUPLING SLIP-SLIP	181-00095	50	\$3.26	\$163.00
5" EXPANSION COUPLING	181-00048	5	\$71.55	\$357.75
4"-6" U-GUARD VENTED BOOT	181-00075	25	\$68.35	\$1,708.75
6" ELBOW 11.25 DEG 36" RAD SCHED 40	181-00121	160	\$21.23	\$3,396.80
6" ELBOW (belled end) 45 DEG 48"RADIUS SCHEDULE 40	181-00122	90	\$17.74	\$1,596.60
6" ELBOW (belled end) 90 DEG 48" RADIUS SCHED 40	181-00123	120	\$33.39	\$4,006.80
6" SLIP/SLIP COUPLING SCHEDULE 40	181-00124	120	\$4.17	\$500.40
6" CONDUIT PLUG W/PULL TAB SCHEDULE 40	181-00125	200	\$1.45	\$290.00
6" EXPANSION COUPLING	181-00126	20	\$76.88	\$1,537.60
2" HD U-GUARD MOLDING 10'	181-00072	25	\$8.89	\$222.25
4" HD U-GUARD MOLDING 10'	181-00070	25	\$22.98	\$574.50
5" HD U-GUARD MOLDING 10'	181-00074	20	\$30.64	\$612.80
6" PVC BASE SPACERS	181-00142	9000	\$1.22	\$10,980.00
6" INTERMEDIATE SPACERS	181-00143	9000	\$1.54	\$13,860.00
PVC CONDUIT CEMENT QT	181-00005	600	\$8.30	\$4,980.00
2.5" ELBOW 45 DEGREES 24" RADIUS	181-00115	300	\$6.65	\$1,995.00
2" ELBOW 90 DEG 24" RAD	181-00113	30	\$2.33	\$69.90
ADAPTER 2" TO METER BOX	181-00013	40	\$7.38	\$295.20
ADAPTER 2.5" TO METER BOX	181-00014	40	\$9.76	\$390.40
6W30-1 Wunpeece Spacer	N/A	3000	\$1.97	\$5,910.00
6W30-2 Wunpeece Spacer	N/A	6000	\$3.92	\$23,520.00
H26-30-24 Hold down Bar w/ clip	N/A	5000	\$4.38	\$21,900.00
				\$982,111.75

Bid Tabulation		
PVC Conduit and Accessories 2016-16		
Opened 14 April 2016		

Vendor 

Item Description	City stock #	Est Qty	WESTERN UNITED	Totals
2" PVC CONDUIT 20' W/ BELL SCHED 40	181-00110	44000	\$0.47	\$20,680.00
4" PVC CONDUIT 20' W/ BELL SCHED 40	181-00040	92000	\$1.25	\$115,000.00
5" PVC CONDUIT 20' W/ BELL SCHED 40	181-00050	2000	\$1.77	\$3,540.00
6" PVC CONDUIT 20' W/ BELL SCHED 40	181-00120	210000	\$2.31	\$485,100.00
4" BORING PVC CONDUIT 20' SCHED 40	181-00152	18000	\$2.51	\$45,180.00
5" BORING PVC CONDUIT 20' SCHED 40	181-00155	540	\$3.42	\$1,846.80
6" BORING PVC CONDUIT 20' SCHED 40	181-00162	26000	\$4.52	\$117,520.00
4" ELBOW (belled end)90 DEG 48" RADIUS SCHED 40	181-00069	140	\$16.05	\$2,247.00
4" ELBOW (belled end) 90 DEG 36" RADIUS SCHED 40	181-00045	110	\$7.60	\$836.00
4" ELBOW (belled end) 45 DEG 48" RADIUS SCHED 40	181-00041	130	\$12.06	\$1,567.80
4" ELBOW 11.25 DEG 24" RADIUS SCHED 40	181-00043	100	\$8.80	\$880.00
4" CONDUIT PLUG W/PULL TAB	181-00042	300	\$0.85	\$255.00
4" PVC EXPANSION COUPLING	181-00042	45	\$40.00	\$1,800.00
4" PVC COUPLING SLIP-SLIP	181-00094	200	\$1.32	\$264.00
2"- 4" U-GUARD VENTED BOOT	181-00076	30	\$25.85	\$775.50
5" ELBOW (belled end) 45 DEG 48"RADIUS SCHED 40	181-00047	30	\$17.40	\$522.00
5" ELBOW 11.25 DEG 36" RAD SCHED 40	181-00054	30	\$13.00	\$390.00
5" ELBOW (belled end) 90 DEG 24"RADIUS SCHED 40	181-00058	10	\$13.40	\$134.00
5" ELBOW (belled end) 90 DEG 48"RADIUS SCHED 40	181-00059	10	\$31.70	\$317.00
5" PVC COUPLING SLIP-SLIP	181-00095	50	\$3.32	\$166.00
5" EXPANSION COUPLING	181-00048	5	\$72.30	\$361.50
4"-6" U-GUARD VENTED BOOT	181-00075	25	\$69.00	\$1,725.00
6" ELBOW 11.25 DEG 36" RAD SCHED 40	181-00121	160	\$21.45	\$3,432.00
6" ELBOW (belled end) 45 DEG 48"RADIUS SCHEDULE 40	181-00122	90	\$18.10	\$1,629.00
6" ELBOW (belled end) 90 DEG 48" RADIUS SCHED 40	181-00123	120	\$34.10	\$4,092.00
6" SLIP/SLIP COUPLING SCHEDULE 40	181-00124	120	\$4.25	\$510.00
6" CONDUIT PLUG W/PULL TAB SCHEDULE 40	181-00125	200	\$1.47	\$294.00
6" EXPANSION COUPLING	181-00126	20	\$78.55	\$1,571.00
2" HD U-GUARD MOLDING 10'	181-00072	25	\$9.08	\$227.00
4" HD U-GUARD MOLDING 10'	181-00070	25	\$23.45	\$586.25
5" HD U-GUARD MOLDING 10'	181-00074	20	\$31.30	\$626.00
6" PVC BASE SPACERS	181-00142	9000	\$1.23	\$11,070.00
6" INTERMEDIATE SPACERS	181-00143	9000	\$1.55	\$13,950.00
PVC CONDUIT CEMENT QT	181-00005	600	\$9.45	\$5,670.00
2.5" ELBOW 45 DEGREES 24" RADIUS	181-00115	300	\$6.72	\$2,016.00
2" ELBOW 90 DEG 24" RAD	181-00113	30	\$2.38	\$71.40
ADAPTER 2" TO METER BOX	181-00013	40	\$7.53	\$301.20
ADAPTER 2.5" TO METER BOX	181-00014	40	\$9.96	\$398.40
6W30-1 Wunpeece Spacer	N/A	3000	\$1.98	\$5,940.00
6W30-2 Wunpeece Spacer	N/A	6000	\$3.95	\$23,700.00
H26-30-24 Hold down Bar w/ clip	N/A	5000	\$4.40	\$22,000.00
				\$899,191.85



AGENDA ITEM: 2
MEETING DATE: 5/18/2016
SUBMITTED BY: Kent Aspinall, Interim Field Engineering Supervisor

KA

TITLE: Change order for GE Construction Annual Substructure Projects for 2016

DESCRIPTION:

This item is a change order to increase the annual substructure purchase order and contract for 2016.

SUMMARY:

Currently the Water & Power Department has a contract with GE Construction, Inc. to perform the substructure work for electric utility capital improvement projects. The 2016 contract is effective from January 1, 2016 for a total of \$1,000,000 and set to expire on December 31, 2016. As of May 10, 2016 we have \$152,522.60 remaining on this \$1,000,000 contract. In order to complete the planned system improvement, conversion, development-related and aid-to-construction capital projects for the remaining of the year we will need to increase this contract amount.

The City has experienced an increase in development-driven and aid-to-construction projects in 2016 and we expect this trend to continue through the year. This has led to the need for substructure work to install the electric distribution system associated with these projects.

In accordance with Municipal Code 3.12.606B, this change order requires LUC approval since the revised contract amount exceeds \$500,000 and since the increase exceeds 20% of the original contract amount.

RECOMMENDATION:

Adopt a motion to approve the Contract change order for the Annual Substructure Projects for 2016 services with GE Construction, Inc. to increase the not-to-exceed amount to \$1,500,000 and authorize the City Manager to sign the contract change order on behalf of the City.

REVIEWED BY DIRECTOR:

AB for SA



CITY OF LOVELAND

WATER & POWER DEPARTMENT

200 North Wilson • Loveland, Colorado 80537

(970) 962-3000 • FAX (970) 962-3400 • TDD (970) 962-2620

AGENDA ITEM: 3

MEETING DATE: 5/18/2016

SUBMITTED BY: Kent Aspinall, Interim Field Engineering Supervisor

KA

TITLE: Change order for Colorado Boring Annual Directional Boring Projects for 2016

DESCRIPTION:

This item is a change order to increase the annual directional boring purchase order and contract for 2016.

SUMMARY:

Currently the Water & Power Department has a contract with Jacobs Investments, LLC dba Colorado Boring Company to perform the directional boring work for electric utility capital improvement projects. The 2016 contract is effective from January 1, 2016 for a total of \$1,000,000 and set to expire on December 31, 2016. As of May 10, 2016 we have \$73,295.40 remaining on this \$1,000,000 contract. In order to complete the planned system improvement, conversion, development-related and aid-to-construction capital projects for the remaining of the year we will need to increase this contract amount.

The City has experienced an increase in development-driven and aid-to-construction projects in 2016 and we expect this trend to continue through the year. This has led to the need for boring work to install the electric distribution system associated with these projects.

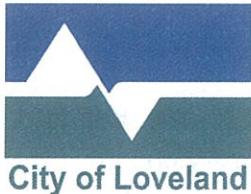
In accordance with Municipal Code 3.12.606B, this change order requires LUC approval since the revised contract amount exceeds \$500,000 and since the increase exceeds 20% of the original contract amount.

RECOMMENDATION:

Adopt a motion to approve the Contract change order for the Annual Directional Boring Projects for 2016 services with Jacobs Investments, LLC dba Colorado Boring Company to increase the not-to-exceed amount to \$1,500,000 and authorize the City Manager to sign the contract change order on behalf of the City.

REVIEWED BY DIRECTOR:

AB for SA



AGENDA ITEM: 4

MEETING DATE: 5/18/2016

SUBMITTED BY: Greg Dewey, Civil Engineer *GD*

TITLE: Opportunities for Revenue Through Long Term Water Right Leasing

DESCRIPTION:

Staff discusses the city's firm yield position and the advisability of entering into long term leasing of city owned raw water.

SUMMARY:

Currently the city's raw water supply exceeds its demands, so leasing out excess CBT or Windy Gap water does not affect the city's ability to provide adequate water supplies for our current population. Since this excess water is not being utilized directly by the city, it is leased out to agriculture or other users on an annual basis. This excess water will eventually be used by the city as it grows into its future water demand. Per Municipal Code, leases exceeding three years must be approved by Council.

The Water Division has been approached by other Northern Colorado water providers with a proposal to lease 300 acre-feet of city water rights for a minimum 10-year term, with a 5-year renewal option. Under terms of this proposal, the lessee would increase the dependability of their water supply until the Northern Integrated Supply Project (NISP) is completed. This proposal offers the Water Utility an opportunity to increase revenues, thereby reducing future customer rate increases associated with increased construction costs for the pending Windy Gap Firming Project (Chimney Hollow reservoir). This item outlines the risks and benefits of this proposal for LUC consideration and input. In January, staff requested LUC input regarding potential policy on leasing of portions of the Water Portfolio, and discussion was held. The LUC members requested additional information as discussed below:

- Ability to interrupt the lease in an emergency situation—lessee agrees.
- Annual rate increases—not determined, but if an adequate rate is agreed this could be discussed at the time of a possible five year renewal.
- Raw water source—WG is the city's preferred source in years when collateral isn't needed, and is acceptable to lessee, assuming the lessee will be included in the Subdistrict boundaries. Lessee is willing to find other collateral water (CBT) for the Windy Gap if needed, or the city could provide collateral water if it is available.
- Lessee has clearly acknowledged the temporary nature of the lease and will not depend on it beyond the 15 year period.

The important concern is whether the city has sufficient water to make a ten to fifteen year lease without compromising its ability to meet any expected conditions during that period of time. The

city's current firm yield including bringing the Windy Gap Firming Project (WGFP) online, but not including recent purchases of CBT water, is 27,390 acre-feet as depicted graphically on attachment A, from the 2012 Raw Water Master Plan, *Illustration of Historical and Projected Water Demand vs. Estimated Firm Water Supply Yield, City of Loveland, 1987-2056*. Firm yield without the Firming Project as depicted on the same graph is 24,280 acre-feet. A total of 392 units of CBT water have been acquired by the city in the five years since the graph was developed, making the approximate firm yield values 27,782 acre-feet with the WGFP, and 24,672 acre-feet without the WGFP. These values all assume Dille Tunnel is placed back into full service and the city's carriage contract can be exercised as needed.

For comparison, Loveland's current demands are typically under 15,000 acre-feet per year, meaning almost 10,000 acre-feet are potentially available to lease at current demands even during scenarios up to a 100-year drought event. The projected increase in demand over the coming fifteen period is under 5,000 acre-feet, putting annual raw water use by the city at under 20,000 acre-feet in fifteen years. This proposed lease offers potentially significant income for the city and the risks, particularly with language allowing suspension of the lease at the city's sole option in an emergency, are minimal. See attachment B for a list of leasing Pro's and Con's and Potential Lease Terms.

RECOMMENDATION:

Staff recommends moving ahead with negotiations on the terms of a lease once it is known that Dille Tunnel is fully online and available for use. If acceptable terms are agreed to, they will be brought to the LUC for consideration and a recommendation to City Council.

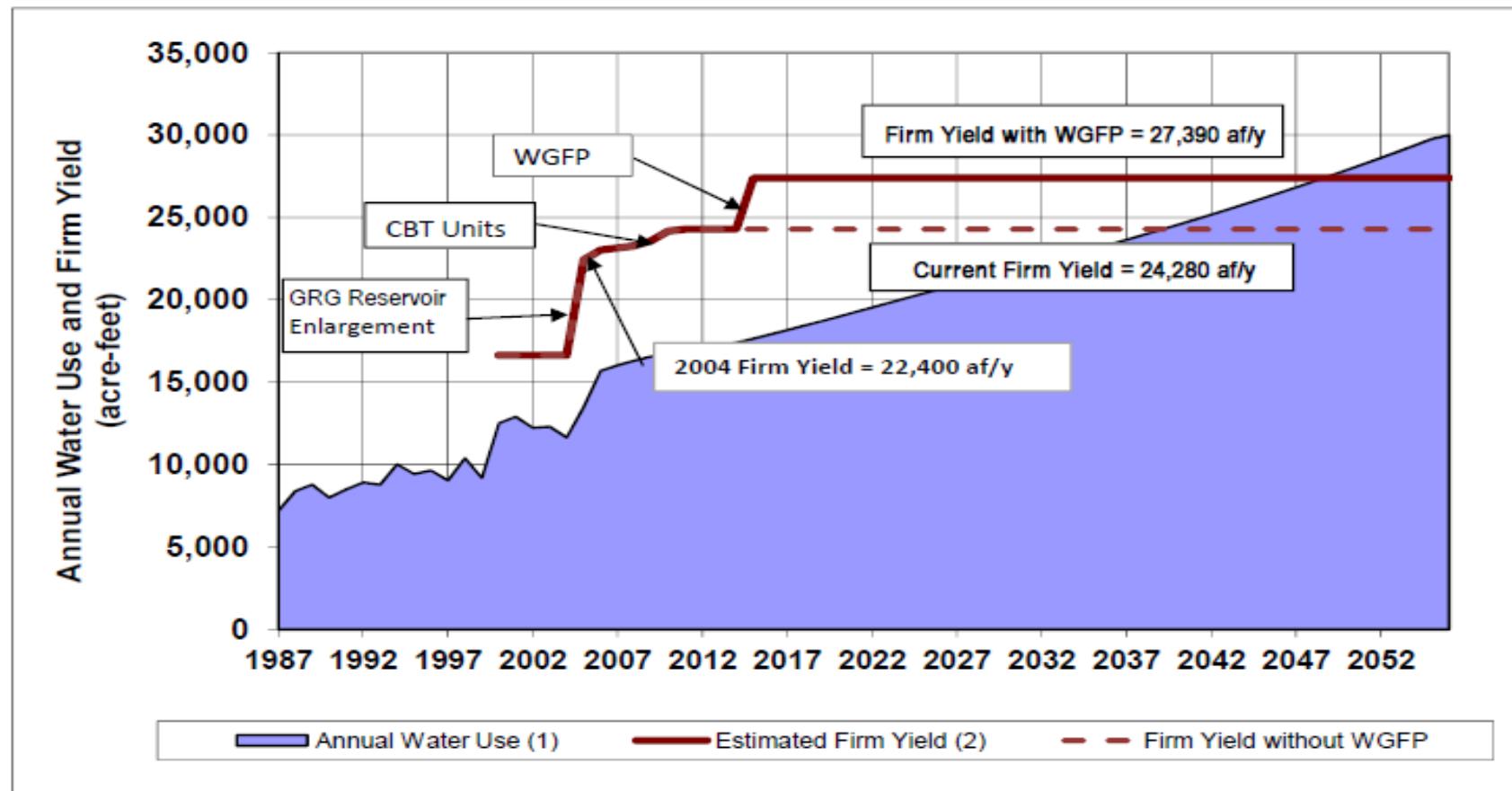
REVIEWED BY DIRECTOR:

AB for SPA

ATTACHMENTS:

- **Attachment A: Illustration of Historical and Projected Water Demand vs. Estimated Firm Water Supply Yield, City of Loveland, 1987-2056.**
- **Attachment B: List of Leasing Pro's and Con's and Potential Lease Terms**

**Illustration of Historical and Projected Water Demand
vs. Estimated Firm Water Supply Yield**
City of Loveland
1987 - 2056
(acre-feet per year)



Notes:

- (1) Actual water use through 2006 (year of highest demand), and projected by City staff thereafter. Projected use includes augmentation demand of 590 af/y.
- (2) Firm yield does not include additional supply from additional future water sources .

Source: 2012 Raw Water Yield study

Attachment B

LEASING PROS AND CONS

In the January, 2016 LUC packet staff included the following information identifying the Pros and Cons associated with this potential lease program:

Pros:

Increases Utilities Revenues while meeting water supply design criteria
Reduces future rate increases and borrowing for pending Chimney Hollow project
Increases regional collaboration
If Windy Gap water is leased, "historic use" is improved

Cons:

Slightly reduces firm yield, requiring the City to implement Drought Response Plans sooner
Slightly reduces 'excess' water leasing to Agriculture and Platte River Power Authority
Potential for developing permanent dependence on leased water if Lessee fails to develop their own water supply

POTENTIAL LEASE TERMS

Staff has developed the following lease terms that would be recommended for inclusion into any future alternatives developed for LUC and Council consideration:

1. Lease is designed to increase City Utility revenues while providing a temporary long-term lease of water supply. Lessee explicitly acknowledges the temporary nature of agreement and resolves to work diligently to secure permanent water supplies.
2. Contingent on CBT and Windy Gap water being available (i.e. Colorado River Curtailment)
3. Dille Tunnel must be repaired and returned to service prior to any commitment
4. Duration must be 10 years or longer to satisfy interested Lessees
5. Provisions for a 5-year renewable term
6. The City retains rights to provide either CBT or Windy Gap water
7. Interruptible during a severe drought, with no Lease payment during these instances
8. Subleasing of negotiated water prohibited
9. Lessee pays the full lease amount each year, regardless of whether water is requested or not.



CITY OF LOVELAND
WATER & POWER DEPARTMENT
200 North Wilson • Loveland, Colorado 80537
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AGENDA ITEM: 5

MEETING DATE: 5/18/2016

SUBMITTED BY: Frank Lindauer, Electrical Engineer *FL*

TITLE: Foothills Substation Transformer Contract Award for FEMA Alternate Project

DESCRIPTION:

Award of a contract to Virginia Transformer Corporation for Foothills Transformer Bid 2016-14. Through the Municipal Code, City Council has previously authorized LUC the option of approving contracts exceeding \$500,000. This authorization reduces the number of items that go to Council for consideration and increases the City's efficiency. Under these circumstances, the City Manager then signs the construction contract after LUC approval. This contract approval is being brought forward for LUC action.

SUMMARY:

On April 21, 2016 the City of Loveland received sealed bids for the first power transformer at our Foothills Substation. The Foothills Substation is part of the FEMA Alternate Project and is to be completed by September 2017. A comprehensive evaluation was conducted by a committee comprised of City of Loveland Water and Power and Platte River Power Authority engineers. The responsive, responsible bidders' were evaluated on criteria including total ownership cost (purchase price including no-load and load losses), adherence to technical specifications, expected delivery time, and effective warranty period. Based upon this evaluation, Virginia Transformer Corporation is recommended for award due to being the lowest responsive, responsible bidder.

RECOMMENDATION:

Adopt a motion recommending that Loveland Utilities Commission approve the award of the contract to Virginia Transformer Corporation for one 20 Mega Volt Ampere (MVA) substation power transformer including recommended spare parts, field services/testing, and delivery to the Foothills Substation site on Rio Blanco Avenue in an amount not-to-exceed \$615,814.00 and authorize the City Manager to sign the contract on behalf of the City.

REVIEWED BY DIRECTOR:

AB for 8A

ATTACHMENTS:

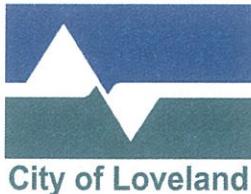
- Attachment A: Bid Tabulation

Foothills Substation Transformer Bid Evaluation

Bidder	Manufacturer	Purchase Price	Total Ownership Cost including No-load & Load Losses
Western United	GE - Prolec	\$600,872.00	\$1,012,672.00
Hartigan Power Equipment	Virginia Transformer Corp.	\$615,814.00	\$1,008,169.00 ¹
KD Johnson	WEG	\$654,000.00	\$1,012,730.00
Petereson Company	CG Power Systems	\$657,700.00	\$1,024,600.00
Hamilton Associates	Pennsylvania Transformer	\$659,205.00	\$1,038,745.00
Pan American Supply	LSIS	\$697,722.63	\$1,018,522.63
Iljin Electric USA	Iljin Electric	\$735,400.00	\$1,053,550.00
ABB	ABB	\$745,500.00	\$1,147,299.00
Delta Star	Delta Star	\$759,949.00	\$1,180,365.00
Howard Industries	Howard Industries	\$811,564.00	\$1,206,760.00
Lewis Associates	SPX	\$902,340.00	\$1,281,322.00
HICO America	HICO Hyosung	\$932,244.50	\$1,235,944.50

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1: Based upon total ownership cost as well as additional evaluation criteria, Virginia Transformer Corp. was determined to be the lowest responsive, responsible bidder



AGENDA ITEM: 6
MEETING DATE: 5/18/2016

SUBMITTED BY: Roger Berg, Interim Water Utilities Manager, Christine Schraeder, Electrical Engineer and Jim Lees, Utility Accounting Manager

*RB ABfor
JL
BS*

TITLE: 2017 Water & Power 10-Year Capital Improvement Plans (CIP)

DESCRIPTION:

The purpose of this item is to present an overview of the 2017 to 2026 10 year CIP for raw water, wastewater and power, as well as ask the Loveland Utilities Commission to adopt a motion recommending that City Council approve the proposed 10-Year CIP.

SUMMARY:

Staff has assembled and submitted proposed 10-Year CIPs for the Water, Raw Water, Wastewater and Power Utilities to the Budget Office. Capital expenditures for the period from 2017-2026 are summarized in the following table:

10-YEAR CIP TOTAL EXPENDITURES (\$M) 2017-2026	General Capital	SIF / PIF Capital	Total Capital
Water	\$44.6	\$37.4	\$82.0
Wastewater	\$43.3	\$39.7	\$83.0
Power	\$109.5	\$40.1	\$149.6

Raw Water capital expenditures for 2017-2026 are \$39.3 million and are paid for entirely from the Raw Water Fund. All of these CIPs fit within the framework of the revenue projections and operating expenses of each of the utilities. These 10-Year CIPs will be presented to City Council at the June 14, 2016 Study Session.

More information for the most noteworthy projects is discussed by utility in the following paragraphs.

Water

Water Line Replacement Program – We have various amounts budgeted annually throughout the 10-year CIP. Locations will be determined yearly based on the age, type, and condition of pipe, as well as leak frequency (\$21M over 10 years).

36" Transmission Main Relining – This project includes relining (or repairing) approximately four miles of our existing 36" steel transmission line west off town. This line was built in 1960 and is in poor condition (\$5M over 3 years).

East Gravity Zone 24" Distribution Line – This project will be phased in over several years depending on growth. It generally includes a 24" water line around the south side of Loveland to improve pressure and flow to the east side of town (\$14.9M over 5 years).

Morning Drive 30" Water Line (Phase 2) – This is the second and final phase of extending a parallel 30" water line to the 29th Street Water Tank. This additional line will provide redundancy and greatly increase flow capacity to the heart of our water distribution system (\$3.9M).

5.0 MG 29th Street Water Storage Tank – This tank will be located adjacent to the existing water tank on West 29th Street. It will provide much needed storage in our gravity zone (\$11.5M).

2.0 MG Dakota Ridge Water Storage Tank – This tank will provide storage for the P2 pressure zone located on the extreme northwest side of Loveland (\$10.3M).

Raw Water

Chimney Hollow Reservoir – The permitting process moves ahead and is nearing completion. The state's 401 certification has been issued, and the Corps of Engineers is currently working on the 404 Permit. Completion is expected by mid to late summer. Unless the Environmental Protection Agency then has comments or issues a veto, the project can move into full scale design and construction. The participants have recently selected a financial consultant to help determine the best ways to arrange financing. Selection of an engineering consultant for design is underway and expected to be approved by Northern's board at the June board meeting (\$32.6M total cost).

Acquisition of CBT Water -- Staff monitors sales of CBT water and has arranged for referrals to potential sellers from Northern to be send to the city. The city has participated in a bid for 50 units, but was not successful. Prices seem to be steady to slightly stronger, at about \$25k to \$26k per unit. (\$500,000/year)

Future Water Court Transfer Actions – Timing for future Water Court applications is decided depending on the city's acquisition of shares in ditch stock and through consultation with Counsel and consultants depending on legal and engineering circumstances. Staff recommends an application be filed in 2017. (\$104,900).

Wastewater

Parallel Boyd Sewer Interceptor – This project includes approximately 5,000 feet of parallel 24" sewer line to increase conveyance capacity to the WWTP (\$6.1M).

Cured In-Place Pipe (CIPP) Sewer Rehab Program – We have various amounts budgeted every other year throughout the 10-year plan. Locations will be determined yearly based on the age, type, and condition of pipe (\$14.2M).

Wastewater Treatment Plant Expansion to 12 MGD – The majority (\$27M) of this project was budgeted in 2016, but the 2017 budget also includes an additional \$9.8M. The project includes a new anaerobic digester, renovation of the existing digesters,

biological nutrient removal (BNR) upgrades, and miscellaneous improvements necessary to increase the capacity from 10 MGD to 12 MGD.

Water Quality Lab – This project includes constructing a new water quality testing lab at the WWTP site (\$4.3M).

Future WWTP Improvements – These projects include Final Clarifier #4, Primary Clarifier #3, and a sludge dewatering facility. The timing of these projects is highly dependent upon regulatory changes, the rate of growth, and the cost of hauling sludge, therefore the years shown for each project are approximate (\$33.3M).

Power

Replacement of Transformer at East Substation – This project is budgeted in year 2020 for the purchase and installation of a new transformer to replace E1 at East Substation.

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

Canyon Conversion Projects Phases 3 through 4 – This project is scheduled in phases for the conversion of the electrical lines in the Big Thompson Canyon to 12.47 KV voltage. This conversion will add reliability to the electric system in the canyon and help the electric utility reduce warehousing costs.

Extension of new Conduit and Feeders from Foothills Substation – These projects will connect the new Foothills Substation with the electric distribution system. These projects include the installation of new conduit and feeder systems from Foothills Substation.

Feeder Extension from 14th Street SW to Hwy 60 along Hwy 287 – This project extends a feeder from 14th St SW to Hwy 60 going along Hwy 287 to serve the load in the southeast part of the Growth Management Area (GMA)

Overhead to Underground Conversion Projects – These projects are at various locations around the City where there is existing overhead infrastructure which will be converted to underground infrastructure.

Downtown Catalyst Overhead to Underground Conversion Project – This project is related to the Downtown Catalyst project for the City. This will convert the overhead infrastructure to underground in this area.

Valley Substation new Switchgear and Transformer – The electric utility will be purchasing and installing a new transformer and switchgear lineup at Valley Substation. Once these are installed we will be extending the feeder from the new lineup at Valley Substation into the electric distribution system.

East Substation new Switchgear Lineup – The electric utility will be purchasing and installing a new switchgear lineup for East Substation. The current switchgear lineup has old equipment that is no longer supported by the manufacturer.

Foothill Substation new Transformer – This project is for the purchase and installation of a second transformer at the new Foothills Substation. This is separate from the FEMA Alternate Project and will allow the electric utility to transfer load from West Substation to the Foothills Substation in preparation of retiring West Substation.

Feeder Extension from Horseshoe Substation – This project is for the installation of a 600 amp feeder from Horseshoe Substation going west to serve existing and future development in the northwest area of Loveland.

Installation of new Feeder from MCR to Kendall Parkway & I-25 – This project is for the installation of new 750 AL from Medical Center of the Rockies to Kendall Parkway and I-25. This will create a sub-to-sub tie between Crossroads Substation and Airport Substation.

Feeder Extension from Valley Substation – These new feeders will begin at Valley Substation and will extend into the electric distribution system to accommodate growth in the southeast portion of Loveland and south of the downtown area.

Sub-to-Sub Tie between Crossroads and Horseshoe Substations – These projects will be performed in sections to extend feeders in the north area of Loveland to create a sub-to-sub tie between Crossroads Substation and Horseshoe Substation. This will improve reliability and accommodate growth in this area.

Staff will be back at next month's LUC meeting to present and seek a recommendation to City Council on the proposed 2017 budget.

RECOMMENDATION:

Adopt a motion recommending that City Council approve the proposed 2017 10-Year CIPs for the Water, Raw Water, Wastewater and Power Utilities.

REVIEWED BY DIRECTOR:

AB for SA
ATTACHMENTS

- **Attachment A:** 2017 Water and Raw Water 10-Year Proposed CIP
- **Attachment B:** 2017 Wastewater 10-Year Proposed 10-Year CIP
- **Attachment C:** 2017 Power 10-Year Proposed 10-Year CIP

Attachment A

Project	Proj #	Type	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	5-Year Total (2017-2021)	10-Year Total (2017-2026)	Raw Water	General Unrestricted	SIF - Restricted	Raw Water - 5 year	General Unrestricted - 5 year	SIF - Restricted - 5 year	Raw Water - 10 year	General Unrestricted - 10 year	SIF - Restricted - 10 year	
TRANSMISSION/DISTRIBUTION PROJECTS																								
Water Main Replacement Projects																								
2017 Water Line Replacement - Design/SDC	0 Design/SDC	104,900	0	0	0	0	0	0	0	0	0	0	104,900	104,900	0%	100%	0%	\$0	\$104,900	\$0	\$0	\$104,900	\$0	
2017 Water Line Replacement - Construct	0 Construct	524,500	0	0	0	0	0	0	0	0	0	0	524,500	524,500	0%	100%	0%	\$0	\$524,500	\$0	\$0	\$524,500	\$0	
2018 Water Line Replacement - Design/SDC	0 Design/SDC	0	0	0	0	0	0	0	0	0	0	0	0	0	0%	100%	0%	\$0	\$0	\$0	\$0	\$0	\$0	
2018 Water Line Replacement - Construct	0 Construct	0	0	0	0	0	0	0	0	0	0	0	0	0	0%	100%	0%	\$0	\$0	\$0	\$0	\$0	\$0	
2019 Water Line Replacement - Design/SDC	0 Design/SDC	0	54,970	57,280	0	0	0	0	0	0	0	0	112,250	112,250	0%	100%	0%	\$0	\$112,250	\$0	\$0	\$112,250	\$0	
2019 Water Line Replacement - Construct	0 Construct	0	0	916,420	0	0	0	0	0	0	0	0	916,420	916,420	0%	100%	0%	\$0	\$916,420	\$0	\$0	\$916,420	\$0	
2020 Water Line Replacement (Sherri Mar) - Design/SDC	0 Design/SDC	0	0	91,640	95,860	0	0	0	0	0	0	0	187,500	187,500	0%	100%	0%	\$0	\$187,500	\$0	\$0	\$187,500	\$0	
2020 Water Line Replacement (Sherri Mar) - Construct	0 Construct	0	0	0	1,198,220	0	0	0	0	0	0	0	1,198,220	1,198,220	0%	100%	0%	\$0	\$1,198,220	\$0	\$0	\$1,198,220	\$0	
2021 Water Line Replacement (Sherri Mar) - Design/SDC	0 Design/SDC	0	0	0	95,860	100,940	0	0	0	0	0	0	196,800	196,800	0%	100%	0%	\$0	\$196,800	\$0	\$0	\$196,800	\$0	
2021 Water Line Replacement (Sherri Mar) - Construct	0 Construct	0	0	0	0	1,261,720	0	0	0	0	0	0	1,261,720	1,261,720	0%	100%	0%	\$0	\$1,261,720	\$0	\$0	\$1,261,720	\$0	
2022 Water Line Replacement - Design/SDC	0 Design/SDC	0	0	0	0	189,260	199,290	0	0	0	0	0	189,260	388,550	0%	100%	0%	\$0	\$189,260	\$0	\$0	\$388,550	\$0	
2022 Water Line Replacement - Construct	0 Construct	0	0	0	0	0	2,657,190	0	0	0	0	0	0	2,657,190	0%	100%	0%	\$0	\$0	\$0	\$0	\$2,657,190	\$0	
2023 Water Line Replacement - Design/SDC	0 Design/SDC	0	0	0	0	0	199,290	209,850	0	0	0	0	0	409,140	0%	100%	0%	\$0	\$0	\$0	\$0	\$409,140	\$0	
2023 Water Line Replacement - Construct	0 Construct	0	0	0	0	0	0	2,798,020	0	0	0	0	0	2,798,020	0%	100%	0%	\$0	\$0	\$0	\$0	\$2,798,020	\$0	
2024 Water Line Replacement - Design/SDC	0 Design/SDC	0	0	0	0	0	0	209,850	220,970	0	0	0	0	430,820	0%	100%	0%	\$0	\$0	\$0	\$0	\$430,820	\$0	
2024 Water Line Replacement - Construct	0 Construct	0	0	0	0	0	0	0	2,946,320	0	0	0	0	2,946,320	0%	100%	0%	\$0	\$0	\$0	\$0	\$2,946,320	\$0	
2025 Water Line Replacement - Design/SDC	0 Design/SDC	0	0	0	0	0	0	0	220,970	232,690	0	0	0	0	453,660	0%	100%	0%	\$0	\$0	\$0	\$0	\$453,660	\$0
2025 Water Line Replacement - Construct	0 Construct	0	0	0	0	0	0	0	0	3,102,470	0	0	0	0	3,102,470	0%	100%	0%	\$0	\$0	\$0	\$0	\$3,102,470	\$0
2026 Water Line Replacement - Design/SDC	0 Design/SDC	0	0	0	0	0	0	0	0	0	232,690	245,020	0	0	477,710	0%	100%	0%	\$0	\$0	\$0	\$0	\$477,710	\$0
2026 Water Line Replacement - Construct	0 Construct	0	0	0	0	0	0	0	0	0	0	3,266,900	0	0	3,266,900	0%	100%	0%	\$0	\$0	\$0	\$0	\$3,266,900	\$0
36" Transmission Line Relining Phase 1 Design/SDC	0 Design/SDC	0	0	137,460	143,790	0	0	0	0	0	0	0	281,250	281,250	0%	100%	0%	\$0	\$281,250	\$0	\$0	\$281,250	\$0	
36" Transmission Line Relining Phase 1 Construct	0 Construct	0	0	0	1,797,330	0	0	0	0	0	0	0	1,797,330	1,797,330	0%	100%	0%	\$0	\$1,797,330	\$0	\$0	\$1,797,330	\$0	
36" Transmission Line Relining Phase 2 Design/SDC	0 Design/SDC	0	0	0	191,720	201,880	0	0	0	0	0	0	393,600	393,600	0%	100%	0%	\$0	\$393,600	\$0	\$0	\$393,600	\$0	
36" Transmission Line Relining Phase 2 Construct	0 Construct	0	0	0	0	2,523,450	0	0	0	0	0	0	2,523,450	2,523,450	0%	100%	0%	\$0	\$2,523,450	\$0	\$0	\$2,523,450	\$0	
ROW Relocates	W1602C Construct	52,450	54,970	57,280	59,910	63,090	66,430	69,950	73,660	77,560	81,670	287,700	656,970	0%	100%	0%	\$0	\$287,700	\$0	\$0	\$656,970	\$0		
34" Waterline Valve Insertions Design/SDC	0 Design/SDC	0	82,450	0	0	0	0	0	0	0	0	0	82,450	82,450	0%	100%	0%	\$0	\$82,450	\$0	\$0	\$82,450	\$0	
34" Waterline Valve Insertions Construct	0 Construct	0	494,710	0	0	0	0	0	0	0	0	0	494,710	494,710	0%	100%	0%	\$0	\$494,710	\$0	\$0	\$494,710	\$0	
New water lines																								
10th St 12": RR Spur to Madison Design/SDC	W1603D Design/SDC	41,960	0	0	0	0	0	0	0	0	0	0	41,960	41,960	0%	75%	25%	\$0	\$31,470	\$10,490	\$0	\$31,470	\$10,490	
10th St 12": RR Spur to Madison Construct	0 Construct	419,600	0	0	0	0	0	0	0	0	0	0	419,600	419,600	0%	75%	25%	\$0	\$314,700	\$104,900	\$0	\$314,700	\$104,900	
East Gravity Zone 24" Phase 1 St Louis Design/SDC	W1016D Design/SDC	0	0	0	0	368,420	255,090	0	0	0	0	0	368,420	623,510	0%	30%	70%	\$0	\$110,530	\$257,890	\$0	\$187,050	\$436,460	
East Gravity Zone 24" Phase 1 St Louis Construct	W1016D Construct	0	0	0	0	0	3,188,630	0	0	0	0	0	0	3,188,630	0%	30%	70%	\$0	\$0	\$0	\$0	\$956,590	\$2,232,040	
East Gravity Zone 24" Phase 2 28th St SW Taft to Garfield Design/SDC	W1017D Design/SDC	0	0	0	0	0	313,550	190,270	0	0	0	0	0	503,820	0%	30%	70%	\$0	\$0	\$0	\$0	\$151,150	\$352,670	
East Gravity Zone 24" Phase 2 28th St SW Taft to Garfield Construct	W1017D Construct	0	0	0																				

Project	Proj #	Type	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	5-Year Total (2017-2021)	10-Year Total (2017-2026)	Raw Water	General Unrestricted	SIF - Restricted	Raw Water - 5 year	General Unrestricted - 5 year	SIF - Restricted - 5 year	Raw Water - 10 year	General Unrestricted - 10 year	SIF - Restricted - 10 year	
Large Projects																								
5.0 MG Water Storage 29th Street Tank #2 Design/SDC	0	Design/SDC	0	0	859,140	898,660	0	0	0	0	0	0	1,757,800	1,757,800	0%	20%	80%	\$0	\$351,560	\$1,406,240	\$0	\$351,560	\$1,406,240	
5.0 MG Water Storage 29th Street Tank #2 Construct	0	Construct	0	0	0	9,705,570	0	0	0	0	0	0	9,705,570	9,705,570	0%	20%	80%	\$0	\$1,941,110	\$7,764,460	\$0	\$1,941,110	\$7,764,460	
Morning Drive Pump Station Upgrade Design/SDC	0	Design/SDC	0	0	0	0	0	0	0	0	109,090	114,880	0	223,970	0%	50%	50%	\$0	\$0	\$0	\$0	\$111,990	\$111,990	
Morning Drive Pump Station Upgrade Construct	0	Construct	0	0	0	0	0	0	0	0	0	1,148,760	0	1,148,760	0%	50%	50%	\$0	\$0	\$0	\$0	\$574,380	\$574,380	
3.5 MG 43rd St Tank #2 Design/SDC	0	Design/SDC	0	0	0	0	0	0	0	0	0	640,310	0	640,310	0%	20%	80%	\$0	\$0	\$0	\$0	\$128,060	\$512,250	
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%	\$0	\$0	\$0	\$0	\$0	\$0	
SW Booster Station Design/SDC	0	Design/SDC	0	0	0	0	0	0	0	0	0	326,690	0	326,690	0%	50%	50%	\$0	\$0	\$0	\$0	\$163,350	\$163,350	
SW Booster Station Construct	0	Construct	0	0	0	0	0	0	0	0	0	0	0	0	0%	50%	50%	\$0	\$0	\$0	\$0	\$0	\$0	
2.0 MG Dakota Ridge Buried Concrete Tank P22 Design/SDC	0	Design/SDC	0	0	0	0	0	0	769,460	810,240	0	0	0	1,579,700	0%	15%	85%	\$0	\$0	\$0	\$0	\$236,960	\$1,342,750	
2.0 MG Dakota Ridge Buried Concrete Tank P22 Construct	0	Construct	0	0	0	0	0	0	0	8,691,640	0	0	0	8,691,640	0%	15%	85%	\$0	\$0	\$0	\$0	\$1,303,750	\$7,387,890	
2.0 MG Crossroads Elevated Tank #2 Construct	0	Construct	0	0	0	0	0	0	0	0	0	0	0	0	0%	20%	80%	\$0	\$0	\$0	\$0	\$0	\$0	
5.0 MG South Concrete Tank #2 Construct	0	Construct	0	0	0	0	0	0	0	0	0	0	0	0	0%	20%	80%	\$0	\$0	\$0	\$0	\$0	\$0	
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%	\$0	\$0	\$0	\$0	\$0	\$0	
P2 Water Pump Station and Discharge Piping Design/SDC	0	Design/SDC	104,900	109,940	0	0	0	0	0	0	0	0	0	214,840	214,840	0%	10%	90%	\$0	\$21,480	\$193,360	\$0	\$21,480	\$193,360
P2 Water Pump Station and Discharge Piping Construct	0	Construct	0	1,099,350	0	0	0	0	0	0	0	0	0	1,099,350	1,099,350	0%	10%	90%	\$0	\$109,940	\$989,420	\$0	\$109,940	\$989,420
Mod Valve Vault Rehabilitation Design/SDC	0	Design/SDC	0	109,940	114,550	0	0	0	0	0	0	0	0	224,490	224,490	0%	100%	0%	\$0	\$224,490	\$0	\$0	\$224,490	\$0
Mod Valve Vault Rehabilitation Construct	0	Construct	0	0	1,145,520	0	0	0	0	0	0	0	0	1,145,520	1,145,520	0%	100%	0%	\$0	\$1,145,520	\$0	\$0	\$1,145,520	\$0
Chasteens Grove Water Booster Station Design/SDC	0	Design/SDC	0	0	0	0	0	0	0	0	0	0	0	0	0	0%	20%	80%	\$0	\$0	\$0	\$0	\$0	\$0
Chasteens Grove Water Booster Station Construct	0	Construct	0	0	0	0	0	0	0	0	0	0	0	0	0	0%	20%	80%	\$0	\$0	\$0	\$0	\$0	\$0
Mountain View Water Pump Station 3rd Pump	0	Construct	0	0	0	0	0	0	0	0	0	0	0	0	0	0%	20%	80%	\$0	\$0	\$0	\$0	\$0	\$0
Namaqua Hills Water Booster Station & GeneratorDesign/SDC	0	Design/SDC	104,900	0	0	0	0	0	0	0	0	0	0	104,900	104,900	0%	100%	0%	\$0	\$104,900	\$0	\$0	\$104,900	\$0
Namaqua Hills Water Booster Station & Generator Construct	0	Construct	524,500	0	0	0	0	0	0	0	0	0	0	524,500	524,500	0%	100%	0%	\$0	\$524,500	\$0	\$0	\$524,500	\$0
Morning Drive MCC Replacement Design/SDC	0	Design/SDC	52,450	54,970	0	0	0	0	0	0	0	0	0	107,420	107,420	0%	50%	50%	\$0	\$53,710	\$53,710	\$0	\$53,710	\$53,710
Morning Drive MCC Replacement Construction	0	Construct	0	549,680	0	0	0	0	0	0	0	0	0	549,680	549,680	0%	50%	50%	\$0	\$274,840	\$274,840	\$0	\$274,840	\$274,840
Miscellaneous																								
Misc. Oversizing and Extensions (Eagle Brook Meadows 2017)	W1207D	Construct	78,680	82,450	85,910	89,870	94,630	99,640	104,930	110,490	116,340	122,510	431,540	985,450	0%	0%	100%	\$0	\$0	\$431,540	\$0	\$0	\$985,450	
Trans/Dist Meters (Wtr Dept)	WA900	Construct	115,390	120,930	126,010	131,800	138,790	146,150	153,890	162,050	170,640	179,680	632,920	1,445,330	0%	100%	0%	\$0	\$632,920	\$0	\$0	\$1,445,330	\$0	
Contractors Meters (New Development)	WA900	Construct	83,920	87,950	91,640	95,860	100,940	106,290	111,920	117,850	124,100	130,680	460,310	1,051,150	0%	100%	0%	\$0	\$460,310	\$0	\$0	\$1,051,150	\$0	
TRANSMISSION/DISTRIBUTION TOTAL			\$2,554,320	\$6,530,180	\$3,682,850	\$14,594,320	\$6,084,040	\$7,231,550	\$6,996,460	\$13,354,190	\$4,905,830	\$14,574,970	33,445,710	80,508,710				0	17,596,980	15,848,740	0	43,410,870	37,097,880	
TRANSMISSION/DISTRIBUTION GENERAL TOTAL =			1,934,356	1,791,961	2,909,628	5,958,157	5,002,872	4,501,821	4,439,476	5,167,102	4,227,690	7,477,782	17,596,974	43,410,845										
TRANSMISSION/DISTRIBUTION SIF TOTAL =			619,964	4,738,219	(372,298)	8,636,163	1,081,168	2,729,729	2,556,984	8,187,088	678,140	7,097,188	14,703,216	35,952,345										
SIF OVERSIZING =			0	0	1,145,520	0	0	0	0	0	0	0	1,145,520	1,145,520										
WATER TREATMENT PLANT PROJECTS																								
Expansion			0																					
Phase 3 Expansion (38-46 MGD) Design/SDC	0	0 Design/SDC	0	0	0	0	0	0	0	0	0	0	0	0	0%	50%	50%	\$0	\$0	\$0	\$0	\$0	\$0	
Phase 3 Expansion (38-																								

Project	Proj #	Type	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	5-Year Total (2017-2021)	10-Year Total (2017-2026)	Raw Water	General Unrestricted	SIF - Restricted	Raw Water - 5 year	General Unrestricted - 5 year	SIF - Restricted - 5 year	Raw Water - 10 year	General Unrestricted - 10 year	SIF - Restricted - 10 year	
WATER RESOURCES PROJECTS																								
Windy Gap Firming (W038AA)	W038AA	Contract	483,760	32,102,950	0	0	0	0	0	0	0	0	32,586,710	32,586,710	100%	0%	0%	\$32,586,710	\$0	\$0	\$32,586,710	\$0	\$0	
Purchase CBT Water (W1014A)	W1014A	Contract	524,500	549,680	572,760	599,110	630,860	664,300	699,510	736,580	775,620	816,730	2,876,910	6,569,650	100%	0%	0%	\$2,876,910	\$0	\$0	\$6,569,650	\$0	\$0	
Future Water Court Transfer Actions		0 Design/SDC	104,900	0	0	0	0	0	0	0	0	0	104,900	104,900	100%	0%	0%	\$104,900	\$0	\$0	\$104,900	\$0	\$0	
WATER RESOURCES TOTAL			\$1,113,160	\$32,652,630	\$572,760	\$599,110	\$630,860	\$664,300	\$699,510	\$736,580	\$775,620	\$816,730	35,568,520	39,261,260				35,568,520	0	0	39,261,260	0	0	
WATER GENERAL PLANT																								
		GP																						
WATER GENERAL PLANT TOTAL			\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	0	0				0	0	0	0	0	0	
Total Water General capital			\$2,060,236	\$1,791,961	\$2,909,628	\$5,958,157	\$5,002,872	\$4,581,539	\$5,362,824	\$5,167,102	\$4,227,690	\$7,477,782	\$17,722,854	\$44,539,790										
TOTAL WATER CIP			\$3,793,360	\$39,182,810	\$4,255,610	\$15,193,430	\$6,714,900	\$8,002,140	\$8,927,100	\$14,090,770	\$5,681,450	\$15,391,700	69,140,110	121,233,270				Total =	35,568,520	17,722,860	15,848,740	39,261,260	44,539,820	37,432,230
Total Water less Raw Water CIP			\$2,680,200	\$6,530,180	\$3,682,850	\$14,594,320	\$6,084,040	\$7,337,840	\$8,227,590	\$13,354,190	\$4,905,830	\$14,574,970	33,571,590	81,972,010										
Wtr SIF Capital			619,964	4,738,219	773,222	8,636,163	1,081,168	2,756,302	2,864,767	8,187,088	678,140	7,097,188	15,848,736	37,432,220										
Raw Water Capital			\$1,113,160	\$32,652,630	\$572,760	\$599,110	\$630,860	\$664,300	\$699,510	\$736,580	\$775,620	\$816,730	35,568,520	39,261,260										

Attachment B

	Proj #	Design/SDC or Construct	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	5-Year Total (2017-2021)	10-Year Total (2017-2026)	General Unrestricted	SIF - Restricted	General Unrestricted - 5 Year	SIF - Restricted - 5 Year	General Unrestricted - 10 Year	SIF - Restricted - 10 Year	
			2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	5-Year Total (2017-2021)	10-Year Total (2017-2026)	General Unrestricted	SIF - Restricted	General Unrestricted - 5 Year	SIF - Restricted - 5 Year	General Unrestricted - 10 Year	SIF - Restricted - 10 Year	
WASTEWATER LINE REPLACEMENT PROJECTS																					
<i>New Wastewater Lines</i>																					
Parallel Boyd Intcp Design/SDC	0 Design/SDC	402,820	422,150	0	0	0	0	0	0	0	0	0	\$824,970	\$824,970	20%	80%	\$164,990	\$659,980	\$164,994	\$659,976	
Parallel Boyd Intcp Construct	0 Construct	0	5,276,890	0	0	0	0	0	0	0	0	0	\$5,276,890	\$5,276,890	20%	80%	\$1,055,380	\$4,221,510	\$1,055,378	\$4,221,512	
402 Sewer Line Solution Design/SDC	0 Design/SDC	0	0	0	0	0	0	0	0	0	0	465,370	408,360	\$0	\$873,730	0%	100%	\$0	\$0	\$0	\$873,730
402 Sewer Line Solution Construct	0 Construct	0	0	0	0	0	0	0	0	0	0	0	6,533,810	\$0	\$6,533,810	0%	100%	\$0	\$0	\$0	\$6,533,810
East Side Discharge Trunk to WWTP Design/SDC	0 Design/SDC	0	0	0	0	0	0	0	0	0	0	0	\$0	\$0	0%	100%	\$0	\$0	\$0	\$0	
East Side Discharge Trunk to WWTP Construct	0 Construct	0	0	0	0	0	0	0	0	0	0	0	\$0	\$0	0%	100%	\$0	\$0	\$0	\$0	
Sewer Line Replacement (Capacity) Design/SDC	0 Design/SDC	0	0	0	0	0	0	111,920	117,850	0	0	0	\$0	\$229,770	50%	50%	\$0	\$0	\$114,885	\$114,885	
Sewer Line Replacement (Capacity) Construct	0 Construct	0	0	0	0	0	0	0	0	1,473,160	0	0	\$0	\$1,473,160	50%	50%	\$0	\$0	\$736,580	\$736,580	
<i>Rehab Wastewater Lines</i>																					
South Catalyst Sewer Improvements Design/SDC	0 Design/SDC	70,000	0	0	0	0	0	0	0	0	0	0	\$70,000	\$70,000	100%	0%	\$70,000	\$0	\$70,000	\$0	
South Catalyst Sewer Improvements Construct	0 Construct	380,000	0	0	0	0	0	0	0	0	0	0	\$380,000	\$380,000	100%	0%	\$380,000	\$0	\$380,000	\$0	
2017 CIPP Sewer Rehab Construct	0 Construct	1,049,000	0	0	0	0	0	0	0	0	0	0	\$1,049,000	\$1,049,000	100%	0%	\$1,049,000	\$0	\$1,049,000	\$0	
2019 CIPP Sewer Rehab Construct	0 Construct	0	0	1,145,520	0	0	0	0	0	0	0	0	\$1,145,520	\$1,145,520	100%	0%	\$1,145,520	\$0	\$1,145,520	\$0	
2021 CIPP Sewer Rehab Construct	0 Construct	0	0	0	0	3,154,310	0	0	0	0	0	0	\$3,154,310	\$3,154,310	100%	0%	\$3,154,310	\$0	\$3,154,310	\$0	
2023 CIPP Sewer Rehab Construct	0 Construct	0	0	0	0	0	0	4,197,030	0	0	0	0	\$0	\$4,197,030	100%	0%	\$0	\$0	\$4,197,030	\$0	
2025 CIPP Sewer Rehab Construct	0 Construct	0	0	0	0	0	0	0	0	4,653,710	0	0	\$0	\$4,653,710	100%	0%	\$0	\$0	\$4,653,710	\$0	
<i>Large Projects</i>																					
North Horseshoe Lift Station Upgrades Design/SDC	0 Design/SDC	0	0	0	71,890	75,700	0	0	0	0	0	0	\$147,590	\$147,590	100%	0%	\$147,590	\$0	\$147,590	\$0	
North Horseshoe Lift Station Upgrades Construct	0 Construct	0	0	0	0	757,030	0	0	0	0	0	0	\$757,030	\$757,030	100%	0%	\$757,030	\$0	\$757,030	\$0	
East Side Lift Station 3rd Pump Install Design/SDC	0 Design/SDC	0	0	0	35,950	37,850	0	0	0	0	0	0	\$73,800	\$73,800	0%	100%	\$0	\$73,800	\$0	\$73,800	
East Side Lift Station 3rd Pump Install Construct	0 Construct	0	0	0	0	378,520	0	0	0	0	0	0	\$378,520	\$378,520	0%	100%	\$0	\$378,520	\$0	\$378,520	
Southside Lift Station Generator Design/SDC	0 Design/SDC	0	0	0	47,930	50,470	0	0	0	0	0	0	\$98,400	\$98,400	100%	0%	\$98,400	\$0	\$98,400	\$0	
Southside Lift Station Generator Construct	0 Construct	0	0	0	0	504,690	0	0	0	0	0	0	\$504,690	\$504,690	100%	0%	\$504,690	\$0	\$504,690	\$0	
Bus Barn Lift Station Renovation Design/SDC	0 Design/SDC	62,940	0	0	0	0	0	0	0	0	0	0	\$62,940	\$62,940	100%	0%	\$62,940	\$0	\$62,940	\$0	
Bus Barn Lift Station Renovation Construct	0 Construct	419,600	0	0	0	0	0	0	0	0	0	0	\$419,600	\$419,600	100%	0%	\$419,600	\$0	\$419,600	\$0	
<i>Miscellaneous</i>																					
Oversizing & Extensions Agreement	W1232H Construct	78,680	82,450	85,910	89,870	94,630	99,640	104,930	110,490	116,340	122,510	0	\$431,540	\$985,450	0%	100%	\$0	\$431,540	\$0	\$985,450	
WASTEWATER LINE REPLACEMENTS TOTAL																					
	0	\$2,463,040	\$5,781,490	\$1,231,430	\$245,640	\$5,053,200	\$99,640	\$4,413,880	\$1,701,500	\$5,235,420	\$7,064,680	0	\$14,774,800	\$33,289,920			\$9,009,450	\$5,765,350	\$18,711,657	\$14,578,263	
WW LINE REPLACEMENT GENERAL TOTAL =	0	2,062,104	1,139,808	1,145,520	119,820	4,542,200	0	4,252,990	795,505	4,653,710	0	9,009,452	18,711,657								
WW LINE REPLACEMENT SIF TOTAL =	0	322,256	4,559,232	0	35,950	416,370	0	55,960	795,505	465,370	6,942,170	5,333,808	13,592,813								
WW SIF OVERSIZING TOTAL =	0	78,680	82,450	85,910	89,870	94,630	99,640	104,930	110,490	116,340	122,510	0	431,540	985,450							

	Proj #	Design/SDC or Construct	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	5-Year Total (2017-2021)	10-Year Total (2017-2026)	General Unrestricted	SIF - Restricted	General Unrestricted - 5 Year	SIF - Restricted - 5 Year	General Unrestricted - 10 Year	SIF - Restricted - 10 Year	
			2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	5-Year Total (2017-2021)	10-Year Total (2017-2026)	General Unrestricted	SIF - Restricted	General Unrestricted - 5 Year	SIF - Restricted - 5 Year	General Unrestricted - 10 Year	SIF - Restricted - 10 Year	
WASTEWATER TREATMENT PLANT PROJECTS																					
WWTP Final Clarifier #4 and RAS/Scum Design/SDC	0	Design/SDC	0	0	0	0	630,860	664,300	0	0	0	0	\$630,860	\$1,295,160	20%	80%	\$126,170	\$504,690	\$259,032	\$1,036,128	
WWTP Final Clarifier #4 and RAS/Scum Construct	0	Construct	0	0	0	0	0	6,642,980	0	0	0	0	\$0	\$6,642,980	20%	80%	\$0	\$0	\$1,328,596	\$5,314,384	
WWTP Primary Clarifier #3 & Trickling Filter Demo Design/SDC	0	Design/SDC	0	0	0	0	0	0	0	0	465,370	490,040	\$0	\$955,410	25%	75%	\$0	\$0	\$238,853	\$716,558	
WWTP Primary Clarifier #3 & Trickling Filter Demo Construct	0	Construct	0	0	0	0	0	0	0	0	0	4,900,360	\$0	\$4,900,360	25%	75%	\$0	\$0	\$1,225,090	\$3,675,270	
WWTP Digested Sludge Dewatering Design/SDC	0	Design/SDC	0	0	0	0	0	0	0	0	1,551,240	1,633,450	\$0	\$3,184,690	50%	50%	\$0	\$0	\$1,592,345	\$1,592,345	
WWTP Digested Sludge Dewatering Construct	0	Construct	0	0	0	0	0	0	0	0	0	16,334,520	\$0	\$16,334,520	50%	50%	\$0	\$0	\$8,167,260	\$8,167,260	
WWTP Laboratory Building & Admin Remodel	0	Design/SDC	346,170	362,790	0	0	0	0	0	0	0	0	\$708,960	\$708,960	80%	20%	\$567,170	\$141,790	\$567,168	\$141,792	
WWTP Laboratory Building & Admin Remodel	0	Construct	0	3,627,860	0	0	0	0	0	0	0	0	\$3,627,860	\$3,627,860	80%	20%	\$2,902,290	\$725,570	\$2,902,288	\$725,572	
WWTP Upgrade PLC Processors Design/SDC	0	Design/SDC	0	0	28,640	0	0	0	0	0	0	0	\$28,640	\$28,640	100%	0%	\$28,640	\$0	\$28,640	\$0	
WWTP Upgrade PLC Processors Construct	0	Construct	0	0	286,380	0	0	0	0	0	0	0	\$286,380	\$286,380	100%	0%	\$286,380	\$0	\$286,380	\$0	
WWTP Replace ALPS MCC Design/SDC	0	Design/SDC	0	43,970	0	0	0	0	0	0	0	0	\$43,970	\$43,970	100%	0%	\$43,970	\$0	\$43,970	\$0	
WWTP Replace ALPS MCC Construct	0	Construct	0	439,740	0	0	0	0	0	0	0	0	\$439,740	\$439,740	100%	0%	\$439,740	\$0	\$439,740	\$0	
WWTP Interceptor Junction Box Design/SDC	0	Design/SDC	0	0	229,100	0	0	0	0	0	0	0	\$229,100	\$229,100	100%	0%	\$229,100	\$0	\$229,100	\$0	
WWTP Interceptor Junction Box Construct	0	Construct	0	0	1,145,520	0	0	0	0	0	0	0	\$1,145,520	\$1,145,520	100%	0%	\$1,145,520	\$0	\$1,145,520	\$0	
WWTP Expansion to 12 MGD	W1604H	Design/SDC	891,650	0	0	0	0	0	0	0	0	0	\$891,650	\$891,650	62%	38%	\$552,820	\$338,830	\$552,823	\$338,827	
WWTP Expansion to 12 MGD	W1604H	Construct	8,916,500	0	0	0	0	0	0	0	0	0	\$8,916,500	\$8,916,500	62%	38%	\$5,528,230	\$3,388,270	\$5,528,230	\$3,388,270	
WASTEWATER TREATMENT PLANT TOTAL			\$10,154,320	\$4,474,360	\$1,689,640	\$0	\$630,860	\$7,307,280	\$0	\$0	\$2,016,610	\$23,358,370	\$16,949,180	\$49,631,440			\$11,850,030	\$5,099,150	\$24,535,035	\$25,096,406	
WW TREATMENT PLANT GENERAL TOTAL =			0	6,357,989	3,676,230	1,689,640	0	126,172	1,461,456	0	0	891,963	10,331,585	11,850,031	24,535,035						
WW TREATMENT PLANT SIF TOTAL =			0	3,796,331	798,130	0	0	504,688	5,845,824	0	0	1,124,648	13,026,785	5,099,149	25,096,406						
			0													Total =	\$20,859,480	\$10,864,500	\$43,246,692	\$39,674,669	
WASTEWATER GENERAL PLANT																					
Stand-alone Server - DBWWTP	WW930	GP	6,080	0	0	0	0	0	0	0	0	0	\$6,080	\$6,080	100%	0%	\$6,080	\$0	\$6,080	\$0	
Replace Vehicle #5100	WW930	GP	25,180	0	0	0	0	0	0	0	0	0	\$25,180	\$25,180	100%	0%	\$25,180	\$0	\$25,180	\$0	
Replace Vehicle #6208	WW930	GP	94,410	0	0	0	0	0	0	0	0	0	\$94,410	\$94,410	100%	0%	\$94,410	\$0	\$94,410	\$0	
WASTEWATER GENERAL PLANT TOTAL			\$125,670	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$125,670	\$125,670			\$125,670	\$0	\$125,670	\$0	
WW General Capital	0	8,545,763	4,816,038	2,835,160	119,820	4,668,372	1,461,456	4,252,990	795,505	5,545,673	10,331,585	20,985,153	43,372,362								
TOTAL WASTEWATER CIP			\$12,743,030	\$10,255,850	\$2,921,070	\$245,640	\$5,684,060	\$7,406,920	\$4,413,880	\$1,701,500	\$7,252,030	\$30,423,050	\$31,849,650	\$83,047,030			\$20,985,150	\$10,864,500	\$43,372,362	\$39,674,669	
WW SIF Capital	0	4,197,267	5,439,812	85,910	125,820	1,015,688	5,945,464	160,890	905,995	1,706,358	20,091,465	10,864,497	39,674,669								

Attachment C

Project	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	5-Year Total (2017-2021)	10-Year Total (2017-2026)	General Unrestricted	SIF - Restricted	General Unrestricted - 5 year	PIF - Restricted - 5 year	General Unrestricted - 10 year	PIF - Restricted - 10 year	
CAPITAL BLANKETS																			
Hydro Generation	0	0	0	0	0	0	0	0	0	0	0	0	0	0%	\$0	\$0	\$0	\$0	
Overhead Distribution Lines	25,000	25,940	26,830	27,830	28,890	29,990	31,130	32,320	33,550	34,830	134,490	296,310	100%	0%	\$134,490	\$0	\$296,310	\$0	
Underground Distribution Lines	70,000	72,640	75,120	77,920	80,890	83,970	87,170	90,490	93,940	97,520	376,570	829,660	100%	0%	\$376,570	\$0	\$829,660	\$0	
Meter purchases/installs/upgrades	150,000	155,660	160,980	166,960	173,330	179,940	186,800	193,920	201,310	208,980	806,930	1,777,880	100%	0%	\$806,930	\$0	\$1,777,880	\$0	
Distribution transformers-non ATC	75,000	77,830	80,490	83,480	86,660	89,970	93,400	96,960	100,650	104,490	403,460	888,930	100%	0%	\$403,460	\$0	\$888,930	\$0	
Substation	0	0	0	0	0	0	0	0	0	0	0	0	0	100%	0%	\$0	\$0	\$0	\$0
Street lights & Yard lights	70,000	72,640	75,120	77,920	80,890	83,970	87,170	90,490	93,940	97,520	376,570	829,660	100%	0%	\$376,570	\$0	\$829,660	\$0	
Overhead Service installations/upgrades	10,000	10,380	10,730	11,130	11,560	12,000	12,450	12,930	13,420	13,930	53,800	118,530	100%	0%	\$53,800	\$0	\$118,530	\$0	
Underground Service installations/upgrades	250,000	259,420	268,290	278,270	288,880	299,890	311,320	323,190	335,510	348,300	1,344,860	2,963,070	100%	0%	\$1,344,860	\$0	\$2,963,070	\$0	
Temporary Service installations	50,000	51,880	53,660	55,650	57,780	59,980	62,260	64,640	67,100	69,660	268,970	592,610	100%	0%	\$268,970	\$0	\$592,610	\$0	
CAPITAL BLANKETS TOTAL	700,000	726,390	751,220	779,160	808,880	839,710	871,700	904,940	939,420	975,230	3,765,650	8,296,650			3,765,650	0	8,296,650	0	
GENERAL (UNRESTRICTED) TOTAL =	700,000	726,390	751,220	779,160	808,880	839,710	871,700	904,940	939,420	975,230	3,765,650	8,296,650							
PIF (RESTRICTED) TOTAL =	0	0																	
SPECIFIC PROJECTS																			
HYDRO GENERATION																			
SUBSTATION																			
Security gates and fences at Substations	500,000	518,850	536,580	556,539	577,755	599,779	622,642	0	0	0	2,689,724	3,912,144	100%	0%	\$2,689,720	\$0	\$3,912,140	\$0	
Installation of annunciators at substations	75,000	77,830	0	0	0	0	0	0	0	0	152,830	152,830	100%	0%	\$152,830	\$0	\$152,830	\$0	
Relay Replacements at Substations	225,000	233,480	241,460	0	0	0	0	0	0	0	699,940	699,940	100%	0%	\$699,940	\$0	\$699,940	\$0	
East Substation - Order & install new transformer to replace E1	0	0	0	1,113,080	0	0	0	0	0	0	1,113,080	1,113,080	100%	0%	\$1,113,080	\$0	\$1,113,080	\$0	
Extend new feeders for PRPA community solar garden from new Boedecker substation into system	250,000	0	0	0	0	0	0	0	0	0	250,000	250,000	100%	0%	\$250,000	\$0	\$250,000	\$0	
Extention of underground transmission to serve new substation in SE corner of service territory	0	0	0	0	0	0	14,154,070	0	0	0	0	14,154,070	100%	0%	\$0	\$0	\$14,154,070	\$0	
CUSTOMER ATC																			
Transformers	270,000	280,180	289,760	300,530	311,990	323,880	336,230	349,040	362,350	376,160	1,452,460	3,200,120	100%	0%	\$1,452,460	\$0	\$3,200,120	\$0	
Labor/Fleet & Other Materials	1,260,000	1,307,490	1,566,820	1,625,090	1,687,040	1,751,350	1,818,110	1,887,420	1,959,370	2,034,060	7,446,440	16,896,750	100%	0%	\$7,446,440	\$0	\$16,896,750	\$0	
Flood Related Hwy 34 Road Rebuild (CDOT Reimbursable)	300,000	0	0	0	0	0	0	0	0	0	300,000	300,000	100%	0%	\$300,000	\$0	\$300,000	\$0	
SYSTEM IMPROVEMENTS																			
Underground blanket-development driven construction of lateral feeder extention as required to meet new load requirements	150,000	155,650	214,630	278,260	288,870	299,880	311,310	323,180	335,500	348,290	1,087,410	2,705,570	100%	0%	\$1,087,410	\$0	\$2,705,570	\$0	
Demand Response	150,000	155,650	160,980	166,960	173,330	179,930	186,790	193,910	201,310	208,980	806,920	1,777,840	100%	0%	\$806,920	\$0	\$1,777,840	\$0	
Smaller Aging Infrastructure Replacement Projects	375,000	389,130	402,440	417,400	433,320	449,830	466,980	484,780	503,260	522,450	2,017,290	4,444,590	100%	0%	\$2,017,290	\$0	\$4,444,590	\$0	
Distribution Automation	110,000	114,150	118,050	122,440	127,110	131,950	136,980	142,200	147,620	153,250	591,750	1,303,750	100%	0%	\$591,750	\$0	\$1,303,750	\$0	
Planned Future Projects - General	0	0	0	1,947,890	1,733,260	1,811,330	2,864,150	4,072,180	3,623,490	3,761,620	3,681,150	19,813,920	100%	0%	\$3,681,150	\$0	\$19,813,920	\$0	
Energy Diversification Projects	500,000	518,850	536,580	556,540	577,750	599,779	622,642	646,377	671,017	696,596	2,689,720	5,926,131	100%	0%	\$2,689,720	\$0	\$5,926,130	\$0	
Triple Stack on ckt 614 - Sub to Sub Tie with Crossroads 2	100,000	0	0	0	0	0	0	0	0	0	100,000	100,000	100%	0%	\$100,000	\$0	\$100,000	\$0	
1 - Install 600 amp tie from Cascase west along Hwy 34, turning south on Rossum to Saint Andrews	500,000	0	0	0	0	0	0	0	0	0	500,000	500,000	100%	0%	\$500,000	\$0	\$500,000	\$0	
2 - Phase 3 of Canyon Voltage Conversion from the Water Treatment Plant to Idlewilde Park	700,000	0	0	0	0	0	0	0	0	0	700,000	700,000	100%	0%	\$700,000	\$0	\$700,000	\$0	
3 - Phase 4 of Canyon Voltage Conversion from Idlewilde Park to Waltonia Rd	50,000	726,380	0	0	0	0	0	0	0	0	776,380	776,380	100%	0%	\$776,380				

Project	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	5-Year Total (2017-2021)	10-Year Total (2017-2026)	General Unrestricted	SIF - Restricted	General Unrestricted - 5 year	PIF - Restricted - 5 year	General Unrestricted - 10 year	PIF - Restricted - 10 year
14 - Overhead to underground conversion along 14th St. SW between Roosevelt & S. Taft Ave.	20,000	601,860	0	0	0	0	0	0	0	0	621,860	621,860	100%	0%	\$621,860	\$0	\$621,860	\$0
15 - Overhead to underground conversion along 14th St. SE from St. Louis going .26 miles east	0	0	10,730	434,100	0	0	0	0	0	0	444,830	444,830	100%	0%	\$444,830	\$0	\$444,830	\$0
16 - Overhead to underground conversion along Madison between 16th & SW257 along ckt 231	0	0	0	0	0	59,980	1,183,020	0	0	0	0	1,243,000	100%	0%	\$0	\$0	\$1,243,000	\$0
17 - Overhead to underground conversion along Madison between 29th and vault 1023 - 200 amp	0	0	0	0	0	0	0	12,930	523,390	0	0	536,320	100%	0%	\$0	\$0	\$536,320	\$0
18 - Overhead to underground conversion - Downtown Catalyst	1,400,000	1,006,560	0	0	0	0	0	0	0	0	2,406,560	2,406,560	100%	0%	\$2,406,560	\$0	\$2,406,560	\$0
ROAD RELATED PROJECTS																		
Miscellaneous Small Projects	100,000	103,770	107,320	278,270	288,880	299,890	311,320	323,190	335,510	348,300	878,240	2,496,450	100%	0%	\$878,240	\$0	\$2,496,450	\$0
19 - Reconducto 921 on N Taft Ave from railroad right of way to Eisenhower	0	0	504,660	0	0	0	0	0	0	0	504,660	504,660	100%	0%	\$504,660	\$0	\$504,660	\$0
20 - Extension of 600 amp from 14th St SW to Hwy 60 along Hwy 287	1,100,000	0	0	0	0	0	0	0	0	0	1,100,000	1,100,000	100%	0%	\$1,100,000	\$0	\$1,100,000	\$0
STREET LIGHT PROJECTS																		
Arterials/Major Collectors	150,000	155,650	160,970	166,960	173,330	179,930	186,790	193,910	201,300	208,980	806,910	1,777,820	100%	0%	\$806,910	\$0	\$1,777,820	\$0
Customer requests/Miscellaneous projects/LED Installation Program	200,000	207,540	214,630	222,620	231,100	239,910	249,060	258,550	268,410	278,640	1,075,890	2,370,460	100%	0%	\$1,075,890	\$0	\$2,370,460	\$0
TOTAL SPECIFIC PROJECTS	9,935,000	8,213,330	7,587,560	9,600,279	7,949,905	6,927,417	23,450,094	8,887,667	9,132,527	8,937,326	43,286,074	100,621,105			43,286,070	0	100,621,100	0
HYDRO GENERATION (GENERAL) =	0	0	0	0	0	0	0	0	0	0	0	0	0				0	
SUBSTATION (GENERAL) =	1,050,000	830,160	778,040	1,669,619	577,755	599,779	14,776,712	0	0	0	4,905,574	20,282,064						
CUSTOMER ATC (GENERAL) =	1,830,000	1,587,670	1,856,580	1,925,620	1,999,030	2,075,230	2,154,340	2,236,460	2,321,720	2,410,220	9,198,900	20,396,870						
SYSTEM IMPROVEMENTS (GENERAL) =	2,655,000	3,170,140	1,432,680	3,489,490	3,333,640	3,472,699	4,588,852	5,862,627	5,482,197	5,691,186	14,080,950	39,178,511						
CONVERSIONS (GENERAL) =	2,850,000	2,158,400	2,532,680	1,847,700	1,346,170	59,980	1,183,020	12,930	523,390	0	10,734,950	12,514,270						
ROAD RELATED PROJECTS (GENERAL) =	1,200,000	103,770	611,980	278,270	288,880	299,890	311,320	323,190	335,510	348,300	2,482,900	4,101,110						
STREET LIGHT PROJECTS (GENERAL) =	350,000	363,190	375,600	389,580	404,430	419,840	435,850	452,460	469,710	487,620	1,882,800	4,148,280						

Project	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	5-Year Total (2017-2021)	10-Year Total (2017-2026)	General Unrestricted	SIF - Restricted	General Unrestricted - 5 year	PIF - Restricted - 5 year	General Unrestricted - 10 year	PIF - Restricted - 10 year	
PLANT INVESTMENT FEE PROJECTS																			
SUBSTATION PIF PROJECTS																			
Valley Substation - Order new transformer - V3	0	0	0	1,113,080	0	0	0	0	0	0	1,113,080	1,113,080	0%	100%	\$0	\$1,113,080	\$0	\$1,113,080	
Valley Substation - Order new switchgear lineup for V3	0	0	0	834,810	0	0	0	0	0	0	834,810	834,810	0%	100%	\$0	\$834,810	\$0	\$834,810	
Valley Substation - Install new switchgear lineup & transformer for V3	0	0	0	0	577,750	0	0	0	0	0	577,750	577,750	0%	100%	\$0	\$577,750	\$0	\$577,750	
East Substation - Order new switchgear lineup for E3	750,000	0	0	0	0	0	0	0	0	0	750,000	750,000	0%	100%	\$0	\$750,000	\$0	\$750,000	
East Substation - Install new switchgear lineup for E3	0	518,850	0	0	0	0	0	0	0	0	518,850	518,850	0%	100%	\$0	\$518,850	\$0	\$518,850	
New Substation in SE corner of service territory	0	0	0	0	0	0	0	7,983,000	0	0	0	7,983,000	0%	100%	\$0	\$0	\$0	\$7,983,000	
New Substation in SW corner of City near Boedecker Lake	0	0	0	0	0	0	0	0	5,007,240	0	0	0	5,007,240	0%	100%	\$0	\$0	\$0	\$5,007,240
Land purchase for new substation	1,700,000	0	0	0	0	0	0	0	0	0	1,700,000	1,700,000	0%	100%	\$0	\$1,700,000	\$0	\$1,700,000	
Foothills Substation - Order and Install new transformer - F2	0	0	1,395,120	0	0	0	0	0	0	0	1,395,120	1,395,120	0%	100%	\$0	\$1,395,120	\$0	\$1,395,120	
FEEDER PIF PROJECTS																			
Blanket-development driven construction of miscellaneous primary feeder extensions as required to meet new load requirements	150,000	155,650	160,980	166,960	173,330	179,930	186,790	193,910	201,310	208,980	806,920	1,777,840	0%	100%	\$0	\$806,920	\$0	\$1,777,840	
21 - Feeder from Horseshoe to Woodward/Lee Farms Subdivision	1,500,000	1,556,540	0	0	0	0	0	0	0	0	3,056,540	3,056,540	0%	100%	\$0	\$3,056,540	\$0	\$3,056,540	
22 - Install conduits from Byrd Dr to I25 Frontage Rd, connecting at Kendall Pkwy	0	0	0	1,001,770	0	0	0	0	0	0	1,001,770	1,001,770	0%	100%	\$0	\$1,001,770	\$0	\$1,001,770	
23 - Install 750 AL from MCR to Kendall Pkwy & I25 - sub to sub tie between Crossroads and Airport	800,000	0	0	0	0	0	0	0	0	0	800,000	800,000	0%	100%	\$0	\$800,000	\$0	\$800,000	
24 - Sub to Sub Tie - Install new conduit bank and 750 AL from Garfield to CR 11	0	0	0	0	0	0	996,230	0	0	0	0	996,230	0%	100%	\$0	\$0	\$0	\$996,230	
25 - Sub to Sub Tie - Install new conduit bank and 750 AL from 57th and Taft to vault V1780.	0	0	0	0	0	59,980	871,700	0	0	0	0	931,680	0%	100%	\$0	\$0	\$0	\$931,680	
26 - Foothills Substation Conduit - Install new conduit along W. 22nd east from Rio Blanco to Van Buren	20,000	1,556,540	0	0	0	0	0	0	0	0	1,576,540	1,576,540	0%	100%	\$0	\$1,576,540	\$0	\$1,576,540	
27 - Extend new feeders from Valley V3 into system	0	0	0	0	57,780	1,679,380	0	0	0	0	57,780	1,737,160	0%	100%	\$0	\$57,780	\$0	\$1,737,160	
28 - Extend new feeders from new substation in SE corner of service territory into system	0	0	0	0	0	0	0	38,780	2,643,810	0	0	2,682,590	0%	100%	\$0	\$0	\$0	\$2,682,590	
29 - Extend new feeders from new Boedecker substation into system	0	0	0	0	0	0	0	0	26,840	2,089,790	0	0	2,116,630	0%	100%	\$0	\$0	\$0	\$2,116,630
30 - Sub to Sub Tie - Install new duct bank and 750 AL on Madison E on 37th to CR11C, N to CR30.	0	0	0	0	0	62,260	969,570	0	0	0	0	1,031,830	0%	100%	\$0	\$0	\$0	\$1,031,830	
31 - Sub to Sub Tie - Extend new feeders along CR 11 from 57th St. to CR 30	0	0	0	22,260	901,300	0	0	0	0	0	923,560	923,560	0%	100%	\$0	\$923,560	\$0	\$923,560	
32 - Sub to Sub Tie - Extend new feeders along CR 11 from Boyd Lake Ave. to CR 30	0	51,880	1,556,090	0	0	0	0	0	0	0	1,607,970	1,607,970	0%	100%	\$0	\$1,607,970	\$0	\$1,607,970	
POWER GENERATION PIF																			
TOTAL PIF PROJECTS	4,920,000	3,839,460	3,112,190	3,138,880	1,710,160	1,919,290	2,116,980	9,185,260	7,879,200	2,298,770	16,720,690	40,120,190			0	16,720,690	0	40,120,190	
SUBSTATION PROJECTS (RESTRICTED) =	2,450,000	518,850	1,395,120	1,947,890	577,750	0	0	7,983,000	5,007,240	0	6,889,610	19,879,850							
FEEDER PROJECTS (RESTRICTED) =	2,470,000	3,320,610	1,717,070	1,190,990	1,132,410	1,919,290	2,116,980	1,202,260	2,871,960	2,298,770	9,831,080	20,240,340							
POWER GENERATION PROJECTS (RESTRICTED) =	0	0	0	0	0	0	0	0	0	0	0	0							
GENERAL PLANT																			
Crane Truck to replace 5307	360,000	0	0	0	0	0	0	0	0	0	360,000	360,000	100%	0%	\$360,000	\$0	\$360,000	\$0	
4WD UB to replace 5120	44,000	0	0	0	0	0	0	0	0	0	44,000	44,000	100%	0%	\$44,000	\$0	\$44,000	\$0	
4WD UB to replace 5128	83,500	0	0	0	0	0	0	0	0	0	83,500	83,500	100%	0%	\$83,500	\$0	\$83,500	\$0	
2 WD PU to replace 5117	25,000	0	0	0	0	0	0	0	0	0	25,000	25,000	100%	0%	\$25,000	\$0	\$25,000	\$0	
Copier replacement	25,000	0	0	0	0	0	0	0	0	0	25,000	25,000	100%	0%	\$25,000	\$0	\$25,000	\$0	
Stand Alone Server	44,350	0	0	0	0	0	0	0	0	0	44,350	44,350	100%	0%	\$44,350	\$0	\$44,350	\$0	
Misc Hardware Failures	7,500	0	0	0	0	0	0	0	0	0	7,500	7,500	100%	0%	\$7,500	\$0	\$7,500	\$0	
TOTAL GENERAL PLANT PROJECTS	589,350	0	589,350	589,350			589,350	0	589,350	0									
POWER GENERAL TOTAL =	11,224,350	8,939,720	8,338,780	10,379,439	8,758,785	7,767,127	24,321,794	9,792,607	10,071,947	9,912,556	47,641,074	109,507,105							
POWER PIF TOTAL =	4,920,000	3,839,460	3,112,190	3,138,880	1,710,160	1,919,290	2,116,980	9,185,260	7,879,200										



CITY OF LOVELAND
WATER & POWER DEPARTMENT
200 North Wilson • Loveland, Colorado 80537
(970) 962-3000 • FAX (970) 962-3400 • TDD (970) 962-2620

AGENDA ITEM: 7

MEETING DATE: 5/18/2016

SUBMITTED BY: Kim O'Field, Technical Specialist

AB for KO

TITLE: CAMU Legislative Update

DESCRIPTION:

Loveland staff relies primarily on the Colorado Association of Municipal Utilities (CAMU) for information on electric-related legislation. This item is intended to give a brief overview of CAMU and an update on electric-related legislation.

SUMMARY:

Dan Hodges, Executive Director of CAMU will be giving a presentation to the Commission.

RECOMMENDATION:

Staff item only. No action required.

REVIEWED BY DIRECTOR:

AB for SA



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AGENDA ITEM: 8

MEETING DATE: 5/18/2016

SUBMITTED BY: Gretchen Stanford, Customer Relations Manager and Tracey Hewson, Customer Relations Business Specialist

TITLE: Redefining our Key Accounts Program

DESCRIPTION:

Our current Key Accounts program is based loosely on criteria developed from the 2004 American Public Power Association (APPA) Key Accounts Certification Program. Recently, Gretchen Stanford, Customer Relations Manager, and Tracey Hewson, Customer Relations Business Specialist, were certified through the new APPA Key Accounts Certification Program and would like to more effectively service our Key Accounts by applying metrics to our program and redefining levels of service.

SUMMARY:

We intend to redefine our levels of service provided through the Key Accounts program based on national research found in the APPA Certification Criteria. The suggested Key Accounts criteria includes revenue, consumption of water and power, employee base, community influence, growth potential and participation in the program. With only two people managing the Key Account customers, we feel we can more effectively meet the expectations of our most vital customers by setting realistic goals and adapted levels of service. Staff will be presenting the results of the criteria and discussing specific customer names and data, at this time, we will move the meeting into an executive session.

RECOMMENDATION:

Staff item only. No action required.

REVIEWED BY DIRECTOR:



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AGENDA ITEM: 9

MEETING DATE: 5/18/2016

SUBMITTED BY: Steve Adams, Director

AB for SA

TITLE: Commission/Council Report

SUMMARY:

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

- Power Cost-of-Service Study Kickoff Meeting – April 29, 2016
- ISO Celebration Breakfast – May 6, 2016

RECOMMENDATION:

Commission/Council report only.

REVIEWED BY DIRECTOR:

AB for SA



AGENDA ITEM: **10**

MEETING DATE: 5/18/2016

SUBMITTED BY: Steve Adams, Director

AB for SA

TITLE: Director's Report

SUMMARY:

- **Tri-City Meeting Update** — Mark your calendars for the Tri-City Meeting which will be on Thursday, May 19, 2016 from 6:00 pm – 9:00 pm at the Embassy Suites located at 4705 Clydesdale Parkway in Loveland. For all meeting information check out www.cityofloveland.org/tricities

Please remember to wear your name badge to this event. Below is a list of LUC and staff attendees. – Allison Bohling

Tri-City Attendees:	
1. Allison Bohling 2. Jean Mullet-Hosey 3. Alicia Calderon 4. Eugene Packer 5. Jennifer Gramling 6. Gary Hausmann 7. Dan Herlihey 8. Dave Kavanagh 9. John Rust Jr. 10. Randy Williams	11. Larry Roos 12. David Schneider 13. Greg Dewey 14. Gretchen Stanford 15. Steve Adams 16. Cecil Gutierrez 17. Larry Howard 18. Kim Frick 19. Michelle Stalker 20. Roger Berg

- **Upcoming LUC Commission Expirations** — All three LUC board members have submitted their renewal packets. – Allison Bohling
- **Joint Meeting with Fort Collins Energy Board and Loveland Utilities Commission** — Staff would like LUC to provide feedback on if they would like to move one of our regularly scheduled LUC meetings to one of the date listed below, and have a portion of the meeting at the Service Center, and the remaining in Fort Collins, or if the LUC would prefer to have an additional LUC meeting to accommodate for this request. Also, staff would like feedback from the LUC on a preference for which date to hold this meeting.

Possible Meeting Dates

- August 4 – Regular Meeting
- August 25 – Work Session
- September 1 – Regular Meeting
- October 6 – Regular Meeting
- October 27 – Work Session
- November 3 – Regular Meeting

Once a date is selected, the LUC should discuss what topics of interest could be shared at the meeting. Fort Collins has suggested, to discuss each cities' electric energy values, goals, strategies, and current projects and areas of collaboration. – Allison Bohling

- **Wastewater Worker Recognition Week** — This year, Colorado Governor John Hickenlooper declared April 18 to 22, 2016 Wastewater Worker Recognition Week. This is a statewide honor recognizing 4,000 certified wastewater treatment plant staff. Our workers are committed every day to protect public health. Please see attachment A for a copy of the proclamation. – Allison Bohling
- **Open House for the NEW Development Center (DC)** — Please plan on joining us for the open house on June 10, 2016 from 9 am to 12 pm for the open house celebration at the new Development Center (DC). For a copy of the formal invitation please see attachment B. The goal of the DC is to have a centralized project development center that unites the whole development review team to help facilitate the needs of our customers. The hope is to expedite and streamline processes and create a great experience for both internal and external customers. – Gretchen Stanford
- **FEMA Solar and Substation Alternate Project Update** — Construction at the Foothills site is moving along nicely and we are on schedule. The project boards have been installed at the site. Staff has contracted with a videographer to help with the professional videos. The solar panels will be installed starting in July and bidding has begun for the switchgear for the substation. – Gretchen Stanford
- **2016 Fact Sheet** — Please see attachment C for a copy of the 2016 Water and Power re-designed Fact Sheet. – Allison Bohling
- **Broadband Update** — Comprehensive 2 hour interview times are being set up with the respondents to the Broadband Assessment and Feasibility Analysis Request for Proposal (RFP). The internal Broadband Project Team is performing a full evaluation and interview process to select the respondent most able to meet Loveland's scope of work for this initiative.



The Broadband Task Force, comprised of representation from local business and community members with an interest in the broadband initiative will have their first meeting on Thursday, June 2, 2016 from 8 am to 10 am in the Loveland Service Center Board Room, located at 200 N. Wilson Ave.

For information on Loveland's broadband initiative please see the City's website at www.cityofloveland.org/broadband – Kim O'Field

- **FERC Site Visit for Idylwilde Project** — On May 12, 2016, Staff will be hosting Mr. Steve Hocking, Chief of Environmental and Project Review Branch, Federal Energy Regulatory Commission (FERC), Washington D.C. Mr. Hocking is a renowned expert on the hydropower licensing and permitting and will be in Fort Collins to instruct US Forest Service personnel about FERC's process requirements. Staff is honored to have Mr. Hocking in the area and interested to visit the Idylwilde Project of which the City of Loveland is in process of surrendering the hydropower license. The City's license surrender effort involves environmental permitting, de-construction and site restoration and is expected to extend into 2019. Other personnel from cooperating agencies (i.e. US Forest Service and Colorado

Parks and Wildlife, Colorado Department of Transportation and U.S. Fish and Wildlife) will be on hand in the field to provide their input to the City and Mr. Hocking. – Greg Dewey

- **Water and Power Strategic Plan Update** — Water and Power Department staff have conducted interviews with three of the four consulting firms. The current plan is to select a consultant by the end of 2016 with project kickoff in July 2016. – Steve Adams
- **Windy Gap Firming Project Update** — The Windy Gap Firming Project permitting process continues to move ahead, with the current area of focus being the 404 Permit from the US Army Corps of Engineers (COE). This is the last formal permit needed, and project proponents anticipate it will be issued by mid-to-late summer. The EPA has veto power over the COE, so once the permit is issued that agency will have opportunity for review and comment. Once that is completed, and assuming an EPA veto is not applied, the project can truly move ahead into engineering design and construction.

Project participants are entering formal discussions on financing options for the project. Some have cash, some intend to borrow, and some will be using a combination of payments methods. An important question is whether borrowing should be done jointly or individually. First Southwest has been recommended as the financial firm to provide guidance on options for financing, and an agreement not to exceed \$60,000 is on the May 12 Northern Water Board meeting. The work plan is expected to take 16 weeks, with a report delivered by September, 2016. Work should begin within a week of this LUC meeting. The participants will all be contacted by First Southwest to provide information on financing plans they have so far including cash available to put down, financing requirements, bond covenants or resolutions, debt capacity, etc. They will also look at these factors as a group, so that individual and group financing can be compared. First Southwest will also develop a financial model based on the group financing option so that if changes in participation by individual participants occur the model can be run and predict changes to the financing costs. They will also consider the Colorado Water and Power Authority and Colorado Water Conservation Board for financing options as well as the bond markets.

Selection of an engineering firm for project design is underway and interviews have been conducted with the HDR/AECOM and MWH groups. Formal approval of an engineering firm for contract is expected at Northern Water's June, 2016 board meeting. Please see Attached D for information related to the project, including Governor Hickenlooper's endorsement of the project, news releases and articles from various entities – Larry Howard

- **March 7, 2016 Fish Kill Incident Update** — Staff will give a verbal update at the May 18, 2016 LUC meeting regarding the March 7, 2016 upper Big Thompson River fish kill incident. – Roger Berg and Scott Dickmeyer
- **Hach Walk** — On May 7, 2016 from 9:00 am – 1:00 pm staff participated in the annual Hach Walk. This was the 3rd annual Walk for Water in support of Water Mission. Every day, millions of women and children in developing countries walk nearly 4 miles to retrieve water to their family's daily needs. In most cases, even after walking for miles and miles, the water they have to drink is contaminated. The walk simulated this trek to raise awareness of the global water crisis here in our community. – Allison Bohling

- **Public Works Day** — Loveland Water and Power participated in the annual Public Works Day on May 17, 2016. Kindergarten through 5th graders from Loveland visited educational booths including Loveland Water and Power's what not to flush demonstration, electric vehicle display and the water conservation area. – Allison Bohling
- **Children's Water Festival** — On May 12, 2016 at Good Shepherd Church from 8:00 am to 2:00 pm nearly 800 5th grade students from the Thompson School District joined Loveland Water and Power, City of Loveland Stormwater Engineering and Northern Water at the annual Children's Water Festival. The event offered educational activities and presentations to the students including presentations from LWP staff on water conservation, backflow, water wheel, GIS water system mapping, power safety demo and regional water trivia. – Lindsey Bashline
- **Passport to Water and Power** — Loveland Water and Power is proud to be hosting the 3rd Annual Passport to Water and Power event. The event will take place at the Loveland Water and Power Service center Thursday, June 9, 2016 from 3:30 pm to 7:00pm.

This outdoor event allows Loveland residents the chance to get to know their local municipal utility - Loveland Water and Power. Customers can interact with each aspect of their utility, in order to learn who we are, what we do, where we work, and how we, as a municipal utility, provide water and power to the Loveland community. The event includes fun activities, educational displays, demonstrations and heavy equipment. The activities are kid friendly and the event is free and open to the general public. Last year's event series was a great success, you can learn more about Passport to Water & Power event here:

<https://www.youtube.com/watch?v=WC9LfcJX1sE>

Based of feedback at the April 20, 2016 LUC meeting we will be having a booth for LUC board members. Board members can volunteer for the event and serve as a resource for community members to learn more about the purpose of the commission. If you are interested in volunteering please let Allison Bohling know before May 20, 2016. – Allison Bohling

- **Community Stewardship Lecture Series** – High Plains Environmental Center has partnered with Loveland Water and Power to bring you a free lecture series you won't want to miss! Every second Tuesday throughout the year, the public is invited to go to Grimm Brothers Brewhouse, 623 Denver Avenue Loveland, CO 80537 and learn from experts in the field about horticulture, energy, water, sustainability and more. Pre-registration is required. New topics announced monthly. For more information about the lecture series and how to sign-up, check out www.cityofloveland.org/LWPlectures. – Lindsey Bashline



Calendar of Upcoming Lectures:

- June 14, 2016 – Introduction to Open Space
- July 12, 2016 – Powering-up! Renewable energy options in Loveland
- August 9, 2016 – Composting

- **Spring into Green (previously called Earth Day) Update** — Due to the weather conditions during the week of April 25, 2016 Spring into Green was unfortunately cancelled. The 2016 event will not be rescheduled, however the event is set to take place again in 2017. Hopefully, the event will be moved to a larger venue and will be expanding the number and variety of booths offered next year. — Allison Bohling
- **Rescheduling of July 2016 LUC Meeting** — This is just a reminder that July's LUC meeting has been rescheduled for Wednesday, July 27, at 4:00 pm. Mark Beauchamp, our Power Rate Consultant will be appearing at that meeting via videoconference for a second discussion regarding proposed power rates for 2017. — Jim Lees
- **Northern Water Conservation Gardens Fair** — Everyone is invited to attend the free, educational Northern Water Conservation Gardens Fair on Saturday, May 21, 2016 from 9:30 am to 2:00 pm at Northern Water's headquarters at 220 Water Avenue in Berthoud. The fair will feature Conservation Gardens tours, how-to seminars and guided tours of the conservation gardens. Loveland Water and Power staff will also participate and have a booth at this year's event. See attachment E for additional information on this event. — Allison Bohling

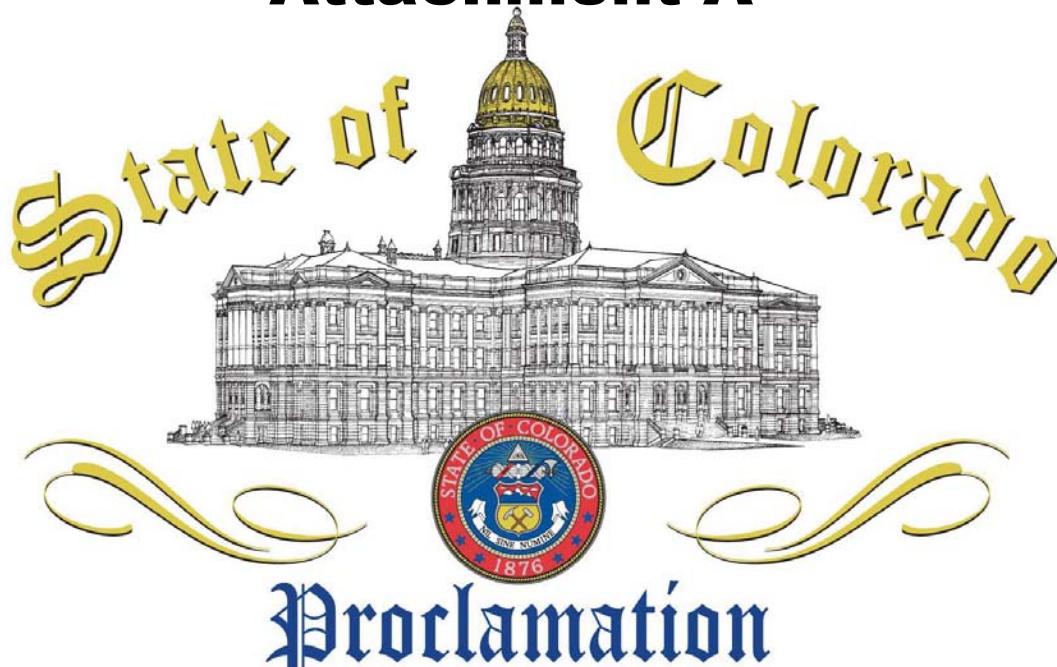
RECOMMENDATION:

Director's report only.

REVIEWED BY DIRECTOR:

JB for SA

Attachment A



WHEREAS, Colorado's water is a valuable economic, environmental and recreational resource that must be protected; and

WHEREAS, Colorado's wastewater treatment workers consistently work to improve the cleanliness of Colorado's streams, rivers and lakes; and

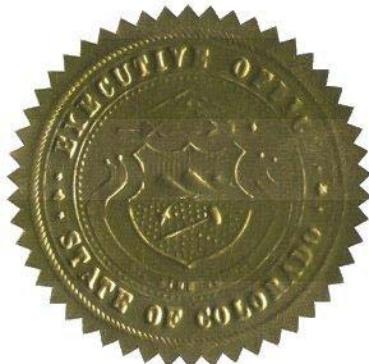
WHEREAS, Colorado's wastewater treatment workers include operators, maintenance personnel, laboratory workers, sewer maintenance workers, bio-solids workers, industrial waste pretreatment workers, administrative workers, engineers and suppliers; and

WHEREAS, it is fitting to honor Colorado's wastewater workers for protecting the water and environment of this State;

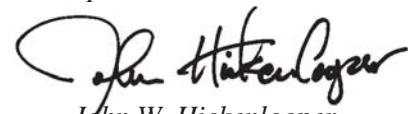
Therefore, I, John W. Hickenlooper, Governor of the entire State of Colorado, do hereby proclaim, forever after, the period between April 18, 2016 and April 22, 2016, as

WASTEWATER WORKER RECOGNITION WEEK

in the State of Colorado.



GIVEN under my hand and the Executive Seal of the State of Colorado, this eighteenth day of April, 2016


John W. Hickenlooper
Governor

Attachment B



DEVELOPMENT CENTER

Planning + Permitting + Building

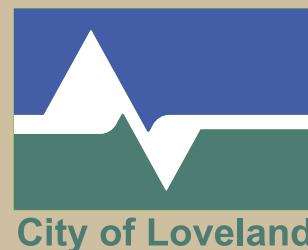
OPEN HOUSE CELEBRATION

FRIDAY - JUNE 10, 2016

9 AM-12 PM at 410 E. 5th Street
(Administration Building at 5th & Washington)

WE HOPE TO SEE YOU THERE!

The new Development Center will unite Current Planning, Building Services, Transportation Review and Community & Strategic Planning in one setting to better serve our customers and the community. Come meet the staff, tour the building, and learn how we can collaborate while enjoying refreshments and light snacks.





Loveland Water and Power

Attachment C POWER 2015 FACT SHEET



Awarded as a
Platinum Reliable
Public Power Provider

POWER EMERGENCY
24 HOURS / 7 DAYS A WEEK
(970) 663-1043

WATER & POWER DIRECTOR STEVE ADAMS
POWER DIVISION MANGER BOB MILLER
CUSTOMER RELATIONS MANAGER GRETCHEN STANFORD
UTILITY ACCOUNTING MANAGER JIM LEES

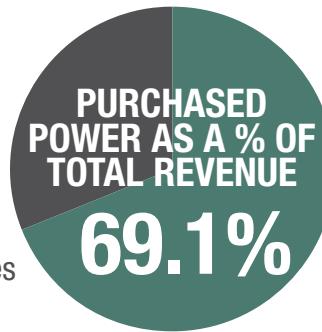
FINANCIAL DATA



ELECTRIC REVENUES
\$55,971,562

Purchased Power Expenses
\$40,629,266

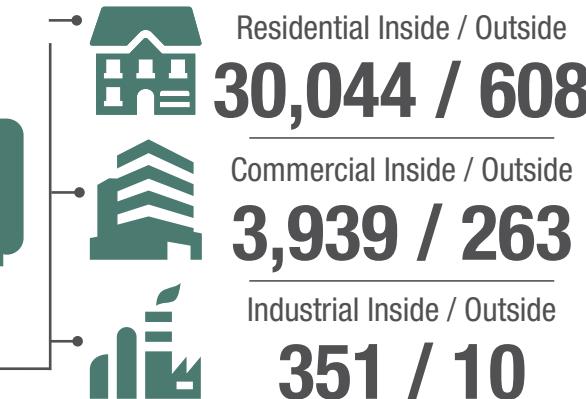
Power System Expenses
\$11,761,624



CUSTOMER & EMPLOYEE DATA



TOTAL ELECTRIC CUSTOMERS
35,215



Average Residential Electric Rate **9.15¢/kWh**
Average Residential per Capita per Day Electric Use **9 kWh**
Average Residential Customer's per Capita per Day Electric Use **22 kWh**
Year Power Department was Created **1925**



Key Accounts

33



Electric Employees

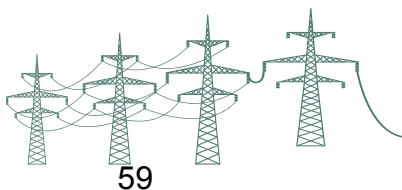
48.8



Energy Efficiency Programs
Residential **6**
Commercial **1**
Renewable Energy Programs **1**

GENERATING UNITS

Net Metering Agreements **36 MW's**
Net Metering Generation Total **2,534 MW's**



SYSTEM DATA

CURRENT SERVICE AREA

74 SQ. MILES

ANNUAL PURCHASED POWER
753,665 MWH

Summer Peak **144.8 MW's**
(July - September)

Winter Peak **100.4 MW's**
(January - March, December)

System Load Factor **59.8%**

System Power Factor **97.7%**

Substations

Substations **6**
Substation Transformers **14**

Distribution Lines

Overhead Distribution Lines
Pole Miles **111**
Pole Miles (Canyon) **33**
Underground Distribution Lines
Circuit Miles **526**
COMBINED TOTAL MILES **670**

Street Lights

Overhead **1,051**
Underground **4,828**
TOTAL STREET LIGHTS **5,879**

Distribution Voltage

In City Limits **12.47 kV**
Big Thompson **10**
Canyon **22.9, 4.16 & 2.4 kV**



Loveland Water and Power

WATER & WASTEWATER FACT SHEET 2015



proud members of...



WATER & SEWER EMERGENCY

24 HOURS / 7 DAYS A WEEK

(970) 962-3720 BUSINESS HOURS

(970) 962-3456 AFTER HOURS AND HOLIDAYS

WATER & POWER DIRECTOR STEVE ADAMS

WATER DIVISION MANGER CHRIS MATKINS

CUSTOMER RELATIONS MANAGER GRETCHEN STANFORD

UTILITY ACCOUNTING MANAGER JIM LEES

FINANCIAL DATA



WATER REVENUES

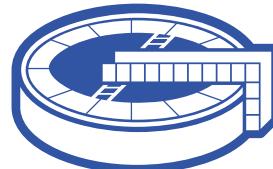
\$12,157,403

Water Expenses **\$11,030,849** Wastewater Expenses ... **\$6,123,987**

WASTEWATER REVENUES

\$9,457,201

WATER SYSTEM DATA



CURRENT SERVICE AREA 32 SQ. MILES

Treated Water Storage **20.3 MGD**

Miles of Lines **450.55**

Number of Hydrants **3,017**

Number of Pump Stations **7**

WATER TREATMENT PLANT

Capacity **30 MGD**

Summer Average **16.82 MGD**
(May - August)

Winter Average **6.63 MGD**
(January - March & December)

WATER CUSTOMER AND EMPLOYEE DATA



TOTAL WATER CUSTOMERS
25,529

Residential Inside / Outside	23,103 / 904
Commercial Inside / Outside	1,100 / 84
Irrigation Inside / Outside	280 / 5

Average Residential Water Rate	..... \$3.76 per 1,000 GALLONS
Average Residential per Capita per Day Water Use	..... 89 GALLONS
Average Residential Customer's per Day Water Use	..... 275 GALLONS
Water Conservation Programs	..... 3
Number of Water Employees	..... 45.8
Year Water Department was Created	..... 1887

WASTEWATER CUSTOMER AND EMPLOYEE DATA



TOTAL WASTEWATER CUSTOMERS
25,874

Residential Inside / Outside	22,986 / 343
Commercial Inside / Outside	1,116 / 43
Flat Rate	..... 1,386
High Strength Surcharge	..... 293

Average Residential Wastewater Rate	..... \$5.38 / 1,000 GALLONS
Year Wastewater Department was Created	..... 1902
Number of Wastewater Employees	..... 34.6

WASTEWATER SYSTEM DATA

CURRENT SERVICE AREA

29 SQ. MILES

WASTEWATER TREATMENT PLANT

Hourly Peak **18 MGD**

Actual Peak Day **12.5 MGD**

Hydraulic Capacity **10 MGD**

Organic Capacity **20,236 lbs/day**

Summer Average **7.5 MGD**
(April - September)

Winter Average **6.0 MGD**
(Jan. - March & Oct. - Dec.)

Miles of Lines **342.45**

Number of Manholes **8,590**

Number of Lift Stations **16**

(13 Public & 3 Private) **10**

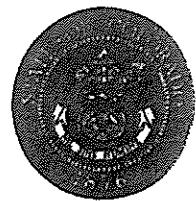
10

Attachment D

STATE OF COLORADO

OFFICE OF THE GOVERNOR

136 State Capitol Building
Denver, Colorado 80203
(303) 866-2471
(303) 866-2003 fax



April 12, 2016

John W. Hickenlooper
Governor

Eric Wilkinson
General Manager, Northern Colorado Water Conservancy District
220 Water Avenue
Berthoud CO 80513

Dear Mr. Wilkinson,

I write today to provide the State of Colorado's endorsement of the Windy Gap Firming Project (WGFP). Northern and its many project partners have worked diligently, transparently and exhaustively in a collaborative public process that could stand as a model for assessing, reviewing and developing a project of this nature.

The proposed WGFP has been in the process of obtaining federal, State of Colorado and local permits and certifications since 2003, including the required Fish and Wildlife Mitigation Plan approved by Colorado Parks and Wildlife and the Colorado Water Conservation Board and, most recently, the Section 401 Water Quality Certification from the Colorado Department of Public Health and Environment.

Further, WGFP aligns with the key elements of the Colorado Water Plan; it is an "Identified Project and Process" (IPP) in Colorado's Water Plan and State endorsement at this point in the process of developing a water project was also discussed in the Colorado Water Plan.

With necessary permits and certifications in hand, and 13 years of an exemplary public participation process involving stakeholders across the spectrum of interests, geography and governments, I will direct my staff to work with the U.S. Army Corps of Engineers in its issuance of a Section 404 Permit for the WGFP. With fixed attention to this final regulatory step, we can ensure this project moves forward in a timely manner.

Best regards,

A handwritten signature in black ink that reads "John Hickenlooper".

John Hickenlooper
Governor



COLORADO
Gov. John Hickenlooper

FOR IMMEDIATE RELEASE

Office of Gov. John Hickenlooper

**Gov. Hickenlooper endorses water project that brings
benefits to northern Front Range, Western Slope**

DENVER – Wednesday, April 13, 2016 – Gov. John Hickenlooper today formally endorsed the Windy Gap Firming Project, a water project that will serve cities and farmers on the northern Front Range as well as provide environmental benefits on the Western Slope. The project expands the existing Windy Gap system built in the 1980s and includes the planned Chimney Hollow Reservoir southwest of Loveland to ensure more reliable supplies for the Northern Colorado Water Conservancy District and other project participants. It also includes several protective measures for fish and waterways on the Western Slope.

“Northern Water and its many project partners have worked diligently, transparently and exhaustively in a collaborative public process that could stand as a model for a project of this nature,” Hickenlooper said. “This is precisely the kind of cooperative effort envisioned for a project to earn a state endorsement in Colorado’s Water Plan.”

The Windy Gap Firming Project has been in the process of obtaining federal, state and local permits and certifications since 2003, including the required Fish and Wildlife Mitigation Plan approved by Colorado Parks and Wildlife, the Colorado Water Conservation Board and, most recently, the Section 401 Water Quality Certification from the Colorado Department of Public Health and Environment.

“Colorado moves the needle today with endorsement of a project that makes gains for the environment and water supply together,” said James Eklund, director of the Colorado Water Conservation Board, the agency that facilitated development of Colorado’s Water Plan. “Grand County, environmental stakeholders, and Northern Water set an excellent example of the collaboration necessary to achieve the bold measurable objectives of Colorado’s Water Plan and the Colorado and South Platte Basin Implementation Plans.”

The Windy Gap Firming Project includes several measures to mitigate environmental impacts to protect fish, ensure stream protection, and reduce water quality impacts to Grand Lake and the Colorado River. These and other agreements were key to building support for the project across a spectrum of interests and for earning endorsement from the state.

“Northern Water worked closely with state biologists to ensure that impacts on streams and rivers - and the fish and wildlife that depend on them - were identified and addressed through mitigation for the benefit of the environment, wildlife and recreation,” said Bob Broscheid, director of Colorado Parks and Wildlife. “This was a thorough and unified process and shows what we can accomplish when we work together to reach shared goals.”

With necessary permits and certifications for the project in hand, Hickenlooper also today directed his staff to work with the U.S. Army Corps of Engineers in the federal agency's issuance of a Section 404 Permit, the final federal regulatory step for the project.

www.colorado.gov/governor





News Release

FOR IMMEDIATE RELEASE
April 13, 2016

CONTACT: Brian Werner
Public Information Officer
970-622-2229/bwerner@northernwater.org

Governor endorses water project aligned with Colorado Water Plan

Chimney Hollow Reservoir close to reality

BERTHOUD – Today the State of Colorado officially endorsed the Windy Gap Firming Project and Chimney Hollow Reservoir.

John Stulp, Governor John Hickenlooper's Water Policy Advisor, made the announcement at Northern Water's Spring Water Users meeting in Loveland. Reading a letter signed by Gov. Hickenlooper, Stulp told the 200 attendees that this is the state of Colorado's first endorsement of a water project under the Colorado Water Plan, which was finalized last November.

"Further, the WGFP aligns with the key elements of the Colorado Water Plan..." Hickenlooper wrote.

Hickenlooper continued, "Northern Water and its many project partners have worked diligently, transparently and exhaustively in a collaborative public process that could stand as a model for assessing, reviewing and developing a project of this nature."

Northern Water's Municipal Subdistrict President Dennis Yanchunas spoke for the project's participants in saying, "It's really exciting to have that endorsement, the first ever by the state."

Colorado's endorsement came on the heels of state water quality certification in late March.

The Colorado Department of Public Health and Environment issued its 401 water quality certification for the Windy Gap Firming Project on March 25, bringing the project permitting process nearer to completion.

"This is the next to the last step in getting the project permitted," said Project Manager Jeff Drager. "The final step is the federal 404 wetlands permit from the U.S. Army Corps of Engineers, which we believe will be forthcoming in the next few months."

(Over)

The state's endorsement of the WGFP culminates 13 years of diligent effort and lengthy negotiations to permit and authorize a project that will assure a reliable water supply for more than 500,000 northern Front Range residents.

The federal permitting process began in 2003 under the National Environmental Policy Act. The U.S. Bureau of Reclamation served as the lead federal agency and issued a final Environmental Impact Statement in 2011 and a Record of Decision in 2014 for Chimney Hollow Reservoir.

In addition, the Colorado Parks and Wildlife Commission and Colorado Water Conservation Board approved a fish and wildlife mitigation plan in 2011. The following year the Grand County Commissioners issued a 1041 permit and reached an agreement with Northern Water's Municipal Subdistrict on a mitigation and enhancement package.

A wide variety of organizations, including Trout Unlimited, support the CDPHE's long-awaited ruling.

"This permit is another step toward fulfilling the Windy Gap Firming Project's potential to be part of a balanced water supply strategy for Colorado Front Range," said Drew Peternell, director of TU's Colorado Water and Habitat Project.

"Through a balanced portfolio – including responsible supply projects like WGFP – along with stronger conservation and reuse programs and ag-urban water sharing -- Colorado can meet its diverse water needs..." Peternell added.

The Windy Gap Firming Project is a collaboration of 12 Northern Front Range water providers and the Platte River Power Authority to improve the reliability of their Windy Gap water supplies. Windy Gap began delivering water in 1985.

The participants include 10 municipalities: Broomfield, Erie, Evans, Fort Lupton, Greeley, Lafayette, Longmont, Louisville, Loveland and Superior; two water districts: Central Weld County and Little Thompson; and one power provider: Platte River. They currently provide water to 500,000 people.

The current cost estimate for WGFP is \$400 million. To date the participants have spent \$15 million on associated permitting costs.

Chimney Hollow Reservoir will store 90,000 acre-feet of water and will be located just west of Carter Lake Reservoir in southern Larimer County.

###

FOR IMMEDIATE RELEASE

March 30, 2016

Contact:

Mely Whiting, (720) 470-4758

mwhiting@tu.org

Drew Peternell, (303) 204-3057

dpeternell@tu.org

TU praises river protections in Windy Gap project permit

Says 401 permit conditions put threatened river and fishery on road to recovery

(Denver)—The Colorado Department of Public Health and Environment this week released its final 401 water quality certification for the proposed Windy Gap Firming Project (WGFP), which would divert additional water from the Upper Colorado River to northern Front Range communities. Trout Unlimited praised the 401 permit conditions for reaffirming the health of the Upper Colorado River and its world-class trout fishery.

“We firmly believe these permit conditions establish a strong health insurance policy for the Upper Colorado River,” said Mely Whiting, counsel for Trout Unlimited.

For years, Front Range water diversions have removed about 60 percent of the native flows of the Colorado headwaters, severely impacting fish and other aquatic life that depend on healthy flows to clean cobble and prevent the buildup of habitat-choking algae and sediment. The proposed Windy Gap expansion would further reduce native flows.

TU said the conditions included in the 401 permit for WGFP address critical fish habitat and water quality needs by:

- preventing stream temperature impacts during low flows in the summer.
- providing periodic “flushing flows” to cleanse the river during runoff.
- requiring ongoing monitoring and response if degraded conditions are detected.

The 401 permit conditions largely incorporate the protections included in earlier agreements involving the WGFP sponsor, the Municipal Subdistrict of the Northern Colorado Water Conservancy District (Subdistrict) and its project participants, and other stakeholders, including Grand County, Trout Unlimited, and the Upper Colorado River Alliance.

Under the 401 permit, the Subdistrict is required to monitor specifically for stream temperature, key nutrients, and aquatic life and submit results with an annual report that identifies any evidence of impairment (standards not met). If impairment is identified, the Subdistrict has to investigate to determine whether WGFP is causing or contributing to the impairment. If WGFP is found to play a role, then the Subdistrict is required to come up with a plan to solve the problem, consistent with state water quality laws.

“This long-term monitoring and flexibility of response is called ‘adaptive management’—and it’s a critical feature of the permit requirements,” said Whiting. “Adaptive management recognizes that stakeholders can’t foresee every problem, and it provides a process for ongoing monitoring and mitigation of river problems as they arise.”

TU noted that the permit builds on years of hard work, negotiations and collaboration. “We wouldn’t be at this point without the leadership of Grand County and their persistent efforts to improve the health of the Colorado River,” said Kirk Klancke, president of TU’s Colorado River Headwaters chapter. “And the Northern subdistrict also deserves credit for listening to our concerns and working with all stakeholders to find solutions.”

“This permit is another step toward fulfilling the Windy Gap Firming Project’s potential to be part of a balanced water supply strategy for Colorado’s Front Range,” said Drew Peternell, director of TU’s Colorado Water and Habitat Project. “Through a balanced portfolio—including responsible supply projects like WGFP, along with stronger conservation and reuse programs and ag-urban water-sharing—Colorado can meet its diverse water needs, from municipal needs to recreation, while keeping our rivers healthy.”

Under Section 401 of the federal Clean Water Act, the state of Colorado must provide the U.S. Army Corps of Engineers with a permit certifying that the project will comply with federal water quality standards. The remaining regulatory hurdle for the Windy Gap Firming Project is the final 404 wetlands permit by the Army Corps of Engineers, which the Corps could issue in 2016.

Issuance of all permits for the project will release resources, including money needed for the design and construction of the Windy Gap Reservoir Bypass to create a new river channel and reconnect the river and its fisheries upstream and downstream of the reservoir.

“It’s been a long and arduous process,” said Whiting of the WGFP permitting process, which has taken over 10 years. “It is time to roll up our sleeves and go to work for the river.”

--30--

Trout Unlimited is the nation’s largest coldwater conservation organization, with 147,000 members dedicated to conserving, protecting, and restoring North America’s trout and salmon fisheries and their watersheds. Colorado Trout Unlimited has more than 10,000 grassroots members across the state.

Tribune opinion: Proposed reservoir a good deal for member municipalities

April 26, 2016

The Chimney Hollow Reservoir, part of the Windy Gap Firming Project, is one big step closer to becoming a reality.

The reservoir, which would be built southwest of Loveland, would store water for 13 different entities, including Greeley, Evans, Fort Lupton and the Central Weld County Water District.

We can certainly appreciate that water storage alone isn't the solution to all future water woes. Smart water usage and water conservation are going to be big keys to a healthy future when it comes to water issues in Northern Colorado.

But keeping Colorado's water in Colorado during the good years will only help during the dry years. And it would seem, when it comes to water storage, this is one of the most widely supported efforts in recent history.

The project received an endorsement from the state of Colorado. It's the first time a water project has received such an endorsement.

"Northern Water and its many project partners have worked diligently, transparently and exhaustively in a collaborative public process that could stand as a model for a project of this nature," Gov. John Hickenlooper said in a statement regarding the project.

Once the reservoir is completed, Greeley is in line to receive 4,400 acre-feet of water every year, or more than 1.4 billion gallons.

— The Tribune Editorial Board

State backs Windy Gap water storage project



[Kevin Duggan](#), kevinduggan@coloradoan.com 12:48 a.m. MDT April 14, 2016



The site of the proposed Chimney Hollow Reservoir project is just west of Carter Lake near Loveland. (Photo: Coloradoan library)

Colorado officials endorsed a long-sought water storage project that would include construction of Chimney Hollow Reservoir southwest of Loveland.

Gov. John Hickenlooper on Wednesday voiced his support for the Windy Gap Firming Project, which would divert water from the Western Slope to the Front Range to shore up supplies for municipalities and farmers.

Operational plans for the project proposed by the Northern Colorado Water Conservancy District, or Northern Water, include protective measures for fish and waterways on the Western Slope, according to a press release from the governor's office.

"Northern Water and its many project partners have worked diligently, transparently and exhaustively in a collaborative public process that could stand as a model for a project of this

nature," Hickenlooper stated in the release. "This is precisely the kind of cooperative effort envisioned for a project to earn a state endorsement in Colorado's Water Plan."

WATER: Rain barrels could soon be legal in Colorado

Participants in the water-storage project include Loveland, Longmont, Greeley, Broomfield, Platte River Power Authority and two water districts.

The project recently received a key water quality certification from the Colorado Department of Public Health and Environment. The certification is needed to receive a final permit from the U.S. Army Corps of Engineers to build the project.

A decision from the Corps on its Section 404 wetland permit is expected later this year, said Brian Werner, spokesperson for Northern Water.

If the expected permits come through, final design on Chimney Hollow Reservoir would begin later this year with construction beginning in 2018-19, Werner said.

Chimney Hollow Reservoir would hold up to 90,000 acre feet of water. An acre foot is enough water to meet the annual needs of three to four urban households.

Larimer County would build and operate recreational facilities at the reservoir, which would be built west of Carter Lake. Carter Lake holds up to 112,000 acre feet of water.

NEWS: Halligan Reservoir project EIS delayed to 2017

The Windy Gap Firming Project has been under federal, state and local review since 2003. It has been challenged by environmentalists over the years because of its impact on the Colorado River's ecosystem through increased water diversions.

In a recent email to the Coloradoan, the group Save the Colorado stated it would scrutinize the 404 permit decision from the Corps to ensure the project adheres to the National Environmental Policy Act, the Clean Water Act and the Endangered Species Act.

Supporters say the Windy Gap Firming includes measures that would mitigate its environmental impacts and protect fish, streams and water quality in Grand Lake and the Colorado River.

Kevin Duggan is a Coloradoan senior reporter covering local government. Follow him on Twitter, @coloradoan_dugg, and on Facebook at Coloradoan Kevin Duggan.

Hickenlooper endorses Chimney Hollow

Proposed reservoir west of Loveland needs just one more permit; it could start filling in 2021

By Pamela Johnson

Reporter-Herald Staff Writer

POSTED: 04/13/2016 01:16:28 PM MDT



The future site of Chimney Hollow Reservoir, in the valley above Flat Iron Reservoir, pictured in the foreground, received official endorsement today from Colorado Gov. John Hickenlooper. Construction could begin in 2018. (*Jeff Dahlstrom / Special to the Loveland Reporter-Herald*)

Chimney Hollow Reservoir, which will solidify water supplies for 13 providers including Loveland, Longmont and the Little Thompson Water District, is one permit closer to construction and is officially endorsed by Gov. John Hickenlooper.

John Stulp, water adviser to the governor, read a letter from Hickenlooper officially endorsing the project during Northern Water's spring water users meeting Wednesday. This is the first time Hickenlooper has issued an official endorsement for a water project during his terms in office, according to Stulp.

"With fixed attention to this final regulatory step, we will ensure that the project moves forward in a timely manner," Hickenlooper wrote in his letter.

Northern Water began the planning and permitting process for Chimney Hollow Reservoir west of Loveland in 2003 to store Windy Gap water that will be pulled from the Colorado River in wet years.

Thirteen years, \$15 million in permitting costs and a bunch of studies and permits later, the project needs just one more approval, a wetlands permit from the U.S. Army Corps of Engineers.

A recent water quality certification from the Colorado Department of Public Health and Environment was the last step before the final federal permit.

With state agencies signed off on the project and nearly every permit in place, Hickenlooper has officially endorsed the project and offered state support to the final wetlands permit, which officials hope will come this year.

This is the piece that will detail what steps Northern Water will take to replace any wetlands that are destroyed by the reservoir.

"There's less than 2 acres of wetlands along narrow stream channels," project manager Jeff Drager said previously. "Our plan right now is to buy into a wetland bank. There are properties that restore or maintain wetlands (in lieu of those lost)."

Initial design of the reservoir has begun, and that process will kick into higher gear this year. A design firm should be chosen in coming months.

Construction of the \$400 million project is expected to begin in 2018, and water could flow into the new reservoir as early as 2021.

The 90,000-acre-foot reservoir will provide a place to store Windy Gap water during wet years to provide a stable supply for the 13 participants in the project — Loveland, Little Thompson Water District, Louisville, Broomfield, Fort Lupton, Evans, Central Weld County Water District, Superior, Lafayette, Longmont, Greeley, Erie and Platte River Power Authority.

The water is pulled from the Colorado River and will be transported to Chimney Hollow, which will be located near Carter Lake, through the existing Colorado-Big Thompson system, which also is administered by Northern Water.

As part of the project, Northern Water will provide some funding to alter the existing Windy Gap Reservoir on the Western Slope to include a new channel that will enhance water flow and provide a path for fish migration to improve habitat, said Drager.

"We will be able to build this project and meet our water supply needs as well as improve water quality on the West Slope and in the Colorado River," he said.

"We'll build our project, but we'll actually leave the river better than it was before."

When Chimney Hollow is complete, Larimer County Department of Natural Resources will manage recreation on the reservoir and on a surrounding open space. Details on what will be available are not yet firm; however, initial plans call for hiking, nonmotorized boating and camping.

*Pamela Johnson: 970-669-5050, ext. 526, johnsonp@reporter-herald.com,
www.twitter.com/RHPamelaJ.*

Hickenlooper endorses major northern Colorado water project

Apr 13, 2016, 2:58pm MDT Updated Apr 13, 2016, 3:05pm MDT

A \$400 million project designed to bolster water supplies for communities on Colorado's fast-growing northern Front Range has received the formal endorsement of Gov. [John Hickenlooper](#), a crucial step in the planning process that's stretched over 13 years.

"Northern Water and its many project partners have worked diligently, transparently and exhaustively in a collaborative public process that could stand as a model for a project of this nature," Hickenlooper said in a statement announcing his endorsement.

"This is precisely the kind of cooperative effort envisioned for a project to earn a state endorsement in Colorado's Water Plan," he said.

The project — formally called the Windy Gap Firming Project — calls for the construction of a new reservoir, called Chimney Hollow Reservoir southwest of Loveland. The reservoir will be designed to hold up to 90,000 acre feet of water, and reliably deliver about 30,000 acre feet of water every year, enough to support the needs of 60,000 families of four people.

It's an expansion of the existing Windy Gap system built in the 1980s to divert water from the Colorado River to the Front Range. But the construction of a new reservoir is crucial, said [Brian Werner](#), a spokesman for the Northern Colorado Water Conservancy District, the lead agency on the project.

Because of the Windy Gap project's relatively junior water rights, water cannot be diverted in years when the snow pack is low. And during wet years, there's not enough storage space in Lake Granby to store the Windy Gap water, which means it runs down the river.

"Windy Gap right now doesn't have any firm yield," Werner said, meaning that the system can't be counted on to have water available for customers every single year.

"In wet years there's no where to put it [the water], and in dry years there's nothing to pump," Werner said.

About 500,000 people live in the water districts that would be served by the Windy Gap Firming Project, including Broomfield, Lafayette, Louisville, Loveland, Erie and Evans. To date, the cost of planning and permitting the project has risen to \$15 million, according to the Northern Colorado Water Conservancy District.

And with population numbers expected to jump in coming years, this project and others will be needed to ensure there's enough water for the communities to grow, Werner said.

The project's leaders have worked on agreements to mitigate environmental impacts to protect fish, ensure stream protection and reduce water quality impacts to Grand Lake and the Colorado River.

Last month, the Colorado Department of Public Health and Environment this week released its final "401 water quality certification," meaning that the state had signed off on the plans to mitigate the environmental impact of the project on the Upper Colorado River.

Trout Unlimited, said the conditions imposed by the state health department put the "threatened river and fishery on road to recovery.

"We firmly believe these permit conditions establish a strong health insurance policy for the Upper Colorado River," said Mely Whiting, counsel for Trout Unlimited, in a statement.

The last hurdle is a "Section 404 Permit" from the U.S. Army Corps of Engineers, which would signal that agency's approval of the mitigation efforts, Werner said.

Cathy Proctor covers energy, the environment and transportation for the Denver Business Journal and edits the weekly "Energy Inc." newsletter. Phone: 303-803-9233. [Subscribe to the Energy Inc. newsletter](#)

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ROCKIES 10, GIANTS 6: Watch highlights of last night's Rockies win over the Giants! ([Watch Video](#))

Gov. Hickenlooper Endorses Proposed Reservoir Southwest Of Loveland

April 13, 2016 3:26 PM

Filed Under: [Chimney Hollow Reservoir](#), [Colorado River](#), [Granby](#), [John Hickenlooper](#), [Loveland](#), [Windy Gap Reservoir](#)

DENVER (AP) – Gov. John Hickenlooper has endorsed a [planned](#) \$400 million reservoir southwest of Loveland.

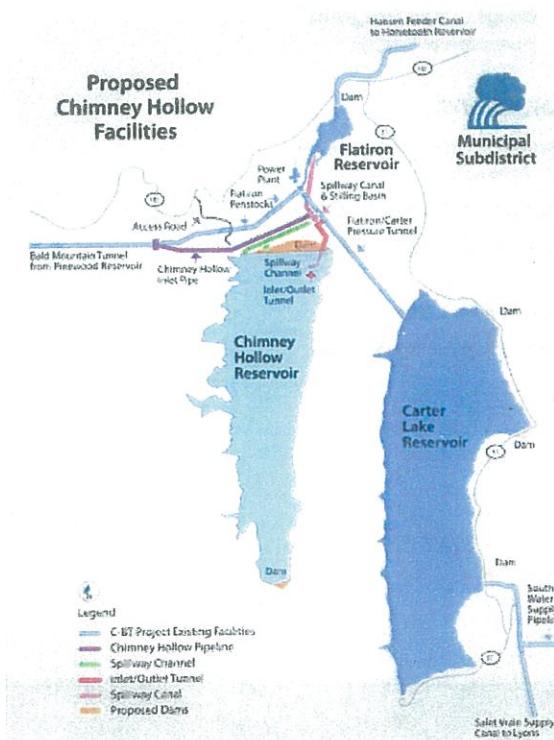
Hickenlooper said Wednesday the [Chimney Hollow Reservoir](#) would help ensure reliable water [supplies](#) for Front Range cities while taking steps to minimize environmental damage in western Colorado, where the water originates.

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13



(credit: northernwater.org)

Hickenlooper has argued the state needs more reservoirs to store water during wet years so it can be used in dry years.



PROMOTED STORIES Recommended by

8 Automobiles That Are
Forbidden Fruit in America
The Cheat Sheet

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to a Whole New Level
mom.me

Chimney Hollow has state approval and Hickenlooper's endorsement wasn't required. The project is awaiting a federal permit.

Water for the reservoir would be pumped from the [Windy Gap Reservoir](#) on the Colorado River near Granby, west of the Continental Divide, through an existing tunnel to the east side of the divide.

Thirteen Front Range water providers that already own the water rights would [pay](#) for the reservoir.

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ENVIRONMENT

Hickenlooper backs Windy Gap water, orders final permit push

Northern Water's controversial \$400 million Windy Gap project would siphon more water from the Colorado River to Front Range

By Bruce Finley
The Denver Post
 The Denver Post

Posted: Wed Apr 13 17:27:05 MDT 2016

Gov. John Hickenlooper on Wednesday weighed in formally backing the long-delayed and controversial **\$400 million Windy Gap project** to divert more water from the Colorado River to the booming Front Range.

Hickenlooper ordered state officials to work with the U.S. Army Corps of Engineers to obtain a final federal wetlands permit needed for work to begin. His endorsement is expected to aid that effort.

Northern Water would expand its existing river diversion system built in 1985 by installing a new reservoir southwest of Loveland to hold diverted Colorado River water. That 29 billion-gallon Chimney Hollow Reservoir would supply farmers and growing cities.

"This is the first time he has endorsed this project. We were certainly hoping for it. We were pleasantly surprised," Northern Water spokesman Brian Werner said.

"This means that construction, starting in 2019, is a reality."

Northern Water has been planning the project, working with state and federal officials on permits, since 2003. A mitigation plan, approved by Colorado Parks and Wildlife and the Colorado Water Conservation Board, lays out measures to protect fish and off-set environmental harm including altered river flows.

Colorado Department of Public Health and Environment officials, responsible for ensuring water quality, signed off on March 25.

"Northern Water and its many project partners have worked diligently, transparently and exhaustively in a collaborative public process that could stand as a model for a

project of this nature," Hickenlooper said. "This is precisely the kind of cooperative effort envisioned for a project to earn a state endorsement in Colorado's Water Plan."

Front Range users would siphon additional west-flowing water — up to 8.4 billion gallons a year — out of the Colorado River and pump it back eastward under the Continental Divide. That water, stored in the new reservoir, is expected to meet needs of 500,000 residents around Broomfield, Longmont, Loveland and Greeley.

Environment groups on Wednesday reacted with fury.

"This project will further drain and destroy the Colorado River and imperil endangered fish," said Gary Wockner, director of Save the Colorado River. "We've registered 23 complaints with the Army Corps of Engineers. The federal government should deny the permit. This project is reckless."

Bruce Finley: 303-954-1700, bfinley@denverpost.com or @finleybruce

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Governor Endorses Water Project Aligned with CO Water Plan *Chimney Hollow Reservoir Close to Reality*

The State of Colorado has officially endorsed the Windy Gap Firming Project and Chimney Hollow Reservoir.

John Stulp, Governor John Hickenlooper's Water Policy Advisor, made the announcement at Northern Water's Spring Water Users meeting in Loveland. Reading a letter signed by Gov. Hickenlooper, Stulp told the 200 attendees that this is the state of Colorado's first endorsement of a water project under the Colorado Water Plan, which was finalized last November.

"Further, the WGFP aligns with the key elements of the Colorado Water Plan..." Hickenlooper wrote.

Hickenlooper continued, "Northern Water and its many project partners have worked diligently, transparently and exhaustively in a collaborative public process that could stand as a model for assessing, reviewing and developing a project of this nature."

Northern Water's Municipal Subdistrict President Dennis Yanchunas spoke for the project's participants in saying, "It's really exciting to have that endorsement, the first ever by the state."

Colorado's endorsement came on the heels of state water quality certification in late March.

The Colorado Department of Public Health and Environment issued its 401 water quality certification for the Windy Gap Firming Project on March 25, bringing the project permitting process nearer to completion.

"This is the next to the last step in getting the project permitted," said Project Manager Jeff Drager. "The final step is the federal 404 wetlands permit from the U.S. Army Corps of Engineers, which we believe will be forthcoming in the next few months."

The state's endorsement of the WGFP culminates 13 years of diligent effort and lengthy negotiations to permit and authorize a project that will assure a reliable water supply for more than 500,000 northern Front Range residents.

The federal permitting process began in 2003 under the National Environmental Policy Act. The U.S. Bureau of Reclamation served as the lead federal agency and issued a

final Environmental Impact Statement in 2011 and a Record of Decision in 2014 for Chimney Hollow Reservoir.

In addition, the Colorado Parks and Wildlife Commission and Colorado Water Conservation Board approved a fish and wildlife mitigation plan in 2011. The following year the Grand County Commissioners issued a 1041 permit and reached an agreement with Northern Water's Municipal Subdistrict on a mitigation and enhancement package.

A wide variety of organizations, including Trout Unlimited, support the CDPHE's long-awaited ruling.

"This permit is another step toward fulfilling the Windy Gap Firming Project's potential to be part of a balanced water supply strategy for Colorado Front Range," said Drew Peternell, director of TU's Colorado Water and Habitat Project.

"Through a balanced portfolio – including responsible supply projects like WGFP – along with stronger conservation and reuse programs and ag-urban water sharing – Colorado can meet its diverse water needs..." Peternell added.

The Windy Gap Firming Project is a collaboration of 12 Northern Front Range water providers and the Platte River Power Authority to improve the reliability of their Windy Gap water supplies.

Windy Gap began delivering

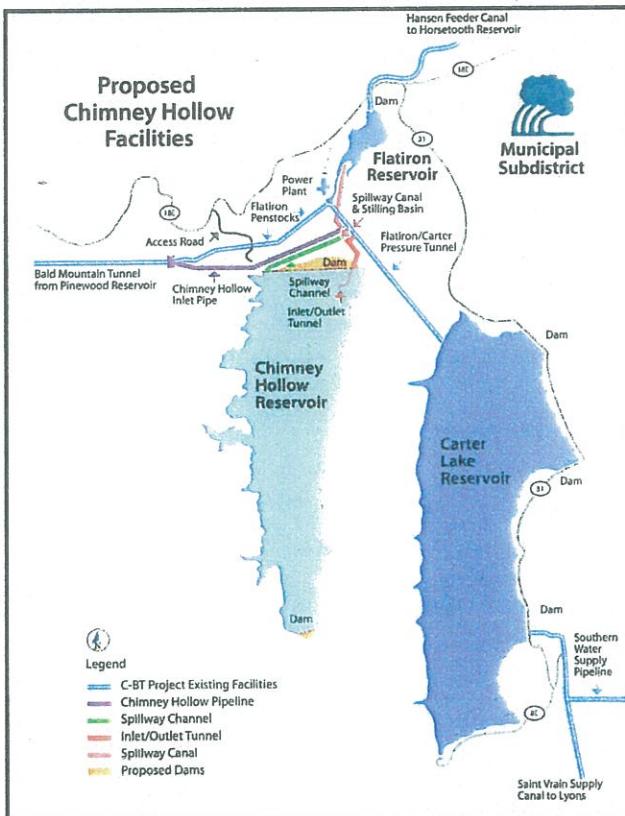
water in 1985.

The participants include 10 municipalities: Broomfield, Erie, Evans, Fort Lupton, Greeley, Lafayette, Longmont, Louisville, Loveland and Superior; two water districts: Central Weld County and Little Thompson; and one power provider: Platte River. They currently provide water to 500,000 people.

The current cost estimate for WGFP is \$400 million. To date the participants have spent \$15 million on associated permitting costs.

Chimney Hollow Reservoir will store 90,000 acre-feet of water and will be located just west of Carter Lake Reservoir in southern Larimer County.

"After 13 years, it is nice to see a light at the end of the tunnel that is not a train headed the other way," said Mike Applegate, Northern Water's president of the board. "I want to thank the Family Farm Alliance for all the support it has given Northern through the years." *Source: Northern Water.*



Attachment E

Northern Water

Conservation Gardens Fair

Saturday, May 21 (rain or shine)
FREE • 9:30 a.m. to 2 p.m. • 220 Water Ave., Berthoud

Seminars • Conservation Gardens tours • Expert advice
Latest technology & more

First 400 receive a Plant Select perennial!

Spin the prize wheel for a free gift

Limited free sub sandwiches available between 11:30 a.m. to 1 p.m.

How-to Seminars

(Descriptions on page 2)

- Plan, Don't Plunk – Landscape Design 101
- Soils in your landscape
- Top trees for Colorado landscapes
- How to save water around your home and community
- Pruning 101
- Simple ways to reduce turf water use
- Xeriscape

Guided tours of Conservation Gardens at Northern Water

Half-hour tours beginning at:

10:15, 11:00, Noon, and 1:00

- Plant Select showcase demonstration garden

Vendors in parking lot

- Ace Hardware
- High Plains Environmental Center



Fun stuff for kids

- Passport
- Children's potting bench
- Touch-a-Truck
- Rain maker target shoot
- Mystery faucet
- Children's prizes

Information and Resources

- Associated Landscape Contractors of Colorado
- City of Fort Collins Utilities
- Colorado Master Gardener Program
- Colorado State University Extension
- Colorado Vista Landscape Design
- High Plains Environmental Learning Center
- HydroPoint
- L.L. Johnson
- Loveland Water & Power
- Plant Select



Visit www.northernwater.org Click Conservation Gardens Fair May 21 in What's New at top of home page. 800-369-7246

HOW-TO SEMINARS

INDOOR SEMINARS (Building C)

10 - 10:40 a.m. PLAN, DON'T PLUNK! - LANDSCAPE DESIGN 101

Deryn Davidson - Horticulture Agent, CSU Extension - Boulder County

- Nuts and bolts of how to create an aesthetically pleasing design
- How to incorporate water saving strategies

10:45 - 11:25 a.m. Soils and Water in your Landscape

Mary Hattendorf, Ph.D., CLIA - Water Management Conservation Specialist with Northern Water

- Soil types
- How water moves in different soils
- Irrigating for plant health and water conservation

12:30 - 1:10 p.m. TOP TREES FOR COLORADO LANDSCAPES

Alison O'Connor - Horticulture Agent, CSU Extension - Larimer County

- Review concept for properly planting a tree
- Recommendations for small, medium and large trees

1:15 - 1:55 p.m. MEETING THE GAP WITH CONSERVATION: HOW TO SAVE COLORADO'S WATER AROUND YOUR HOME AND IN YOUR COMMUNITY

Morgan Shimabuku - Senior Manager, Sustainability Programs with Center For ReSource Conservation

- How to help Colorado meet it's water gap while saving money on your water bill
- Easy, do-it-yourself opportunities for saving water at home and in your community

OUTDOOR SEMINARS (Conservation Gardens)

10:45 - 11:25 a.m. PRUNING 101

Nada Fisher, CLT, Master Gardener - Grounds Gardener with Northern Water

- Best management practices for pruning shrubs and trees
- Structural pruning: Guiding growth and shaping the plant as wanted and storm damage and repair pruning

12:30 - 1:10 p.m. Simple Ways to Reduce Turf Water Use

Chad Kuhnel, CLIA, CIT - Landscape Water Management/Conservation Technician with Northern Water

- Application rate and intake rate
- Hands on look at:
 - Water saving sprinkler system components
 - Different types of nozzles
 - Changing/adjusting sprinkler heads/nozzles

1:15- 1:55 p.m. Xeriscape

Ron Boyd, CLIA, CID, CIT, LICT - Landscape Management Specialist with Northern Water

- The seven components of a xeriscape, and how they work together
- Building, renovating and maintaining a xeriscape
- Efficient water in a xeriscape



AGENDA ITEM: 11

MEETING DATE: 5/18/2016

SUBMITTED BY: Kim O'Field, Technical Specialist

AB for KO

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:

Please see Attachment A for the legislative tracking sheet of current state bills from CAMU.

State Update:

Some recent activity and key state legislation affecting electric utilities are:

Clarifying State Sales Tax – Though sales of gas and electricity to residential customers has been exempt from state sales and use taxes since 1980, a recent dispute arose between the Department of Revenue (DOR) and the Rural Electric Association over the tax treatment of multi-family and rental units. In an effort to align the letter of the law with the current practice, HB16-145 was introduced. CAMU joined Colorado's other electric utilities, including Rural Electric Associations (REAs) and Investor-Owned Utilities (IOUs) to run this bill to clarify that the state sales tax exemption for residential sales applies to all charges billed under a residential tariff. Beyond simply clarifying the treatment of residential accounts, the bill stipulates that a utility may rely on its own rate assumption when providing information to the DOR or when facing a DOR audit. This new provision is helpful in instances where we have residential properties convert to commercial uses (such as homes turned into a daycare or a bed and breakfast), in that we will not be held responsible for back-due sales and use tax collections on such accounts. CAMU worked closely with the utility coalition to get this successfully through both the House and Senate.

Federal Update:

Energy Policy Modernization Act of 2015 – Please see Attachment B for a copy of the APPA Article – *Senate Passes Comprehensive Energy Measure*.

On April 20, 2016 the Senate passed the Energy Policy and Modernization Act of 2015 by a margin of 85-12. This measure will now need to be reconciled with an energy bill that was

passed by the House last year. The Energy Policy and Modernization Act of 2015 was supported by the American Public Power Association (APPA). The top issues addressed in the bill include:

- reliability,
- hydropower licensing reform,
- energy efficiency,
- emerging utility workforce challenges,
- and expedited natural gas pipeline permitting.

Municipal Sales Tax Exemption – The number one federal issue related to electric legislation is to preserve the tax exemption for local governments and APPA and CAMU will be staying diligent on this topic at the federal level.

RECOMMENDATION:

Information item only. No action required.

REVIEWED BY DIRECTOR:

AB for SA

ATTACHMENTS:

- **Attachment A:** CAMU Legislative Tracking Sheet
- **Attachment B:** APPA Article - *Senate Passes Comprehensive Energy Measure*

Attachment A



Colorado Association of Municipal Utilities 2016 State Legislative Tracking Sheet

HB16-1004
Measurable Goals Deadlines CO Climate Action Plan

Comment:
Position: **Monitor**
Short Title: Measurable Goals Deadlines CO Climate Action Plan

Summary: The bill requires:

- * The state climate action plan to include specific measurable goals, the achievement of which will either reduce Colorado's greenhouse gas emissions or increase Colorado's adaptive capability to respond to climate change, along with associated near-term, mid-term, and long-term deadlines to achieve the goals; and
- * The annual climate report to the general assembly to include an analysis of the progress made in meeting the measurable goals and deadlines specified in the plan.

Status:

01/13/2016 Introduced In House - Assigned to Health, Insurance, & Environment
 02/04/2016 House Committee on Health, Insurance, & Environment Refer Amended to House Committee of the Whole
 02/08/2016 House Second Reading Passed with Amendments - Committee, Floor
 02/09/2016 House Third Reading Passed - No Amendments
 03/04/2016 Introduced In Senate - Assigned to Agriculture, Natural Resources, & Energy
 03/24/2016 Senate Committee on Agriculture, Natural Resources, & Energy Witness Testimony and/or Committee Discussion Only
 03/30/2016 Senate Committee on Agriculture, Natural Resources, & Energy Postpone Indefinitely

HB16-1035
PUC Approval Of Securities Only For Gas & Electric

Comment:
Position: **Monitor**
Short Title: PUC Approval Of Securities Only For Gas & Electric

Summary: The bill specifies that the statute requiring advance approval by the public utilities commission for the issuance of securities to fund property acquisitions, facilities,

repairs, and other expenditures applies only to electric and gas utilities.

Status:

01/13/2016 00:10 Introduced In House - Assigned to State, Veterans, & Military Affairs
 01/13/2016 Introduced In House - Assigned to State, Veterans, & Military Affairs
 02/22/2016 House Committee on State, Veterans, & Military Affairs Witness Testimony and/or Committee Discussion Only
 02/29/2016 House Committee on State, Veterans, & Military Affairs Refer Unamended to House Committee of the Whole
 03/02/2016 House Second Reading Passed - No Amendments
 03/04/2016 House Third Reading Laid Over to 03/08/2016 - No Amendments
 03/08/2016 House Third Reading Passed - No Amendments
 03/09/2016 Introduced In Senate - Assigned to State, Veterans, & Military Affairs
 03/30/2016 Senate Committee on State, Veterans, & Military Affairs Refer Unamended - Consent Calendar to Senate Committee of the Whole
 04/04/2016 Senate Second Reading Passed - No Amendments
 04/05/2016 Senate Third Reading Passed - No Amendments
 04/14/2016 Signed by the Speaker of the House
 04/15/2016 Signed by the President of the Senate
 04/15/2016 Sent to the Governor
 04/21/2016 Governor Signed

HB16-1073

Electrical Industry Safety And Training Act

Comment:

Position:

Monitor

Short Title:

Electrical Industry Safety And Training Act

Summary:

Under current law, an applicant seeking renewal of a license to be a journeyman electrician, a master electrician, or a residential wireman must demonstrate competency through an assessment performed by a private company in compliance with state electrical board (board) rules. Section 1 of the bill modifies the competency requirement by requiring an applicant seeking renewal or reinstatement of his or her license to complete 24 hours of continuing education during each cycle of his or her license in compliance with board rules. The continuing education requirements established by the board must include course work related to the National Electrical Code, including core competencies as determined by the board. Section 2 requires that each inspection performed by an incorporated town or city, a county, a city and county, or a qualified state institution of higher education include a contemporaneous review to ensure compliance with electrician licensure and inspection requirements. Each incorporated town or city, county, city and county, or qualified state institution of higher education conducting inspections is required to develop standard procedures to advise its inspectors how to conduct a contemporaneous review and to post its current procedures on its web site.

Status:

01/13/2016 00:10 Introduced In House - Assigned to Business Affairs and Labor
 01/13/2016 Introduced In House - Assigned to Business Affairs and Labor
 01/26/2016 House Committee on Business Affairs and Labor Refer Amended to House Committee of the Whole
 02/03/2016 House Second Reading Passed with Amendments - Committee, Floor
 02/04/2016 House Third Reading Passed - No Amendments
 02/05/2016 Introduced In Senate - Assigned to Business, Labor, & Technology
 03/21/2016 Senate Committee on Business, Labor, & Technology Refer Unamended -

Consent Calendar to Senate Committee of the Whole
 03/24/2016 Senate Second Reading Passed - No Amendments
 03/28/2016 Senate Third Reading Passed - No Amendments
 04/01/2016 Signed by the Speaker of the House
 04/04/2016 Signed by the President of the Senate
 04/05/2016 Sent to the Governor
 04/15/2016 Governor Signed

HB16-1091**Change Due Dates For Elec Util Transmission Plans****Comment:****Position:****Monitor****Short Title:**

Change Due Dates For Elec Util Transmission Plans

Summary:

Legislation adopted in 2007 required rate-regulated electric utilities to conduct biennial reviews, on or before October 31 of each odd-numbered year, in which the utilities developed plans for transmitting electricity from geographic areas in which energy resources were likely to be available to where the electricity would be needed. The bill preserves the requirement for biennial review but changes the due date for those reviews from October 31 to another date determined by the Colorado public utilities commission. The bill also deletes existing requirements that:

- * Reviews be simultaneously conducted by the Colorado public utilities commission; and
- * The commission issue an order approving or rejecting an application for a certificate of public convenience and necessity for construction or expansion of transmission facilities within 180 days.

Status:

01/19/2016 Introduced In House - Assigned to Transportation & Energy
 02/03/2016 House Committee on Transportation & Energy Refer Unamended to House Committee of the Whole
 02/08/2016 House Second Reading Passed - No Amendments
 02/09/2016 House Third Reading Passed - No Amendments
 02/16/2016 Introduced In Senate - Assigned to Agriculture, Natural Resources, & Energy
 03/03/2016 Senate Committee on Agriculture, Natural Resources, & Energy Refer Unamended - Consent Calendar to Senate Committee of the Whole
 03/07/2016 Senate Second Reading Passed - No Amendments
 03/08/2016 Senate Third Reading Passed - No Amendments
 03/11/2016 Signed by the Speaker of the House
 03/15/2016 Signed by the President of the Senate
 03/15/2016 Sent to the Governor
 03/23/2016 Governor Signed

HB16-1182**Sunset Commodity Metals Theft Task Force****Comment:****Position:****Support****Short Title:**

Sunset Commodity Metals Theft Task Force

Summary:

Sunset Process - House Judiciary Committee. The bill extends the repeal of the

commodity metals theft task force to September 1, 2025.

Status:

02/02/2016 Introduced In House - Assigned to Business Affairs and Labor
 02/23/2016 House Committee on Business Affairs and Labor Refer Amended to House Committee of the Whole
 02/25/2016 House Second Reading Passed with Amendments - Committee
 02/26/2016 House Third Reading Passed - No Amendments
 03/09/2016 Introduced In Senate - Assigned to Judiciary
 03/21/2016 Senate Committee on Judiciary Refer Unamended - Consent Calendar to Senate Committee of the Whole
 03/24/2016 Senate Second Reading Passed - No Amendments
 03/28/2016 Senate Third Reading Passed - No Amendments
 04/04/2016 Signed by the President of the Senate
 04/04/2016 Signed by the Speaker of the House
 04/05/2016 Sent to the Governor
 04/12/2016 Governor Signed

HB16-1208**Create Data Privacy Subcommittee**

Comment:

Position: **Monitor**

Short Title: Create Data Privacy Subcommittee

Summary: The bill creates within the joint technology committee a subcommittee on data privacy and cyber-security (subcommittee) to consider:
 * Whether state governmental agencies are collecting or retaining data that exceed what is necessary and appropriate for such agencies to perform their functions;
 * Who has access to such data, the extent of such access, and appropriate measures to protect sensitive data; and
 * Measures to protect such data against unauthorized access, disclosure, use, modification, or destruction. The subcommittee shall submit its findings to the joint technology committee and to the general assembly, by January 1, 2018. The subcommittee is repealed, effective July 1, 2018.

Status: 02/04/2016 Introduced In House - Assigned to State, Veterans, & Military Affairs
 03/21/2016 House Committee on State, Veterans, & Military Affairs Postpone Indefinitely

HB16-1346**Open Records Subject To Inspection Denial**

Comment:

Position: **Monitor**

Short Title: Open Records Subject To Inspection Denial

Summary: The bill allows a custodian to deny access to confidential personal information records and employee personal e-mail addresses. The provisions of the "Colorado Open Records Act" that relate to civil or administrative investigations and trade secrets and other privileged and confidential information apply to the judicial branch.

Status: 03/09/2016 Introduced In House - Assigned to State, Veterans, & Military Affairs
 04/06/2016 House Committee on State, Veterans, & Military Affairs Postpone

Indefinitely

HB16-1411**Fort Lyon Residential Community Study****Comment:****Position:****Short Title:****Summary:****Monitor**

Fort Lyon Residential Community Study

Joint Budget Committee. In 2013, the general assembly enacted legislation to create a supportive residential community for individuals who are homeless that is operated at the Fort Lyon property (program). The bill repeals the program on July 1, 2019. Prior to the repeal, the bill requires a longitudinal evaluation of the program (study) to be undertaken. The state auditor, with the concurrence of the division of housing in the department of local affairs (division), is required to contract with an independent, 3rd party to conduct the study. The state director of housing is required to appoint 3 members to a Fort Lyon study advisory committee (committee) who are experts in evaluating similar programs. The committee is required to make recommendations about the request for proposals process and the contractor selection process, and along with the division, assist the state auditor in evaluating the contractor's progress on the study. The bill also specifies what the contractor is required to include in the study. The study will include pre- and post-evaluation of the program and, to the extent possible, utilize a matched-comparison group. A contractor may use various program and administrative data sources and comparable studies or reports for the study. The final report is due by August 1, 2018, and the contractor will also prepare a preliminary report. The division is authorized to solicit, accept, and expend gifts, grants, and donations for the study, and the state auditor may use this money to pay the contractor.

Status:

03/28/2016 Introduced In House - Assigned to Appropriations

03/29/2016 House Committee on Appropriations Refer Amended to House Committee of the Whole

03/31/2016 House Second Reading Passed with Amendments - Committee

04/01/2016 House Third Reading Passed - No Amendments

04/01/2016 Introduced In Senate - Assigned to Appropriations

04/04/2016 Senate Committee on Appropriations Refer Amended to Senate Committee of the Whole

04/06/2016 Senate Second Reading Passed with Amendments - Committee

04/07/2016 Senate Third Reading Passed with Amendments - Floor

04/11/2016 House Considered Senate Amendments - Result was to Concur - Repass

04/22/2016 Signed by the Speaker of the House

04/25/2016 Signed by the President of the Senate

04/25/2016 Sent to the Governor

05/04/2016 Governor Signed

HB16-1441**PUC Consider Full Cost Carbon For Elec Generation****Comment:****Position:****Monitor****Short Title:**

PUC Consider Full Cost Carbon For Elec Generation

Summary:

The bill requires the public utilities commission (commission) to consider the

following costs of greenhouse gas emissions when considering a utility's proposal for electric resource planning:

- * The likelihood of new environmental regulations concerning greenhouse gas emissions; and
- * The present and future costs associated with the emission of greenhouse gases such as carbon dioxide and methane based on the cost per ton of greenhouse gas emissions. The commission shall determine the costs annually based on a review of the most appropriate national and regional carbon markets for Colorado.

Status:

- 04/15/2016 Introduced In House - Assigned to Transportation & Energy
- 04/27/2016 House Committee on Transportation & Energy Refer Unamended to Appropriations
- 05/03/2016 House Committee on Appropriations Refer Amended to House Committee of the Whole
- 05/03/2016 House Second Reading Special Order - Passed with Amendments - Committee
- 05/04/2016 House Third Reading Passed - No Amendments
- 05/04/2016 Introduced In Senate - Assigned to State, Veterans, & Military Affairs
- 05/05/2016 Senate Committee on State, Veterans, & Military Affairs Postpone Indefinitely

HB16-1453**Colorado Cybersecurity Initiative**

Comment:**Position:** **Monitor****Short Title:** Colorado Cybersecurity Initiative

Summary: Joint Budget Committee. The Colorado cybersecurity council (council) is created in the department of public safety to operate as a steering group to develop cybersecurity policy guidance for the governor, develop comprehensive goals, requirements, initiatives, and milestones, and to coordinate with the general assembly and the judicial branch regarding cybersecurity. The council is comprised of specified officers from the governor's office, executive branch agencies, military organizations, institutions of higher education, the attorney general's office, and the state auditor's office. The department of public safety may coordinate with specified entities to define the operational requirements for in-state and interstate operational and training networks. The coordinating entities may:

- * Consider establishing memoranda of understanding or interstate compacts with entities that encourage the interstate sharing of information for cybersecurity;
- * Support the requirements for the fusion of cyber defense, cyber surveillance, and international and domestic intelligence and law enforcement operations;
- * Consider network infrastructures for interstate cyber training and operations;
- * Support secure Colorado requirements to identify threats and vulnerabilities, defend state cyber infrastructures, and investigate and enforce cyber-related crimes; and
- * Conduct training, inspections, and operational exercises. The university of Colorado at Colorado Springs (UCCS), in partnership with a nonprofit organization that supports national, state, and regional cybersecurity initiatives (nonprofit organization), may establish and expand cyber higher education programs and establish needed cyber education and training laboratories in specified subject areas. UCCS and the nonprofit organization may:
- * Coordinate with the United States department of homeland security and the national security agency to certify cyber courses and curricula;

- * Coordinate planning for cyber education with appropriate institutions of higher education;
- * Identify appropriate curricula for community college and technical certification programs and for elementary and secondary education feeder programs;
- * Establish a public policy think tank as an academic research center of excellence for government, academic, and industrial communications, conferences, research, and publications; and
- * Establish education, training, and academic symposia for government leaders at all levels. UCCS and the nonprofit organization also may establish a secure environment for research and development, initial operational testing and evaluation, and expedited contracting for production for industrial cyber products and techniques and may consider:
 - * Creating a business plan to develop a secure facility on the property of UCCS to allow physical, electronic, proprietary, and administrative security;
 - * Exploring secure facility development and use at other Colorado universities and facilities;
 - * Establishing relationships with appropriate federally funded research and development corporations under the sponsorship of the United States department of defense and the United States department of homeland security;
 - * Consider establishing relationships with certain existing federally funded research and development corporations, or consider creating a new organization to focus on defense and homeland security requirements;
 - * Establishing cooperative relationships with Colorado cyber companies and other businesses, local governments, and other Colorado institutions with requirements for cybersecurity participation;
 - * Establishing cooperative relations with civilian industrial producers; and
 - * Linking to local and national military, homeland security, and intelligence community activities to support research and development, rapid test and evaluation, contracting, and production requirements. The cybersecurity cash fund (fund) is created in the state treasury. The fund consists of any money that the general assembly may appropriate or transfer to the fund. Subject to annual appropriation, the regents of the university of Colorado may expend money from the fund for the purposes of the bill. The cybersecurity gifts, grants, and donations account (account) is created in the fund. The regents of the university of Colorado may seek, accept, and expend gifts, grants, or donations from private or public sources for the purposes of the bill and are required to credit any such gifts, grants, or donations to the account. The moneys in the account are continuously appropriated to the department of higher education for use by the regents of the university of Colorado for the purposes of the bill.

Status:

- 04/22/2016 Introduced In House - Assigned to Appropriations
- 04/26/2016 House Committee on Appropriations Refer Unamended to House Committee of the Whole
- 04/27/2016 House Second Reading Laid Over Daily - No Amendments
- 04/28/2016 House Second Reading Special Order - Passed - No Amendments
- 04/29/2016 House Third Reading Passed - No Amendments
- 04/29/2016 Introduced In Senate - Assigned to Appropriations
- 05/03/2016 Senate Committee on Appropriations Refer Amended to Senate Committee of the Whole
- 05/03/2016 Senate Second Reading Special Order - Passed with Amendments - Committee
- 05/04/2016 Senate Third Reading Passed - No Amendments
- 05/05/2016 House Considered Senate Amendments - Result was to Concur - Repass

HB16-1457**Sales & Use Tax Exemption Residential Energy****Comment:****Position:** **Support****Short Title:**

Sales & Use Tax Exemption Residential Energy

Summary:

The bill codifies the department of revenue's rule regarding the existing sales and use tax exemption for the sale, storage, use, or consumption, for residential use, of electricity, coal, wood, gas, fuel oil, or coke in order to clarify that the sales and use tax exemption applies to residences either billed under a single utility meter or a master utility meter and either charged at a residential, commercial, or other Bush, Moreno, Navarro, Neville P., Nordberg, Pabon, Pettersen, Primavera, Priola, Roupe, Williams nonresidential utility rate, so long as the electricity, coal, wood, gas, fuel oil, or coke is used for powering lights, refrigerators, stoves, water heaters, space heaters, air conditioners, or other domestic items that require power or fuel in a residence. The bill also states, consistent with current practice, that "residential use" is presumed when a utility company charges a residential utility rate.

Status:

04/27/2016 Introduced In House - Assigned to Finance

04/28/2016 House Committee on Finance Refer Unamended to House Committee of the Whole

04/28/2016 House Second Reading Special Order - Passed - No Amendments

04/29/2016 House Third Reading Passed - No Amendments

04/29/2016 Introduced In Senate - Assigned to Finance

05/03/2016 Senate Committee on Finance Refer Amended - Consent Calendar to Senate Committee of the Whole

05/03/2016 Senate Second Reading Special Order - Passed with Amendments - Committee

05/04/2016 Senate Third Reading Passed - No Amendments

05/05/2016 House Considered Senate Amendments - Result was to Concur - Repass

SB16-007**Biomass Renewable Energy Wildfire High Risk Areas****Comment:****Position:** **Monitor****Short Title:**

Biomass Renewable Energy Wildfire High Risk Areas

Summary:

Current law requires a provider of retail electric service in Colorado to generate, or cause to be generated, a certain portion of its retail electric sales from renewable energy resources. The bill creates an incentive for a retail electric service provider to utilize certain biomass to meet the renewable energy requirements. For a period of up to 30 years, a retail electric service provider that generates electricity from a biomass source that uses forest materials located in areas with a high risk of wildfire may count each kilowatt-hour generated as 3 kilowatt-hours for purposes of complying with the renewable energy standard.

Status:

01/13/2016 Introduced In Senate - Assigned to Agriculture, Natural Resources, & Energy

02/11/2016 Senate Committee on Agriculture, Natural Resources, & Energy Refer Amended to Senate Committee of the Whole

02/17/2016 Senate Second Reading Laid Over Daily - No Amendments

02/18/2016 Senate Second Reading Laid Over to 02/23/2016 - No Amendments

02/23/2016 Senate Second Reading Passed with Amendments - Committee, Floor
 02/24/2016 Senate Third Reading Passed - No Amendments
 02/26/2016 Introduced In House - Assigned to Transportation & Energy
 03/09/2016 House Committee on Transportation & Energy Postpone Indefinitely

SB16-037**Public Access Digitally Stored Data Under CORA****Comment:****Position:****Oppose****Short Title:**

Public Access Digitally Stored Data Under CORA

Summary:

The bill makes the following modifications to existing legal requirements under the "Colorado Open Records Act" (CORA) pertaining to the inspection of public records:

* Updates outmoded statutory language used to describe public records kept in miniaturized, electronic, or digital form as a foundation for inspection requirements in connection with such records;

* Deletes existing language requiring the official custodian to take such measures as are necessary to assist the public in locating the specific records sought and to ensure public access to the public records without unreasonable delay or cost. In place of such language, the bill substitutes provisions requiring the official custodian to provide records, or any portion of such records, in any nonproprietary file format and storage medium specified by a records requestor including digital copies of any computer files on any digital storage medium in common usage at the time of the request, via electronic mail, records uploaded to an online storage location shared with the requestor, access through viewing stations for public records kept on microfiche, or, in the discretion of the official custodian, direct electronic access. If requested, the official custodian must provide the records, or any portion of such records, in the same database or other file format in which the records are maintained by the official custodian unless, in the sole discretion of the official custodian, providing the records or any portion of such records, in the same database or other file format in which the records are maintained by the official custodian will result in the public disclosure of confidential or proprietary information of third parties or specialized details of security arrangements or investigations. In such cases, the official custodian is required to export the data into an alternative machine-readable digital format in common usage at the time of the request.

* Requires the official custodian to manipulate electronically or digitally stored data in order to delete any confidential data in response to a records request. Removal of confidential information or data does not trigger certain requirements specified in CORA for the payment of fees for the generation or copy of a public record. However, the official custodian may charge the requestor for the actual cost of the digital storage medium used, if any, and a research and retrieval fee for the time spent removing such information.

Status:

01/13/2016 Introduced In Senate - Assigned to State, Veterans, & Military Affairs
 02/24/2016 Senate Committee on State, Veterans, & Military Affairs Postpone Indefinitely

SB16-038**Transparency Of Community-centered Boards****Comment:**

Position:	Monitor
Short Title:	Transparency Of Community-centered Boards
Summary:	<p>Section 2 of the bill makes all writings made, maintained, or kept by a community-centered board (CCB) that receives more than 75% of its funding on an annual basis from the federal, the state, or a local government or from any combination of such governmental entities subject to public inspection as a "public record" under "Colorado Open Records Act". Section 3 of the bill requires the state auditor, at least once every 5 years or more frequently at the state auditor's discretion, to conduct or cause to be conducted a performance audit of each CCB that receives more than 75% of its funding on an annual basis from federal, state, or local government, or from any combination of such governmental entities, to determine whether such CCB is effectively and efficiently fulfilling its statutory obligations. A CCB becomes subject to the audit requirement when the CCB initially satisfies the 75% funding requirement for any one year regardless of whether or not the funding level decreases below 75% in any subsequent year. Section 3 of the bill further requires the state auditor to submit a written report and recommendations on each audit conducted and to present the report and recommendations to the legislative audit committee. The cost of any performance audit undertaken is imposed on the CCB. Section 2 of the bill also makes each CCB subject to the requirements of the "Colorado Local Government Audit Law".</p>
Status:	<p>01/13/2016 Introduced In Senate - Assigned to State, Veterans, & Military Affairs</p> <p>02/01/2016 Senate Committee on State, Veterans, & Military Affairs Witness Testimony and/or Committee Discussion Only</p> <p>03/30/2016 Senate Committee on State, Veterans, & Military Affairs Refer Amended to Finance</p> <p>04/14/2016 Senate Committee on Finance Refer Unamended - Consent Calendar to Senate Committee of the Whole</p> <p>04/19/2016 Senate Second Reading Passed with Amendments - Committee</p> <p>04/20/2016 Senate Third Reading Passed - No Amendments</p> <p>04/20/2016 Introduced In House - Assigned to Health, Insurance, & Environment</p> <p>05/03/2016 House Committee on Health, Insurance, & Environment Refer Amended to House Committee of the Whole</p> <p>05/03/2016 House Second Reading Special Order - Referred to Appropriations - No Amendments</p> <p>05/04/2016 House Second Reading Special Order - Passed with Amendments - Committee, Floor</p> <p>05/05/2016 House Committee on Appropriations Refer Amended to House Committee of the Whole</p> <p>05/06/2016 House Third Reading Passed - No Amendments</p> <p>05/09/2016 Senate Considered House Amendments - Result was to Concur - Repass</p>

SB16-046**Preserve Options Respond EPA Clean Power Plan Rule****Comment:****Position:** **Monitor****Short Title:** Preserve Options Respond EPA Clean Power Plan Rule**Summary:** The federal environmental protection agency (EPA) has promulgated rules to regulate carbon dioxide emissions from existing fossil-fuel-fired electric generating units (the "clean power plan"). The rules require states to submit a plan to the EPA detailing how they will comply with the clean power plan, but allow states to qualify for a 2-year

extension on filing a plan by filing an "initial submittal". The bill directs the air quality control commission (AQCC) to:

- * Conduct a public input process necessary to make the initial submittal and thereby qualify for the 2-year extension without making any binding commitments in any way not required by the express provisions of the clean power plan, including to submit a state plan in the future;
- * Consider specific factors in developing the state plan; and
- * Submit a report, prepared jointly with the public utilities commission, to the general assembly that discusses the proposed state plan in connection with the factors. Once the AQCC prepares a draft plan, it must submit it to the general assembly. The AQCC cannot submit the plan to the EPA unless the general assembly has approved it by adoption of a joint resolution. If a court stays the clean power plan or holds that it is invalid, implementation of the state plan must be suspended or terminated, as appropriate. The existing process for legislative review of state implementation plans is expanded to include a state plan as required by the clean power plan.

Status:

01/19/2016 Introduced In Senate - Assigned to Agriculture, Natural Resources, & Energy
 03/17/2016 Senate Committee on Agriculture, Natural Resources, & Energy Postpone Indefinitely

SB16-055**Rural Electric Cooperative Election Procedures****Comment:****Position:****Monitor****Short Title:**

Rural Electric Cooperative Election Procedures

Summary:

Under current law, a cooperative electric association may hire an independent third party, such as an accounting firm, to collect and count the ballots for executive board elections. Candidates have the right to observe the counting process, and mailed ballots must include an inner envelope to preserve secrecy. The bill specifies that a mailed ballot that is received without an inner envelope or secrecy sleeve is not invalid for that reason, and that if the association contracts with an independent third party that will count ballots, the ballots must be made available to the candidates for inspection after the election.

Status:

01/19/2016 Introduced In Senate - Assigned to Agriculture, Natural Resources, & Energy
 02/04/2016 Senate Committee on Agriculture, Natural Resources, & Energy Refer Unamended - Consent Calendar to Senate Committee of the Whole
 02/09/2016 Senate Second Reading Passed - No Amendments
 02/10/2016 Senate Third Reading Passed - No Amendments
 02/10/2016 Introduced In House - Assigned to Transportation & Energy
 03/02/2016 House Committee on Transportation & Energy Refer Unamended to House Committee of the Whole
 03/07/2016 House Second Reading Passed - No Amendments
 03/08/2016 House Third Reading Passed - No Amendments
 03/15/2016 Signed by the President of the Senate
 03/15/2016 Signed by the Speaker of the House
 03/18/2016 Sent to the Governor
 03/23/2016 Governor Signed

SB16-061**Ratepayer Protection Carbon Dioxide Increased Cost****Comment:****Position:** **Monitor****Short Title:** Ratepayer Protection Carbon Dioxide Increased Cost**Summary:**

The bill directs the public utilities commission to create a ratepayer protection program, pursuant to which an electric utility's increased costs attributable to compliance with the federal environmental protection agency's regulations that limit carbon dioxide emissions from existing fossil-fuel-fired electric generating units are paid from a state fund rather than by the utility's customers. The fund is financed by appropriations from the stationary sources control fund.

Status:

01/19/2016 Introduced In Senate - Assigned to Agriculture, Natural Resources, & Energy
 03/10/2016 Senate Committee on Agriculture, Natural Resources, & Energy Refer Amended to Appropriations
 04/01/2016 Senate Committee on Appropriations Refer Amended to Senate Committee of the Whole
 04/05/2016 Senate Second Reading Passed with Amendments - Committee
 04/06/2016 Senate Third Reading Passed - No Amendments
 04/06/2016 Introduced In House - Assigned to Transportation & Energy + Appropriations
 04/27/2016 House Committee on Transportation & Energy Postpone Indefinitely

SB16-136**Broadband Deployment****Comment:****Position:** **Oppose****Short Title:** Broadband Deployment**Summary:**

Absent voter approval at an election, a local government is prohibited from providing its own cable television service, telecommunications service, or advanced service, which is defined as high-speed internet access greater than 256 kilobits per second. If no private provider of advanced service provides advanced service anywhere within the boundaries of a local government and if certain circumstances are met, the local government is exempt from the prohibition as an unserved area. Sections 1 through 6 of the bill modify the law respecting a local government's provision of these services. Section 1 updates the definition of "advanced service" to mean high-speed internet access capability at measurable speeds of at least 10 megabits per second downstream and one megabit per second upstream. Section 3 permits a local government to evaluate the feasibility of, or need for, providing cable television service, telecommunications service, or broadband service without having to call an election first. Section 3 also requires a local government to give at least 60 days' public notice to private providers of cable television, telecommunications, or advanced service of its intent to consider a ballot measure concerning the provision of such services and to publish a plan for the proposed service. Section 4 modifies the exemption from seeking voter approval to cover those local governments with an area that constitutes an unserved area, which is defined for advanced service as an area with advanced service that consists of one or more contiguous census blocks in which a majority of the households lack access to at least one provider of advanced service that uses satellite technology and at least one provider of advanced service that uses nonsatellite technology. Section 5 expands the

activities that a local government may engage in without seeking voter approval to include leasing space or capacity to a private provider, entering into a joint trenching agreement with a private provider if the lease, trenching agreement is made or entered into in a nondiscriminatory and competitively neutral manner. Section 5 also excludes from the voter approval requirement a local government's purchase, lease, construction, maintenance, or operation of middle-mile transport facilities that are made available on a nondiscriminatory, nonexclusive, competitively neutral basis. Section 7 updates the definition of broadband network for purposes of telecommunications regulation and deregulation. Section 8 updates how the public utilities commission (commission) makes an effective competition determination for high cost support mechanism (HCSM) funding, which is financial assistance provided to telecommunications companies that provide basic telephone service or broadband service in areas that lack effective competition. Section 8 also updates the process for seeking review of an effective competition determination made by the commission. Section 10 establishes that HCSM funding cannot be used to support more than one business line per individual business, one wireline per individual household, or one wireless line per individual household. Sections 9 and 11 change the broadband fund to the broadband support mechanism, for the administration of money to award grants to projects aimed at deploying broadband service in unserved areas of the state. Section 11 also requires that a reasonable reserve of money be maintained in the broadband support mechanism. Section 11 further requires the executive director of the department of local affairs and the chief information officer of the office of information technology to report to the broadband deployment board on a quarterly basis to ensure nonduplication of state funding of broadband deployment projects.

Status: 03/04/2016 Introduced In Senate - Assigned to State, Veterans, & Military Affairs
 03/16/2016 Senate Committee on State, Veterans, & Military Affairs Postpone Indefinitely

SB16-157

Don't Implement Clean Power Plan Until Stay Lifted

Comment:

Position:

Monitor

Short Title:

Don't Implement Clean Power Plan Until Stay Lifted

Summary:

The federal environmental protection agency (EPA) has promulgated rules to regulate carbon dioxide emissions from existing fossil-fuel-fired electric generating units (the "clean power plan"). The rules require states to submit a plan to the EPA detailing how they will comply with the clean power plan, but allow states to qualify for a 2-year extension on filing a plan by filing an "initial submittal". On February 9, 2016, the United States Supreme Court granted a stay of the clean power plan, effective through the completion of any proceedings in the Supreme Court. The bill requires the air quality control commission and the division of administration in the department of public health and environment to suspend all activities in furtherance of developing a state plan to implement the clean power plan until the Supreme Court's stay is lifted and new deadlines for submission of state plans have been established. The existing process for legislative review of state implementation plans is expanded to include a state plan as required by the clean power plan.

Status:

03/15/2016 Introduced In Senate - Assigned to Agriculture, Natural Resources, & Energy

03/17/2016 Senate Committee on Agriculture, Natural Resources, & Energy Refer Unamended to Senate Committee of the Whole

03/22/2016 Senate Second Reading Laid Over Daily - No Amendments
 03/23/2016 Senate Second Reading Laid Over Daily - No Amendments
 03/28/2016 Senate Second Reading Special Order - Passed - No Amendments
 03/29/2016 Senate Third Reading Passed - No Amendments
 03/30/2016 Introduced In House - Assigned to Transportation & Energy
 04/27/2016 House Committee on Transportation & Energy Postpone Indefinitely

SB16-171**New Energy Improvement District Clarifications****Comment:****Position:** **Monitor****Short Title:** New Energy Improvement District Clarifications**Summary:** The new energy improvement district (NEID) is a statewide district that operates a program to facilitate private financing of energy and water improvements to eligible real property. The bill modifies and clarifies the statutes that pertain to the NEID as follows:

* Section 2 requires the county treasurer of a county that has authorized the operation of the NEID program (program) in the county to retain a one percent collection fee for each NEID special assessment that it collects, and authorizes such a county to revoke its authorization for the operation of the program so long as the county meets all of its obligations as to program financing obligations existing on the effective date of the deauthorization until any and all special assessments within the county have been paid in full to the NEID.

* Section 3 repeals the authority of the NEID to reduce the amount of any special assessment with the consent of the owner of the property on which the special assessment is levied, clarifies that delinquent special assessment installments incur interest charges at the same rate as delinquent property taxes, and requires the county treasurer to distribute NEID special assessments to the NEID in the same manner, less the collection fee, as property taxes are distributed.

* Section 4 repeals an existing prohibition against a county assessor taking into account, when valuing real property, an increase in its market value resulting from an energy or water improvement financed through the NEID program and repeals existing authority for the NEID to initiate a civil action for foreclosure.

* Sections 1 through 4 also make various technical and clarifying changes.

Status:

03/22/2016 Introduced In Senate - Assigned to Local Government
 03/29/2016 Senate Committee on Local Government Refer Unamended - Consent Calendar to Senate Committee of the Whole
 03/31/2016 Senate Second Reading Special Order - Passed - No Amendments
 04/01/2016 Senate Third Reading Passed - No Amendments
 04/04/2016 Introduced In House - Assigned to Transportation & Energy
 04/20/2016 House Committee on Transportation & Energy Refer Unamended to House Committee of the Whole
 04/22/2016 House Second Reading Special Order - Passed - No Amendments
 04/25/2016 House Third Reading Passed - No Amendments

Attachment B



Public Power Daily

Senate passes comprehensive energy measure

From the April 21, 2016 issue of *Public Power Daily*

Originally published April 20, 2016

By [Jeannine Anderson](#)

News Editor

By a wide margin of 85-12, the Senate on April 20 passed a broad energy bill, the Energy Policy Modernization Act of 2015, that is supported by the American Public Power Association. The measure, S. 2012, will now need to be reconciled with an energy bill that was passed by the House last year.

On April 19, APPA President and CEO Sue Kelly wrote to Lisa Murkowski, R-Alaska, chairman of the Senate Energy and Natural Resources Committee, and the committee's ranking Democrat, Maria Cantwell of Washington, to reiterate APPA's support for the bill.

"APPA greatly appreciates your tireless work on developing a comprehensive energy bill and your outreach to public power utilities on electricity issues," Kelly said.

In her letter, Kelly highlighted the top issues addressed by the bill, including: reliability; hydropower licensing reform; energy efficiency; emerging utility workforce challenges; and expedited natural gas pipeline permitting. The letter also highlighted a requirement for regional transmission organizations, or RTOs, to report to Congress on capacity markets based on a balanced set of criteria, including reliability, diversity of capacity resources, and whether capacity market rules "provide an enhanced opportunity for self-supply of electric generating capacity resources."

Next, the House and Senate are both expected to request a conference to resolve differences between S. 2012 and the House energy bill, H.R. 8, entitled the North American Energy Security and Infrastructure Act of 2015.

Senate bill was released last summer

Last summer, Murkowski and Cantwell released a 357-page energy bill that pulled together dozens of bills that had been considered by the committee over the previous several months.

Early this year, at the end of January, the Senate appeared poised to pass S. 2012, but debate on the legislation came to a standstill in February. Last week, senators said they would resume work on the

measure — and this time they quickly passed it. Before the final vote on April 20, the lawmakers adopted a set of amendments “en bloc” by voice vote; then debated eight final amendments and voted on those.

APPA was opposed to one of the amendments that was adopted en bloc. The amendment, by Sen. Jeanne Shaheen, D-N.H., will provide model guidance for waste heat and combined heat and power systems.

“Public power utilities have a long history of supporting combined heat and power (CHP) and other distributed energy resources, but this amendment is unnecessary and appears to exclude any captured heat from a process designed solely to generate electricity,” Kelly wrote in her letter to committee leaders.

APPA took no position on any of the amendments that were debated except for one by Sen. John Boozman, R-Ark., which would have imposed additional reporting requirements on projects authorized under Section 1222 of the Energy Policy Act of 2005. The amendment was rejected on a vote of 42-55.

APPA supported the amendment because of the association’s longstanding concerns about Section 1222. In particular, APPA is concerned that as implemented, Section 1222 could require public power utilities to pay for transmission lines that they do not need and that are outside the statutory mission of the federal power marketing administrations.



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AGENDA ITEM: **12**

MEETING DATE: 5/18/2016

SUBMITTED BY: Michelle Stalker, Technical Specialist

TITLE: Water Legislative Update

DESCRIPTION:

This item and the attachments are 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 Seventieth Colorado General Assembly convened on January 13, 2016 and ended on May 11, 2016. The Colorado Water Congress, through its State Affairs Committee, tracks house and senate bills related to water.

As of May 9, 2016, the CWC tracked 30 bills in 2016. Of these 30 bills tracked, the CWC supported 13 bills, opposed 7 bills, chose to monitor 5 bills, and took no position on 5 bills. Of the 13 bills that CWC supported, 10 are either awaiting the governor's signature or are well on their way to his desk. One of the bills that CWC supported was killed and the verdict is still out on the remaining 2 bills. All 7 bills that the CWC opposed were postponed indefinitely or killed in a committee or on the house or senate floor. Please see the attachments for additional information on the bills presented this session. Attachment A is an extensive Bill Dossier documenting relevant actions. Attachment B shows the status of each bill that has been introduced that the CWC is tracking.

Below are the names, status updates and brief summaries of the 10 bills that CWC supported that are either passed, awaiting the governor's signature or are well on their way to his desk.

- 1. HB16-1109 Application of State Water Law to Federal Agencies** – Governor signed 4/21/2016: *Concerning limits that the basic tenets of Colorado water law place on the ability of certain federal agencies to impose conditions on a water right owner in exchange for permission to use federal land.*
- 2. HB16-1228 Ag Protection Water Right Transfer Mechanism** – Sent to the Governor 5/5/2016: *Concerning an alternative transfer mechanism for water rights that protects the agricultural use for which a water right was originally decreed while permitting renewable one-year transfers of a portion of the water subject to the water right.*

3. **HB16-1256 South Platte Water Storage Study** – 05/03/2016 House considered Senate Amendments – Result was to Laid Over Daily - *Section 1 of the bill requires the Colorado water conservation board (board), in collaboration with the state engineer, to conduct or commission a hydrology study of the South Platte river basin to determine, for each of the previous 20 years, the amount of water that has been delivered to Nebraska from the river in excess of the amount required under the South Platte river compact. The study must also include a list of locations that have been identified as possible sites for the construction of a reservoir along the mainstem and tributaries of the South Platte River between Greeley, Colorado, and Julesburg, Colorado. For each listed location, the study must include information on the amount of water that could have been stored in a reservoir at the site, a list of any property that the federal bureau of reclamation or another government agency has purchased for construction of the site, an estimate of the cost to construct a reservoir at the site, and a cost-benefit analysis for constructing a reservoir at the site. The board, in collaboration with the state engineer, is required to provide a report summarizing the study to the committees of reference in the house of representatives and the senate that have jurisdiction over natural resources matters. Section 2 transfers \$250,000 from the severance tax perpetual base fund to the Colorado water conservation board construction fund on July 1, 2016.*
4. **HJR16-1002 Dam Restoration Access to Federal Lands** – 2/16/2016 Signed by the President of the Senate: *Colorado General Assembly urges federal agencies, specifically the United States Forest Service and the Bureau of Land Management, to communicate and work cooperatively on requests for permission to access a dam or other water storage structure when the purpose of accessing the water storage structure is to maintain, repair, or rehabilitate the water storage structure.*
5. **SB16-145 Colorado River District Subdistrict Formation** – 04/15/2016 Senate Considered House Amendments – Result was to concur – Repass: *Concerning an alternative mechanism for creating a subdistrict of the Colorado River Water Conservation District.*
6. **SB16-167 – Severance Tax Operational Fund Reserve Reduction** – 04/18/2016 House 3rd Reading Passed – No Amendments: *Concerning a reduction in the severance tax operational fund reserve for the 2016-17 fiscal year.*
7. **SB16-174 CWCB Construction Fund Project** – 05/08/2016 House Second Reading Passed with Amendments – Committee: *Concerning the funding of Colorado Water Conservation Board projects, and, in connection therewith, making appropriations.*
8. **SJM16-001 Good Samaritan Remediation Abandoned Mines** – 03/03/2016 Signed by the Speaker of the House: *Concerning protection from liability for voluntary reclamation of abandoned hard rock mines.*

9. SJM16-002 Federal Funding for Catastrophic Wildfire Response – 02/12/2016

Signed by the Speaker of the House: *Concerning the need for congress to fund catastrophic wildfire response costs outside of federal forest management agencies' normal budgets.*

10. SJR16-003 Water Projects Eligibility Lists – 02/18/2016 Governor signed: *Concerning approval of water project revolving fund eligibility lists administered by the Colorado Water Resources and Power Development Authority.*

Below are updates on federal bills of particular interest:

- 1. Health Forest Management and Wildfire Prevention Act (H.R 695):** This bill is designed to protect against the bark beetle epidemic, drought, deteriorating forest conditions and high risk of wildfires on USFS land under BLM jurisdiction. This bill was referred to the Subcommittee on Federal Lands on March 16, 2016.

For more information visit: <https://www.congress.gov/bill/114th-congress/house-bill/695>

- 2. Waters of the U.S. S. 1140:** This was drafted to revise the definition of the term “waters of the United States”, defined in the Federal Register in April 2014. This bill provides an explanation of the hydrologic cycle that is crucial to Colorado’s prior appropriation system. There is currently a nationwide stay of the Clean Water Rule issued by the Sixth Circuit Court of Appeals on October 9, 2015. For more information visit:

<https://www.congress.gov/bill/114th-congress/senate-bill/1140/text>

Please visit www.cowatercongress.org or www.nwra.org if you would like additional information regarding federal or state bills related to water.

RECOMMENDATION:

Information item only. No action required

REVIEWED BY DIRECTOR:

 for 

ATTACHMENTS:

- **Attachment A:** CWC, State Affairs Committee, Water Bill Summary (Updated April 26, 2016)
- **Attachment B:** CWC, State Affairs 2016 Bill Status Sheet (Updated May 10, 2016)

Attachment A

2016 Water Legislation

HB16-1004	Measurable Goals Deadlines CO Climate Action Plan
Position:	Oppose
Calendar	NOT ON CALENDAR
Notification:	
Short Title:	Measurable Goals Deadlines CO Climate Action Plan
Sponsors:	WINTER
Status:	01/13/2016 Introduced In House - Assigned to Health, Insurance, & Environment 02/04/2016 House Committee on Health, Insurance, & Environment Refer Amended to House Committee of the Whole 02/08/2016 House Second Reading Passed with Amendments - Committee, Floor 02/09/2016 House Third Reading Passed - No Amendments 03/04/2016 Introduced In Senate - Assigned to Agriculture, Natural Resources, & Energy 03/24/2016 Senate Committee on Agriculture, Natural Resources, & Energy Witness Testimony and/or Committee Discussion Only 03/30/2016 Senate Committee on Agriculture, Natural Resources, & Energy Postpone Indefinitely
Alerts:	
Cal. Notif. Action:	
Cal. Notif.	
Committee:	
Cal. Notif. Date:	
Cal. Notif. Order:	
Date Introduced:	2016-01-13
Status History:	Status History

HB16-1005	Residential Precipitation Collection
Position:	No Position
Calendar	NOT ON CALENDAR
Notification:	
Short Title:	Residential Precipitation Collection
Sponsors:	ESGAR / MERRIFIELD

Status:

01/13/2016 00:10 Introduced In House - Assigned to Agriculture, Livestock, & Natural Resources
01/13/2016 Introduced In House - Assigned to Agriculture, Livestock, & Natural Resources
02/22/2016 House Committee on Agriculture, Livestock, & Natural Resources Refer Amended to House Committee of the Whole
02/24/2016 House Second Reading Laid Over to 02/29/2016 - No Amendments
02/29/2016 House Second Reading Passed with Amendments - Committee, Floor
03/01/2016 House Third Reading Laid Over to 03/04/2016 - No Amendments
03/04/2016 House Third Reading Passed - No Amendments
03/04/2016 Introduced In Senate - Assigned to Agriculture, Natural Resources, & Energy
03/24/2016 Senate Committee on Agriculture, Natural Resources, & Energy Witness Testimony and/or Committee Discussion Only
03/30/2016 Senate Committee on Agriculture, Natural Resources, & Energy Refer Unamended to Senate Committee of the Whole
03/31/2016 Senate Second Reading Special Order - Passed - No Amendments
04/01/2016 Senate Third Reading Passed - No Amendments
04/01/2016 Senate Third Reading Reconsidered - No Amendments
04/01/2016 Senate Third Reading Passed - No Amendments
05/05/2016 Signed by the Speaker of the House
05/05/2016 Signed by the President of the Senate
05/05/2016 Sent to the Governor

Alerts:

Cal. Notif. Action:

Cal. Notif.

Committee:

Cal. Notif. Date:

Cal. Notif. Order:

Date Introduced: 2016-01-13

Status History: [Status History](#)

HB16-1019

Broadcast Burns Watershed Protection

Position: **Monitor**

Calendar NOT ON CALENDAR

Notification:

Short Title: Broadcast Burns Watershed Protection

Sponsors: BECKER K. / JONES

Status:

01/13/2016 00:10 Introduced In House - Assigned to Agriculture, Livestock, & Natural Resources
01/13/2016 Introduced In House - Assigned to Agriculture, Livestock, & Natural Resources
01/27/2016 House Committee on Agriculture, Livestock, & Natural Resources Refer Amended to House Committee of the Whole
01/29/2016 House Second Reading Laid Over Daily - No Amendments
02/01/2016 House Second Reading Passed with Amendments - Committee
02/02/2016 House Third Reading Passed - No Amendments
02/03/2016 Introduced In Senate - Assigned to Agriculture, Natural Resources, & Energy
02/25/2016 Senate Committee on Agriculture, Natural Resources, & Energy Refer Amended - Consent Calendar to Senate Committee of the Whole
03/01/2016 Senate Second Reading Passed with Amendments - Committee
03/02/2016 Senate Third Reading Passed - No Amendments
03/03/2016 House Considered Senate Amendments - Result was to Concur - Repass
03/09/2016 Signed by the Speaker of the House
03/14/2016 Signed by the President of the Senate
03/14/2016 Sent to the Governor
03/22/2016 Governor Signed

Alerts:

Cal. Notif. Action:

**Cal. Notif.
Committee:**

Cal. Notif. Date:

Cal. Notif. Order:

Date Introduced: 2016-01-13

Status History: [Status History](#)

HB16-1109

Application Of State Water Law To Federal Agencies

Position: **Support**

**Calendar
Notification:** NOT ON CALENDAR

Short Title: Application Of State Water Law To Federal Agencies

Sponsors: BECKER J. / SONNENBERG

Status: 01/20/2016 Introduced In House - Assigned to Agriculture, Livestock, & Natural Resources

03/07/2016 House Committee on Agriculture, Livestock, & Natural Resources Refer Unamended to House Committee of the Whole
03/17/2016 House Second Reading Laid Over to 03/23/2016 - No Amendments
03/28/2016 House Second Reading Passed with Amendments - Floor
03/29/2016 House Third Reading Passed - No Amendments
03/29/2016 Introduced In Senate - Assigned to Agriculture, Natural Resources, & Energy
03/30/2016 Senate Committee on Agriculture, Natural Resources, & Energy Refer Unamended - Consent Calendar to Senate Committee of the Whole
03/31/2016 Senate Second Reading Special Order - Passed - No Amendments
04/01/2016 Senate Third Reading Passed - No Amendments
04/08/2016 Signed by the Speaker of the House
04/11/2016 Signed by the President of the Senate
04/11/2016 Sent to the Governor
04/21/2016 Governor Signed

Alerts:**Cal. Notif. Action:****Cal. Notif.
Committee:****Cal. Notif. Date:****Cal. Notif. Order:****Date Introduced:** 2016-01-20**Status History:** [Status History](#)

HB16-1228**Ag Protection Water Right Transfer Mechanism**

Position: **Support**
Calendar NOT ON CALENDAR
Notification:
Short Title: Ag Protection Water Right Transfer Mechanism
Sponsors: ARNDT / DONOVAN
Status:
02/04/2016 Introduced In House - Assigned to Agriculture, Livestock, & Natural Resources
03/14/2016 House Committee on Agriculture, Livestock, & Natural Resources Refer Amended to House Committee of the Whole
03/17/2016 House Second Reading Laid Over to 03/21/2016 - No Amendments
03/21/2016 House Second Reading Passed with Amendments - Committee
03/22/2016 House Third Reading Passed - No Amendments

03/22/2016 Introduced In Senate - Assigned to Agriculture, Natural Resources, & Energy
 03/31/2016 Senate Committee on Agriculture, Natural Resources, & Energy Witness Testimony and/or Committee Discussion Only
 04/20/2016 Senate Committee on Agriculture, Natural Resources, & Energy Refer Amended - Consent Calendar to Senate Committee of the Whole
 04/22/2016 Senate Second Reading Passed with Amendments - Committee
 04/25/2016 Senate Third Reading Passed - No Amendments
 04/29/2016 House Considered Senate Amendments - Result was to Concur - Repass
 04/29/2016 House Considered Senate Amendments - Result was to Laid Over Daily
 05/05/2016 Signed by the Speaker of the House
 05/05/2016 Signed by the President of the Senate
 05/05/2016 Sent to the Governor

Alerts:**Cal. Notif. Action:****Cal. Notif.
Committee:****Cal. Notif. Date:****Cal. Notif. Order:****Date Introduced:** 2016-02-04**Status History:** [Status History](#)

HB16-1255 **Manage Forests To Improve Water Supply Conditions**

Position: **Monitor**
Calendar NOT ON CALENDAR
Notification:
Short Title: Manage Forests To Improve Water Supply Conditions
Sponsors: CORAM
Status:
 02/08/2016 Introduced In House - Assigned to Agriculture, Livestock, & Natural Resources
 02/29/2016 House Committee on Agriculture, Livestock, & Natural Resources Refer Amended to House Committee of the Whole
 03/02/2016 House Second Reading Passed with Amendments - Committee
 03/04/2016 House Third Reading Laid Over to 03/08/2016 - No Amendments
 03/08/2016 House Third Reading Passed - No Amendments
 03/09/2016 Introduced In Senate - Assigned to Agriculture, Natural

Resources, & Energy
03/24/2016 Senate Committee on Agriculture, Natural Resources, & Energy Refer Amended to Senate Committee of the Whole
03/29/2016 Senate Second Reading Special Order - Passed with Amendments - Committee
03/30/2016 Senate Third Reading Passed - No Amendments
04/01/2016 House Considered Senate Amendments - Result was to Concur - Repass
04/01/2016 House Considered Senate Amendments - Result was to Laid Over Daily
04/07/2016 Signed by the Speaker of the House
04/11/2016 Signed by the President of the Senate
04/11/2016 Sent to the Governor
04/21/2016 Governor Signed

Alerts:**Cal. Notif. Action:****Cal. Notif.****Committee:****Cal. Notif. Date:****Cal. Notif. Order:****Date Introduced:** 2016-02-08**Status History:** [Status History](#)

HB16-1256**South Platte Water Storage Study**

Position: **Support**
Calendar NOT ON CALENDAR
Notification:
Short Title: South Platte Water Storage Study
Sponsors: BROWN / SONNENBERG
Status:
02/08/2016 Introduced In House - Assigned to Agriculture, Livestock, & Natural Resources + Appropriations
03/07/2016 House Committee on Agriculture, Livestock, & Natural Resources Refer Amended to Appropriations
04/07/2016 House Committee on Appropriations Refer Amended to House Committee of the Whole
04/11/2016 House Second Reading Laid Over Daily - No Amendments
04/12/2016 House Second Reading Passed with Amendments - Committee, Floor
04/14/2016 House Third Reading Passed - No Amendments
04/14/2016 Introduced In Senate - Assigned to Agriculture, Natural Resources, & Energy

04/21/2016 Senate Committee on Agriculture, Natural Resources, & Energy Refer Amended to Appropriations
 04/27/2016 Senate Committee on Appropriations Refer Unamended to Senate Committee of the Whole
 04/28/2016 Senate Second Reading Special Order - Passed with Amendments - Committee
 04/29/2016 Senate Third Reading Passed - No Amendments
 05/03/2016 House Considered Senate Amendments - Result was to Concur - Repass
 05/03/2016 House Considered Senate Amendments - Result was to Laid Over Daily

Alerts:**Cal. Notif. Action:****Cal. Notif. Committee:****Cal. Notif. Date:****Cal. Notif. Order:****Date Introduced:** 2016-02-08**Status History:** [Status History](#)**HB16-1283****Water Loss Audit Report Performance Standards****Position:** **Oppose****Calendar Notification:** NOT ON CALENDAR**Short Title:** Water Loss Audit Report Performance Standards**Sponsors:** BECKER K.**Status:** 02/19/2016 Introduced In House - Assigned to Agriculture, Livestock, & Natural Resources

03/07/2016 House Committee on Agriculture, Livestock, & Natural Resources Lay Over Unamended - Amendment(s) Failed

04/04/2016 House Committee on Agriculture, Livestock, & Natural Resources Postpone Indefinitely

Alerts:**Cal. Notif. Action:****Cal. Notif. Committee:****Cal. Notif. Date:****Cal. Notif. Order:****Date Introduced:** 2016-02-19

Status History:[Status History](#)**HB16-1313****Auth Local Gov Master Plan Include Water Plan Goal****Position:****No Position****Calendar**

NOT ON CALENDAR

Notification:**Short Title:**

Auth Local Gov Master Plan Include Water Plan Goal

Sponsors:

ARNDT

Status:

03/02/2016 Introduced In House - Assigned to Agriculture, Livestock, & Natural Resources
03/21/2016 House Committee on Agriculture, Livestock, & Natural Resources Lay Over Unamended - Amendment(s) Failed
04/13/2016 House Committee on Agriculture, Livestock, & Natural Resources Refer Amended to House Committee of the Whole
04/15/2016 House Second Reading Special Order - Passed with Amendments - Committee
04/18/2016 House Third Reading Laid Over to 04/19/2016 - No Amendments
04/19/2016 House Third Reading Laid Over Daily - No Amendments
04/20/2016 House Third Reading Passed - No Amendments
04/20/2016 Introduced In Senate - Assigned to State, Veterans, & Military Affairs + Agriculture, Natural Resources, & Energy
05/02/2016 Senate Committee on State, Veterans, & Military Affairs Postpone Indefinitely

Alerts:**Cal. Notif. Action:****Cal. Notif.****Committee:****Cal. Notif. Date:****Cal. Notif. Order:****Date Introduced:** 2016-03-02**Status History:**[Status History](#)**HB16-1314****Treat Preexisting Groundwater Depletions Replaced****Position:****Oppose****Calendar**

NOT ON CALENDAR

Notification:**Short Title:**

Treat Preexisting Groundwater Depletions Replaced

Calendar**Notification:****Short Title:** Appellate Process For Decisions About Groundwater**Sponsors:** VIGIL**Status:** 03/03/2016 Introduced In House - Assigned to Agriculture, Livestock, & Natural Resources

03/28/2016 House Committee on Agriculture, Livestock, & Natural Resources Refer Amended to House Committee of the Whole

03/31/2016 House Second Reading Passed with Amendments - Committee

04/01/2016 House Third Reading Passed - No Amendments

04/20/2016 Introduced In Senate - Assigned to Judiciary

04/21/2016 Introduced In Senate - Assigned to Judiciary

04/21/2016 Introduced In Senate - Assigned to Judiciary + Agriculture, Natural Resources, & Energy

04/26/2016 Senate Committee on Judiciary Postpone Indefinitely

Alerts:**Cal. Notif. Action:****Cal. Notif.****Committee:****Cal. Notif. Date:****Cal. Notif. Order:****Date Introduced:** 2016-03-03**Status History:** [Status History](#)

HB16-1382

Divert Water Piscatorial Aesthetic Beneficial Use**Position:****Calendar** NOT ON CALENDAR**Notification:****Short Title:** Divert Water Piscatorial Aesthetic Beneficial Use**Sponsors:** BECKER K.**Status:** 03/16/2016 Introduced In House - Assigned to Agriculture, Livestock, & Natural Resources

04/04/2016 House Committee on Agriculture, Livestock, & Natural Resources Postpone Indefinitely

Alerts:**Cal. Notif. Action:****Cal. Notif.****Committee:**

Cal. Notif. Date:**Cal. Notif. Order:****Date Introduced:** 2016-03-16**Status History:** [Status History](#)

HB16-1392**Water Banks Administration**

Position:**Calendar** NOT ON CALENDAR**Notification:****Short Title:** Water Banks Administration**Sponsors:** ARNDT / CROWDER**Status:**
03/17/2016 Introduced In House - Assigned to Agriculture,
Livestock, & Natural Resources
04/11/2016 House Committee on Agriculture, Livestock, & Natural
Resources Postpone Indefinitely**Alerts:****Cal. Notif. Action:****Cal. Notif.**
Committee:**Cal. Notif. Date:****Cal. Notif. Order:****Date Introduced:** 2016-03-17**Status History:** [Status History](#)

HB16-1413**Refinance Water Pollution Control Program**

Position:**Calendar** NOT ON CALENDAR**Notification:****Short Title:** Refinance Water Pollution Control Program**Sponsors:** RANKIN / GRANTHAM**Status:**
03/28/2016 Introduced In House - Assigned to
03/28/2016 Introduced In House - Assigned to Appropriations
03/29/2016 House Committee on Appropriations Refer Unamended
to House Committee of the Whole
03/31/2016 House Second Reading Passed - No Amendments
04/01/2016 House Third Reading Passed - No Amendments

04/01/2016 Introduced In Senate - Assigned to Appropriations
04/04/2016 Senate Committee on Appropriations Refer Unamended - Consent Calendar to Senate Committee of the Whole
04/06/2016 Senate Second Reading Passed - No Amendments
04/07/2016 Senate Third Reading Passed - No Amendments
04/22/2016 Signed by the Speaker of the House
04/25/2016 Signed by the President of the Senate
04/25/2016 Sent to the Governor
05/04/2016 Governor Signed

Alerts:**Cal. Notif. Action:**

Cal. Notif.
Committee:

Cal. Notif. Date:**Cal. Notif. Order:**

Date Introduced: 2016-03-28

Status History: [Status History](#)

HB16-1433**Retain & Spend Sev Tax Revenues For Reserve Fund**

Position:

Calendar NOT ON CALENDAR
Notification:

Short Title: Retain & Spend Sev Tax Revenues For Reserve Fund

Sponsors: HAMNER / STEADMAN

Status: 04/05/2016 Introduced In House - Assigned to Finance
04/27/2016 House Committee on Finance Postpone Indefinitely

Alerts:**Cal. Notif. Action:**

Cal. Notif.
Committee:

Cal. Notif. Date:**Cal. Notif. Order:**

Date Introduced: 2016-04-05

Status History: [Status History](#)

HB16-1450**Allocate Additional Available State Revenues**

Position:**Calendar** NOT ON CALENDAR**Notification:****Short Title:** Allocate Additional Available State Revenues**Sponsors:** HULLINGHORST**Status:**
04/21/2016 Introduced In House - Assigned to Appropriations
04/26/2016 House Committee on Appropriations Refer Amended to House Committee of the Whole
04/28/2016 House Second Reading Passed with Amendments - Committee, Floor
04/29/2016 House Third Reading Passed - No Amendments
05/10/2016 Introduced In Senate - Assigned to Finance + Appropriations**Alerts:****Cal. Notif. Action:****Cal. Notif.****Committee:****Cal. Notif. Date:****Cal. Notif. Order:****Date Introduced:** 2016-04-21**Status History:** [Status History](#)

HB16-1458**Species Conservation Trust Fund Projects**

Position:**Calendar** Tuesday, May 10 2016
Notification: THIRD READING OF BILLS - FINAL PASSAGE - CONSENT CALENDAR
(3) in senate calendar.**Short Title:** Species Conservation Trust Fund Projects**Sponsors:** VIGIL / SONNENBERG**Status:**
04/27/2016 Introduced In House - Assigned to Agriculture, Livestock, & Natural Resources + Appropriations
05/02/2016 House Committee on Agriculture, Livestock, & Natural Resources Refer Unamended to Appropriations
05/05/2016 House Committee on Appropriations Refer Unamended to House Committee of the Whole
05/05/2016 House Second Reading Special Order - Passed - No Amendments
05/06/2016 House Third Reading Passed - No Amendments
05/06/2016 Introduced In Senate - Assigned to State, Veterans, &

Military Affairs
05/09/2016 Senate Committee on State, Veterans, & Military Affairs
Refer Unamended to Appropriations
05/09/2016 Senate Committee on Appropriations Refer Unamended -
Consent Calendar to Senate Committee of the Whole
05/09/2016 Senate Second Reading Special Order - Passed - No
Amendments
05/10/2016 Senate Third Reading Passed - No Amendments

Alerts:

Cal. Notif. Action: THIRD READING OF BILLS - FINAL PASSAGE - CONSENT CALENDAR

**Cal. Notif.
Committee:**

Cal. Notif. Date: 2016-05-10

Cal. Notif. Order: 3

Date Introduced: 2016-04-27

Status History: [Status History](#)

HJR16-1002**Dam Restoration Access To Federal Lands**

Position: **Support**
Calendar
Notification: NOT ON CALENDAR
Short Title: Dam Restoration Access To Federal Lands
Sponsors: CORAM & MITSCH BUSH / BAUMGARDNER
Status:
01/13/2016 00:10 Introduced In House - Assigned to Agriculture, Livestock, & Natural Resources
01/13/2016 Introduced In House - Assigned to Agriculture, Livestock, & Natural Resources
01/27/2016 House Committee on Agriculture, Livestock, & Natural Resources Refer Amended to House Committee of the Whole
01/29/2016 House Third Reading Laid Over Daily - No Amendments
02/01/2016 House Third Reading Laid Over Daily - No Amendments
02/04/2016 House Third Reading Passed - No Amendments
02/05/2016 Introduced In Senate - Assigned to
02/05/2016 Senate Third Reading Laid Over Daily - No Amendments
02/08/2016 Senate Third Reading Passed - No Amendments
02/10/2016 Signed by the Speaker of the House
02/16/2016 Signed by the President of the Senate

Alerts:

Cal. Notif. Action:

Cal. Notif.**Committee:****Cal. Notif. Date:****Cal. Notif. Order:****Date Introduced:** 2016-01-13**Status History:** [Status History](#)**HJR16-1021****Congress Streamline Water Project Permit Process****Position:****Calendar** Wednesday, May 11 2016**Notification:** CONSIDERATION OF RESOLUTION(S)
(5) in house calendar.**Short Title:** Congress Streamline Water Project Permit Process**Sponsors:** BROWN & VIGIL / SONNENBERG & BAUMGARDNER**Status:** 04/19/2016 Introduced In House - Assigned to
04/19/2016 House Third Reading Laid Over Daily - No Amendments**Alerts:****Cal. Notif. Action:** CONSIDERATION OF RESOLUTION(S)**Cal. Notif.****Committee:****Cal. Notif. Date:** 2016-05-11**Cal. Notif. Order:** 5**Date Introduced:** 2016-04-19**Status History:** [Status History](#)**HJR16-1023****Pub Input & GA Review Before New Nutrient
Reqmnts****Position:****Calendar** Wednesday, May 11 2016**Notification:** CONSIDERATION OF RESOLUTION(S)
(2) in house calendar.**Short Title:** Pub Input & GA Review Before New Nutrient Reqmnts**Sponsors:** CORAM / SONNENBERG & BAUMGARDNER**Status:** 04/21/2016 Introduced In House - Assigned to
04/21/2016 House Third Reading Laid Over Daily - No Amendments

Alerts:**Cal. Notif. Action:** CONSIDERATION OF RESOLUTION(S)**Cal. Notif.
Committee:****Cal. Notif. Date:** 2016-05-11**Cal. Notif. Order:** 2**Date Introduced:** 2016-04-21**Status History:** [Status History](#)

SB16-037**Public Access Digitally Stored Data Under CORA****Position:** **Oppose****Calendar
Notification:** NOT ON CALENDAR**Short Title:** Public Access Digitally Stored Data Under CORA**Sponsors:** KEFALAS / PABON**Status:**
01/13/2016 Introduced In Senate - Assigned to State, Veterans, & Military Affairs
02/24/2016 Senate Committee on State, Veterans, & Military Affairs Postpone Indefinitely**Alerts:****Cal. Notif. Action:****Cal. Notif.
Committee:****Cal. Notif. Date:****Cal. Notif. Order:****Date Introduced:** 2016-01-13**Status History:** [Status History](#)

SB16-097**Use Mineral Severance Revenue For Local Govts****Position:** **Monitor****Calendar
Notification:** NOT ON CALENDAR**Short Title:** Use Mineral Severance Revenue For Local Govts**Sponsors:** SCOTT / CORAM**Status:**

01/29/2016 Introduced In Senate - Assigned to Agriculture, Natural Resources, & Energy
03/10/2016 Senate Committee on Agriculture, Natural Resources, & Energy Witness Testimony and/or Committee Discussion Only
03/17/2016 Senate Committee on Agriculture, Natural Resources, & Energy Refer Amended to Appropriations
04/15/2016 Senate Committee on Appropriations Refer Unamended to Senate Committee of the Whole
04/20/2016 Senate Second Reading Laid Over Daily - No Amendments
04/21/2016 Senate Second Reading Laid Over Daily - No Amendments
04/22/2016 Senate Second Reading Laid Over Daily - No Amendments
04/25/2016 Senate Second Reading Passed with Amendments - Committee
04/26/2016 Senate Third Reading Passed - No Amendments
04/26/2016 Introduced In House - Assigned to Local Government + Finance
05/04/2016 House Committee on Local Government Refer Unamended to Finance
05/05/2016 House Committee on Finance Postpone Indefinitely

Alerts:**Cal. Notif. Action:****Cal. Notif.
Committee:****Cal. Notif. Date:****Cal. Notif. Order:****Date Introduced:** 2016-01-29**Status History:** [Status History](#)

SB16-128**Amend Augmentation & Substitute Water Supply Plans**

Position:	Oppose
Calendar Notification:	NOT ON CALENDAR
Short Title:	Amend Augmentation & Substitute Water Supply Plans
Sponsors:	HODGE / ARNDT
Status:	02/16/2016 Introduced In Senate - Assigned to Agriculture, Natural Resources, & Energy 03/03/2016 Senate Committee on Agriculture, Natural Resources, & Energy Postpone Indefinitely

Alerts:**Cal. Notif. Action:****Cal. Notif.****Committee:****Cal. Notif. Date:****Cal. Notif. Order:****Date Introduced:** 2016-02-16**Status History:** [Status History](#)

SB16-145**Colorado River District Subdistrict Formation**

Position:	Support
Calendar	NOT ON CALENDAR
Notification:	
Short Title:	Colorado River District Subdistrict Formation
Sponsors:	BAUMGARDNER / MITSCH BUSH
Status:	03/04/2016 Introduced In Senate - Assigned to Agriculture, Natural Resources, & Energy 03/17/2016 Senate Committee on Agriculture, Natural Resources, & Energy Refer Amended - Consent Calendar to Senate Committee of the Whole 03/22/2016 Senate Second Reading Passed with Amendments - Committee 03/24/2016 Senate Third Reading Passed - No Amendments 03/24/2016 Introduced In House - Assigned to Agriculture, Livestock, & Natural Resources 04/06/2016 House Committee on Agriculture, Livestock, & Natural Resources Refer Amended to House Committee of the Whole 04/11/2016 House Second Reading Passed with Amendments - Committee 04/12/2016 House Third Reading Laid Over Daily - No Amendments 04/14/2016 House Third Reading Passed - No Amendments 04/15/2016 Senate Considered House Amendments - Result was to Concur - Repass

Alerts:**Cal. Notif. Action:****Cal. Notif.****Committee:****Cal. Notif. Date:****Cal. Notif. Order:**

Date Introduced: 2016-03-04
Status History: [Status History](#)

SB16-167 **Severance Tax Operational Fund Reserve Reduction**

Position:
Calendar NOT ON CALENDAR
Notification:
Short Title: Severance Tax Operational Fund Reserve Reduction
Sponsors: GRANTHAM / RANKIN
Status:
03/21/2016 Introduced In Senate - Assigned to Appropriations
04/01/2016 Senate Committee on Appropriations Refer Unamended to Senate Committee of the Whole
04/05/2016 Senate Second Reading Passed - No Amendments
04/06/2016 Senate Third Reading Passed - No Amendments
04/06/2016 Introduced In House - Assigned to Appropriations
04/15/2016 House Committee on Appropriations Refer Unamended to House Committee of the Whole
04/15/2016 House Second Reading Special Order - Passed with Amendments - Committee
04/15/2016 House Second Reading Special Order - Passed - No Amendments
04/18/2016 House Third Reading Passed - No Amendments

Alerts:

Cal. Notif. Action:
Cal. Notif.
Committee:
Cal. Notif. Date:
Cal. Notif. Order:
Date Introduced: 2016-03-21
Status History: [Status History](#)

SB16-174 **CO Water Conservation Bd Construction Fund Project**

Position:
Calendar Tuesday, May 10 2016
Notification: THIRD READING OF BILLS - FINAL PASSAGE
(1) in house calendar.
Short Title: CO Water Conservation Bd Construction Fund Project

Sponsors: SONNENBERG / VIGIL

Status:

03/28/2016 Introduced In Senate - Assigned to Agriculture, Natural Resources, & Energy
 03/31/2016 Senate Committee on Agriculture, Natural Resources, & Energy Refer Amended to Appropriations
 04/15/2016 Senate Committee on Appropriations Refer Unamended - Consent Calendar to Senate Committee of the Whole
 04/20/2016 Senate Second Reading Passed with Amendments - Committee
 04/21/2016 Senate Third Reading Laid Over Daily - No Amendments
 04/22/2016 Senate Third Reading Laid Over Daily - No Amendments
 04/26/2016 Senate Third Reading Passed - No Amendments
 04/26/2016 Introduced In House - Assigned to Agriculture, Livestock, & Natural Resources
 05/02/2016 House Committee on Agriculture, Livestock, & Natural Resources Refer Amended to Appropriations
 05/05/2016 House Committee on Appropriations Refer Unamended to House Committee of the Whole
 05/05/2016 House Second Reading Laid Over Daily - No Amendments
 05/08/2016 House Second Reading Passed with Amendments - Committee

Alerts:

Cal. Notif. Action: THIRD READING OF BILLS - FINAL PASSAGE

Cal. Notif. Committee:

Cal. Notif. Date: 2016-05-10

Cal. Notif. Order: 1

Date Introduced: 2016-03-29

Status History: [Status History](#)

SB16-200

Create Director Water Project Permit Coordination

Position:

Calendar Notification: Tuesday, May 10 2016
 SPECIAL ORDERS - SECOND READING OF BILLS
 (3) in house calendar.

Short Title: Create Director Water Project Permit Coordination

Sponsors: SONNENBERG / VIGIL

Status:

04/27/2016 Introduced In Senate - Assigned to Agriculture, Natural Resources, & Energy
05/04/2016 Senate Committee on Agriculture, Natural Resources, & Energy Refer Amended to Appropriations
05/05/2016 Senate Committee on Appropriations Refer Amended to Senate Committee of the Whole
05/05/2016 Senate Second Reading Special Order - Passed with Amendments - Committee
05/06/2016 Senate Third Reading Passed - No Amendments
05/06/2016 Introduced In House - Assigned to State, Veterans, & Military Affairs
05/09/2016 House Committee on State, Veterans, & Military Affairs Refer Amended to House Committee of the Whole
05/09/2016 House Second Reading Laid Over Daily - No Amendments
05/10/2016 House Second Reading Passed with Amendments - Committee

Alerts:

Cal. Notif. Action: SPECIAL ORDERS - SECOND READING OF BILLS

Cal. Notif. Committee:

Cal. Notif. Date: 2016-05-10

Cal. Notif. Order: 3

Date Introduced: 2016-04-27

Status History: [Status History](#)

SJM16-001**Good Samaritan Remediation Abandoned Mines**

Position: **Support**

Calendar Notification: NOT ON CALENDAR

Short Title: Good Samaritan Remediation Abandoned Mines

Sponsors: ROBERTS / CORAM & MITSCH BUSH

Status: 01/13/2016 Introduced In Senate - Assigned to Agriculture, Natural Resources, & Energy

02/11/2016 Senate Committee on Agriculture, Natural Resources, & Energy Refer Amended to Senate Committee of the Whole

02/17/2016 Senate Third Reading Laid Over to 02/19/2016 - No Amendments

02/19/2016 Senate Third Reading Passed with Amendments - Committee

02/25/2016 Introduced In House - Assigned to Agriculture, Livestock, & Natural Resources

03/16/2016 House Committee on Agriculture, Livestock, & Natural Resources Refer Unamended to House Committee of the Whole
03/18/2016 House Third Reading Passed - No Amendments
03/22/2016 Signed by the President of the Senate
03/30/2016 Signed by the Speaker of the House

Alerts:**Cal. Notif. Action:****Cal. Notif.
Committee:****Cal. Notif. Date:****Cal. Notif. Order:****Date Introduced:** 2016-01-13**Status History:** [Status History](#)**SJM16-002****Federal Funding For Catastrophic Wildfire Response****Position:** **Support****Calendar
Notification:** NOT ON CALENDAR**Short Title:** Federal Funding For Catastrophic Wildfire Response**Sponsors:** JONES & ROBERTS / CORAM & VIGIL**Status:**
01/13/2016 Introduced In Senate - Assigned to Agriculture, Natural Resources, & Energy
01/21/2016 Senate Committee on Agriculture, Natural Resources, & Energy Refer Unamended to Senate Committee of the Whole
01/22/2016 Senate Third Reading Laid Over Daily - No Amendments
01/26/2016 Introduced In House - Assigned to
01/26/2016 Senate Third Reading Passed with Amendments - Floor
02/03/2016 House Committee on Agriculture, Livestock, & Natural Resources Refer Unamended to House Committee of the Whole
02/05/2016 House Third Reading Passed - No Amendments
02/12/2016 Signed by the President of the Senate
02/12/2016 Signed by the Speaker of the House**Alerts:****Cal. Notif. Action:****Cal. Notif.
Committee:****Cal. Notif. Date:****Cal. Notif. Order:**

Date Introduced: 2016-01-13
Status History: [Status History](#)

SJR16-003 **Water Projects Eligibility Lists**

Position: **Support**
Calendar NOT ON CALENDAR
Notification:
Short Title: Water Projects Eligibility Lists
Sponsors: SONNENBERG / VIGIL
Status:
01/20/2016 Introduced In Senate - Assigned to Agriculture, Natural Resources, & Energy
01/28/2016 Senate Committee on Agriculture, Natural Resources, & Energy Refer Unamended to Senate Committee of the Whole
02/02/2016 Senate Third Reading Passed - No Amendments
02/03/2016 Introduced In House - Assigned to Agriculture, Livestock, & Natural Resources
02/08/2016 House Committee on Agriculture, Livestock, & Natural Resources Refer Unamended to House Committee of the Whole
02/10/2016 House Third Reading Passed - No Amendments
02/12/2016 Signed by the President of the Senate
02/12/2016 Signed by the Speaker of the House
02/12/2016 Sent to the Governor
02/18/2016 Governor Signed

Alerts:

Cal. Notif. Action:
Cal. Notif.
Committee:
Cal. Notif. Date:
Cal. Notif. Order:
Date Introduced: 2016-01-20
Status History: [Status History](#)

Bill No.	Short Title	CWC Position	Introduced	First House				Second House				First House Repass	Conference Committee	Governor
				1st Committee	2nd Committee	2nd Reading	3rd Reading	1st Committee	2nd Committee	2nd Reading	3rd Reading			
HB16-1004	Measurable Goals Deadlines CO Climate Action Plan	Oppose	HIE 1/13	HIE 2/4		2/8	2/9	3/4	Ag PI 3/30					
HB16-1005	Residential Precipitation Collection	No Position	Ag 1/13	Ag 2/22		2/29		3/4	Ag 3/30		3/31	4/1		
HB16-1019	Broadcast Burns Watershed Protection	Monitor	Ag 1/13	Ag 1/27		2/1	2/2	2/3	Ag 2/25		3/1	3/2	3/3	3/22
HB16-1109	Application of State Water Law to Federal Agencies	Support	Ag 1/20	Ag 3/7		3/28	3/29	3/29	Ag 3/30		3/31	4/1		4/21
HB16-1228	Ag Protection Water Right Transfer Mechanism	Support	Ag 2/4	Ag 3/14		3/21	3/22	3/22	Ag 4/20		4/22	4/25		
HB16-1255	Manage Forests to Improve Water Supply Conditions	Monitor	Ag 2/8	Ag 2/29		3/2	3/8	3/9	Ag 3/24		3/29	3/30	4/1	4/21
HB16-1256	South Platte Water Storage Study	Support	Ag 2/8	Ag 3/7	Ap 4/7	4/12	4/14	4/14	Ag 4/21	Ap 4/27 @ 8:00am				
HB16-1283	Water Loss Audit Report Performance Standards	Oppose	Ag 2/19	Ag 4/4 PI										
HB16-1313	Authority of Local Govt Master plan Include Water Plan Goal	No Position	Ag 3/2	Ag 4/13		4/15	4/20	4/20	SVMA 5/2 @ 1:30					
HB16-1314	Treat Preexisting Groundwater Depletions Replaced	Oppose	Ag 3/2	Ag 4/4 PI										
HB16-1315	Allow Seaplanes in State Parks like Motorboats	Oppose	TE 3/2	TE 4/13 PI										
HB16-1337	Appellate Process for Decisions About Groundwater	No Position	Ag 3/3	Ag 3/28		3/31	4/1	4/20	SJ 4/26 PI					
HB16-1382	Divert Water Piscatorial Aesthetic Beneficial Use		Ag 3/16	Ag 4/4 PI										
HB16-1392	Water Banks Administration		Ag 3/17	Ag 4/11 PI										

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CWC State Affairs 2016 Bill Status Sheet

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			
HB16-1413	Refinance Water Pollution Control Program		Ap 3/2	Ap 3/29		3/31	4/1	4/1	Ap 4/4		4/6	4/7				
HB16-1433	Retain and Spend Severance Tax Revenues For Reserve Fund	Support	F 4/5	F 4/27 @ 1:30												
HJR16-1002	Dam Restoration Access to Federal Lands	Support	Ag 1/13	Ag 1/27		2/4	2/5				2/8					
HJR16-1021	Congress Streamline Water Project Permit Process		4/19													
HJR16-1023	Pub Input & GA Review Before New Nutrient Reqmts	No Position	4/21													
SB16-037	Public Access Digitally Stored Data Under CORA	Oppose	SVMA 1/13	SVMA 2/24 PI												
SB16-097	Use Mineral Severance Revenue for Local Govts	Monitor	Ag 1/29	Ag 3/17	Ap 4/15	4/25	4/26									
SB16-128	Amend Augmentation and Substitute Water Supply Plans	Oppose	Ag 2/16	Ag 3/3 PI												
SB16-145	Colorado River District Subdistrict Formation	Support	Ag 3/4	Ag 3/17 @ 1:30		3/22	3/24	3/24	Ag 4/6	4/11	4/12	4/14	4/15			
SB16-167	Severance Tax Operational Fund Reserce Reduction	Support	Ap 3/21	Ap 4/1		4/5	4/6	4/6	4/15		4/15	4/18				
SB16-174	CWCB Construction Fund Project	Support	3/28	Ag 3/31	Ap 4/15	4/20	4/26									
SJR16-001	Good Samaritan Remediation Abandoned Mines	Support	Ag 1/13	Ag 2/11		2/19	2/25	Ag 3/16 @ UA			3/18					
SJM16-002	Federal Funding for Catastrophic Wildfire Response	Support	Ag 1/13	Ag 1/21		1/26	1/26	Ag 2/3			2/5					
SJR16-003	Water Projects Eligibility Lists	Support	Ag 1/20	Ag 1/28		2/2	2/3	Ag 2/8			2/10		2/18			

CWC State Affairs 2016 Bill Status Sheet

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			



CITY OF LOVELAND
WATER & POWER DEPARTMENT
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AGENDA ITEM: 13

MEETING DATE: 5/18/2016

SUBMITTED BY: Larry Howard, Senior Civil Engineer

TITLE: Water Supply Update

DESCRIPTION:

Projection for raw water supply in 2016.

SUMMARY:

Attachment A is the Snow–Water Equivalent chart for Bear Lake station as of May 20, 2016. Water Resources Staff generated this chart to show a range of low, median, and high years as well as the current year-to-date snow accumulation for the Bear Lake SNOTEL station in the Big Thompson Watershed. Snowpack for the Bear Lake station continues to chart along average or median values.

Attachment B is the snow updates from SNOTEL sites in the South Platte River Basin and the Upper Colorado River Basin.

Attachment C shows snowpack and streamflow comparisons as of May 1, 2016 throughout the CBT system as produced by Northern Water. Snow water content on the Upper Colorado was 105% with streamflow forecast of 100%. Big Thompson River content was 97% with streamflow forecast of 96%.

Long range forecasts do not currently indicate any drier than normal conditions setting up for the spring, but that can always change.

RECOMMENDATION:

Information item only. No action required.

REVIEWED BY DIRECTOR:

ATTACHMENTS:

- **Attachment A:** Snow–Water Equivalent Chart for Bear Lake SNOTEL Station
- **Attachment B:** Snowpack Updates for South Platte Basin and Upper Colorado
- **Attachment C:** May 1, 2016 Northern Water's Snowpack and Streamflow Comparisons

Attachment A

Snow Update

Based on Data from NRCS SNOTEL Sites

5/9/2016

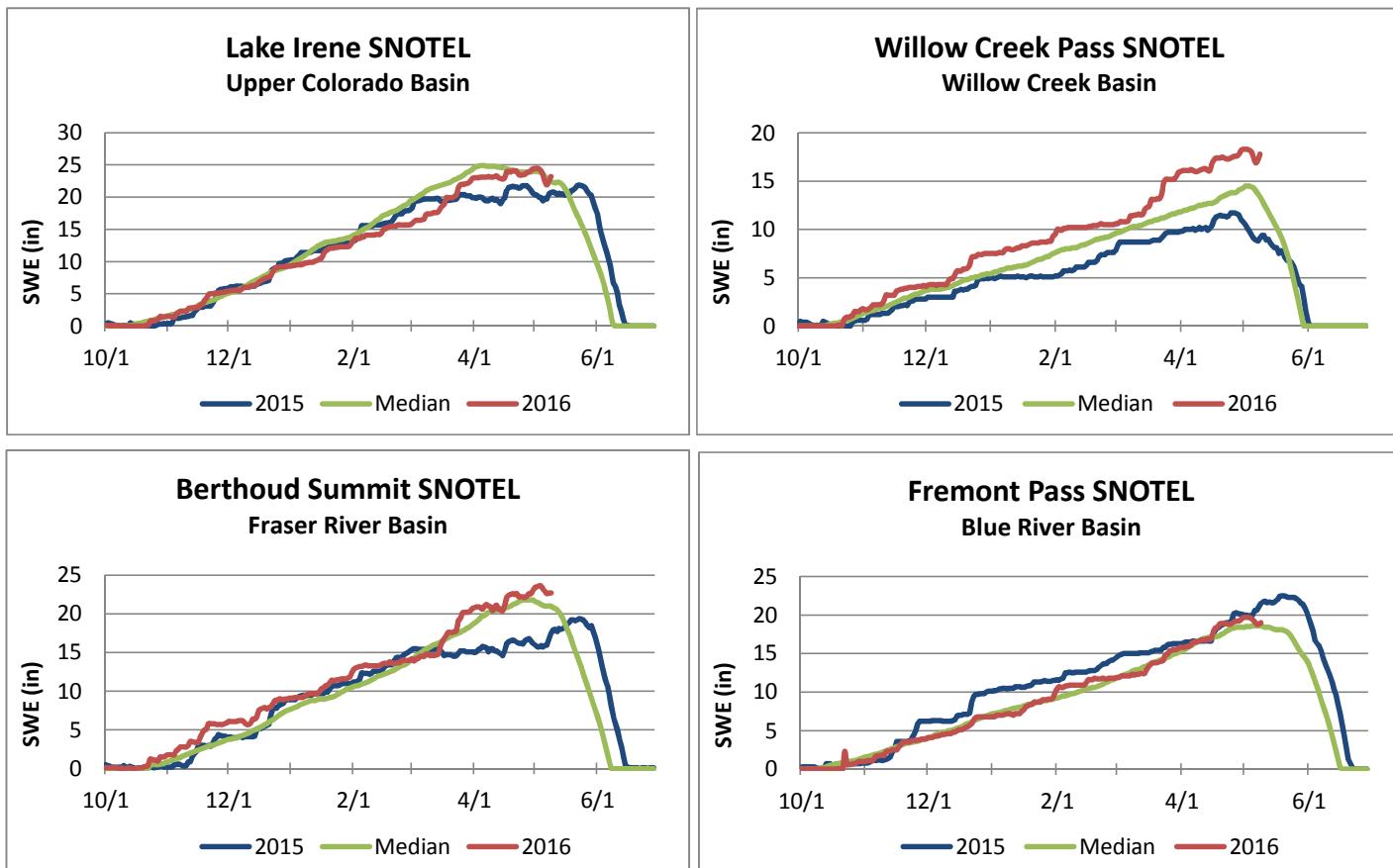
Upper Colorado River Basin					
Station Name	Basin	Elevation (ft)	Snow Water Equivalent (SWE)		
			Current (in)	Last Year (in)	Median (in) ¹
Berthoud Summit	Fraser	11,300	22.7	16.7	21
Fool Creek	Fraser	11,150	24	19.7	--
Fremont Pass	Blue	11,400	19	21.1	18.6
Grizzly Peak	Blue	11,100	16.2	14.9	13.9
High Lonesome	Upper Colorado	10,620	22.3	14.5	--
Hoosier Pass	Blue ²	11,400	18.3	18.9	14
Jones Pass	Fraser ²	10,400	17.4	13.7	14.2
Lake Irene	Upper Colorado	10,700	23.2	20.5	22.6
Never Summer	Willow Creek ²	9,540	23.4	17.3	22.1
Phantom Valley	Upper Colorado	9,030	5.2	0.3	1.4
Stillwater Creek	Upper Colorado	8,720	0.9	0.1	0
Willow Creek Pass	Willow Creek	9,540	17.8	8.8	13.7

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

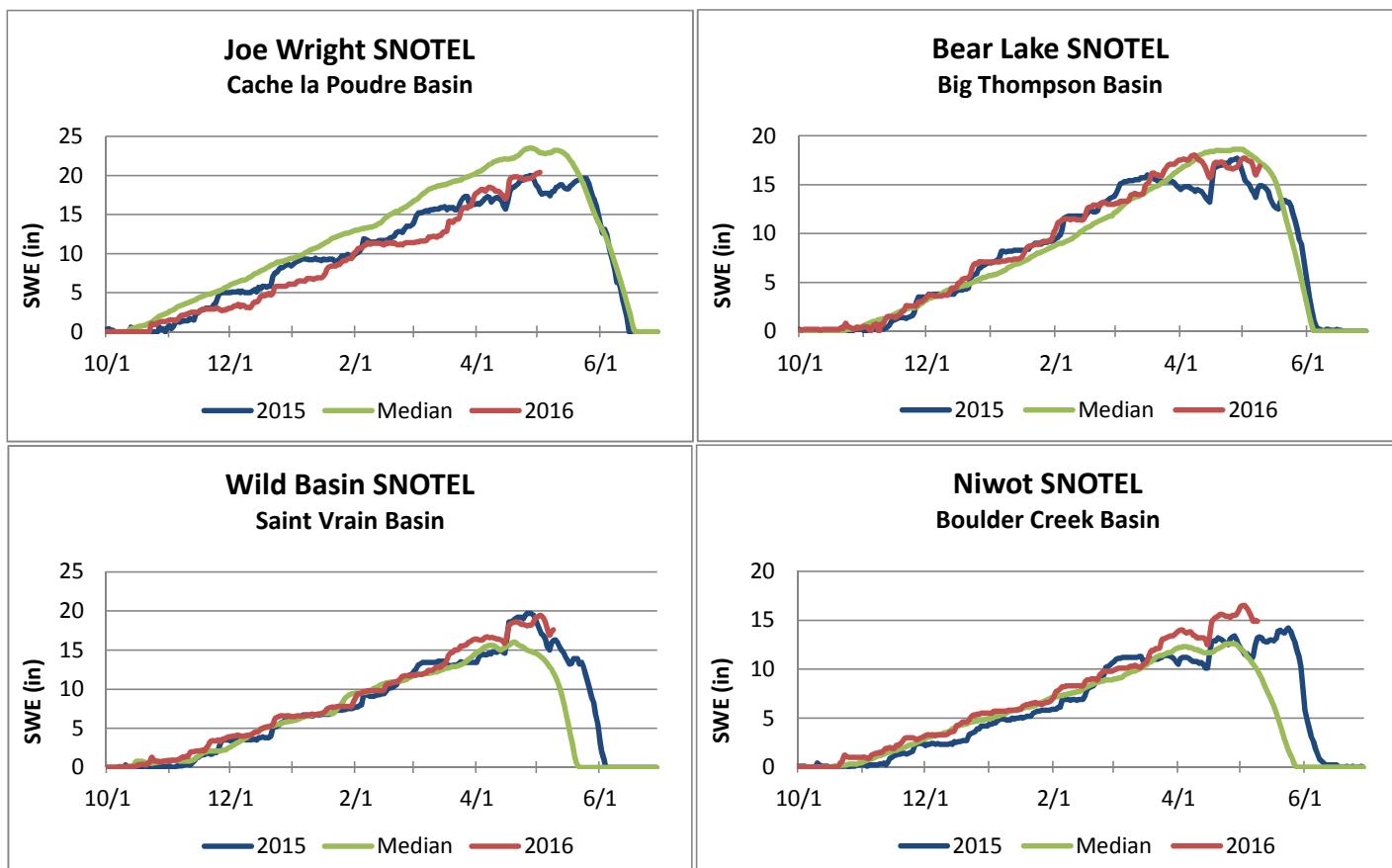
5/9/2016

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	16.9	14.6	17.5
Copeland Lake	Saint Vrain	8,600	0	0.6	0
Deadman Hill	Cache la Poudre	10,220	23.9	16.8	18.6
Hourglass Lake	Cache la Poudre	9,380	14.1	10.5	--
Joe Wright	Cache la Poudre	10,120	NA	17.9	23
Lake Eldora	Boulder Creek	9,700	6.8	4.6	3.6
Niwot	Boulder Creek	9,910	14.9	12.5	10.2
University Camp	Boulder Creek	10,300	21.1	19.6	18.4
Wild Basin	Saint Vrain	9,560	17.6	15.9	12.6
Willow Park	Big Thompson	10,700	20.7	17.8	17.6

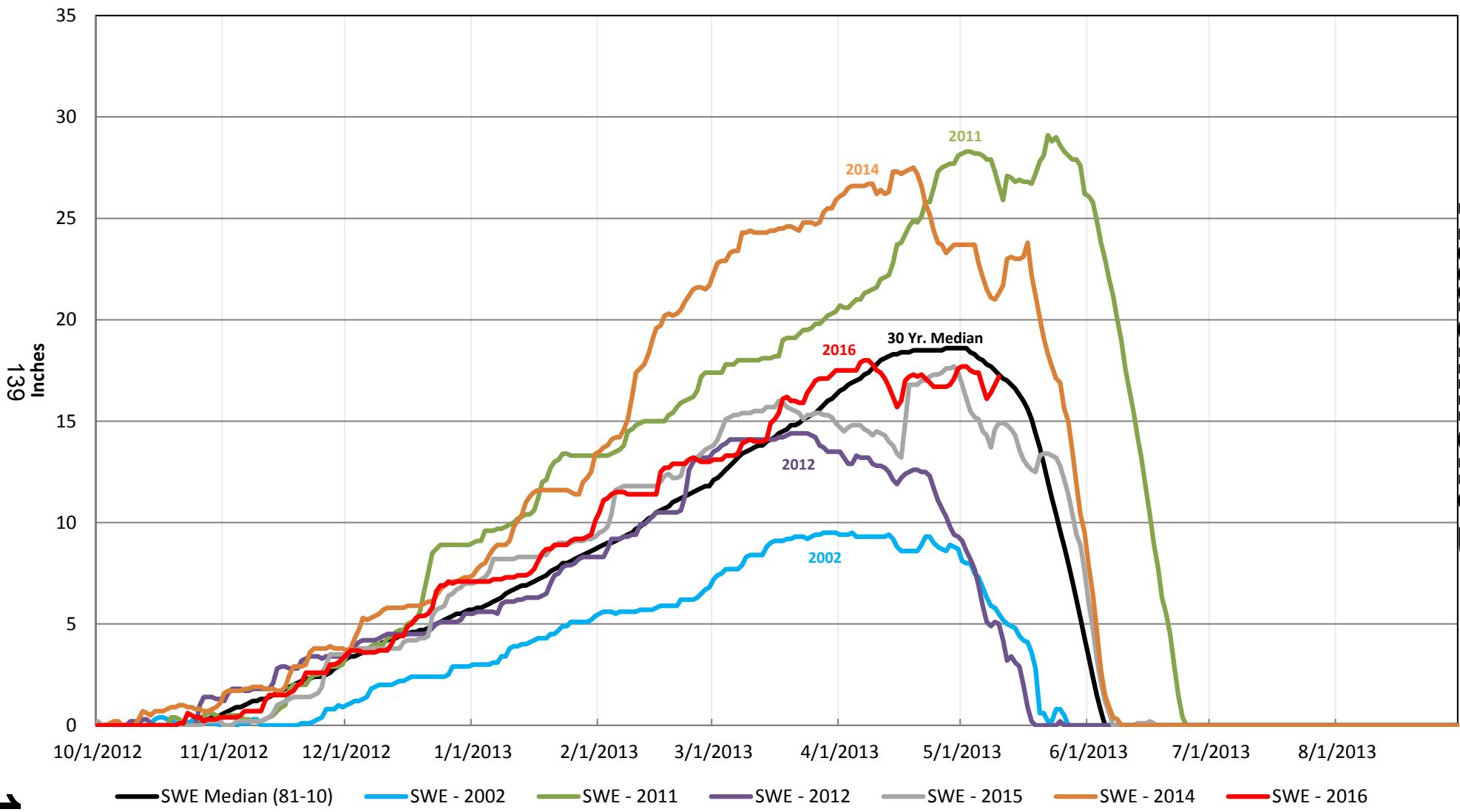
¹ Median Snow Water Equivalent (1981-2010)

Notes:

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



Snow - Water Equivalent at Bear Lake May 10, 2016



Attachment C

Snowpack and Streamflow Comparisons May 1, 2016



Snow Water Content

% of Average

Colorado's Statewide Snowpack	104%
Upper Colorado River ⁽¹⁾	116%
South Platte Tributaries ⁽²⁾	110%

Snow-Water Content Comparisons (inches)

Watershed	May 1, 2016 Snow-Water Content			May 1 Comparative Snow-Water Content			
	2016	Average	% Avg	2015	2014	2013	2002
Blue River	16.0	14.1	113%	99%	137%	99%	32%
Upper Colorado River	16.0	15.3	105%	82%	136%	91%	35%
Willow Creek	11.2	8.6	131%	66%	116%	136%	37%
Fraser River	17.6	15.5	114%	77%	124%	99%	32%
Poudre River	14.3	14.3	100%	77%	126%	91%	46%
Big Thompson River	14.9	15.3	97%	91%	123%	95%	37%
St. Vrain River	12.6	11.1	113%	101%	131%	98%	11%
Boulder Creek	14.3	10.9	131%	103%	144%	107%	14%

Apr-Jul Maximum, Minimum and Most Probable Streamflow Forecasts (1000 af)

Watershed	Forecast Minimum	Most Probable	Forecast Maximum	Apr-Jul Avg ⁽³⁾	Most Prob % Average
Blue River	240	295	355	275	107%
Upper Colorado River	172	221	267	220	100%
Willow Creek	38	53	69	47	113%
Fraser River	100	130	164	117	111%
Poudre River	160	220	299	225	98%
Big Thompson River	63	86	118	90	96%
St. Vrain River	65	90	123	88	102%
Boulder Creek	45	57	73	54	106%
South Platte Tributaries		453		457	99%

Precipitation within District Boundaries ⁽⁴⁾

	Totals	Average	% Average
April	2.29	1.73	132%
Nov-Apr	6.97	4.65	150%

(1) Includes the Colorado, Willow Creek, Fraser and Blue River Watersheds
 (2) Includes the Poudre, Big Thompson, Saint Vrain and Boulder Creek Watersheds
 (3) Average for the period 1981-2010
 (4) Computed using CoCoRaHS and Northern Water Stations



CITY OF LOVELAND
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AGENDA ITEM: 14

MEETING DATE: 5/18/2016

SUBMITTED BY: Jim Lees, Utility Accounting Manager

TITLE: Financial Report Update

DESCRIPTION:

This item summarizes the monthly and year-to-date Preliminary financials for April 2016.

SUMMARY:

The April 2016 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 2015. The summarized and detailed monthly financial statements that compare April Year-To-Date actuals to the 2016 budgeted figures are attached.

	April				April Year-To-Date			
	2016	2015	\$ Ovr/(Und)	% Ovr/(Und)	2016	2015	\$ Ovr/(Und)	% Ovr/(Und)
		vs. 2015	vs. 2015			vs. 2015	vs. 2015	
WATER								
Sales	\$736,341	\$728,839	\$7,502	1.0%	\$2,851,989	\$2,721,520	\$130,469	4.8%
Operating Expenses	\$784,489	\$1,399,061	(\$614,572)	-43.9%	\$3,820,003	\$4,453,145	(\$633,142)	-14.2%
Capital (Unrestricted)	\$441,533	\$789,819	(\$348,285)	-44.1%	\$1,252,351	\$3,041,738	(\$1,789,387)	-58.8%
WASTEWATER								
Sales	\$775,922	\$702,835	\$73,087	10.4%	\$3,174,420	\$2,913,958	\$260,461	8.9%
Operating Expenses	\$615,295	\$531,421	\$83,874	15.8%	\$1,951,635	\$1,998,991	(\$47,355)	-2.4%
Capital (Unrestricted)	\$143,213	\$643,737	(\$500,524)	-77.8%	\$509,597	\$1,085,742	(\$576,144)	-53.1%
POWER								
Sales	\$4,347,881	\$4,045,808	\$302,074	7.5%	\$18,150,966	\$17,375,159	\$775,807	4.5%
Operating Expenses	\$3,721,519	\$3,655,425	\$66,094	1.8%	\$15,679,373	\$15,495,488	\$183,886	1.2%
Capital (Unrestricted)	\$922,178	\$469,728	\$452,450	96.3%	\$2,257,864	\$1,749,901	\$507,963	29.0%

RECOMMENDATION:

Staff report only. No action required.

REVIEWED BY DIRECTOR:

LIST OF ATTACHMENTS:

- City of Loveland Financial Statement-Raw Water
- City of Loveland Financial Statement-Water
- City of Loveland Financial Statement-Wastewater
- City of Loveland Financial Statement-Power

City of Loveland
Financial Statement-Raw Water
For Period Ending 04/30/2016
Preliminary as of 4/30/2016

	* TOTAL BUDGET FYE 12/31/2016	* YTD ACTUAL	YTD BUDGET	OVER <UNDER>	OVER VARIANCE
1 REVENUES & SOURCES					
2 Hi-Use Surcharge	* 52,500	* 2,630	17,520	(14,890)	-85.0%
3 Raw Water Development Fees/Cap Rec Surcharge	* 337,610	* 117,093	142,420	(25,327)	-17.8%
4 Cash-In-Lieu of Water Rights	* 250,000	* 109,554	83,320	26,234	31.5%
5 Native Raw Water Storage Fees	* 5,000	* 23,484	1,670	21,814	1306.2%
6 Loan Payback from Water	* 134,000	* 0	16,750	(16,750)	-100.0%
7 Raw Water 1% Transfer In	* 396,080	* 85,560	85,270	290	0.3%
8 Interest on Investments	* 237,270	* 53,181	79,080	(25,899)	-32.8%
9 TOTAL REVENUES & SOURCES	* 1,412,460	* 391,502	426,030	(34,528)	-8.1%
10 OPERATING EXPENSES					
11 Loan to Water	* 9,000,000	* 0	9,000,000	(9,000,000)	-100.0%
12 Windy Gap Payments	* 856,080	* 856,023	856,080	(57)	0.0%
13 TOTAL OPERATING EXPENSES	* 9,856,080	* 856,023	9,856,080	(9,000,057)	-91.3%
14 NET OPERATING REVENUE/(LOSS) (excl depr)	* (8,443,620)	* (464,521)	(9,430,050)	8,965,529	-95.1%
15 RAW WATER CAPITAL EXPENDITURES	* 2,620,820	* 1,118,956	669,450	449,506	67.1%
16 ENDING CASH BALANCES					
17 Total Available Funds	* *	* 11,230,451			
18 Reserve - Windy Gap Cash	* *	* 1,703,558			
19 Reserve - 1% Transfer From Rates	* *	* 5,152,418			
20 Reserve - Native Raw Water Storage Interest	* *	* 1,591,444			
21 TOTAL RAW WATER CASH	* *	* 19,677,871			
22 MINIMUM BALANCE (15% OF OPER EXP)	* *	* 1,478,412			
23 OVER/(UNDER) MINIMUM BALANCE	* *	* 18,199,459			

NOTE: YTD ACTUAL DOES NOT INCLUDE ENCUMBRANCES TOTALING:

City of Loveland
Financial Statement-Water
For Period Ending 04/30/2016
Preliminary as of 4/30/2016

	TOTAL BUDGET		OVER		
	* FYE 12/31/2016	* YTD ACTUAL	YTD BUDGET	<UNDER>	VARIANCE
1 **UNRESTRICTED FUNDS**					
2 REVENUES & SOURCES					
3 Water Sales	13,202,610	2,851,989	2,842,080	9,909	0.3%
4 Raw Water Transfer Out	(396,080)	(85,560)	(85,270)	(290)	0.3%
5 Wholesale Sales	137,200	9,160	8,010	1,150	14.4%
6 Meter Sales	51,530	32,245	8,690	23,555	271.1%
7 Interest on Investments	88,560	20,828	29,520	(8,692)	-29.4%
8 Other Revenue	1,415,760	91,809	423,790	(331,981)	-78.3%
9 Federal and State Grants	1,560,135	861,269	1,560,135	(698,866)	-44.8%
10 Internal Loan Monies Received	1,753,832	750,000	1,252,192	(502,192)	-40.1%
11 External Loan Monies Received	2,793,406	1,900,330	2,793,406	(893,076)	-32.0%
12 TOTAL REVENUES & SOURCES	20,606,953	6,432,070	8,832,553	(2,400,483)	-27.2%
13 OPERATING EXPENSES					
14 Source of Supply	3,304,490	507,826	1,493,263	(985,437)	-66.0%
15 Treatment	3,026,475	732,559	934,405	(201,846)	-21.6%
16 Distribution Operation & Maintenance	3,556,266	836,910	1,254,490	(417,580)	-33.3%
17 Administration	530,775	132,546	162,629	(30,083)	-18.5%
18 Customer Relations	339,276	74,184	108,990	(34,806)	-31.9%
19 PILT	896,460	193,650	199,845	(6,195)	-3.1%
20 1% for Arts Transfer	61,019	26,913	34,757	(7,844)	-22.6%
21 Services Rendered-Other Departments	1,147,987	355,290	389,445	(34,155)	-8.8%
22 Internal Loan Debt Expense	817,500	796,620	817,500	(20,880)	-2.6%
23 External Loan Debt Expense	292,151	163,504	245,531	(82,027)	-33.4%
24 TOTAL OPERATING EXPENSES	13,972,399	3,820,003	5,640,855	(1,820,852)	-32.3%
25 NET OPERATING REVENUE/(LOSS)(excl depr)	6,634,554	2,612,068	3,191,698	(579,630)	-18.2%
26 CAPITAL EXPENDITURES	5,303,696	1,252,351	3,978,458	(2,726,107)	-68.5%
27 ENDING CASH BALANCE			8,381,627		
28 WATER DEBT FUNDS ENDING CASH BALANCE			112,903		
29 MINIMUM BALANCE (15% OF OPER EXP)			2,095,860		
30 OVER/(UNDER) MINIMUM BALANCE			6,285,767		
31 **RESTRICTED FUNDS**					
32 REVENUES & SOURCES					
33 SIF Collections	2,079,620	664,492	563,530	100,962	17.9%
34 SIF Interest Income	52,670	5,565	15,530	(9,965)	-64.2%
35 SIF Federal and State Grants	937,440	520,691	937,440	(416,749)	-44.5%
36 Internal Loan Monies Received	8,000,000	0	8,000,000	(8,000,000)	-100.0%
37 TOTAL SIF REVENUES & SOURCES	11,069,730	1,190,748	9,516,500	(8,325,752)	-87.5%
38 SIF Capital Expenditures	4,418,493	1,568,259	3,896,253	(2,327,994)	-59.7%
39 1% for Arts Transfer	97,229	0	44,377	(44,377)	-100.0%
40 Internal Loan Debt Expense	0	0	0	0	0.0%
41 SIF ENDING CASH BALANCE			2,204,724		
42 TOTAL ENDING CASH BALANCE			10,586,351		
NOTE: YTD ACTUAL DOES NOT INCLUDE ENCUMBRANCES TOTALING:			6,251,229		
43 Water Treated at WTP (in million gallons)			789		
44 Water Sold To Customers (in million gallons, includes Ranch Water & Hydrant Sales)	3,795	589	624	(36)	-5.8%

City of Loveland-LIVE
Financial Statement-Wastewater

For Period Ending 04/30/2016

Preliminary as of 4/30/2016

	TOTAL BUDGET	OVER			
	* FYE 12/31/2016	* YTD ACTUAL	YTD BUDGET	<UNDER>	VARIANCE
1 **UNRESTRICTED FUNDS**					
3 Sanitary Sewer Charges	*	10,142,610	*	3,174,420	3,272,570
4 High Strength Surcharge	*	358,330	*	110,541	107,160
5 Interest on Investments	*	103,760	*	27,812	34,600
6 Other Revenue	*	127,160	*	78,897	61,130
7 Bond Proceeds	*	16,000,000	*	0	0
8 Federal Grants	*	148,787	*	36,592	148,787
9 State Grants	*	1,174,501	*	171,211	841,181
10 TOTAL REVENUES & SOURCES	*	28,055,148	*	3,599,473	4,465,428
11 OPERATING EXPENSES					
12 Treatment	*	3,600,906	*	955,882	1,179,324
13 Collection System Maintenance	*	2,661,141	*	498,588	917,014
14 Administration	*	380,718	*	81,874	101,937
15 Customer Relations	*	40,822	*	11,253	12,650
16 PILT	*	735,070	*	229,947	233,218
17 1% for Arts Transfer	*	176,935	*	2,861	122,455
18 Services Rendered-Other Departments	*	749,891	*	171,230	253,763
19 TOTAL OPERATING EXPENSES	*	8,345,483	*	1,951,635	2,820,361
20 NET OPERATING REVENUE/(LOSS)(excl depr)	*	19,709,665	*	1,647,837	1,645,067
21 CAPITAL EXPENDITURES					
22 ENDING CASH BALANCE	*	19,819,871	*	509,597	2,919,920
23 MINIMUM BALANCE (15% OF OPER EXP)				10,859,454	
24 OVER/(UNDER) MINIMUM BALANCE				1,251,822	
25 **RESTRICTED FUNDS**					
26 REVENUES & SOURCES					
27 SIF Collections	*	1,517,660	*	334,602	550,970
28 SIF Interest Income	*	108,410	*	21,496	36,120
29 SIF Bond Proceeds	*	8,900,000	*	0	0
30 TOTAL SIF REVENUES & SOURCES	*	10,526,070	*	356,098	587,090
31 SIF Capital Expenditures					
32 1% for Arts Transfer	*	10,949,788	*	224,586	463,591
33 SIF ENDING CASH BALANCE				(239,005)	-51.6%
TOTAL ENDING CASH BALANCE				54,634	(52,876)
					-96.8%
				8,197,300	
				19,056,754	

NOTE: YTD ACTUAL DOES NOT INCLUDE
 ENCUMBRANCES TOTALING

4,327,549

34 Wastewater Treated at WWTP (in million gallons)	*	N/A	*	781	N/A
35 Wastewater Billed To Customers (in million gallons)	*	1,806	*	535	567

(32) -5.7%

City of Loveland
Financial Statement-Power
For Period Ending 4/30/2016

Preliminary as of 4/30/2016

	TOTAL BUDGET	YTD ACTUAL	YTD BUDGET	OVER <UNDER>	VARIANCE
UNRESTRICTED FUNDS					
1 REVENUES & SOURCES:					
2 Electric revenues	\$58,665,860	\$18,150,966	\$17,706,370	\$444,596	2.5%
3 Wheeling charges	\$240,000	\$72,039	\$80,000	(\$7,961)	-10.0%
4 Interest on investments	\$256,680	\$54,065	\$85,560	(\$31,495)	-36.8%
5 Aid-to-construction deposits	\$1,530,000	\$413,361	\$510,000	(\$96,639)	-18.9%
6 Customer deposit-services	\$260,000	\$84,759	\$86,667	(\$1,908)	-2.2%
7 Late Payment Penalty Fees	\$415,000	\$168,780	\$138,333	\$30,447	22.0%
8 Connect Fees	\$160,000	\$51,621	\$53,333	(\$1,712)	-3.2%
9 Services rendered to other depts.	\$5,890	\$0	\$1,963	(\$1,963)	-100.0%
10 Other revenues	\$387,220	\$170,001	\$129,073	\$40,928	31.7%
11 Federal Grants	\$3,500,000	\$0	\$1,166,667	(\$1,166,667)	-100.0%
12 State Grants	\$0	\$0	\$0	\$0	0.0%
13 Year-end cash adjustments	\$0	\$0	\$0	\$0	0.0%
14 TOTAL REVENUES & SOURCES	\$65,420,650	\$19,165,592	\$19,957,967	(\$792,375)	-4.0%
15 OPERATING EXPENSES:					
16 Hydro oper. & maint.	\$5,842,549	\$17,365	\$2,022,421	(\$2,005,056)	-99.1%
17 Purchased power	\$42,673,764	\$12,083,384	\$12,507,612	(\$424,228)	-3.4%
18 Distribution oper. & maint.	\$6,673,658	\$1,059,826	\$2,310,112	(\$1,250,286)	-54.1%
19 Customer Relations	\$1,305,442	\$320,827	\$451,884	(\$131,057)	-29.0%
20 Administration	\$841,837	\$189,599	\$291,405	(\$101,807)	-34.9%
21 Payment in-lieu-of taxes	\$4,120,990	\$1,256,043	\$1,331,080	(\$75,037)	-5.6%
22 1% for Arts Transfer	\$86,060	\$0	\$27,797	(\$27,797)	-100.0%
23 Services rendered-other depts.	\$2,184,721	\$752,330	\$728,240	\$24,090	3.3%
24 TOTAL OPERATING EXPENSES (excl depn)	\$63,729,021	\$15,679,373	\$19,670,552	(\$3,991,178)	-20.3%
25 NET OPERATING REVENUE/(LOSS) (excl depn)	\$1,691,629	\$3,486,218	\$287,415	\$3,198,803	\$0
26 CAPITAL EXPENDITURES:					
27 General Plant/Other Generation & Distribution	\$13,700,486	\$1,766,211	\$4,728,012	(\$2,961,801)	-62.6%
28 Aid-to-construction	\$1,530,000	\$401,931	\$529,615	(\$127,684)	-24.1%
29 Service installations	\$290,000	\$89,722	\$100,385	(\$10,663)	-10.6%
30 TOTAL CAPITAL EXPENDITURES	\$15,520,486	\$2,257,864	\$5,358,012	(\$3,100,148)	-57.9%
31 ENDING CASH BALANCE		\$21,393,548			
32 MINIMUM BAL. (15% of OPER EXP excl depn)		\$9,559,353			
33 OVER/(UNDER) MINIMUM BALANCE		\$11,834,195			
34 **RESTRICTED FUNDS**					
35 PIF Collections	\$2,741,830	\$780,171	\$685,458	\$94,713	13.8%
36 PIF Interest Income	\$45,850	\$9,005	\$11,463	(\$2,457)	-21.4%
37 Water Loan Payback	\$913,050	\$796,620	\$913,050	(\$116,430)	-12.8%
38 Federal Grants	\$4,434,516	\$0	\$1,108,629	(\$1,108,629)	-100.0%
39 State Grants	\$0	\$0	\$0	\$0	0.0%
40 TOTAL REVENUES	\$8,135,246	\$1,585,796	\$2,718,599	(\$1,132,803)	-41.7%
41 PIF Feeders	\$2,800,000	\$336,268	\$753,846	(\$417,578)	-55.4%
42 PIF Substations	\$6,768,018	\$5,001	\$1,692,005	(\$1,687,004)	-99.7%
43 TOTAL EXPENDITURES	\$9,568,018	\$341,269	\$2,445,851	(\$2,104,582)	-86.0%
44 ENDING PIF CASH BALANCE		\$3,873,952			
45 TOTAL ENDING CASH BALANCE		\$25,267,500			

NOTE: YTD ACTUAL does NOT include encumbrances totalling \$10,996,925.

46 Energy Purchased (in million kWh) from PRPA	742	230	233	(2)	1.2%
47 Energy Sold to Customers (in million kWh)	713	227	227	(0)	0.0%

