



LOVELAND UTILITIES COMMISSION REGULAR MEETING

April 15, 2015 - 4:00 p.m.

**Public Works Administration Building
Upper Conference Rooms 2525 W. 1st St.**



AGENDA

4:00 pm - **CALL TO ORDER**

4:05 pm - **APPROVAL OF MINUTES - 3/18/2015**

NEW EMPLOYEE INTRODUCTION – Troy Miles, Tim Slama, Ben Hornung

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 Conference Room. Please limit comments to no more than three minutes.

4:10 pm - **CONSENT AGENDA**

1. 2015 1st Quarter Goal Updates Report – Steve Adams

4:15 pm - **STAFF REPORT**

2. Update on LED street lighting – Christine Schraeder
3. FEMA Alternate Project Update – Bob Miller and Brieana Reed-Harmel
4. Raw Water Firm Yield Discussion – Greg Dewey and Larry Howard
5. Water Treatment Plant Expansion Project Update – Tom Greene
6. Financial Report Update – Jim Lees

5:30 pm - 7. **COMMISSION / COUNCIL REPORTS**

- Colorado Water Stewardship Project Public Trust Initiatives Webinar - April 7, 2015
- Northern Water's Spring Water Users Meeting - April 8, 2015
- Northern Water Workshop - April 15, 2015

5:45 pm - 8. **DIRECTOR'S REPORT** – Separate Document

INFORMATION ITEMS

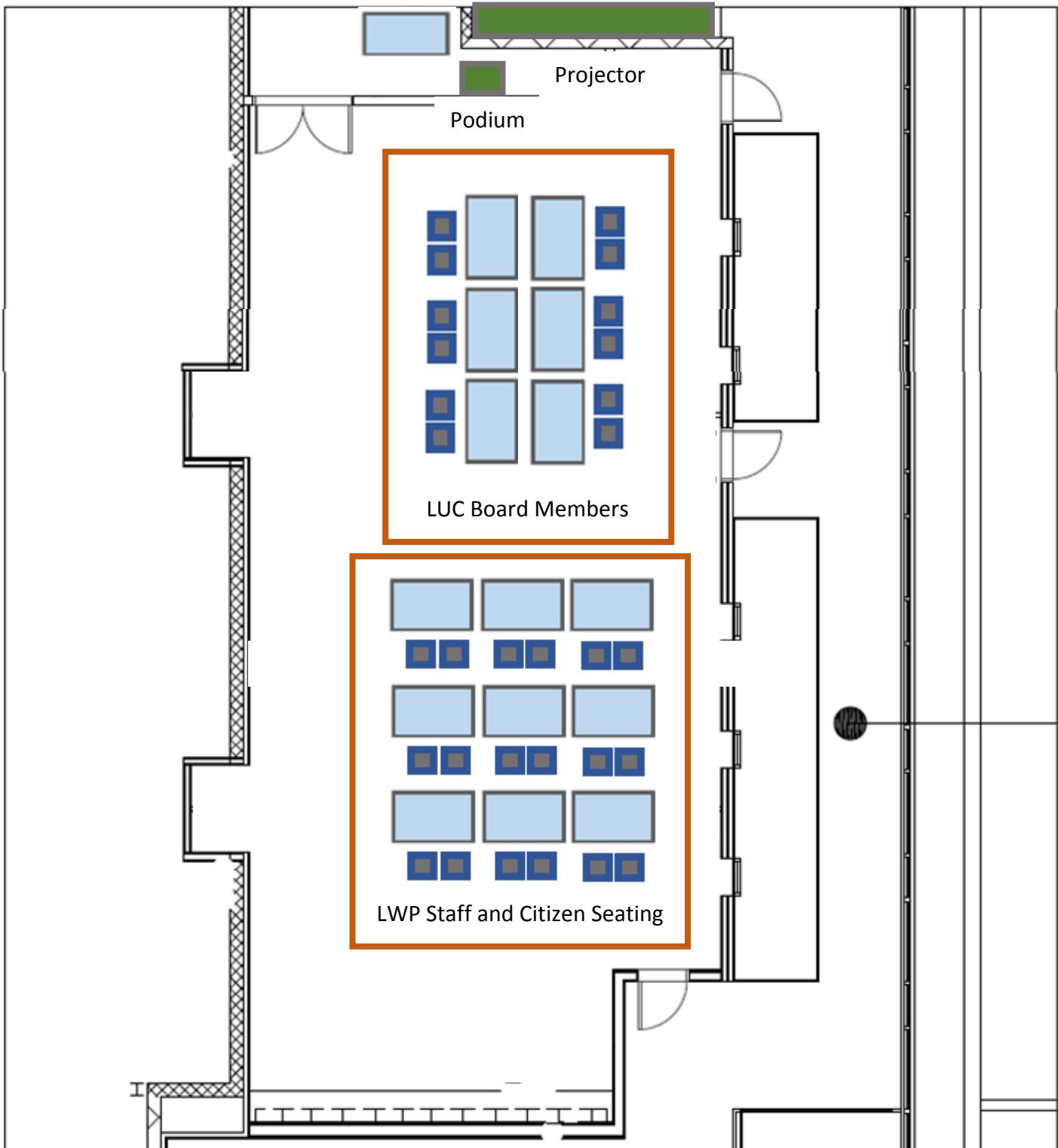
9. Electric Legislative Update – Kim O'Field
10. Water Legislative Update – Michelle Stalker
11. Water Supply Update – Larry Howard

6:00 pm - **ADJOURN**

The City of Loveland is committed to providing an equal opportunity for citizens and does not discriminate on the basis of disability, race, age, color, national origin, religion, sexual orientation or gender. The City will make reasonable accommodations for citizens in accordance with the Americans with Disabilities Act. For more information, please contact the City's ADA Coordinator at bettie.greenberg@cityofloveland.org or 970-962-3319.



**LOVELAND UTILITIES COMMISSION
REGULAR MEETING SEATING ARRANGEMENT**
April 15, 2015 - 4:00 p.m.
***Public Works Administration Building
Upper Conference Rooms 2525 W. 1st St.***



Commission Members Present: Anita Merchant, Dan Herlihey, David Schneider (Vice Chair), Gary Hausman, Gene Packer (Chairman), Larry Roos, Jennifer Gramling, John Rust Jr., and Randy Williams

City Staff Members: Allison Prokop, Brieana Reed-Harmel, Darcy Hodge, Garth Silvernale, Greg Dewey, Greg George, Gretchen Stanford, Jeff Feavel (Left after introductions), Karl Barton, Kim Frick, Larry Howard, Steve Adams, and Tom Greene

CALL TO ORDER: Gene Packer called the meeting to order at 4:04 pm.

APPROVAL OF MINUTES: Gene Packer asked for a motion to approve the minutes of the February 18, 2015 meeting.

Motion: Dan Herlihey made the motion to approve the minutes of the February 18, 2015 meeting.

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

Comments: Randy Williams abstained from the approval of minutes, because he was not present at the February 18, 2015 meeting.

NEW EMPLOYEE INTRODUCTION – Jeff Feavel and Kim Frick

REGULAR AGENDA

Item 1: Appointment of Loveland Utilities Commission (LUC) board members as liaisons for the 2015 Budget Process – Jim Lees & Steve Adams Selection of two Loveland Utilities Commissioner (LUC) Liaisons for the 2016 Water & Power Budget Process.

Recommendation: Choose at least two liaisons from the LUC to participate in the 2016 budget review process for the Water & Power Department.

Comments: Dave Schneider and Gary Hausman volunteered to participate in the 2015 Budget Process with Loveland Water and Power (LWP). Gene Packer stated he would like to attend the first two meeting but, will miss the third, he will also take part in the water/wastewater rate study.

STAFF REPORTS

Item 2: Comprehensive Plan Update – Karl Barton and Greg George This item is a progress report on the *Create Loveland* planning process. The *Comprehensive Plan* is entering a transitional phase where it is moving from the public input push of community choices month into the policy drafting stage. This item will touch on what has been accomplished, what has been heard from the public, what the next steps are and how the Loveland Utilities Commission's (LUC) help will be needed. Please see attachment A for a copy of the PowerPoint slides.

Staff Report only. No action required.

Comments: John Rust Jr. inquired about how many people have been involved and provided feedback in the community outreach portion of the *Comprehensive Plan*. Karl Barton stated that the number of contributing community members is outlined on page 21 of the packet; the total number of people who have contributed in some form of public outreach is 3,252. Rust expressed that the reason he was asking was to get a better idea of how much feedback has been taken into account. Rust asked about how a community member might go about making a personal "vision" of Loveland come to life. Barton stated that it is up to commissions and City planning efforts to look at how that may be possible and to explore the details and how these plans may be executed along with the associated costs. The *Comprehensive Plan* is supposed to provide a broad outline. Barton addressed that there may have been groups that were missed during the public outreach stage; however, the plan was designed to try to reach as many groups and people as possible. Greg George stated that they targeted those people and groups who have a "vision" to help develop where Loveland wants to go. He noted that their job is

to take all those visions and combine them into one big picture. The hope is the people will look at the upcoming policies and see if they are meeting their individual "visions". Rust expressed concern about how the *Comprehensive Plan* is executed overtime; he provided an overview of previous projects that were not completed in a timely fashion. Rust fears this is going to happen in the future. Barton stated he understands his concern; his ideal hope is that we use this Plan to review projects that are able to follow through to the execution phase; however, priorities change and decision makers may not approve. George reviewed the goals of this year's *Comprehensive Plan* including funding. He gave an overview of issues that came up during previous projects and how they plan to accommodate for those problems moving forward. Larry Howard added that City Council and a variety of boards and commissions get involved when it comes to capital improvements. Packer mentioned the importance of having City Council support this plan. Steve Adams asked how this plan is continually updated. George stated that there other sub-plans being created that intertwine and work together. They will also update the *Comprehensive Plan* at a five year mark. Barton stated that the *Comprehensive Plan* will be reflected in the other plans being developed such as the *Future Land Use Plan*, the *Transportation Plan*, and the *Raw Water Master Plan*. He expressed that there are efforts being made to have City Council invested and to adopt the *Comprehensive Plan*.

David Schneider asked how the consultant, Logan Simpson Design, Inc. was hired and what the City is paying them. Barton stated that they were selected from a Statement of Qualification Request for Proposal (SOQ RFP) process. He added that the City does not have the resources to take this project on in-house. Schneider stated that the last *Comprehensive Plan* was created internally; he reviewed how this process was done. Barton provided an overview of how the consultant was chosen and how the hiring process took place. He stated that the total cost, as he recalls, is close to \$247,600. George highlighted that even though the consultants are not local the *Comprehensive Plan* will thoroughly reflect this community, the City is just using their expertise to develop the draft. Barton stated that CanDo has also given Loveland a grant of \$20,000 to help with associated costs. Schneider asked who makes up the planning team and the stakeholders' committee, and what their involvement is in *Comprehensive Plan*. Barton stated that the planning team encompasses everyone who is involved in this process; including staff, the technical advisory committee and the consultants. The stakeholder committee is about 19 people from a variety of Loveland boards and commissions and community leaders. Staff and board discussed outreach, plan details, execution efforts, prioritization, and plan clarity. Schneider expressed his concern about projects that were included in previous *Comprehensive Plans* and the lack of timely execution of implementation. The board discussed ways in which to prevent these problems from re-occurring.

Staff and board discussed details of how the big picture of the *Comprehensive Plan* helps guide and transition into actual community development. Adams asked if there will be a zoning plan included in the *Comprehensive Plan*, as this may help the goals of the utility. George stated how the zoning map and land use plan are developed and that the future land use map will help guide the utilities. The *Comprehensive Plan* will provide the same map features of the last plan. Barton stated that the map provided in the packet included the predicted zoning map. Adams stated how this map will be incorporated in the upcoming plans from Loveland Water and Power (LWP). Tom Greene asked if this includes expected population growth. George stated that yes, this information is taken into consideration and is reflected in the provided documentation. George reviewed the map and which features describe this information. George reviewed topics that will potentially be brought back to the Loveland Utilities Commission (LUC) regarding community development.

Adams stated that the meter sets from LWP are not showing parallel data regarding the population projections for Loveland. Barton stated that the projected forecast comes from Northern Front Range Metropolitan Planning Organization (NFRMPO) and that they are making their best projections. Barton reviewed his predictions on population forecasts for Loveland; he added that the further out you predict the more room for error there may be. Board and staff discussed how to evaluate the risk associated

with these predictions. Howard said that this *Comprehensive Plan* will really start to affect the utility when we start updating the *Raw Water Master Plan*. He addressed the changes and trends that LWP has seen. George stated that their goal is to create a policy to provide some future direction.

Schneider asked what efforts will be made to revitalize old neighborhoods. George stated how concepts become prioritized during the process and program implementation. Barton expressed how that idea correlates with the downtown revitalization. Barton projected on how he thought that would play out. Gretchen Stanford addressed how LUC and Loveland would like to prioritize energy efficiency and the benefits of doing so. George mentioned how this relates to internal building codes, regulations and standards, and how that fits within Loveland's goals and stated that those are the discussions that they would like to have with LUC and have presented in front of City Council. Based upon the comments received George also indicated he would make sure to include LWP in future building code regulations and standards discussions as it relates to energy and water efficiency and conservation.

Packer stated that he appreciates the presentation and the questions and feedback from staff and board members.

COMMISSION/COUNCIL REPORTS

Item 3: Commission/Council Reports

- Activity board members attended since last meeting February 18, 2015.
 - Boards & Commissions Summit – February 19, 2015
 - Northern Water Workshop – March 18, 2015

Anita Merchant: Nothing

Dan Herlihey: Nothing to report. He did ask about an operation on 11th Street late at night and he was curious if it had something to do with LWP. The trucks said, "Insituform" on the side. Herlihey reviewed the details of the event and stated that he was curious about it. Steve Adams said he will have LWP staff follow up with Herlihey with more information.

Dave Schneider: Nothing

Gene Packer: He mentioned that at the next meeting he will bring the *Legend of Chimney Hollow* article for LUC board members to review. He discussed the Northern Water Workshop 2; he mentioned Green Mountain Reservoir and how it related. He added that Adams and Packer developed goals for the commission to consider and discuss that he will address at a future meeting.

Gary Hausman: Expressed his concern about purchasing Colorado Big Thompson (CBT) water, he discussed why he thought this was priority and proposed that LUC and LWP would support an annual purchase of CBT. Darcy Hodge stated that there is currently a 10-year raw water budget of \$ 500,000 every year; however, that amount is not always spent on CBT. Schneider asked why Hausman believes buying CBT is so appealing. He stated that it comes with storage and the demand is there and it will not be available forever. Staff and board discussed the cost associated with doing so and stated that it is cheaper than building a reservoir. Greg Dewey stated the driving forces behind the cost. Packer added his thoughts on the topic and the benefit of Chimney Hollow. The board discussed the benefits of a comprehensive strategy to look at all opportunities. Adams stated that LWP has been mindful of this guidance. He informed the board that Northern Water has just related information about the Windy Gap Firming Project development. Northern Water's goal is to have a consultant on board and ready to go by January 1, 2016; this means there needs to be a consultant selection process. This process will involve LWP saying a final number of what they want to contribute into the Windy Gap Firming project. Adams suggested putting together an LUC item to bring back in front of the board to discuss all these opportunities. Schneider highlighted the economics behind these decisions and questioned how much can be gained and how far down the road LWP looks at these issues. He questioned how LWP decides what the smart move is. Board and staff continued to discuss these factors, predictions, potential impacts, and challenges. Williams asked for staff to include risk factors of these options. Rust expressed his thoughts on how this would impact downstream communities. Board and staff discussed different opportunities and benefits and the disadvantages of each.

Jennifer Gramling: Nothing

John Rust Jr: He passed out a copy of the *Hydrologic Cycle* song, for staff and board members to read.

Larry Roos: Nothing

Randy Williams: Nothing

Council Report: Steve Adams provided an update on behalf of Troy Krenning.

There were no Water and Power items covered during the City Council meetings or Study Sessions held since last month's LUC meeting.

DIRECTOR'S REPORT

Item 4: Director's Report – Steve Adams

Comments: Gretchen Stanford informed the board that the project concept and extension have been approved by FEMA. More information will be coming in front of the board next month regarding the FEMA Alternate Project. Discussion ensued about project locations and communication with community members regarding the upcoming project.

Adams addressed that Larry Roos mentioned, prior to the meeting that the January 2015 financials were missing from the packet. Adams explained the LWP does not usually print a copy of the January financials because of the delay in which they are compiled due to the annual fiscal year close-out process. Packer commented on the amount of legislation for water and power and added that he appreciated the thoroughness of these items.

INFORMATION ITEMS

Item 5: Electric Legislative Update – Kim O'Field This item and the attachment are intended to give a brief update on electric-related legislation being contemplated by the Colorado General Assembly. Loveland Water and Power works closely with Platte River Power Authority (PRPA) and its sister cities but relies primarily on the Colorado Association of Municipal Utilities (CAMU) for information on electric-related legislation.

Information item only. No action required.

Item 6: 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.

Information item only. No action required.

Item 7: Water Supply Update – Larry Howard Projection for raw water supply in 2015.

Information item only. No action required.

Item 8: Financial Report Update – Jim Lees This item summarizes the monthly and year-to-date financials for February 2015.

Information item only. No action required.

ADJOURN The meeting was adjourned at 6:15 pm. The next LUC Meeting will be April 15, 2015 at 4:00 pm.

Respectfully submitted,

Allison Prokop

Recording Secretary

Loveland Utilities Commission



CITY OF LOVELAND

WATER & POWER DEPARTMENT

200 North Wilson • Loveland, Colorado 80537

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AGENDA ITEM: 1

MEETING DATE: 4/15/2015

SUBMITTED BY: Steve Adams, Director

AP for SA

TITLE: 2015 1st Quarter Goal Updates Report

DESCRIPTION:

This is a quarterly review of our progress on our 2015 utility goals.

SUMMARY:

Review 2015 utility goals and the 1st Quarter updates.

REVIEWED BY DIRECTOR:

AP for SA

ATTACHMENTS:

- Attachment A: 2015 1st Quarter Goals Update

Attachment A

2015 Goals & Quarterly Updates	Comp Plan #	Est. Completion	Actual Completion
1 Complete a Water and Wastewater cost-of-service rate study		December, 2015	
Q1 Update: The study has been kicked off and great volumes of data have been exchanged between our staff and our consultant, MWH Global. A great deal of effort will be placed on Wastewater, where borrowing scenarios will be explored to help address a high capital demand for projects described in #3 below. Three meetings will be taking place with the Loveland Utilities Commission (LUC) liaisons between April and June, leading up to a presentation of the results at the June LUC meeting.			
2 Support priority-based budgeting (PBB) next steps		On-going	
Q1 Update: We have been asked to prepare a list of reports or projects that are Federal or State mandates, but don't fall under any of the department's mandatory PBB programs. This list was completed last week. Refresher training was offered to Staff in late March on the PBB model, with a view toward being more prepared for increased interest from City Council in utilizing the model. Citizen Finance Advisory Commission (CFAC) will be looking at learning and using the PBB to make observations to City Council. Also, an internal city staff group is being formed they are waiting direction on formal next steps from the Finance Department.			
3 Evaluate and recommend Wastewater Treatment Plant (WWTP) improvements to accommodate nutrient changes and future growth		2017	
Q1 Update: Staff reviewed an alternative, cutting edge nutrient removal technology called BioMag, but ultimately decided that the high operation and maintenance costs did not adequately offset the potential capital savings. In early March 2015, Loveland Water and Power (LWP) requested statements of qualifications from four national engineering firms to complete the design work. The selection process will be complete in April 2015 and design work is expected to begin in May or June 2015. The project is expected to include additional blower capacity, aeration basin modifications, and a new aeration basin, which will convert the plant to a biological nutrient removal plant and will increase our organic capacity by 35%.			
4 Develop a Marketing and Communications Plan		May 2015	
Q1 Update: Staff has been working with the City's Public Information Officer to see if we should collaborate on a communications plan rather than LWP having their own. If we do separate the two, we will be drafting an Request for Proposal (RFP) for only a marketing plan in the second quarter.			
5 Support City Council's direction on a broadband fiber network		2017	
Q1 Update: IT, Water and Power, and the City Manager's office created information for a joint City Council and Thompson School Board meeting on March 19, 2015. Preparation continues for a May 12, 2015 City Council Study Session on this topic.			
6 Implement an LED streetlight policy	11C1.1 - Power 11C.3.1 - Power	On-going	
Q1 Update: Staff have been evaluating different LED streetlight manufacturers for roadway lighting and have ordered in several samples from different manufacturers. Staff are now working on several locations around the City to trial these various lights.			
7 Complete FEMA Alternate Project submittal and begin work on the Boedecker substation and solar project	Power 11C.3.2	On-going	
Q1 Update: Loveland Water and Power (LWP) purchased 52 acres on 29th Street. Staff has made a final decision to move the entire project to this location; we will discuss this more at the April 2015 Loveland Utilities Commission (LUC) meeting. Staff is reviewing the current draft of the solar Request for Proposal (RFP) and will post an RFP for design and build at the end of April 2015. Staff is discussing how to handle the design of the substation. In March, legislation was proposed by Colorado Springs Utilities to extend the 3x credit for solar if the solar is built and producing energy by December 2016.			

2015 Goals & Quarterly Updates	Comp Plan #	Est. Completion	Actual Completion
8 Support the Planning Department's Comprehensive planning efforts in the following areas:	11B.3.2 - Water 11C.3.2 - Power 11D.3.2 - Wastewater		
a) Master Plan for Development of Highway 287 in Loveland		On-going	
Q1 Update: A study team meeting was held January 14, 2015 to discuss the prioritization of projects. Consultants are working on a draft plan for adoption in May or June of 2015.			
b) Master Plan for Development of the Highway 402 Corridor		On-going	
Q1 Update: The City has delayed work on this corridor pending completion of other planning activities with the Town of Johnstown and Larimer County. The Water Department has selected Ayres Associates to complete a preliminary study/design of the improvements necessary to provide sewer service to the 402 corridor. The study will be completed between May and October of 2015.			
c) Downtown Revitalization Efforts		On-going	
Q1 Update: Staff is working with Exponential Engineering who will engineer a proposed a phased approach on priority projects in the downtown area.			
d) Comprehensive Plan Update		On-going	
Q1 Update: Planning staff gave the LUC an update on the progress of the Create Loveland planning process at the March 18, 2015 meeting. The planning team completed a large public outreach push during the month of February 2015. They held 14 public events and they had a virtual presence through Open City Hall and connected with 1,300 people. During the month of February, they asked people to help prioritize broad actions related to a set of eight land use themes that were themselves distilled from the public outreach that had taken place since the plan was kicked off in April of 2014. The Plan is entering a transitional phase where it is moving from the public input push of Community Choices month into the policy drafting stage in which they are moving from asking the public what they want, to figuring out how they will be able to get there.			
9 Create a Strategic Plan for Loveland Water and Power.	11B.1.2 - Water 11C.1.2 - Power 11D.1.2 - Wastewater	2016	
Q1 Update: Staff is in the process of reviewing other utility's strategic plans as well as reviewing several facilitators that could help draft our strategic plan. Staff has also been participating in the Alliance for Innovation's training course on how to implement a strategic plan.			
10 Continue 2013 Flood restoration and service recovery efforts		On-going	
Q1 Update: Water: Meadows Transmission Main Replacement - Layne Heavy Civil completed laying the new 48" steel waterline, to replace the damaged 20" cast iron and 36" steel waterlines, in May of 2014. The replacement of the 670' of damaged existing 48" steel waterline was completed in December 2014. Therefore, all of the waterline, grading, bank protection, and valuing work associated with flood rehabilitation at the "Meadow" is complete other than seeding which is occurring in April 2015. River Crossings (20" & 36") Rehabilitation Project - Layne Heavy Civil was awarded a \$1,351,836 contract to replace four water transmission main crossings of the Big Thompson River. Two of the crossings were constructed of 20" cast iron pipe installed in 1941 and two were 36" steel pipes crossings that were built in 1962. At each crossing substantial erosion occurred damaging the exterior coating of the pipe and leaving the crossings susceptible to future damage. The replacement pipeline crossings were installed at a lower depth within a concrete pipe encasement. All of the work was completed, with the exception of seeding the disturbed areas, in Quarter 1 of 2015. Lincoln Avenue 8" Waterline and Fire Training Grounds (Fairgrounds Park) 6" Waterlines - An existing 8" waterline along the west side of the Lincoln Avenue bridge over the Big Thompson River and a 6" waterline beneath the Big Thompson River from the Fire Training Grounds to Fairgrounds Park were destroyed during the flooding in September 2013. A construction contract has been signed with Gopher Excavating to replace these river crossings using a directional drill methodology. The project is slated to begin in April 2015 and last two to three months. Wastewater: Southside Lift Station 20" Sanitary Sewer Force main - Connell Resources completed the project during the first quarter of 2015. Their work included a permanent replacement of a 20" ductile iron pipe sanitary sewer force main of the Big Thompson River. The replacement section was lowered into bedrock and placed with a concrete encasement to prevent such damage from occurring in the future. Additionally, a 12" PVC sanitary sewer force main and twelve electrical conduits were placed within the encasement to prepare for future demands. All of the work was completed in quarter one of 2015.			

2015 Goals & Quarterly Updates	Comp Plan #	Est. Completion	Actual Completion
Power:			
<p>Pending County Permit - Engineering has released the design for rerouting of the single phase primary wire that crosses the Big Thompson River (BTR) along the east side of the property. The proposal is to underground the system by following CR23H from the south access to Sylvan Dale Ranch, heading east along the county road and intercepting the existing overhead lines near the location that they currently cross the BTR. Once completed this project will eliminate our exposure of having an overhead line in the flood plan. Pending contract construction of underground infrastructure and county approval. General Overview - For the most part, the large rebuild/restoration work in the Big Thomson Canyon - has been completed. Loveland Water and Power (LWP) continues to energize individual homes throughout the BTC following state inspection. The count of customers without power due to the flood is mainly customers from Sylvan Dale Guest Ranch to Waltonia but it does include locations on South Lincoln and the Glade Road area for customers who were without power for an extended period of time.</p> <ul style="list-style-type: none"> • Total customers without power due to 2013 flood = 314 • Total customers to date who have had power restored = 256 • Total customers still without power as of March 30, 2015 = 58 • Taking those numbers into account there are 11 customers in the canyon we would have the ability to restore power to. All customers have been contacted and we are waiting for them to schedule their service turn on. Restoration work within the city limits has been completed with operations crews back to normal duties. 			
11 Further develop the Asset Management Program for Loveland Water and Power	11B.3.3 - Water 11D.2.2 - Wastewater 11D3.1 - Wastewater	On-going	
12 Redefine the Key Accounts program		On-going	
13 Work with Platte River Power Authority (PRPA) to implement and update an Integrated Plan (IP)	11C.1.2 - Power	December, 2015	



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AGENDA ITEM: 2

MEETING DATE: 4/15/2015

SUBMITTED BY: Christine Schraeder, Electrical Engineer

PP for CS

TITLE: Update on converting to LED street lighting in the City of Loveland

DESCRIPTION:

Many utilities, including the City of Loveland, are recognizing the need to upgrade their street lighting technology to LED (Light Emitting Diode) lighting. LED's are now available that have the ability to replace High Pressure Sodium (HPS), High Intensity Discharge (HID), Fluorescent, Incandescent, and other forms of lighting that have been historically used to light city streets and neighborhoods after dark. The City of Loveland is in the process of determining the best possible LED solution to fit our needs.

SUMMARY:

Recent advances in LED technology have both driven costs down and increased the robustness of the devices available. We are continuing our analysis to incorporate LED lighting for both our new developments and for replacement of our existing lighting infrastructure. As a result, we are also updating our current lighting standard.

Old standards defined appropriate light levels largely by wattage, this determined how many lumens were available on the surface of the street and surrounding objects. The lumen is the measure of the total "amount" of visible light emitted by a source that hits the intended object. Since LED's function with very directional light, there is less light loss due to either dispersion or emission in an unintended direction, which you would see in an HPS light. In addition to that, since the color of an LED is more in the white range, color perception is much easier for the eye as is visual acuity. This results in a lesser need for flooding the area with light, and allows for much lower wattages. For this reason, LED light yields safer lighting conditions while providing lower energy consumption. In addition, LEDs are predicted to last more than four times as long as standard HPS lights, facilitating even larger savings in reduced maintenance costs.

Our analysis seeks to define what lumen levels in LED fixtures are appropriate for our streets, what light patterns are visually acceptable, verify that the fixtures selected meet the proper standards that define lifespan of the LEDs, lifespan of all associated components, and that the City of Loveland can realize the greatest benefit from better available light, longer fixture life, and lower energy consumption. Part of our analysis consists of installing several pilot projects to evaluate these operational and lighting patterns. Both new development areas and existing neighborhood areas will be studied.

LED fixtures Installed in New Developments:

- Centerra, Phase One: Residential lighting fixtures trialed to comply with Developer's design and lighting needs for a residential subdivision
- Centerra, Phase Two: Set to begin Summer of 2015. Lights fully defined in Phase One will also be installed in Phase Two.

Replacement of existing lighting infrastructure - Tests will be conducted to include the following areas replacing the current infrastructure of standard roadway lighting with LEDs:

- North Lincoln Avenue: Roadway fixtures, 400W HPS currently installed on a major arterial road
- Denver Avenue: Roadway fixtures, 250W HPS currently installed on a minor arterial road
- 43rd Street (East of Wilson):: Roadway fixtures, 250W HPS currently installed on a minor arterial road
- 50th Street: Roadway fixtures, 150W HPS currently installed on a major collector road
- Boise Avenue: Roadway fixtures, 250W HPS currently installed on a minor arterial road
- 43rd Street (West of Wilson): Roadway fixtures, 150W HPS currently installed on a major collector road

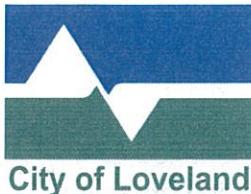
Once changes to the new City of Loveland (COL) Roadway Lighting Standard are complete, staff will return with recommended changes for Loveland Utilities Commission (LUC) consideration.

RECOMMENDATION:

Staff item only. No action required.

REVIEWED BY DIRECTOR:

HP for SA



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AGENDA ITEM: 3

MEETING DATE: 4/15/2015

SUBMITTED BY: Bob Miller, Power Operations Manager, *BMM*
Brieana Reed-Harmel, Senior Electrical Engineer *BRH*

TITLE: FEMA Alternate Project Update

DESCRIPTION:

Staff will provide an update on the Federal Emergency Management Agency (FEMA) Alternate Project for the loss of the Idylwilde Hydroelectric facility during the September 2013 flood.

SUMMARY:

During the flood of the Big Thompson River in September 2013, the City of Loveland sustained significant damage to the Idylwilde hydroelectric facility. The Idylwilde Dam suffered damage to the super structure and the reservoir was completely filled in with silt, sediment and cobbles. Approximately 2,000 feet of the penstock that ran adjacent to the Big Thompson River was destroyed. The Power House was flooded which compromised the electrical equipment within the facility.

The Federal Emergency Management Agency (FEMA) estimated that the damage sustained to the Idylwilde Dam and the penstock was \$9,068,018. On May 27, 2014, the City of Loveland was awarded by FEMA a fixed subgrant of \$9,068,018 for damage sustained to the Idylwilde Dam and the penstock. On May 30, 2014, the City of Loveland accepted the subgrant and elected to participate in the FEMA Alternate Project Program. It had been determined that the hydroelectric facility should not be replaced since it had also sustained damage during the flood in 1976. This Alternate Project Program will allow the City to use 100% of the subgrant funds for an alternate project instead of repairing or replacing the Idylwilde facility.

During the December 17, 2014 Loveland Utilities Commission (LUC) meeting, Commission members provided feedback to staff on the project options to present to City Council and ultimately submit to Colorado Office of Emergency Management (COEM) and FEMA. The direction provided by the LUC was to propose to City Council the construction of a new substation and a large scale solar field on the property near Boedecker Lake. This proposal was presented to the City Council on January 6, 2015 and received unanimous support from City Council to proceed forward with a proposal to COEM and FEMA.

On January 15, 2015 staff submitted to COEM and FEMA the project scope submittal to build a new substation and a large scale solar field on the property near Boedecker Lake. Staff also submitted a request for a time extension for the project of September 14, 2017. The City received confirmation from COEM and FEMA that the project proposal had been accepted and the time extension request granted on March 16, 2015.

Since the project scope submittal on January 14, 2015 the Power Division has identified a property in the northwest portion of town for the construction of a new substation to handle the load growth taking place in this part of the City. The City is currently in process of purchasing this property and will close on the sale at the end of April. The need for a new substation on the west side of the City has been identified in the ten year plan as needing to happen prior to the development of a substation in the southwest side of town due to growth needs and to replace and upgrade the aging assets at the West Substation. Therefore staff has determined that it is in the best interest of the utility to build a substation on the northwest property being purchased instead of at the Boedecker property. Staff is preparing a scope change to the project submittal to move the project from the Boedecker property to the new property in the northwest side of town. Initial environmental assessments have been performed on both properties in advance of the Programmatic Environmental Assessment (PEA) required to comply with the FEMA regulations.

Staff with the help of the consultant NEI, has been working on the preparation of bid documents for the large scale solar field. This bid is scheduled to be released this spring. Senate Bill 15-254 has been introduced in the 2015 legislative session which proposes to extend the sunset date for the 3-to-1 multiplier for solar projects from July 1, 2015 to December 31, 2016. This extension would apply to municipally owned solar projects that are under contract by August 1, 2015. If this bill passes through the legislature we intend to meet these deadlines for the solar project in order to take advantage of the 3-to-1 multiplier for the City's renewable energy portfolio.

RECOMMENDATION:

Staff item only. No action required.

REVIEWED BY DIRECTOR:

PP 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: 4

MEETING DATE: 4/15/2015

SUBMITTED BY: Larry Howard, Sr. Civil Eng.

GD&LH

TITLE: Raw Water Firm Yield Discussion

DESCRIPTION:

Multiple options provide potential opportunities to increase the city's raw water firm yield supply. Simultaneously growth, yield, timing, and market conditions affect the availability and desirability of these options. This item will foster discussion on a number of options and potential short and long-term actions for further consideration. In particular, a question has been raised concerning whether the City should purchase CBT water in the short term, or focus on other options.

SUMMARY:

Options for discussion are included in the attached table, entitled *City of Loveland Matrix of Raw Water Supply Options*. This list includes significant options which may be available to the City for enhancing its raw water supplies. Each has a unique effect on the City's firm yield supply, and each has various benefits and concerns, or *Pros* and *Cons*, associated with it. These are pointed out in the table, along with its likely window of opportunity, to provide focus for the discussions.

RECOMMENDATION:

Staff Report Item only. For discussion no action required.

REVIEWED BY DIRECTOR:

APP for SA

ATTACHMENTS:

- Attachment A: Matrix of Raw Water Supply Options

City of Loveland Matrix of Raw Water Supply Options

Water Right	Firm Yield	Price \$	Price per Firm AF	Window of Opportunity	Pros	Cons
Windy Gap (40 Units) w/o storage	0 AF	\$ 2,937,822		•WG units may be available to buy or sell over time.	•No change needed in Water Court. •Reuse anywhere after Loveland's 1st use.	•Highest initial annual operating cost. •Zero firm yield without storage. •Potential CBT delivery system failure. •Potential Colorado River call
Windy Gap Firming Project (WGFP)	3000 AF	\$ 22,000,000	\$ 7,333	•WG storage in the WGFP is a one time decision, with deadlines approaching.	•Provides firm yield for WG units already owned or acquired later. •Near completion of anticipated permitting. •Likely the lowest cost storage space available for WG water or native rights.	•Permitting is never over until it's over. •Permitting, mitigation & construction costs are escalating.
Downstream storage	Variable AF			•Depends on the location of developable storage.	•Upstream exchange capability enhanced. •Potential 'Purple Pipe' or raw water irrigation water source. •Sale or trade to downstream entity possible. •Possible location available now	•Limited opportunity to exchange upstream. •Upstream exchange reduces river flows through town.
Colorado Big Thompson (CBT) units	1 AF/unit	\$ 26,250	\$ 26,250	•Currently available at historic prices, but fewer units remain in ag.	•City is well below its CBT ownership cap. •No change needed in Water Court. •Can use anywhere in Northern's District. •Already stored and available on demand.	•Limited supply available. •Single use only--not reusable. •Potential Colorado River call. •Potential delivery system failure. •Current prices are at historic highs.
Native Water in WGFP	2.5 AF : 1 AF Storage Ratio			•Native rights need storage--should that be in the WGFP?	•Provide firm yield from future native shares. •Likely the least cost storage alternative.	•NEPA process required. •Carriage contract required. •Subject to available carriage capacity.
Typical Native Shares w/o storage	2.5 AF/sh	\$ 40,000	\$ 16,000	•Some benefit with existing storage.	•Provides lower cost option for a developer.	•Unlikely developers would not pay storage fee to realize the significantly higher yields. •Ever-tightening state administrative regulation.
Typical Native Shares with storage	12 AF/sh	\$ 243,996	\$ 20,333	•Limited feasible storage options identified in extensive studies.	•Keep City portfolio diversified. •Desirable for developers owning shares.	•Water Court action required to add to decrees. •CBT Conveyance Contract likely to be needed for storage. •NEPA process required to use CBT conveyance. •Ever-tightening state administrative regulation.



CITY OF LOVELAND

WATER & POWER DEPARTMENT

200 North Wilson • Loveland, Colorado 80537

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AGENDA ITEM: 5

MEETING DATE: 4/15/2015

SUBMITTED BY: Tom Greene: Utility Information Manager, Project Manager *Tom M. Greene*

TITLE: Water Treatment Plant Expansion Project Update

DESCRIPTION:

The Water and Power department started the design for the Water Treatment Plant Expansion Phase II Project in 2013 which led to the construction bid award on June 12, 2014 in the amount of \$24,374,213 and a notice to proceed on August 27, 2014 to Moltz Construction whose main office is located in Salida, Colorado.

Staff will present construction project updates including: project overall cost, project progress report and construction photos. This is the single largest capital project that the City has ever constructed.

SUMMARY:

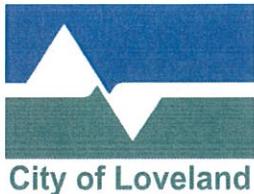
The WTP project is on schedule for June of 2016 operation and under budget as of April 2015.

RECOMMENDATION:

Staff Report Item only. No action required.

REVIEWED BY DIRECTOR:

AP for SA



CITY OF LOVELAND
WATER & POWER DEPARTMENT
200 North Wilson • Loveland, Colorado 80537
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AGENDA ITEM: 6

MEETING DATE: 4/15/2015

SUBMITTED BY: Jim Lees, Utility Accounting Manager

TITLE: Financial Report Update

DESCRIPTION:

This item summarizes the monthly and year-to-date financials for March 2015.

SUMMARY:

The March 2015 financial reports are submitted for Commission review. The following table summarizes the sales and expense results for the month of March, and the March Year-To-Date results in comparison to the same periods from 2014. The summarized and detailed monthly financial statements that compare March Year-To-Date actuals to the 2015 budgeted figures are attached.

		March				March Year-To-Date			
		2015	2014	\$ Ovr/(Und)	% Ovr/(Und)	2015	2014	\$ Ovr/(Und)	% Ovr/(Und)
		vs. 2014	vs. 2014					vs. 2014	vs. 2014
WATER									
Sales	\$644,974	\$569,595	\$75,379	13.2%		\$1,992,681	\$1,792,220	\$200,461	11.2%
Operating Expenses	\$1,885,648	\$741,577	\$1,144,071	154.3%		\$3,054,083	\$2,711,055	\$343,029	12.7%
Capital (Unrestricted)	\$1,169,472	\$121,988	\$1,047,484	858.7%		\$2,251,919	\$397,694	\$1,854,225	466.2%
WASTEWATER									
Sales	\$689,516	\$612,698	\$76,818	12.5%		\$2,211,123	\$1,987,721	\$223,403	11.2%
Operating Expenses	\$569,412	\$507,898	\$61,514	12.1%		\$1,467,570	\$1,107,296	\$360,274	32.5%
Capital (Unrestricted)	\$209,915	\$95,160	\$114,755	120.6%		\$442,005	\$150,653	\$291,352	193.4%
POWER									
Sales	\$4,252,657	\$3,846,475	\$406,182	10.6%		\$13,329,351	\$12,623,875	\$705,476	5.6%
Operating Expenses	\$3,888,346	\$3,679,170	\$209,176	5.7%		\$11,840,063	\$11,156,507	\$683,556	6.1%
Capital (Unrestricted)	\$656,612	\$631,252	\$25,360	4.0%		\$1,280,173	\$1,113,258	\$166,915	15.0%

RECOMMENDATION:

Staff report only. No action required.

REVIEWED BY DIRECTOR:

LIST OF ATTACHMENTS:

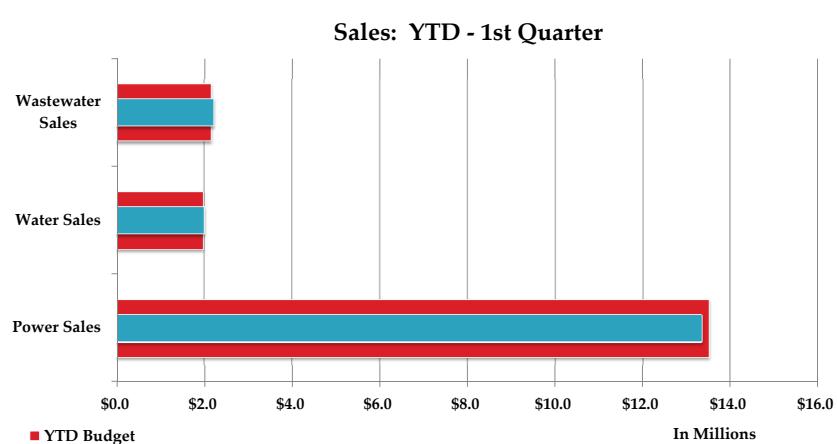
- PowerPoint Slides
- City of Loveland Financial Statement-Raw Water
- City of Loveland Financial Statement-Water
- City of Loveland Financial Statement-Wastewater
- City of Loveland Financial Statement-Power

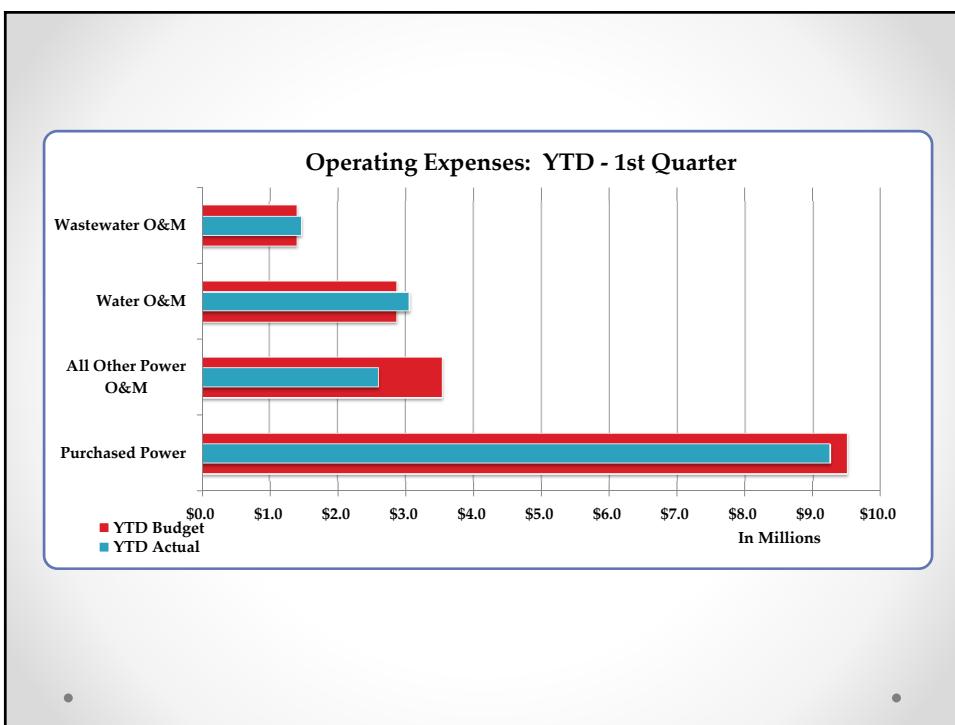
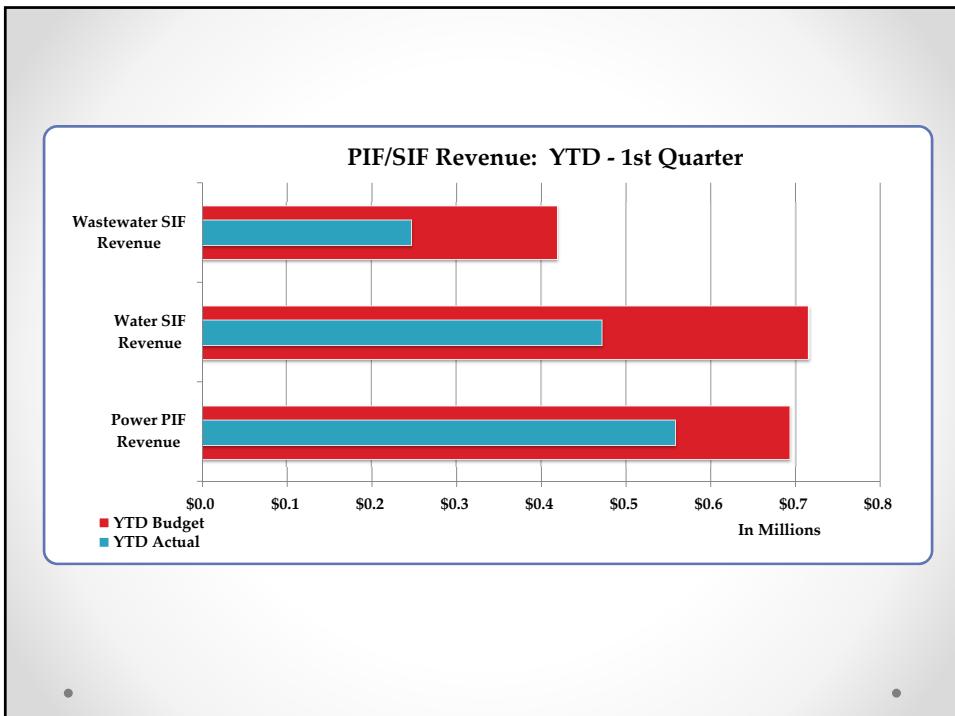


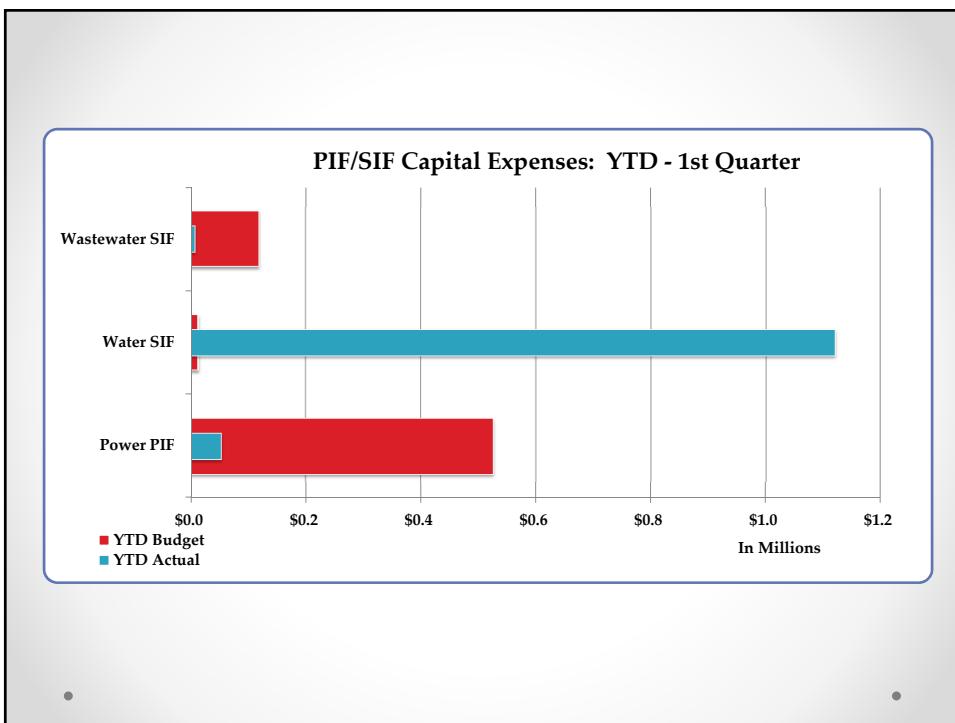
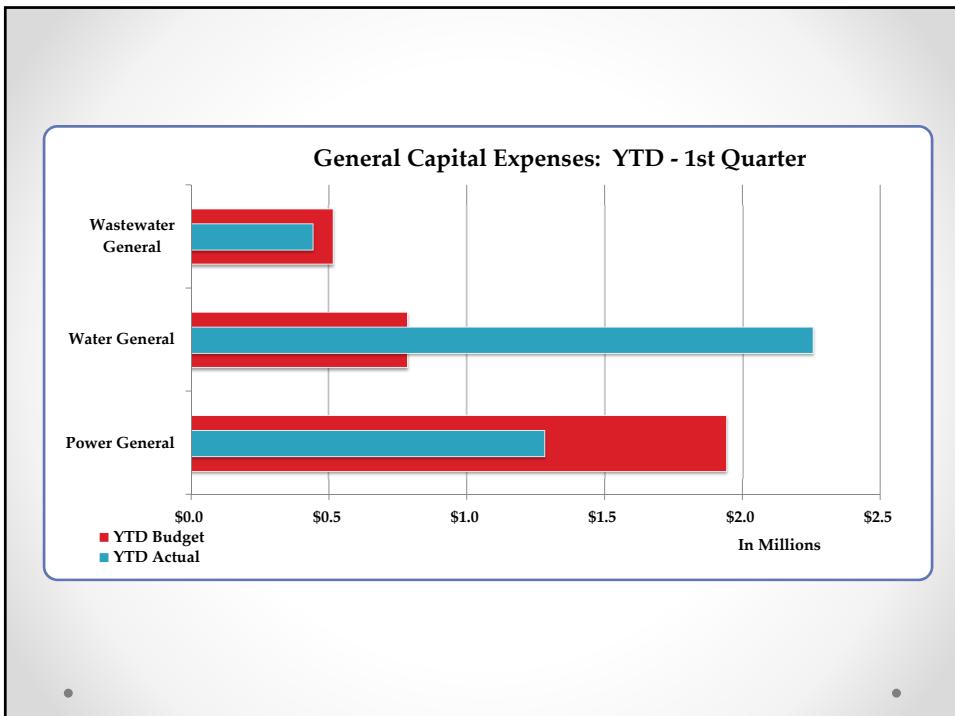
Water & Power Quarterly Financial Report

Loveland Utilities Commission

April 15, 2015







City of Loveland
Financial Statement-Raw Water
For Period Ending 03/31/2015
Preliminary

	* TOTAL BUDGET FYE 12/31/2015	* YTD ACTUAL	YTD BUDGET	OVER <UNDER>	VARIANCE
1 REVENUES & SOURCES					
2 Hi-Use Surcharge	* 52,500	* 1,687	13,140	(11,453)	-87.2%
3 Raw Water Development Fees/Cap Rec Surcharge	* 330,000	* 92,577	82,500	10,077	12.2%
4 Cash-In-Lieu of Water Rights	* 250,000	* 814,966	62,490	752,476	1204.2%
5 Native Raw Water Storage Fees	* 5,000	* 0	1,250	(1,250)	-100.0%
6 Loan Payback from Water	* 137,800	* 0	0	0	0.0%
7 Raw Water 1% Transfer In	* 1,140,840	* 208,702	180,300	28,402	15.8%
8 Interest on Investments	* 81,600	* 37,557	20,400	17,157	84.1%
9 TOTAL REVENUES & SOURCES	* 1,997,740	* 1,155,489	360,080	795,409	220.9%
10 OPERATING EXPENSES					
11 Loan to Water	* 0	* 4,000,000	0	4,000,000	0.0%
12 Windy Gap Payments	* 834,600	* 0	0	0	0.0%
13 TOTAL OPERATING EXPENSES	* 834,600	* 4,000,000	0	4,000,000	0.0%
14 NET OPERATING REVENUE/(LOSS) (excl depr)	* 1,163,140	* (2,844,511)	360,080	(3,204,591)	-890.0%
15 RAW WATER CAPITAL EXPENDITURES	* 1,200,000	* 92,055	196,000	(103,945)	-53.0%
16 ENDING CASH BALANCES					
17 Total Available Funds	* *	* 11,797,456			
18 Reserve - Windy Gap Cash	* *	* 3,392,416			
19 Reserve - 1% Transfer From Rates	* *	* 4,018,214			
20 Reserve - Native Raw Water Storage Interest	* *	* 1,574,647			
21 TOTAL RAW WATER CASH	* *	* 20,782,734			
22 MINIMUM BALANCE (15% OF OPER EXP)	* *	* 125,190			
23 OVER/(UNDER) MINIMUM BALANCE	* *	* 20,657,544			

NOTE: YTD ACTUAL DOES NOT INCLUDE ENCUMBRANCES TOTALING: \$ 834,546

City of Loveland
Financial Statement-Water
For Period Ending 03/31/2015
Preliminary

	TOTAL BUDGET	YTD ACTUAL	YTD BUDGET	OVER <UNDER>	OVER VARIANCE
	* FYE 12/31/2015	* YTD ACTUAL	* YTD BUDGET		
1 **UNRESTRICTED FUNDS**					
1 Water Sales	12,431,660	1,992,681	1,976,410	16,271	0.8%
4 Raw Water Transfer Out	(1,140,840)	(208,702)	(180,300)	(28,402)	15.8%
5 Wholesale Sales	120,850	10,246	3,870	6,376	164.7%
6 Meter Sales	41,850	25,008	14,970	10,038	67.1%
7 Interest on Investments	37,040	2,688	9,260	(6,572)	-71.0%
8 Other Revenue	413,360	25,340	68,140	(42,800)	-62.8%
9 Federal and State Grants	5,560,580	33,668	1,390,130	(1,356,462)	-97.6%
10 Internal Loan Monies Received	750,000	4,750,000	187,500	4,562,500	2433.3%
11 External Loan Monies Received	0	0	0	0	0.0%
12 TOTAL REVENUES & SOURCES	18,214,500	6,630,929	3,469,980	3,160,949	91.1%
13 OPERATING EXPENSES					
14 Source of Supply	2,089,070	445,280	252,390	192,890	76.4%
15 Treatment	2,869,990	534,644	464,630	70,014	15.1%
16 Distribution Operation & Maintenance	2,834,710	643,601	588,610	54,991	9.3%
17 Administration	481,910	135,170	124,760	10,410	8.3%
18 Customer Relations	326,150	28,588	44,010	(15,422)	-35.0%
19 PILT	790,360	124,879	131,990	(7,111)	-5.4%
20 1% for Arts Transfer	76,640	6,950	19,160	(12,210)	-63.7%
21 Services Rendered-Other Departments	1,091,450	272,300	272,300	0	0.0%
22 Internal Loan Debt Expense	966,550	801,450	966,550	(165,100)	-17.1%
23 External Loan Debt Expense	6,840	61,222	0	61,222	0.0%
24 TOTAL OPERATING EXPENSES	11,533,670	3,054,083	2,864,400	189,683	6.6%
25 NET OPERATING REVENUE/(LOSS)(excl depr)	6,680,830	3,576,846	605,580	2,971,266	490.6%
26 CAPITAL EXPENDITURES	2,438,180	2,251,919	784,420	1,467,499	187.1%
27 ENDING CASH BALANCE			2,574,401		
28 WATER DEBT FUND ENDING CASH BALANCE PLUS MONIES RECEIVED FROM LENDERS		*	23,992		
29 MINIMUM BALANCE (15% OF OPER EXP)		*	1,730,051		
30 OVER/(UNDER) MINIMUM BALANCE	*	*	844,351		
31 **RESTRICTED FUNDS**					
32 REVENUES & SOURCES					
33 SIF Collections	2,122,880	471,605	715,050	(243,445)	-34.0%
34 SIF Interest Income	46,830	12,519	16,930	(4,411)	-26.1%
35 SIF Federal and State Grants	2,662,510	0	665,640	(665,640)	-100.0%
36 TOTAL SIF REVENUES & SOURCES	4,832,220	484,123	1,397,620	(913,497)	-65.4%
37 SIF Capital Expenditures	*	75,000	1,119,290	12,250	1,107,040
38 1% for Arts Transfer	89,460	10,425	22,370	(11,945)	-53.4%
39 SIF ENDING CASH BALANCE	*	*	7,414,469		
40 TOTAL ENDING CASH BALANCE			9,988,871		
NOTE: YTD ACTUAL DOES NOT INCLUDE ENCUMBRANCES TOTALING:		\$ 21,711,343			
41 Water Treated at WTP (in million gallons)	*	N/A	592	N/A	
42 Water Sold to Customers (in million gallons, includes Ranch Water & Hydrant Sales)	*	3,720	456	436	20
	*	*			4.6%

City of Loveland
Financial Statement-Wastewater
For Period Ending 03/31/2015
Preliminary

	* TOTAL BUDGET FYE 12/31/2015	* YTD ACTUAL	YTD BUDGET	OVER <UNDER>	OVER VARIANCE
1 **UNRESTRICTED FUNDS**	*	*			
2 REVENUES & SOURCES	*	*			
3 Sanitary Sewer Charges	9,031,400	2,211,123	2,153,780	57,343	2.7%
4 High Strength Surcharge	335,040	82,929	67,330	15,599	23.2%
5 Interest on Investments	26,520	15,272	6,630	8,642	130.4%
6 Other Revenue	53,920	3,022	13,260	(10,238)	-77.2%
7 Federal Grants	432,090	25,002	108,020	(83,018)	-76.9%
8 State Grants	1,000,000	18,846	250,000	(231,154)	-92.5%
9 TOTAL REVENUES & SOURCES	10,878,970	2,356,194	2,599,020	(242,826)	-9.3%
10 OPERATING EXPENSES	*	*			
11 Treatment	3,596,850	703,484	669,420	34,064	5.1%
12 Collection System Maintenance	2,342,800	389,787	361,520	28,267	7.8%
13 Administration	412,060	69,316	69,070	246	0.4%
14 Customer Relations	57,420	15,234	11,560	3,674	31.8%
15 PILT	655,650	160,584	156,710	3,874	2.5%
16 1% for Arts Transfer	24,460	1,865	6,120	(4,255)	-69.5%
17 Services Rendered-Other Departments	508,940	127,300	127,300	0	0.0%
18 TOTAL OPERATING EXPENSES	7,598,180	1,467,570	1,401,700	65,870	4.7%
19 NET OPERATING REVENUE/(LOSS)(excl depr)	3,280,790	888,625	1,197,320	(308,695)	-25.8%
20 CAPITAL EXPENDITURES	3,821,840	442,005	514,240	(72,235)	-14.0%
21 ENDING CASH BALANCE	*	*	9,197,535		
22 MINIMUM BALANCE (15% OF OPER EXP)	*	*	1,139,727		
23 OVER/(UNDER) MINIMUM BALANCE	*	*	8,057,808		
24 **RESTRICTED FUNDS**	*	*			
25 REVENUES & SOURCES	*	*			
26 SIF Collections	1,141,210	246,997	419,080	(172,083)	-41.1%
27 SIF Interest Income	58,440	11,332	14,610	(3,279)	-22.4%
28 SIF Bond Proceeds	10,000,000	0	2,499,990	(2,499,990)	-100.0%
29 TOTAL SIF REVENUES & SOURCES	11,199,650	258,328	2,933,680	(2,675,352)	-91.2%
30 SIF Capital Expenditures	1,300,760	7,340	118,210	(110,870)	-93.8%
31 1% for Arts Transfer	8,770	0	2,200	(2,200)	-100.0%
32 SIF ENDING CASH BALANCE	*	*	6,809,015		
33 TOTAL ENDING CASH BALANCE	*	*	16,006,550		

NOTE: YTD ACTUAL DOES NOT INCLUDE ENCUMBRANCES TOTALING \$ 2,219,502

City of Loveland
Financial Statement-Power
For Period Ending 03/31/2015

	* TOTAL BUDGET	* YTD ACTUAL	YTD BUDGET	OVER <UNDER>	VARIANCE
UNRESTRICTED FUNDS					
1 REVENUES & SOURCES:					
2 Electric revenues	* \$57,180,680	* \$13,329,351	\$13,491,000	(\$161,649)	-1.2%
3 Wheeling charges	* \$240,000	* \$57,643	\$60,000	(\$2,357)	-3.9%
4 Interest on investments	* \$128,910	* \$31,310	\$32,228	(\$917)	-2.8%
5 Aid-to-construction deposits	* \$1,000,000	* \$104,762	\$250,000	(\$145,238)	-58.1%
6 Customer deposit-services	* \$220,000	* \$71,380	\$55,000	\$16,380	29.8%
7 Doorhanger fees	* \$420,000	* \$116,955	\$105,000	\$11,955	11.4%
8 Connect Fees	* \$160,000	* \$31,297	\$40,000	(\$8,703)	-21.8%
9 Services rendered to other depts.	* \$0	* \$0	\$0	\$0	0.0%
10 Other revenues	* \$308,950	* \$149,090	\$77,238	\$71,853	93.0%
11 Year-end cash adjustments	* \$0	* \$0	\$0	\$0	0.0%
12 TOTAL NORMAL REVENUES & SOURCES	* \$59,658,540	* \$13,891,789	\$14,110,465	(\$218,676)	-1.5%
13 FLOOD REVENUE	* \$4,812,500	* \$0	\$1,203,125	(\$1,203,125)	-100.0%
14 TOTAL REVENUES & SOURCES	* \$64,471,040	* 13,891,789	\$15,313,590	(\$1,421,801)	-9.3%
15 OPERATING EXPENSES:					
16 Hydro oper. & maint.	* \$1,153,750	* \$3,867	\$310,625	(\$306,758)	-98.8%
17 Purchased power	* \$42,259,770	* \$9,246,624	\$9,499,554	(\$252,930)	-2.7%
18 Distribution oper. & maint.	* \$4,277,730	* \$778,348	\$1,151,697	(\$373,349)	-32.4%
19 Customer Relations	* \$1,146,590	* \$132,104	\$308,697	(\$176,593)	-57.2%
20 Administration	* \$738,630	* \$146,373	\$198,862	(\$52,489)	-26.4%
21 Payment in-lieu-of taxes	* \$4,002,650	* \$933,287	\$980,649	(\$47,363)	-4.8%
22 1% for Arts Transfer	* \$66,760	* \$30,030	\$16,356	\$13,674	83.6%
23 Services rendered-other depts.	* \$2,278,320	* \$569,430	\$569,580	(\$150)	0.0%
24 TOTAL OPERATING EXPENSES (excl depn)	* \$55,924,200	* \$11,840,063	\$13,036,020	(\$1,195,958)	-9.2%
25 NET OPERATING REVENUE/(LOSS) (excl depn)	* \$8,546,840	* \$2,051,726	\$2,277,570	(\$225,844)	-9.9%
26 CAPITAL EXPENDITURES:					
27 General Plant/Other Generation & Distribution	* \$5,977,270	* \$732,943	\$1,602,823	(\$869,880)	-54.3%
28 Aid-to-construction	* \$1,000,000	* \$486,299	\$269,231	\$217,068	80.6%
29 Service installations	* \$250,000	* \$60,932	\$67,308	(\$6,376)	-9.5%
30 TOTAL CAPITAL EXPENDITURES	* \$7,227,270	* \$1,280,173	\$1,939,361	(\$659,188)	-34.0%
31 ENDING CASH BALANCE			* \$19,983,636		
32 MINIMUM BAL. (15% of OPER EXP excl depn)			* \$8,388,630		
33 OVER/(UNDER) MINIMUM BALANCE			* \$11,595,006		
34 **RESTRICTED FUNDS**					
35 PIF Collections	* \$2,771,830	* \$557,634	\$692,958	(\$135,324)	-19.5%
36 PIF Interest Income	* \$33,250	* \$6,531	\$8,313	(\$1,782)	-21.4%
37 Water Loan Payback	* \$966,550	* \$801,450	\$966,550	(\$165,100)	-17.1%
38 TOTAL REVENUES	* \$3,771,630	* \$1,365,614	\$1,667,820	(\$302,206)	-18.1%
39 PIF Feeders	* \$725,000	* \$25,500	\$195,192	(\$169,693)	-86.9%
40 PIF Substations	* \$1,320,000	* \$27,215	\$330,000	(\$302,785)	-91.8%
41 TOTAL EXPENDITURES	* \$2,045,000	* \$52,715	\$525,192	(\$472,478)	-90.0%
42 ENDING PIF CASH BALANCE			* \$4,341,824		
43 TOTAL ENDING CASH BALANCE			* \$24,325,460		

NOTE: YTD ACTUAL does NOT include encumbrances totalling \$3,957,997

44 Energy Purchased (in million kWh) from PRPA	* 772	* 186	185	1	2.9%
45 Energy Sold to Customers (in million kWh)	* 741	* 184	181	3	1.7%



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: 4/15/2015

SUBMITTED BY: Steve Adams, Director

AP 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.

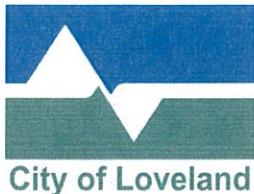
- Colorado Water Stewardship Project Public Trust Initiatives Webinar - April 7, 2015
 - o For a copy of the PowerPoint presentation please visit the following link:
<http://cowaterstewardship.com/wp-content/uploads/2015/04/CWC-Webinar-April-2015.pdf>
- Northern Water's Spring Water Users Meeting - April 8, 2015
- Northern Water Workshop - April 15, 2015

RECOMMENDATION:

Commission/Council report only.

REVIEWED BY DIRECTOR:

AP 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: 8

MEETING DATE: 4/15/2015

SUBMITTED BY: Steve Adams, Director

AP for SA

TITLE: Director's Report

SUMMARY:

- **Upcoming LUC Commission Expirations —**
 - Dan Herlihey – June 30, 2015
 - Gary Hausman – June 30, 2015
 - Anita Marchant – June 30, 2015
- **Garden In A Box —** Loveland Water and Power and the Center for ReSource Conservation are offering an easy, fun and affordable way to create beautiful, water-conserving gardens through the purchase of a Garden In A Box kit. These kits are currently on sale and the pickup date will be Saturday, May 30, 2015 from 9:00am to 12:00pm. For more information please visit the website www.cityofloveland.org/giab. – Lindsey Bashline
- **Tri City Meeting —** Mark your calendars for the Tri-City Meeting which will be on Thursday, May 21, 2015 starting at 6:00 pm in Greeley. More information will be coming. – Allison Prokop
- **Northern Water Conservation Gardens Fair —** Everyone is invited to attend the free, educational Northern Water Conservation Gardens Fair on Saturday, May 16, 2015 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 demonstrations of irrigation technologies. Vendors will be selling plants, irrigation equipment and gardening supplies. Gardening and landscaping experts from Colorado State University, Larimer County Master Gardeners and several other organizations will provide information on gardening, landscape design and irrigation. See attachment A for additional information on this event. – Allison Prokop
- **2015 Northern Water Workshops —** Northern Water will be hosting a series of informational workshops. Please let Allison Prokop know if you are interested in attending any or all of the workshops. Event information is listed below, please see attachment B and C for workshop details and the April 15, 2015 meeting agenda.

When: Wednesday, April 15, 2015
Wednesday, May 13, 2015

Time: 9:00 a.m. to 12:00 noon Morning session
12:00 noon to 1:00 p.m. Lunch (provided by Northern Water)
1:00 p.m. to 3:00 p.m. Afternoon session

Where: Northern Water Headquarters
220 Water Ave.

Berthoud, CO 80513

Material from previous workshops can be found at the following link:
<http://www.northernwater.org/aboutus/EventsandMeetings.aspx>

- **Earth Day Update** — The City of Loveland will host the second Earth Day Event at the Foote Lagoon on Saturday, April 25, 2015 from 10:00 am to 2:00 pm. There will be over 35 booths with vendors displaying earth-friendly goods and services available to the general public. Demonstrations will include repurposing old cd's, face painting, recycling races and a shred event. Drive Electric Northern Colorado will have several electric vehicles available for test drives including Tesla. Food trucks will be on hand to satisfy appetites while residents will enjoy music by a local favorite, The Wendy Woo Band. – Allison Prokop
- **Home Energy Report Packet** — See attachment D for additional information about the 2015 Home Energy Report program launch including sample reports, welcome letter and frequently asked questions. – Lindsey Bashline
- **Compressed Natural Gas (CNG) Update** — Ward Alternative Energy in conjunction with the Colorado Clean Energy Cluster received a grant to install three CNG fueling stations in Loveland, Greeley and Fort Collins. The stations will include electric vehicle charging stations including level II and level III chargers possibly with solar car ports to power the charging stations. The Loveland fueling station will be located near the Airport on the corner of Rockwell Ave. and Byrd Dr. The stations will include Wi-Fi, restrooms and interactive boards for its customers. – Gretchen Stanford
- **Children's Day** — Loveland Water and Power participated in the annual Children's Day festival on March 19, 2015. The event offered activities and games for children in the community, and LWP contributed a booth with a matching game that taught youth energy efficient tips, a power safety demonstration, and prize giveaways. – Allison Prokop
- **Children's Water Festival** — On May 14, 2015 from 8:00am to 2:00 pm nearly 800 5th grade students from the Thompson School District will join Loveland Water and Power, City of Loveland Stormwater Engineering and Northern Water at the annual Children's Water Festival. The event will offer education activities and presentations to the students including presentations from LWP staff on what not to flush, backflow, water wheel, GIS water system mapping, power safety demo and Loveland water trivia. – Allison Prokop
- **Home Supply and Big Dam Update** — The first phase of work on the Home Supply Big Dam, dealing with damage related to the flood or mitigation against future damage, is essentially complete. The stone work is repaired, the arch structure of the dam strengthened with stronger abutments, and the Obermeyer gate to control flows over the dam crest is in place and functioning. The City has been making diversions into the water treatment plant from its diversion structure at the dam since April 7. The telemetry from the Obermeyer gate controls to the water treatment plant must still be installed. City staff is working with Home Supply on a Phase II Agreement, planned for this fall, which will repair the grout between the stones on the dam face, using a process called 'repainting.' This will help strengthen the structure and is expected to make it useful for many decades into the future. – Larry Howard
- **Drinking Water Week** — For more than 35 years the American Water Works Association and its members have celebrated Drinking Water Week (May 3, 2015 – May 9, 2015) – a unique opportunity for both water professionals and the communities they serve to join together in recognizing the vital role water plays in our daily lives. Throughout the week, Loveland Water and Power and partners across the water community will celebrate the value of water by learning about the critical role it plays in our daily lives and in the quality of life we enjoy. – Allison Prokop

- **Public Works Day** – Loveland Water and Power is invited to participate in the 12th annual Public Works Day on May 19, 2015 from 9:00am to 1:00pm. Kindergarten through 5th graders from Loveland will visit educational booths including Loveland Water and Power's backflow demonstration, electricity safety demonstration, pole climbing demonstration, electric vehicle display and the water conservation area. – Allison Prokop
- **2015 10-year Large Capital Projects** – Jim Lees and his staff prepared a listing of all large (greater than \$1 million) water, wastewater and power projects. This is a follow up to an earlier discussion with the LUC about this topic to know what our large capital project needs for the next 10 years. Please see attachment E, F and G for this item. – Allison Prokop

RECOMMENDATION:

Director's report only.

REVIEWED BY DIRECTOR:

AP for SA

Attachment A

Northern Water Conservation Gardens Fair

Saturday, May 16 (rain or shine)

FREE • 9:30 a.m. to 2 p.m. • 220 Water Ave., Berthoud

*Seminars • Conservation Gardens tours • Expert advice
Updates on technology & more*



Visit www.northernwater.org

Click [Conservation Gardens Fair May 16](#)

in What's New at top of home page. 800-369-7246



Attachment B



2015 Northern Water Workshops

Wed., Feb. 18
Wed., March 18
Wed., April 15
Wed., May 13

During the first half of 2015 Northern Water will be hosting a series of educational workshops for Colorado-Big Thompson (C-BT) Project allottees, water users and other interested individuals.

Workshop topics will include but not be limited to the following: overview and history of Northern Water, the C-BT Project, Northern Water's Municipal Subdistrict, the Windy Gap Project, and many other related matters.

Please save the workshop dates listed above, and share this information with others you think could benefit from these educational workshops.

All workshops will be held at Northern Water's Berthoud headquarters. Those interested may attend individual workshops or the entire series.

Additional information and registration details will follow in the first week of February. Details will also be available at that time at northernwater.org. If you have any questions before then, contact Don Carlson at dcarlson@northernwater.org.

Workshop schedules:

9:00 a.m. – 12:00 noon	Morning session
12:00 noon – 1:00 p.m.	Lunch (provided by Northern Water)
1:00 p.m. – 3:00 p.m.	Afternoon session

There will be opportunity for questions during each session, as well as at the end of the morning and afternoon sessions.

Workshop #1, Wed., Feb. 18 – Northern Water Background and History

General overview and history of Northern Water, the Colorado-Big Thompson Project, Municipal Subdistrict, Windy Gap Project, Enterprises (Southern Water Supply Project, Pleasant Valley Pipeline, Hydro projects, Northern Integrated Supply Project, Windy Gap Firming Project), and general organization (Board, Legal Counsel, Management, Staff).

Workshop #2, Wed., March 18 – Northern Water Projects and Administration

Detailed summaries of the Inclusions process, Allotment Contracts, Quota, Assessments, Contracts, and all rules, policies, procedures that apply, as well as a review of Northern Water budgeting, financial planning, work plans, and investment programs.

Workshop #3 – Wed., April 15 – Northern Water Operations

Overview and summaries of West Slope (water collection system) operations and East Slope (water distribution system, hydropower projects, water ordering) operations, and snowpack and streamflow forecasting, relationship with the U.S. Bureau of Reclamation, water quality, SCADA (supervisory control and data acquisition), security, emergency response activities.

Workshop #4 – Wed., May 13 – Challenges for Northern Water and Northern Colorado

Overview of past, current, and future challenges facing Northern Water, Municipal Subdistrict, and Northern Colorado, including the Platte River and Colorado River Endangered Species Recovery Programs, the Colorado River Wild and Scenic River Program, the Colorado Water Plan, recovery from the September 2013 floods, and watershed health/fire mitigation issues.

Attachment C

Northern Water Workshops

Apr 15 – OPERATIONS

I. West Slope Operations

- A. Collection System
 - C-BT Project
 - Windy Gap Project
- B. Operators
- C. Forecasting
- D. USBR Coordination
- E. Upper Colorado River Administration

II. East Slope Operations

- A. Distribution System
- B. Hydro Power
- C. Water Accounting
- D. Water Ordering
- E. Return Flows
- F. Southern Water Supply Pipeline
- G. Pleasant Valley Pipeline
- H. Western Area Power Administration

III. SCADA Systems

IV. Water Quality Program

V. Field Services

VI. Security/Emergency Response

VII. Open Forum Discussions

VIII. Summary

Attachment D



Department of Water and Power
Service Center • 200 N. Wilson Avenue • Loveland, CO 80537
(970) 962-3000 • (970) 962-3400 Fax • (970) 962-2620 TDD
www.cityofloveland.org

TO: Loveland Utilities Commission
DATE: April 7, 2015
FROM: Gretchen Stanford, Customer Relations Manager
Lindsey Bashline, Customer Relations Specialist
THROUGH: Steve Adams, Water and Power Director
RE: 2015 Home Energy Reports Program

Since April 2011, Loveland Water and Power (LWP) provided bi-monthly customized energy reports to approximately 15,000 residential customers displaying their home energy use, energy use of similar homes and energy tips. The Home Energy Report program (HER) is a part of our ongoing efforts to help the City achieve energy reduction, community engagement and education goals approved by City Council in July 2010.

When the pilot program concluded in early 2014, LWP conducted a survey to gain a better understanding on the community's perspective on the program. The results concluded that 94% of participants remember receiving the reports and 97% of those that remember receiving the reports are actually reading them. 68% of survey respondents stated they are satisfied with the reports and 78% appreciated that LWP sends the reports. Additionally, in the 2014 utility survey, 95% of respondents stated that detailed information about energy use is important and 76% would like this type of information available online.

In an effort to offer services that meet the requests of the Loveland community, the 2015 HER program will include a citywide report launch to all 29,000 residential customers, excluding those who have previously opted-out of the program. The first reports (Attachment 2) and welcome letters (Attachment 1) will be in mailboxes the week of April 20, 2015.

2015 Program Objectives:

1. Increase awareness and education about personal energy use for residential customers.
2. Measurable and verifiable energy savings of at least 1.7% annually for participating customers.
3. Increase participation in LWP energy and water programs by at least 10%.
4. Measurably strengthen the relationship between LWP and residential customers.
5. Provide and encourage the use of a robust web-based resource for LWP residential customers.
6. Launch a school based program to encourage use of the web portal as well as educate customers on their energy use.

The HER program will continue to be organized around two concepts – motivating behavior change and providing relevant information to the customer. The Program provides participants with context for understanding their energy use through the Neighbor Comparisons, where behavioral science research has also demonstrated that peer based comparisons are a highly motivating way to present information. Additionally, customers will continue to receive individually targeted savings tips based on their energy usage patterns, housing characteristics and demographics.

As an alternative to the former HER program, the 2015 program will focus more on digital outreach by tapering direct-mailed reports to quarterly reports and encouraging customers to go online to receive email reports, alerts and the online web portal. LWP is working closely with Utility Billing to successfully integrate these digital channels into existing and future programs/systems and the new online billing system.

Prior to receiving an energy report, new recipients will receive a welcome letter introducing them to the program. The current report format including the modified opt-out language clearly indicating how one may remove themselves from the program will remain in 2015.

We understand that there will be questions regarding the program and that several customers that might not want to receive the report. To assist you in responding to customer questions and navigating concerns, we have provided additional resources such copies of the Welcome Letter, a sample report and answers to frequently asked questions (Attachment 3).

We are excited to give our customers what they are asking for. If you have any questions or concerns, please do not hesitate to reach out to us.

Gretchen Stanford

City of Loveland
Customer Relations Manager
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Lindsey Bashline

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Loveland, CO 80537

Attachments:

1. 2015 Welcome Insert
2. Sample Report
3. Frequently Asked Questions

Attachment 1



Your Personal Information

We only use your information to provide useful insights about your energy use. Your information is compiled anonymously and not shared with any of your neighbors. Only you can see your personal data.

Say hello to your first Home Energy Report.

Learn about your home's electricity use, see how you compare to your neighbors, and learn ways to save money.



Loveland Water and Power

(970) 962-2111
SustainLoveland@cityofloveland.org

Printed on 10% post-consumer recycled paper

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Loveland Water and Power

Introducing Your Home Energy Report

This report and others to come quarterly are part of an energy efficiency education program designed to help you save energy and money. Millions of households are already enrolled in similar report programs nationwide. Collectively, these programs have saved hundreds of millions of dollars. If you're ready to start saving on your energy bill, this program is for you.



About the Program

Neighbor Comparison

In your reports, you can see your current energy use compared to approximately 100 nearby, occupied homes with similar characteristics — such as square footage and fuel types. These homes represent your neighbors, but do not necessarily include the homes on your block or in your immediate neighborhood. These comparisons, along with personalized energy saving tips, can help you better understand how you use energy.

Your Home Information

The comparisons and tips in your reports are personalized for you by using publicly available information from the Larimer County Assessor's Office about your home size, home type, and other characteristics. To make your custom analysis and advice even better, you can go online to cityofloveland.org/energyreports and update your home information under "My Account."

Your Online Tools



Get More Insights Online

Visit cityofloveland.org/energyreports to find out what your neighbors are doing to save, create a personal savings plan, sign up to receive email reports, and more. Here are three simple steps to get started:

1. Locate your account number at the upper right corner of your report.
2. Log into the website using your account number as it appears on your report.
3. Explore the site to start saving energy and money.

Visit cityofloveland.org/energyreports



Loveland Water and Power

200 N. Wilson Ave
Loveland, CO 80537

Attachment 2

Home Energy Report

Account number:
Report period: 12/27/13–02/26/14

This report gives you context on your energy use to help you make smart energy saving decisions.

For a full list of energy saving products and services for purchase, including rebates from Loveland Water & Power, visit cityofloveland.org/saves.

If you have questions or no longer want to receive reports, call (970) 962-2111.

Last 2 Months Neighbor Comparison



* kWh: A 100-Watt bulb burning for 10 hours uses 1 kilowatt-hour.

How you're doing:

Great ☺ ☺

► **GOOD** ☺

More than average

Who are your Neighbors?

■ **All Neighbors:** Approximately 100 occupied nearby homes that are similar in size to yours (avg 1,708 sq ft) and have gas heat

■ **Efficient Neighbors:** The most efficient 20 percent from the "All Neighbors" group

Schedule your Home Energy Audit

Let us help you reduce your energy use and save money. For just \$70, you'll receive:



Same-day energy improvements
averaging \$70 in value



A thorough assessment by an LWP-authorized energy specialist



Instant energy savings plus rebates
for additional upgrades

To learn more, call 1-866-973-9268 or visit www.cityofloveland.org/audits.

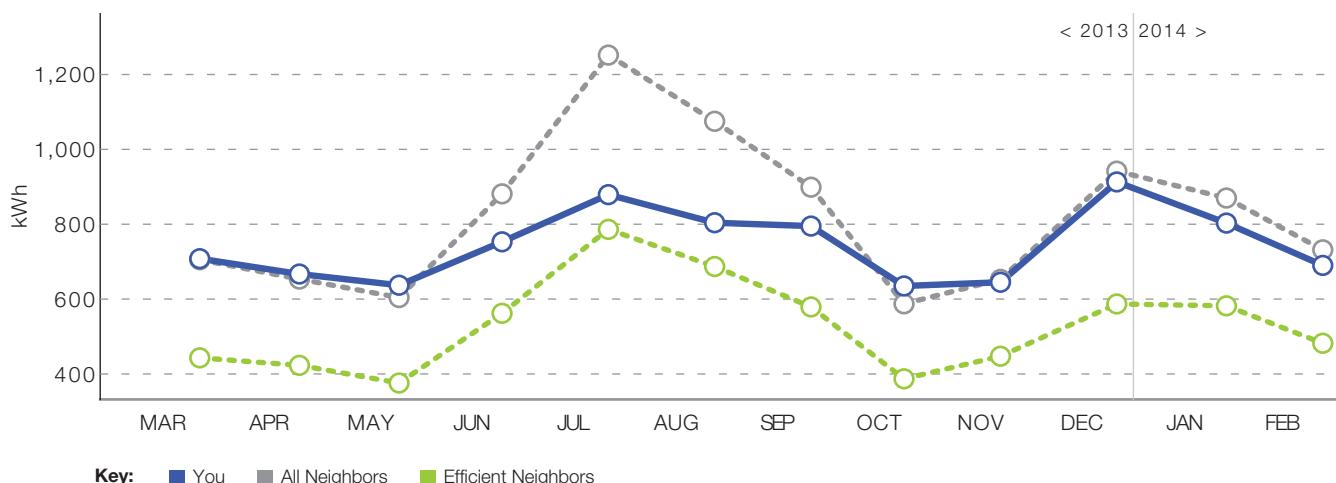
Limited or fixed income? Ask about the FREE Larimer County Energy Assessment by calling 970-498-6081.

Turn over for savings →

Last 12 Months Neighbor Comparison

You used **41% more** electricity than your efficient neighbors.

This costs you about **\$179 extra** per year.



Personalized tips | For a list of energy saving investments and smart purchases, visit cityofloveland.org/saves.

Quick Fix

Something you can do right now

Unplug electronics when they're not in use

Many gadgets continue to use power even when they are off, so unplug electronics when you don't need them. For convenience, plug devices into a power strip and turn it off.

Televisions, DVR boxes, game consoles, and computers are examples of devices that use electricity when they are turned off but still plugged in.

If you often forget to unplug, try leaving a reminder — like this home energy report — near your door or on your coffee table.

**SAVE UP TO
\$40 PER YEAR**

Smart Purchase

An affordable way to save more

Choose efficient light fixtures

Compact fluorescent lights (CFLs) and light-emitting diodes (LEDs) offer an easy and affordable way to save energy and money, but these lights may not operate as efficiently as possible with light fixtures you already have.

Look for ENERGY STAR® qualified fixtures to ensure you receive the best performance and the maximum energy savings possible from CFL and LED bulbs.

**SAVE UP TO
\$35 OVER BULB LIFE**

Great Investment

A big idea for long-term savings

Improve your home's insulation

Over 45% of a home's heating and cooling can be lost through the walls, roof, and floor.

If you improve your home's insulation in these areas, you can substantially reduce your heating and cooling bills and keep comfortable all year round.

In some cases, you may be able to install insulation in your attic and other areas yourself. In other cases, you may want to hire a professional to help.

**SAVE UP TO
\$60 PER YEAR**



Loveland Water and Power

runs on OPower®

For billing inquiries or to opt-out of reports, call 970-962-2111. For other comments / questions, call 970-962-3000.

Printed on 10% post-consumer recycled paper using water-based inks. www.cityofloveland.org/energyreports | SustainLoveland@cityofloveland.org © 2011-2014 Opower

Attachment 3

General:

1. What is the Home Energy Reports program?

1.1: Loveland Water and Power (LWP) delivers customized energy reports to residential customers displaying home energy use, energy use of similar homes and energy tips. The program was launched as a pilot in April 2011 and approved by City Council in July 2010.

1.2: The Home Energy Report (HER) provides personalized information about your energy use and smart ways to make your home more energy efficient. The report will help you make informed choices to save energy and trim your energy costs. Each report includes:

- Information on your home's energy use: View your home's energy use in the context of the energy use of your neighbors' homes that are nearby and similar in size.
- Progress tracking: You'll also see how your home's energy use changes over time and across seasons.
- Ideas on energy efficiency: On each report, you will find ways to save energy, including information on the rebates and other special programs LWP offers.

1.3: The HER program is a suite of tools that provides customers personalized energy information via direct mailed reports, online and by email.

2. What is the purpose of the program?

2.1: Our hope is that these reports will serve as an educational tool, help our customers understand their monthly home energy usage, track how their homes' energy use changes over time and learn where they have opportunities to save.

The second page of the report focuses on information on how to save energy, both related to our efficiency programs and common sense conservation measures. Energy efficiency is the most cost effective way to help deal with our energy challenges

2.2: Our intent with the reports is to provide information that our customers have asked us to provide to them. It will provide you with detailed information about your energy use that we hope may be helpful to better understand your household's energy use and offer tips that may help our customers save energy and reduce their bill.

2.3: Most people are eager to make their home more efficient and save money, but they're not always sure how. The HER program is designed to provide more information about your energy use so you can make informed choices and save money.

3. Why is LWP investing in the Home Energy Reports program?

3.1: We have joined many cities and utilities across the country to provide this program because it has been proven to help customers save energy and money. As a general rule of thumb, for every dollar we spend on the program, customers save three dollars on their bills.

3.2: Our customers have asked LWP to provide energy efficiency programs and detailed information on their energy use.

The program started as a pilot in 2011 in response to the Loveland City Council receiving hundreds of letters from the community asking for more energy efficiency programs from the utility. The goals of the pilot program were to educate and motivate customers about their energy use, energy savings and

increased participation in LWP programs. When the pilot program concluded in early 2014, LWP conducted a survey on the program to get a better idea on the community as a whole's perspective on the program.

- 94% of participants remember receiving the reports with 97% of those that remember receiving the reports reading them.
- 68% of survey respondents stated they were satisfied with the reports and 78% appreciated that LWP sent the reports.
- In the 2014 Utility survey, 95% of respondents have stated that detailed information about energy use was important and that having information available online was important to 76% of respondents.

In an effort to offer services that meet the requests of the Loveland community, staff launched the HER program to all Loveland customers. The program was selected for a number of reasons:

- We wanted to reach and engage every customer irrespective of income, education level and access to technology. The HER program helps us to accomplish this in comparison to a rebate for an efficient appliance, that would only be available for those who can afford a new appliance.
- Offer utility bill information in another format. We like to say, "Many people know what a gallon of water is and about how far a gallon of water will go but many people have a hard time understanding what they can get for a kilowatt-hour of energy. Many customers don't have any idea if they are using a lot or a little of energy." Customers can now view their home's energy use in the context of the energy use of your neighbors' homes that are nearby and similar in size.
- Even with email, internet and other various avenues to communicate with our customers, direct mail continues to be the most effective. Through the reports we are able to not only display use and tips but offer information about other City programs in one mailing.
- Much of individual energy use is behavioral based; turning lights off when leaving a room, thermostat temperatures etc. To encourage consistent behavioral changes day after day, continual energy-use reporting has been proven to produce a more sustained result.

Participation/Customer Profile:

4. Can customers opt out of this program / report?

4.1: Yes. The reports are provided to help customers understand their home energy use, save energy, and lower utility bills. However, if a customer would like to opt out, a Customer Service Representative can remove customers from the program over the phone by calling 970-962-2111. Customers may also opt out online in the "My Account" section of the Customer Web Portal: www.cityofloveland.org/energyreports.

5. Do the reports show personal information? Are there any privacy concerns?

5.1. No information other than a customer's own is ever presented on the reports. Customers are not able to view energy usage of any specific neighbors; they only see a number representing the average of one hundred anonymous neighbors with a similar house size.

All information included in the report comes from publicly available sources such as county assessor records, census data, and the United States Postal Service. The information will not be shared with any third-parties or used for any purposes other than the HER program.

6. What does the City do with the reports? (Privacy or “Big Brother” Concerns)

6.1: The program is for informational purposes and for the sole use of each customer. Staff does not review individual reports unless otherwise requested and approved from the customer.

7. Why would a customer be ineligible to receive reports?

7.1: There are several possible explanations for why a customer has not received a report.

- **Customer may not have lived at your current premise long enough:** The program can only be provided to households that have enough historical energy use data at their current premise.
- **Customer's house may appear to be vacant:** If you have been away from home for a very long time or use a very small amount of energy, your house may have the appearance of vacancy.
- **Customer may generate some of their own power:** For homes that generate a significant percentage of the power that they use, we can only determine your net energy usage. Therefore, your home does not provide a good comparison for homes that don't have local generation capability.
- **Customer may just be ineligible this month:** Due to the timing of meter reads or some other factor, it is possible that you didn't receive a report this month but that you will soon. I can check for you in our database to see whether or not you have been selected as a program participant.
- **Customer may have previously opted out:** If a customer has opted out of the pilot program they will not receive a report in the new program. Unfortunately we are not able to re-enroll customers into Paper Reports. However, you can still access the program on the Customer Web Portal: www.cityofloveland.org/energyreports.

8. How can customers update the size of their homes?

8.1: The square footage of a customers' home that we use in the report is based on data that is collected from the Larimer County assessor's office. If the square footage of a report is not correct, you can have it updated by calling 970-962-2111 or by visiting the "My Account" section of the Customer Web Portal: www.cityofloveland.org/energyreports.

9. How long will it take for updates I make to my profile information to affect the energy efficiency tips?

9.1: Adjustments to profile information are automatically reflected in the tips that customers can view on the Customer Web Portal and they will be used to provide customers with tips that are more appropriate for their home in their next report.

10. Will updates to a customer's profile be shared with other sources?

10.1: No. All updates to customers' profile will be kept completely confidential, and they will only be used to provide customers with a better, more personalized report.

Comparison:

11. Where is data obtained that is used for profile and comparisons?

11.1: Since reports are being sent quarterly, customers use will reflect a total of three months' worth of energy usage. Information about customers' energy usage comes directly from their home meter.

12. Why compare customers to their neighbors?

12.1: We compare customers' energy use to the use of similar size homes that are close to their homes and use the same heating fuel. We do this to provide customers with education and context, and to offer an idea of what customers could realistically save.

13. How are homes used in neighbor comparisons?

13.1: To provide valid comparisons, we've chosen specific homes that are nearby and have characteristics that typically lead to similar energy needs, such as home size and heating source. Most importantly, we only include homes that appear to be occupied at the time of the comparison.

14. The report says I use more energy compared to my neighbors, how is this determined?

14.1: The neighbor comparison is calculated based on a number of household characteristics. The characteristics include, but are not limited to, heating fuel type, house size and dwelling type. We create the neighbor groups by matching homes that are close together based on what we know about the homes.

15. How many people receive "great," "good," and "above average" messages?

15.1: Because the thresholds are determined by averages, the exact percentage in each category varies over time and from neighbor group to neighbor group. However, at any given time, the breakdown is roughly as follows:

- Neighbors receiving "great" – 20%
- Neighbors receiving "good" – 30%
- Neighbors receiving "above average" – 50%

16. How can efficient neighbors manage to use so much less energy than others?

16.1: Efficient households likely take a variety of steps to reduce their energy use, including using the thermostat to manage heating and cooling costs, turning off lights and electronics when not in use, and always running full loads in the dishwasher, washer and dryer. The reports provide steps that customers can take to help them make their homes more efficient.

17. What household characteristics do we take into consideration?

17.1: Our goal is to provide you with a comparison that is valid and meaningful. We compare your household to other real households in your area, not a theoretical home with similar characteristics.

To provide valid comparisons, we've chosen specific homes that have characteristics that typically lead to similar energy needs, such as home size, heating source, and dwell type. Most importantly, we only include homes that appear to be occupied at the time of the comparison.

18. I have special circumstances. Why don't you take these into account for the neighbor comparison?

18.1: We do take some special circumstances into account based on information in your home profile. For example, we can account for what type of heating you use. But there are a few reasons why we can't take all special household characteristics into account for the neighbor comparison.

- **We can only compare your usage based on what we know about you and your neighbors.** We base your comparison on reliable data that is gathered for households in your area. However, a variety of lifestyle choices and household changes don't have a system of record. For example, we don't have a way of knowing if you have guests visiting, work from home regularly, or just bought new windows. For this reason, we base your comparison on the major, known factors that drive energy consumption.
- **Some attributes are not a good basis for comparison.** For example, you might wonder why we don't compare your home to only homes of a similar age. Similarly aged homes don't necessarily have similar energy needs. Older homes may typically be less efficient, but they are also more likely to have been renovated. New homes may be more efficient in some ways, but they may have more features that use energy (jetted spas, heated floors, central AC, and other, similar, types of features).
- **We want the comparison to be meaningful.** We hope that the neighbor comparison can offer valuable information and context about your home's energy use so that you can save energy and money. Even without taking into account everything that's special about your circumstances, the program can still be a useful informational tool and allow for measurement of your own performance over time.

19. What if there are good reasons that a household uses more energy than their neighbors?

19.1: Our goal is to provide you with a comparison that is valid and meaningful. Currently, our report comparisons include 100 similar, nearby, occupied homes, and our research shows that for almost all residents this 100-home average is a good indication of typical usage. However, there are some factors for which we don't account for, such as the number of occupants in the home, special loads like hot tubs or individuals with special electrical medical equipment needs. As we cannot collect this type of information into the reports we ask that you take this into consideration when reviewing the report. Ask yourself –

“This hot tub uses 14 kWh a month that makes up half the difference between efficient neighbors and me. Where does the other half come from?”

This gives you a more realistic view of how having a hot tub impacts your energy consumption compared to other homes.

20. Why is there a substantial difference between my home's average square footage and my neighbors'?

20.1: The neighbor selection process attempts to select the best possible eligible neighbors during the selection process. However, there will be cases where for example a home is significantly larger than its eligible neighbors. In these cases; the average square footage difference between these recipients and their neighbor be higher compared to most other report recipients.

It's also important to remember, that; there are many other factors that make up the neighbor comparison group in the reports, such as; heat type, dwelling type, proximity, square footage, etc, and square footage is not our only determining factor in selecting similar homes.

21. How do we know the comparisons are valid?

21.1: Our report comparisons include 100 similar, nearby, occupied homes, and our research shows that for almost all residents this 100-home average is a good indication of typical usage.

Results/Savings:

22. Has the program been proven to deliver results in energy efficiency?

22.1: The average person receiving the reports reduces their energy consumption by as much as 3% per month, simply by taking small steps to conserve energy in their homes. These savings are realized across demographic segments, income and education levels.

22.2: In addition to energy saving LWP is looking at how the reports have helped to increase awareness about other LWP programs.

22.3: In our pilot program, approximately 15,000 residential electric customers received the reports where we measured program impact against a group of non-participating homes to calculate for savings and control for external factors that may affect energy use. Through 2014, over 8.3 GWh of electricity have been saved. That's enough to take power every home in Loveland for one week. The methodology and results have been independently verified by leading industry analysts and non-profit organizations.

23. How much energy has been saved by the program?

23.1: A participating household has saved an average of 2% since the program started. While it may not seem like much, those small changes make a big difference to the City as a whole. Since April 2011, total customer savings of 8.3 GWh (8,301 MWh)!

Cost:

24. Isn't using less going to raise everybody's rate?

24.1: Our energy efficiency programs, including these reports, are designed to save more money from reduced purchased energy than they cost to implement. The complete costs of this program, including postage are included in this calculation.

24.2: Part of the cost to provide electricity service to the community is determined by the peak usage and quantity of energy consumed. In other words, the cost to the City is variable depending on how much electricity we use. If we can reduce use, some variable costs are avoided. For an individual residential customer, on the standard electric rate, reducing electricity usage will reduce your bill.

25. How much does the program cost?

25.1: LWP's energy efficiency programs are funded by the Electric Division budget and customer rates which are approved as part of the City's Budget. Energy efficiency programs, including these reports, are designed to save more money from reduced purchased energy than they cost to implement. This results in a net savings for the community on energy bills.

If you would like specifics on the actual costs of the program, please contact Lindsey Bashline at 970-962-3727 or Lindsey.Bashline@cityofloveland.org.

26. Why are reports sent by mail? What is the cost/environmental impact?

26.1: We do recognize that mailing paper reports to many of our customers has an environmental impact and additional expense. Participants have the option to receive the report via email and web portal, eliminating both the mailing costs and the paper used for that customer. We encourage customers to sign up for this option by calling 970-962-2111 or visiting www.cityofloveland.org/energyreports.

27. Why are reports mailed separately from the Utility Bill?

27.1: The reports are created and printed separately from where the utility bills are printed so we have found the logistics for getting the two paired together to be very difficult. In addition, adding the report to the utility bill which already includes the City Update, would increase the weight of the mailing over 1oz and increase the cost of postage.

28. Are my Home Energy Reports available via e-mail?

28.1: Yes. A Customer Service Representative can sign up customers for email reports, or customers can log in to their account on the Customer Web Portal (www.cityofloveland.org/energyreports) and select email reports under Report Settings on the "My Account" page. Customers can choose to receive both email and paper reports, or go completely paperless and receive just email reports.

Attachment E

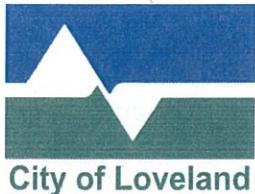
Project	Proj #	Type	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	5-Year Total (2015-2024)	10-Year Total (2015-2024)
TRANSMISSION/DISTRIBUTION PROJECTS														
2015 Water Line Replacement - Design/SDC	0 W1501C	Design/SDC	200,000	0	0	0	0	0	0	0	0	0	200,000	200,000
2015 Water Line Replacement - Construct	W1501C	Construct		1,700,000	0	0	0	0	0	0	0	0	1,700,000	1,700,000
36" Transmission Line Relining	0	0 Construct		0	0	0	0	0	0	4,642,140	0	0	0	4,642,140
Water Line Replacement (currently unidentified) Construct	0	0 Construct		0	4,443,680	0	0	0	0	0	0	0	4,443,680	4,443,680
Water Line Replacement (currently unidentified) Construct	0	0 Construct		0	0	0	0	7,228,240	0	0	0	0	7,228,240	7,228,240
Water Line Replacement (currently unidentified) Construct	0	0 Construct		0	0	0	0	0	0	11,605,340	0	0	0	11,605,340
PW COORD: S Loveland Outfall Ph 3: Sherri Mar Design/SDC	0	0 Design/SDC		0	0	0	0	183,870	0	0	0	0	183,870	183,870
PW COORD: S Loveland Outfall Ph 3: Sherri Mar Construct	0	0 Construct		0	0	0	0	0	1,104,100	0	0	0	0	1,104,100
East Gravity Zone 24" Phase 1 Design/SDC	0 W1016D	Design/SDC	0	0	0	0	411,250	97,420	0	0	0	0	411,250	508,670
East Gravity Zone 24" Phase 1 Construct	0 W1016D	Construct	0	0	0	0	0	2,208,200	0	0	0	0	0	2,208,200
East Gravity Zone 24" Phase 2 Design/SDC	0 W1017D	Design/SDC	0	0	0	0	0	668,950	137,650	0	0	0	0	806,600
East Gravity Zone 24" Phase 2 Construct	0 W1017D	Construct	0	0	0	0	0	0	3,282,850	0	0	0	0	3,282,850
East Gravity Zone 16" (Mountain View Discharge) Design/SDC	0	0 Design/SDC		0	0	0	0	0	194,840	103,230	0	0	0	298,070
East Gravity Zone 16" (Mountain View Discharge) Construct	0	0 Construct		0	0	0	0	0	0	1,032,340	0	0	0	1,032,340
Morning Drive 30" Phase 2 and P2 Yard Piping Design/SDC	0	0 Design/SDC		0	0	0	0	269,450	285,530	0	0	0	269,450	554,980
Morning Drive 30" Phase 2 and P2 Yard Piping Construct	0	0 Construct		0	0	0	0	0	3,506,970	0	0	0	0	3,506,970
5.0 MG 29th Street Water Storage Tank #2 Design/SDC	0	0 Design/SDC		0	0	0	0	658,240	169,340	0	0	0	658,240	827,580
5.0 MG Water Storage 29th Street Tank #2 Construct	0	0 Construct		0	0	0	0	6,388,670	0	0	0	0	6,388,670	6,388,670
Morning Drive Pump Station Upgrade Design/SDC	0	0 Design/SDC		0	0	0	0	211,330	121,800	0	0	0	211,330	333,130
Morning Drive Pump Station Upgrade Construct	0	0 Construct		0	0	0	0	0	913,510	0	0	0	0	913,510
SW Booster Station Design/SDC	0	0 Design/SDC		0	0	0	0	0	259,790	0	0	0	0	259,790
SW Booster Station Construct	0	0 Construct		0	0	0	0	0	0	2,752,920	0	0	0	2,752,920
2.0 MG Dakota Ridge Buried Concrete Tank P22 Design/SDC	0	0 Design/SDC		0	0	0	0	0	206,470	218,790	0	0	0	425,260
2.0 MG Dakota Ridge Buried Concrete Tank P22 Construct	0	0 Construct		0	0	0	0	0	0	5,105,110	0	0	0	5,105,110
Trans/Dist Meters (Wtr Dept)	0 WA900	Construct	100,000	104,770	110,190	116,110	122,580	129,890	137,650	145,860	154,560	163,790	553,650	1,285,400
TRANSMISSION/DISTRIBUTION TOTAL > \$1M														
TRANSMISSION/DISTRIBUTION TOTAL <= \$1M														
TRANSMISSION/DISTRIBUTION TOTAL														
WATER TREATMENT PLANT PROJECTS														
<i>Expansion</i>	0													
Admin/Office Renovation inc'g SCADA Impr Design/SDC	0	0 Design/SDC	0	0	0	0	0	0	116,690	61,830	0	0	0	178,520
Admin/Office Renovation inc'g SCADA Impr Construct	0	0 Construct	0	0	0	0	0	0	1,155,330	0	0	0	0	1,155,330
WATER TREATMENT PLANT TOTALS														
WATER TREATMENT PLANT TOTALS														
WATER TREATMENT PLANT TOTALS														
WATER RESOURCES PROJECTS														
Windy Gap Firming (W038AA)	W038AA	Design/SDC	1,000,000	1,257,290	22,038,630	0	0	0	0	0	0	0	24,295,920	24,295,920
Purchase CBT Water (W1014A)	W1014A	Design/SDC	200,000	209,550	550,970	566,500	590,570	615,670	641,840	669,120	697,560	727,200	2,117,590	5,468,980
WATER RESOURCES TOTAL > \$1M														
WATER RESOURCES TOTAL <= \$1M														
WATER RESOURCES TOTAL														

Attachment F

Project	Proj #	Design/SDC or Construct	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	5-Year Total (2015-2019)	10-Year Total (2015-2024)
WASTEWATER LINE REPLACEMENT PROJECTS														
<i>New Wastewater Lines</i>	0													
Boyd Intcp Ph 2-4 GLIC to Madison Design/SDC	0	Design/SDC	0	366,710	336,500	0	0	0	0	0	0	0	\$703,210	\$703,210
Boyd Intcp Ph 2-4 GLIC to Madison Construct	0	Construct	0	0	4,496,500	0	0	0	0	0	0	0	\$4,496,500	\$4,496,500
402 Sewer Line Solution Design/SDC	0	Design/SDC	0	0	0	0	0	0	412,940	364,650	0	0	\$0	\$777,590
402 Sewer Line Solution Construct	0	Construct	0	0	0	0	0	0	0	5,834,410	0	0	\$0	\$5,834,410
East Side Discharge Trunk to WWTP Design/SDC	0	Design/SDC	0	0	0	0	0	0	0	182,330	0	0	\$0	\$182,330
East Side Discharge Trunk to WWTP Construct	0	Construct	0	0	0	0	0	0	0	1,458,600	0	0	\$0	\$1,458,600
Rehab or Replace Wastewater Lines - General	W1301G	Construct	400,000	419,100	440,770	464,450	490,320	519,580	550,580	583,440	618,260	655,160	\$2,214,640	\$5,141,660
Construct														
WASTEWATER LINE REPLACEMENTS TOTAL >\$1M	0		\$400,000	\$785,810	\$5,273,770	\$464,450	\$490,320	\$519,580	\$963,520	\$8,423,430	\$618,260	\$655,160	\$7,414,350	\$18,594,300
WASTEWATER LINE REPLACEMENTS TOTAL <=\$1M	0		\$800,000	\$644,360	\$82,640	\$923,080	\$858,040	\$97,420	\$103,230	\$546,980	\$115,920	\$122,840	\$3,248,120	\$4,234,510
WASTEWATER LINE REPLACEMENTS TOTAL	0		\$1,140,000	\$1,430,170	\$5,356,410	\$1,387,530	\$1,348,360	\$617,000	\$1,066,750	\$8,970,410	\$734,180	\$778,000	\$10,662,470	\$22,828,810
WASTEWATER TREATMENT PLANT PROJECTS														
Digester System Improvements Design/SDC	W1251G	Design/SDC	134,200	0	0	0	0	0	0	0	0	0	\$134,200	\$134,200
Digester System Improvements Construct	W1251G	Construct	1,073,400	0	0	0	0	0	0	0	0	0	\$1,073,400	\$1,073,400
Bio Nutrient Removal Facilities Design/SDC	W1504H	Design/SDC	800,000	591,160	0	0	0	0	0	0	0	0	\$1,391,160	\$1,391,160
Bio Nutrient Removal Facilities Construct	W1504H	Construct	0	6,148,060	0	0	0	0	0	0	0	0	\$6,148,060	\$6,148,060
Blower #5 & Secondary Clarifier #4 Design/SDC	0	Design/SDC	0	0	0	0	0	0	646,940	0	0	0	\$0	\$646,940
Blower #5 & Secondary Clarifier #4 Construct	0	Construct	0	0	0	0	0	0	6,469,350	0	0	0	\$0	\$6,469,350
Project K Primary Clarifier Design/SDC	0	Design/SDC	0	0	0	0	0	0	0	0	414,700	405,210	\$0	\$819,910
Project K Primary Clarifier Construct	0	Construct	0	0	0	0	0	0	0	0	0	3,199,610	\$0	\$3,199,610
Project L Digested Sludge Dewatering (centrifuge) Design/SDC	0	Design/SDC	0	0	0	0	577,590	627,560	0	0	0	0	\$577,590	\$1,205,150
Project L Digested Sludge Dewatering (centrifuge) Construct	0	Construct	0	0	0	0	0	6,153,820	0	0	0	0	\$0	\$6,153,820
New Laboratory Building Design/SDC	0	Design/SDC	0	0	0	185,780	171,610	0	0	0	0	0	\$357,390	\$357,390
New Laboratory Building Construct	0	Construct	0	0	0	0	2,451,580	0	0	0	0	0	\$2,451,580	\$2,451,580
2015 WWTP Improvements (Bar Screens, Genr Fuel	W1505H	Design/SDC	250,000	0	0	0	0	0	0	0	0	0	\$250,000	\$250,000
2015 WWTP Improvements (Bar Screens, Genr Fuel	W1505H	Construct	1,350,000	0	0	0	0	0	0	0	0	0	\$1,350,000	\$1,350,000
Tank, Duct Work at Odor Cntrl Sys, Splitter Bx Rehab) Construct														
Digester #3 Design/SDC	0	Design/SDC	0	0	1,101,930	1,193,450	0	0	0	0	0	0	\$2,295,380	\$2,295,380
Digester #3 Construct	0	Construct	0	0	0	13,127,980	0	0	0	0	0	0	\$13,127,980	\$13,127,980
WASTEWATER TREATMENT PLANT TOTAL > \$1M			\$3,607,600	\$6,739,220	\$1,101,930	\$14,507,210	\$3,200,780	\$6,781,380	\$7,116,290	\$0	\$414,700	\$3,604,820	\$29,156,740	\$47,073,930
WASTEWATER TREATMENT PLANT TOTAL <= \$1M			\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$71,250	\$811,900	\$0	\$883,150
WASTEWATER TREATMENT PLANT TOTAL			\$3,607,600	\$6,739,220	\$1,101,930	\$14,507,210	\$3,200,780	\$6,781,380	\$7,116,290	\$0	\$485,950	\$4,416,720	\$29,156,740	\$47,957,080
WASTEWATER CAPITAL PLAN TOTAL > \$1M														
WASTEWATER CAPITAL PLAN TOTAL > \$1M			\$4,007,600	\$7,525,030	\$6,375,700	\$14,971,660	\$3,691,100	\$7,300,960	\$8,079,810	\$8,423,430	\$1,032,960	\$4,259,980	\$36,571,090	\$65,668,230
WASTEWATER CAPITAL PLAN TOTAL <= \$1M			\$740,000	\$644,360	\$82,640	\$923,080	\$858,040	\$97,420	\$103,230	\$546,980	\$187,170	\$934,740	\$3,248,120	\$5,117,660
WASTEWATER CAPITAL PLAN TOTAL			\$4,747,600	\$8,169,390	\$6,458,340	\$15,894,740	\$4,549,140	\$7,398,380	\$8,183,040	\$8,970,410	\$1,220,130	\$5,194,720	\$39,819,210	\$70,785,890

Attachment G

Project	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	5-Year Total (2015-2019)	10-Year Total (2015-2024)
CAPITAL BLANKETS												
Meter purchases/installs/upgrades	150,000	154,840	160,250	165,860	171,670	177,670	183,890	190,330	196,990	203,890	802,620	1,755,390
Underground Service installations/upgrades	200,000	206,450	213,670	221,140	228,880	236,900	245,190	253,770	262,650	271,840	1,070,140	2,340,490
CAPITAL BLANKETS TOTAL > \$1M	350,000	361,290	373,920	387,000	400,550	414,570	429,080	444,100	459,640	475,730	1,872,760	4,095,880
CAPITAL BLANKETS TOTAL <= \$1M	270,000	278,720	288,450	298,540	308,990	319,800	331,020	342,590	354,580	366,990	1,444,700	3,159,680
CAPITAL BLANKETS TOTAL	620,000	640,010	662,370	685,540	709,540	734,370	760,100	786,690	814,220	842,720	3,317,460	7,255,560
SPECIFIC PROJECTS												
SUBSTATION												
Security gates and fences at Substations	500,000	0	0	552,860	572,210	592,239	0	0	0	0	1,625,070	2,217,309
CUSTOMER ATC												
Transformers	245,000	252,900	261,740	270,900	280,380	290,200	300,350	310,870	321,750	333,010	1,310,920	2,867,100
Labor/Fleet & Other Materials	755,000	779,350	1,020,260	1,055,970	1,092,920	1,131,180	1,170,770	1,211,740	1,254,160	1,298,050	4,703,500	10,769,400
SYSTEM IMPROVEMENTS												
Underground blanket-development driven construction of lateral feeder extintions as required to meet new load requirements	150,000	154,830	213,660	276,430	286,100	296,110	306,480	317,200	328,310	339,800	1,081,020	2,668,920
Small 200 amp projects	125,000	129,030	133,540	138,220	143,050	148,060	153,240	158,610	164,160	169,900	668,840	1,462,810
Distribution Automation	110,000	113,550	117,520	121,630	125,890	130,290	134,850	139,570	144,460	149,510	588,590	1,287,270
Colorado Renewable Energy Standard Compliance	500,000	516,130	534,170	552,860	572,210	592,240	612,970	634,420	656,630	679,610	2,675,370	5,851,240
Planned Future Projects - General	0	0	0	0	1,105,720	1,258,870	2,368,960	2,451,870	3,172,110	3,283,130	3,398,040	17,038,700
Replace 200 amp cable from Carlisle to 1st St between Taft and Dotsero	0	0	1,726,210	0	0	0	0	0	0	0	1,726,210	1,726,210
Replace 200 amp cable from 29th to 37th between Taft and the Olde Golf Course	0	1,153,240	0	0	0	0	0	0	0	0	1,153,240	1,153,240
Replace 200 amp cable North of 16th from Madison to McKee Hospital South of 21st St	0	0	0	0	57,220	1,717,490	0	0	0	0	57,220	1,774,710
Replace 200 amp cable South of 29th from East of Monroe to Madison North of Silver Lake	0	0	0	0	0	0	61,300	1,586,050	0	0	0	1,647,350
Replace 200 amp cable North of 29th between Monroe and Silver Leaf	0	0	0	0	0	0	0	50,750	1,523,370	0	0	1,574,120
Replace 200 amp cable North of 43rd along Grant between 287 and Franklin	0	0	0	0	0	0	0	50,750	1,063,730	0	0	1,114,480
Replace 200 amp cable North of 37th to 43rd between N Taft and Boxelder Dr	0	0	0	1,935,020	0	0	0	0	0	0	1,935,020	1,935,020
Replace 200 amp cable 14th St SE to 28th St between Douglas and Roosevelt	0	0	0	0	0	0	0	0	65,660	1,699,020	0	1,764,680
Replace 200 amp cable S of 22nd to Eisenhower between Kennedy and Estrella	0	0	0	0	0	0	0	1,268,840	0	0	0	1,268,840
Replace 200 amp cable N of 22nd to 29th St between Estrella and Wilson Ave	0	0	0	0	0	0	0	65,660	1,834,940	0	0	1,900,600
CONVERSION PROJECTS												
Overhead to underground conversion (circuit 713) from 402 & Lincoln N to 1st St	0	0	0	44,230	1,155,870	0	0	0	0	0	1,200,100	1,200,100
Overhead to underground conversion along RR tracks N of 10th between RR Ave & Madison Ave - 600 amp	1,300,000	0	0	0	0	0	0	0	0	0	1,300,000	1,300,000
ROAD RELATED PROJECTS												
Miscellaneous Small Projects	100,000	103,230	106,830	276,430	286,110	296,120	306,480	317,210	328,310	339,800	872,600	2,460,520
STREET LIGHT PROJECTS												
Arterials/Major Collectors	150,000	154,840	160,250	165,860	171,660	177,670	183,890	190,330	196,990	203,880	802,610	1,755,370
Customer requests/Miscellaneous projects/Conversions to LED	200,000	206,450	213,670	221,140	228,880	236,900	245,190	253,770	262,650	271,840	1,070,140	2,340,490
TOTAL SPECIFIC PROJECTS > \$1M	4,135,000	3,563,550	4,487,850	6,717,270	6,231,370	7,977,459	5,927,390	9,662,220	9,658,970	10,717,400	25,135,040	69,078,479
TOTAL SPECIFIC PROJECTS <= \$1M	2,137,270	2,220,820	2,222,140	950,940	2,218,730	1,664,174	3,401,977	126,882	748,883	135,921	9,749,900	15,827,736
TOTAL SPECIFIC PROJECTS	6,272,270	5,784,370	6,709,990	7,668,210	8,450,100	9,641,633	9,329,367	9,789,102	10,407,853	10,853,321	34,884,940	84,906,215
PLANT INVESTMENT FEE PROJECTS												
SUBSTATION PIF PROJECTS												
New Substation to replace West Sub, North of W 22nd close to the water tank	0	1,383,230	1,431,560	1,481,670	0	0	0	0	0	0	4,296,460	4,296,460
New Substation in SW corner of City near Boedecker Lake	0	0	0	0	0	0	0	1,700,250	1,759,760	1,821,350	0	5,281,360
New Substation in SE corner of service territory	0	0	0	0	1,533,530	1,587,200	1,642,750	0	0	0	1,533,530	4,763,480
FEEDER PIF PROJECTS												
Blanket-development driven construction of miscellaneous primary feeder extintions as required to meet new load requirements	75,000	77,420	106,830	138,220	171,660	207,280	245,190	245,160	328,310	373,780	569,130	1,968,850
Hwy 402 extension	0	0	0	0	0	0	2,451,870	3,806,530	0	0	0	6,258,400
Transfer load from 1012 to 621, install 750 AL cable and conduit from Crossroads to Fairgrounds	50,000	980,650	0	0	0	0	0	0	0	0	1,030,650</td	



CITY OF LOVELAND

WATER & POWER DEPARTMENT

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AGENDA ITEM: 9

MEETING DATE: 4/15/2015

SUBMITTED BY: Kim O'Field, Technical Specialist

TITLE: Electric Legislative Update

DESCRIPTION:

This item and the attachment are intended to give a brief update on electric-related legislation being contemplated by the Colorado General Assembly. 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 sheets from CAMU. Please see attachment B for the legislative tracking for PRPA. Some recent activity and key state legislation affecting electric utilities are:

Creating a Tax Credit for Energy Efficiency Improvements – HB15-1132 creates income tax credits for individuals who make qualified energy efficient investments in their homes. There are questions about potential expenses to the State which may make this bill difficult to pass. This bill has been amended to Appropriations.

Expanding Community Solar Gardens – HB15-1284 seeks to allow community solar gardens to be located in adjacent counties to their retail customers. While the community solar garden statute does not apply to municipal utilities, CAMU is monitoring this bill out of concern that community solar garden developers may seek to allow development outside the retail customer's electric utility service territory. The amendments on March 18, 2015 address those concerns for municipalities.

Counting Community Solar Gardens as Retail Distributed Generation for Cooperatives – SB15-046 seeks to allow Rural Electric Coops (RECs) to count community solar gardens as retail distributed generation to meet their requirements under the Colorado RES. The bills also seeks to create a 3x multiplier for Coops and Municipalities for all retail distributed generation. Colorado Springs Utilities is working to amend this bill to extend the existing 3x solar multiplier to December, 2016. Currently the solar multiplier sunsets in June, 2015.

Renewable Energy Standard New Solar Extension Date – SB15-254 seeks to extend the existing 3-to-1 multiplier incentive for solar generation projects from July 2015 to December 31, 2016. This would apply to projects utilized by municipally owned utilities so long as the project is

under contract before August 15, 2015. This bill was introduced in the Senate on 3/27 and assigned to the Agriculture, Natural Resources and Energy committee.

Promote Policies for Investment in Broadband – This Senate Joint Resolution SJR15-018 promotes the encouragement of state and local governments to enact policies that promote private investment in broadband allowing for increased higher speeds and competition in the network video service provider market.

CAMU Metrics:

Total bills introduced (04/06): 597

Total bills tracked: 19 (3% of total)

CAMU Positions on Active Bills:

Monitor – 11

Support – 2

Oppose – 1

Amend – 0

Deliberating – 5

RECOMMENDATION:

Information item only. No action required.

REVIEWED BY DIRECTOR:

HP for SA

ATTACHMENTS:

- **Attachment A:** CAMU Legislative Tracking Sheet
- **Attachment B:** PRPA Legislative Tracking Sheet

Attachment A



Colorado Association of Municipal Utilities 2015 State Legislative Tracking Sheet

[HB15-1006](#)

Invasive Phreatophyte Grant Program

Comment:

EOC opposes.

Position:

Oppose

Summary:

Bill is funded by removing funds from accounts used for energy assistance programs.

Status:

01/07/2015 Introduced In House - Assigned to Agriculture, Livestock, & Natural Resources + Appropriations

02/02/2015 House Committee on Agriculture, Livestock, & Natural Resources Refer Amended to Appropriations

[HB15-1121](#)

Wind Energy Devel Agreement Recording & Expiration

Comment:

Monitor

Position:

Current law declares that the right to wind energy is a property right appurtenant to the surface estate and governs the creation of agreements between an owner of surface rights and a wind energy developer. The bill amends and adds relevant definitions, including the definition of a wind energy developer of record, which is the wind energy developer named in an agreement that is recorded in county land records. The bill also specifies that:

* Like other agreements affecting the title to real property, until a wind energy agreement is recorded, it is not binding on anyone other than the parties and those with notice of the agreement.

* Rights under a recorded wind energy agreement executed on or after July 1, 2012, expire after 15 years unless the agreement provides otherwise or unless wind-powered energy generation has occurred on the subject property.

* Once a wind energy developer has determined to begin construction of generating facilities under a wind energy agreement, the developer may record an affidavit stating when construction will begin. If no affidavit is recorded, the developer's rights will expire after 15 years unless the agreement provides otherwise.

* A wind energy agreement, as well as any release due to the termination or expiration of rights under the agreement, must be recorded in both the grantor and grantee indices and under the names of all parties.

* If a recorded wind energy agreement expires or is terminated, the wind energy

developer of record is required to record a release. If the developer fails to do so within a specified period, the developer and any transferee of the developer's rights under the agreement are jointly and severally liable for any damages to the surface owner that result from the failure to record the release.

Status:

01/16/2015 Introduced In House - Assigned to Transportation & Energy
01/28/2015 House Committee on Transportation & Energy Refer Unamended to House Committee of the Whole
02/02/2015 House Second Reading Passed - No Amendments
02/03/2015 House Third Reading Passed - No Amendments
02/06/2015 Introduced In Senate - Assigned to Agriculture, Natural Resources, & Energy
02/19/2015 Senate Committee on Agriculture, Natural Resources, & Energy Refer Unamended - Consent Calendar to Senate Committee of the Whole
02/24/2015 Senate Second Reading Passed - No Amendments
02/25/2015 Senate Third Reading Laid Over Daily - No Amendments
02/26/2015 Senate Third Reading Passed - No Amendments
03/04/2015 Signed by the Speaker of the House
03/05/2015 Signed by the President of the Senate
03/05/2015 Sent to the Governor
03/13/2015 Governor Signed

HB15-1132**Residential Energy Efficiency Tax Credit**

Comment:

Position:

Support

Summary:

The bill creates a residential energy reduction income tax credit for the income tax years commencing on or after January 1, 2015, but prior to January 1, 2020, for any resident individual who makes qualified improvements to their home that result in improved energy efficiency, measured in millions of British thermal units (MMBTU). In order to claim the credit, a resident individual must seek a credit certificate from the Colorado energy office (office) and must also obtain a pre-improvement residential energy efficiency audit from a certified home energy rater. After the improvements are made, a post-improvement inspection must be conducted that establishes the net residential energy reduction as compared to the pre-improvement residential energy efficiency audit. For a qualified residence, the tax credit is equal to:

* \$1,000 for a residential energy reduction of 30 or more but less than 45 MMBTU;
* \$1,500 for a residential energy reduction of 45 or more but less than 60 MMBTU; or
* \$2,000 for a residential energy reduction of 60 or more MMBTU. The bill also specifies that the office has the authority to reduce the amount of the tax credit by an amount less than or equal to any available residential energy efficiency utility rebates or other such incentives available through the office, and requires the office to post guidelines on its web site to explain how this reduction will occur. The bill also allows the office to reduce a tax credit, after an accounting of the cost of the qualified improvements, if the costs are not sufficient to justify a full tax credit, notwithstanding the MMBTU residential energy reduction for the qualified residence. The bill requires the office to post guidelines on its web site to explain how a tax credit could be reduced dependent on the cost of the qualified improvements. The tax credit is nonrefundable, but it is allowed to be carried forward as an offset to future tax liability for a period of 5 years.

Status:

01/22/2015 Introduced In House - Assigned to Transportation & Energy + Finance + Appropriations
02/11/2015 House Committee on Transportation & Energy Refer Amended to Finance

HB15-1197**Indemnity In Public Construction Contracts**

Comment:	Bill stems from disputes between Denver and architects and engineers called to testify on behalf of the City on public works disputes. Amended to limit scope to professional design firms.
Position:	Monitor
Summary:	<p>Currently, public entities in construction-related contracts are prohibited from being indemnified for the public entity's own negligence. The bill clarifies this provision by specifying that:</p> <ul style="list-style-type: none"> * It also applies to a design contract and to an obligation to pay for the defense of the public entity; * The contractor's obligation is limited to the amount of negligence attributable to the contractor and its agents, representatives, subcontractors, and suppliers; and * The obligation only arises when the amount of its liability for the losses of the third party are adjudicated.
Status:	<p>02/02/2015 Introduced In House - Assigned to Judiciary 02/26/2015 House Committee on Judiciary Refer Amended to House Committee of the Whole 03/06/2015 House Second Reading Passed with Amendments - Committee, Floor 03/09/2015 House Third Reading Passed - No Amendments 03/12/2015 Introduced In Senate - Assigned to Judiciary 03/23/2015 Senate Committee on Judiciary Refer Amended - Consent Calendar to Senate Committee of the Whole 03/26/2015 Senate Second Reading Passed with Amendments - Committee 03/27/2015 Senate Third Reading Passed - No Amendments 03/30/2015 House Considered Senate Amendments - Result was to Concur - Repass 04/01/2015 Signed by the Speaker of the House 04/02/2015 Signed by the President of the Senate 04/02/2015 Sent to the Governor</p>

HB15-1219**EZ Investment Tax Credit For Renewable Energy**

Comment:	
Position:	Monitor
Summary:	<p>Current law allows for an investment tax credit if a taxpayer makes a qualified investment in an enterprise zone. The tax credit can be carried forward by a taxpayer and it is not refundable. The bill allows a taxpayer who places a new renewable energy investment in service on or after January 1, 2015, that results in an investment tax credit to elect to receive a refund of 80% of the amount of the credit and forego the remaining 20% as a cost of the election. If 80% of the credit is \$750,000 or less, the taxpayer receives the full refund in the first year. If 80% of the credit is more than \$750,000, the taxpayer annually receives a refund not to exceed \$750,000 per income tax year until 80% of the credit is completely refunded to the taxpayer. The bill also requires the Colorado economic development commission to annually post on its web site, or on the web site of the Colorado office of economic development, the level of renewable energy investment on and after the effective date of the bill. Finally, the bill changes the definition of renewable energy investment. In current law it refers specifically to solar thermal electric, photovoltaic, landfill gas, wind, biomass, hydroelectric, geothermal electric, recycled energy, anaerobic digestion, or renewable fuel cell projects. The bill changes the definition to projects that generate electricity</p>

from eligible energy resources that an electric utility may use to comply with Colorado's renewable energy standard.

Status: 02/10/2015 Introduced In House - Assigned to Transportation & Energy + Finance + Appropriations
03/04/2015 House Committee on Transportation & Energy Refer Unamended to Finance
03/25/2015 House Committee on Finance Refer Amended to Appropriations

HB15-1225**Federal Land Coordination**

Comment:

Position: **Monitor**

Summary:

The bill requires the governor, in cooperation with the executive director of the department of natural resources, the commissioner of agriculture, and the executive director of the department of local affairs, to make available to interested local governments technical support to aid local governments in:

- * Entering into cooperating agency relationships with federal agencies;
- * Sharing information and expertise with federal land managers;
- * Developing local land use plans;
- * Hiring consultants to perform analyses of local government interests;
- * Entering into memoranda of understanding with federal land management agencies; or
- * Similar methods to improve coordination, cooperation, and collaboration in federal land management decision-making. The bill allows the governor to establish an advisory committee to provide technical assistance for one or more federal land management decision-making processes if the governor determines that the advisory committee would provide effective and efficient technical support for collaborative engagement. The bill requires the governor, in cooperation with the executive director of the department of natural resources, the commissioner of agriculture, and the executive director of the department of local affairs, to notify local governments of the availability of technical assistance. The bill specifies that grant moneys may be awarded from the local government mineral impact fund for planning, analyses, public engagement, and coordination and collaboration with federal land managers and stakeholders, or for similar or related local government processes needed by local governments for engagement in federal land management decision-making.

Status:

02/17/2015 Introduced In House - Assigned to Local Government
02/26/2015 House Committee on Local Government Refer Amended to Appropriations
03/06/2015 House Committee on Appropriations Refer Amended to House Committee of the Whole
03/09/2015 House Second Reading Passed with Amendments - Committee
03/10/2015 House Third Reading Passed - No Amendments
03/12/2015 Introduced In Senate - Assigned to Local Government
03/24/2015 Senate Committee on Local Government Refer Unamended to Appropriations

HB15-1236**Tax Credit For Improving Energy Efficiency**

Comment:

Position: **Monitor**

Summary:

The bill creates income tax credits for a limited number of years for:
* An owner of an existing multi-family home if the owner makes energy efficiency

improvements to the multi-family home that result in at least a 20% reduction in energy consumption;

- * An owner of a new multi-family home or multi-family home undergoing major renovation, or an owner of a new commercial building or commercial building undergoing major renovation, if the building achieves at least a specified percentage of energy savings relative to energy consumption and either achieves LEED or green globes certification for the construction or renovation; and
- * An owner, or multiple owners prorated according to ownership shares, of a new affordable housing project or affordable housing project undergoing major renovation, if the building achieves at least a specified percentage of energy savings relative to energy consumption and meets enterprise green community energy efficiency standards for the construction or renovation. The bill requires the owner to provide certain documentation to the Colorado energy office and requires the Colorado energy office to issue credit certificates to the owner for the tax credit.

Status: 02/19/2015 Introduced In House - Assigned to Transportation & Energy + Finance
03/05/2015 House Committee on Transportation & Energy Refer Amended to Finance

[**HB15-1250**](#) **Explore Performance-based Utility Regulation**

Comment: **Monitor**

Position: **Monitor**

Summary: Applies to IOUs only.

Status: 02/27/2015 Introduced In House - Assigned to Transportation & Energy
03/25/2015 House Committee on Transportation & Energy Refer Unamended to Finance

[**HB15-1264**](#) **Homeless Persons' Bill Of Rights**

Comment: **Monitor for definition of public space.**

Position: **Monitor**

Summary: The bill creates the "Colorado Right to Rest Act", which establishes basic rights for persons experiencing homelessness, including, but not limited to, the right to use and move freely in public spaces without discrimination, to rest in public spaces without discrimination, to eat or accept food in any public space where food is not prohibited, to occupy a legally parked vehicle, and to have a reasonable expectation of privacy of one's property. A person whose rights have been violated may seek enforcement in a civil action, and a court may award relief and damages as appropriate. The bill does not create an obligation for a provider of services for persons experiencing homelessness to provide shelter or services when none are available.

Status: 03/04/2015 Introduced In House - Assigned to State, Veterans, & Military Affairs

[**HB15-1284**](#) **Expand Scope Shared Photovoltaic Facilities**

Comment: **40-2-127 does not apply to MOUs.**

Position: **Monitor**

Summary: Under Colorado's renewable energy standard, qualifying retail utilities are required to obtain a portion of their energy from renewable sources, including customer-sited facilities such as rooftop solar panels. Recent legislation allowed customers who wished to install such facilities, but whose property was not well suited to that purpose, to buy into a centrally located facility with other customers (subscribers). This

arrangement is known as a community solar garden or CSG. The existing CSG statute requires a subscriber to live in the same county as the CSG unless the subscriber lives in a county with a population of less than 20,000, in which case the CSG may be in an adjacent county that also has a population of less than 20,000. The bill deletes these population requirements. It also increases the minimum number of subscribers in a CSG from the current minimum of 10 to at least 25 for installations larger than 500 kilowatts. Provisions governing a utility's recovery of costs attributable to operation of a CSG are amended to more precisely define the types of costs for which recovery is allowed and the methods by which they may be recovered.

Status: 03/13/2015 Introduced In House - Assigned to Transportation & Energy
03/18/2015 House Committee on Transportation & Energy Refer Amended to House Committee of the Whole
03/23/2015 House Second Reading Passed with Amendments - Committee
03/24/2015 House Third Reading Passed - No Amendments
03/25/2015 Introduced In Senate - Assigned to Agriculture, Natural Resources, & Energy

HB15-1319**PUC Membership Geographic Representation**

Comment:

Position:

Summary: The bill increases the membership of the public utilities commission from 3 to 5, with 2 of the commissioners representing the state at large and 3 representing one district each. The districts are defined to include named counties, consisting roughly of the western slope, the northeastern quadrant of the state, and the southeastern quadrant of the state.

Status:

03/30/2015 Introduced In House - Assigned to Transportation & Energy

HB15-1330**Social Cost Of Carbon In Certain Fiscal Notes**

Comment:

Position:

Summary: The bill requires legislative council staff (staff) to include the social cost of carbon in the fiscal note for an electricity generation measure, which is a bill or concurrent resolution that is expected to cause a significant increase or decrease in the generation of electricity from a renewable or nonrenewable source by or on behalf of a qualifying retail utility. The social cost of carbon consists of:

- * An estimate of the increase or decrease in carbon emissions that results from the measure; and
- * A monetization of the change in carbon emissions, which may be expressed with a range. For measures that require the social cost of carbon analysis, staff has 30 days from the measure's introduction to prepare the fiscal note, and during this time any legislative deadlines are tolled. If a reengrossed version of the measure has a significant change in the social cost of carbon, staff is required to update its estimate if possible. Staff is not required to include the social cost of carbon in the fiscal note for an electricity-generation measure that is introduced after the 88th day of a regular legislative session or during a special session, but it may prepare one if possible. State departments, agencies, and institutions are required to provide requested information to staff.

Status:

04/01/2015 Introduced In House - Assigned to Transportation & Energy
04/01/2015 Introduced In House - Assigned to State, Veterans, & Military Affairs +

HB15-1332**Inc Tax Credit For Distributed Energy Resource Sys****Comment:****Position:****Summary:**

For income tax years commencing on or after January 1, 2015, but prior to January 1, 2018, the bill allows to any qualified taxpayer a one-time refundable income tax credit against the taxes due in an amount equal to the lesser of 30% of the taxpayer's total cost or \$50,000 for purchasing and installing the equipment necessary to generate electricity using hydroelectricity, wind, or biomass resources. For purposes of this income tax credit, a qualified taxpayer is a resident individual or a partnership, S corporation, or other similar pass-through entity that:

- * Is an end-use electricity customer of a cooperative electric association or a municipal electric utility; and
- * Generates electricity on the customer's side of the meter using qualified equipment. The bill requires the Colorado energy office to issue credit certificates up to an aggregate capped amount to taxpayers who have met all the requirements of the tax credit.

Status:

04/01/2015 Introduced In House - Assigned to Transportation & Energy + Finance

SB15-046**Renewable Energy Std Adjust REAs Distributed Gen****Comment:****Position:****Monitor****Summary:**

Under Colorado's renewable energy standard, by the year 2020, cooperative electric associations and municipally owned electric utilities will be required to obtain at least 10% and, in the case of a large cooperative serving 100,000 or more customers, 20% of the electricity they sell at retail from renewable sources. Renewable sources include "retail distributed generation", defined as a renewable energy resource located on the site of the customer's facilities and interconnected on the customer's side of the meter. Rooftop solar panels are the most common form of retail distributed generation. The bill allows these utilities to count each kilowatt-hour of electricity obtained through retail distributed generation as 3 kilowatt-hours for purposes of meeting the 2020 standard. In addition, the bill allows cooperative electric associations to use purchases from community solar gardens to meet the retail distributed generation component of the renewable energy standard.

Status:

01/07/2015 Introduced In Senate - Assigned to Agriculture, Natural Resources, & Energy
 03/05/2015 Senate Committee on Agriculture, Natural Resources, & Energy Refer Amended - Consent Calendar to Senate Committee of the Whole
 03/10/2015 Senate Second Reading Passed with Amendments - Committee
 03/11/2015 Senate Third Reading Passed - No Amendments
 03/16/2015 Introduced In House - Assigned to Transportation & Energy
 03/25/2015 House Committee on Transportation & Energy Refer Unamended to House Committee of the Whole
 03/27/2015 House Second Reading Passed - No Amendments
 03/30/2015 House Third Reading Passed - No Amendments

SB15-063**Alternative Energy For Schools Grant Program**

Comment:

Position:

Summary:

Monitor

The bill takes the existing wind for schools grant program enacted in 2007 and broadens the program to include other types of electricity generated from eligible energy resources. The 2007 program allowed for grants not to exceed \$5,000 to be provided to public schools and community colleges for wind generation projects, was funded by federal "American Recovery and Reinvestment Act" money, required the schools to work with the national renewable energy laboratory to establish the projects, and was overseen by the Colorado energy office. This expanded program allows for grants not to exceed \$15,000 and continues to be overseen by the Colorado energy office. Because the national renewable energy laboratory no longer accepts applications for these grants, the bill also removes the requirement for a school to partner with the national renewable energy laboratory.

Status:

01/12/2015 Introduced In Senate - Assigned to Agriculture, Natural Resources, & Energy

02/11/2015 Senate Committee on Agriculture, Natural Resources, & Energy Refer Amended to Appropriations

SB15-254

Renewable Energy Std New Solar Extend Date

Comment:

Position:

Summary:

Support

Under current law, a 3-to-1 multiplier applies to each kilowatt-hour of electricity generated from solar electric generation technologies that begin producing electricity on or before July 1, 2015, for purposes of meeting the portfolio standards established for cooperative electric associations and municipally owned utilities that are qualifying retail utilities as part of Colorado's renewable energy statute. The bill extends this deadline to December 31, 2016, for municipally owned utilities.

Status:

03/27/2015 Introduced In Senate - Assigned to Agriculture, Natural Resources, & Energy

SB15-258

Coordinated Review CO2 Emission Reduction Measures

Comment:

Position:

Summary:

The bill requires that, before the Colorado air quality control commission adopts a state plan for the reduction of carbon dioxide emissions by Colorado electric utilities in accordance with federal regulations, the proposed plan be:

- * Reviewed by the Colorado public utilities commission (PUC) to determine, among other things, its likely impact on the rates paid for electricity by consumers;
- * Evaluated by the PUC in a decision that is accompanied by a report summarizing the effects of the plan on rates, reliability, and Colorado's economy; and
- * Adopted by both houses of the general assembly in a joint resolution approved by a majority vote.

Status:

04/02/2015 Introduced In Senate - Assigned to Agriculture, Natural Resources, & Energy

SB15-261

Utility's Public Notice Of Schedule Changes

Comment:

Position:**Summary:**

Public utilities other than rail carriers must provide notice to the public utilities commission (commission) and the public of any change in a rate, fare, toll, rental, charge, classification, service, privilege, or facility by filing with the commission a new schedule stating the changes to be made and the time when the changes will go into effect. Additionally, a public utility that is required to provide such notice, other than a transportation or water utility, must provide an additional form of notice to the public concerning the change. Currently, if the public utility wishes to provide additional public notice by a method other than newspaper publication, a bill insert for affected customers, or a separate mailing to affected customers, the public utility must apply to the commission for approval of such other manner of additional notice. An application for approval invokes a new proceeding before the commission. The bill, in changing the word "application" to "request", would not invoke a new commission proceeding to effectuate a public utility's request for an alternative method of providing additional public notice. It would permit the public utility to file a motion seeking an alternative method of providing additional public notice within the existing proceeding.

Status:

04/02/2015 Introduced In Senate - Assigned to Judiciary

SJR15-018**Promote Policies For Investment In Broadband**

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

*** No bill summary available ***

Status:

03/17/2015 Introduced In Senate - Assigned to Business, Labor, & Technology

Attachment B

2015 PRPA Legislative Tracking Report

Bill No.	Title	Category	Position	Status
HB15-1038	Flexible Water Markets	Water	Monitor	Senate Committee on Agriculture, Natural Resources, & Energy Postpone Indefinitely (03/05/2015)
HB15-1118	Hydroelectric Power	Hydro	Monitor	House Committee on State, Veterans, & Military Affairs Postpone Indefinitely (02/18/2015)
HB15-1121	Wind Energy Devel Agreement Recording & Expiration	Wind	Monitor	Governor Signed (03/13/2015)
HB15-1132	Residential Energy Efficiency Tax Credit	Energy Credit	Support	House Committee on Finance Refer Amended to Appropriations (02/26/2015)
HB15-1145	Implement Federal Radioactive Materials Audit	Environment	Support	Sent to the Governor (03/30/2015)
HB15-1159	Instream Flow Incentive Tax Credit	Water	Monitor	House Third Reading Passed - No Amendments (04/02/2015)
HB15-1166	South Platte Alluvial Aquifer Monitoring Network	Water	Monitor	Senate Committee on Agriculture, Natural Resources, & Energy Refer Unamended to Appropriations (03/26/2015)
HB15-1167	South Platte River Mainstem Storage Study	Water	Monitor	House Committee on Appropriations Postpone Indefinitely (03/27/2015)
HB15-1178	Emergency Well Pumping Damaging High Groundwater	Water	Monitor	House Committee on Agriculture, Livestock, & Natural Resources Refer Amended to Appropriations (03/02/2015)
HB15-1197	Indemnity In Public Construction Contracts	Construction	Monitor	Sent to the Governor (04/02/2015)
HB15-1210	GA Review Envltl Rules Required In Lieu Fed Law	Environment	Monitor	House Committee on State, Veterans, & Military Affairs Postpone Indefinitely (03/16/2015)
HB15-1219	EZ Investment Tax Credit For Renewable Energy	Tax	Monitor	House Committee on Finance Refer Amended to Appropriations (03/25/2015)
HB15-1222	Water Efficiency Savings Instream Use Pilot	Water	Monitor	Senate Committee on Finance Postpone Indefinitely (03/26/2015)
HB15-1230	Innovative Industry Workforce Development Program	Workforce Development	Monitor	House Committee on Business Affairs and Labor Refer Amended to Appropriations (03/26/2015)
HB15-1236	Tax Credit For Improving Energy Efficiency	Tax	Monitor	House Committee on Transportation & Energy Refer Amended to Finance (03/05/2015)
HB15-1250	Explore Performance-based Utility Regulation	Regulatory	Monitor	House Committee on Transportation & Energy Refer Unamended to Finance (03/25/2015)
HB15-1258	FAMLI Insurance Program Wage Replacement	Labor	Monitor	House Committee on Health, Insurance, & Environment Refer Amended to Finance (03/19/2015)
HB15-1264	Homeless Persons' Bill Of Rights	Property Rights	Monitor	Introduced In House - Assigned to State, Veterans, & Military Affairs (03/04/2015)
HB15-1284	Expand Scope Shared Photovoltaic Facilities	Renewable Energy	Monitor	Introduced In Senate - Assigned to Agriculture, Natural Resources, & Energy (03/25/2015)

2015 PRPA Legislative Tracking Report

Bill No.	Title	Category	Position	Status
HB15-1300	Local Government Minimum Wage	Labor	Monitor	House Third Reading Passed - No Amendments (03/31/2015)
HB15-1319	PUC Membership Geographic Representation	PUC	Monitor	Introduced In House - Assigned to Transportation & Energy (03/30/2015)
HB15-1330	Social Cost Of Carbon In Certain Fiscal Notes		Monitor	Introduced In House - Assigned to State, Veterans, & Military Affairs + Appropriations (04/01/2015)
HB15-1332	Inc Tax Credit For Distributed Energy Resource Sys		Monitor	Introduced In House - Assigned to Transportation & Energy + Finance (04/01/2015)
SB15-009	Public Building Woody Biomass Energy Grant Program	Energy - Biomass	Monitor	Senate Committee on Agriculture, Natural Resources, & Energy Postpone Indefinitely (01/15/2015)
SB15-044	Electric Renewable Energy Standard Reduction	Energy - Renewable Standard	Monitor	House Committee on State, Veterans, & Military Affairs Postpone Indefinitely (03/02/2015)
SB15-046	Renewable Energy Std Adjust REAs Distributed Gen	Energy - Renewable Standard	Monitor	House Third Reading Passed - No Amendments (03/30/2015)
SB15-063	Alternative Energy For Schools Grant Program	Schools - Alternative Energy	Monitor	Senate Committee on Agriculture, Natural Resources, & Energy Refer Amended to Appropriations (02/11/2015)
SB15-075	Exempt Well Irrigate Up To 1 Acre Commercial Crops		Monitor	Senate Committee on Agriculture, Natural Resources, & Energy Postpone Indefinitely (02/04/2015)
SB15-084	Water Right Partial Historical Consumptive Use	Water	Monitor	Senate Committee on Agriculture, Natural Resources, & Energy Postpone Indefinitely (02/11/2015)
SB15-092	Multi-agency Review Of State Carbon Emission Plan	Air Quality	Monitor	Senate Committee on State, Veterans, & Military Affairs Postpone Indefinitely (03/04/2015)
SB15-107	Classification Of Independent Contractors	General Business	Monitor	Introduced In Senate - Assigned to Business, Labor, & Technology (01/23/2015)
SB15-120	Electric Grid Modernization Plans	Grid	Monitor	Senate Committee on Agriculture, Natural Resources, & Energy Postpone Indefinitely (02/12/2015)
SB15-183	Quantify Water Rights Historical Consumptive Use	Water	Monitor	Introduced In House - Assigned to Agriculture, Livestock, & Natural Resources (03/20/2015)
SB15-212	Storm Water Facilities Not Injure Water Rights	Water	Monitor	Introduced In Senate - Assigned to Agriculture, Natural Resources, & Energy (03/12/2015)
SB15-252	Energy Loans For School Energy Audits	School	Monitor	Introduced In Senate - Assigned to Agriculture, Natural Resources, & Energy + Finance (03/24/2015)
SB15-254	Renewable Energy Std New Solar Extend Date	Renewable Energy - Solar	Monitor	Introduced In Senate - Assigned to Agriculture, Natural Resources, & Energy (03/27/2015)
SB15-258	Coordinated Review CO2 Emission Reduction Measures		Monitor	Introduced In Senate - Assigned to Agriculture, Natural Resources, & Energy (04/02/2015)
SB15-261	Utility's Public Notice Of Schedule Changes		Monitor	Introduced In Senate - Assigned to Judiciary (04/02/2015)



CITY OF LOVELAND

WATER & POWER DEPARTMENT

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AGENDA ITEM: 10

MEETING DATE: 4/15/2015

SUBMITTED BY: Michelle Stalker, Technical Specialist

MS

TITLE: Water Legislative Update

DESCRIPTION:

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

SUMMARY:

The Second Regular Session of the Seventieth Colorado General Assembly convened on January 7, 2015 and will run through May 6, 2015. The Colorado Water Congress, through its State Affairs Committee, is currently tracking house and senate bills related to water.

Attachment A is an extensive Bill dossier documenting relevant actions.

Of these, there are a few bills that may impact Loveland and Northern Water:

1. HB15-1016 Precipitation Harvesting Incentives
2. HB15-1038 Flexible Water Markets
3. HB15-1159 Instream Flow Incentive Tax Credit
4. HB15-1167 Creating Additional South Platte Basin Water Supplies
5. HB15-1166 South Platte Tributary Groundwater Monitoring Network
6. HB15-1178 State Engineer Authority to Lower Water Table
7. SB15-055 State Engineer Administration of Tailwater Ditches

RECOMMENDATION:

Information item only. No action required

REVIEWED BY DIRECTOR:

HP for SA

ATTACHMENTS:

- **Attachment A:** Colorado Water Congress, State Affairs Committee, Water Bill Status, April 8, 2014.
- **Attachment B:** Colorado Water Congress, State Affairs Committee, Water Bill Dossier, April 6, 2015.

Attachment A

Bill No.	Short Title	CWC Position	First House				Second House				3rd Reading	First House Repass	Conference Committee	Governor
			Introduced	1st Committee	2nd Committee	2nd Reading	3rd Reading	Introduced	1st Committee	2nd Committee				
HB15-1006	Invasive Phreatophyte Grant Program	Support	1/7	2/2 Ag	4/2 Ap	4/10								
HB15-1013	South Platte Aquifer Study Recommendations	Amend	1/7	1/26 Ag	4/2 @ 8am Ap	4/6	4/7							
HB15-1016	Incentives for Precipitation Harvesting	No Position	1/7	3/19 F	4/2 @ 8am Ap									
HB15-1038	Flexible Water Markets	Support	1/7	2/2 Ag			2/10	2/17	3/5 Ag PI					
HB15-1057	The Statewide Initiative Process	Support	1/7	SVMA										
HB15-1093	Exceptions Efficient Plumbing Fixtures Requirements	Oppose	1/14	2/4 SVMA PI										
HB15-1118	Hydroelectric Power	No Position	1/15	2/18 SVMA PI										
HB15-1144	Prohibit Plastic Microbeads Personal Care Products	Support	1/28	2/10 PHCHS		2/13	2/17	2/25	3/5 Ag		3/10	3/11		
HB15-1159	Instream Flow Incentive Tax Credit	No Position	1/29	3/12 F	3/27 Ap	3/30	4/2							
HB15-1166	South Platte Alluvial Aquifer Monitoring Network	Support	1/29	2/9 Ag	2/20 Ap	2/24	2/25	3/3	3/26 Ag	Ap				
HB15-1167	South Platte River Mainstem Storage Study	Support	1/29	2/25 Ag	3/27 Ag PI									
HB15-1178	Emergency Well Pumping Damaging High Groundwater	Amend	1/29	3/2 Ag	Ap									
HB15-1210	GA Review Envrtl Rules Required in Lieu Fed Law	Monitor	2/3	3/16 SVMA PI										
HB15-1222	Water Efficiency Savings Instream Use Pilot	No Position	2/17	3/9 Ag		3/16	3/17	3/17	3/26 F PI					
HB15-1247	State Engineer Dam Safety Review Fees	Amend	2/25	F										
HB15-1249	Water Quality Fees	Monitor	2/27	3/25 F	Ap									
HB15-1252	Extend Healthy Rivers Fund Voluntary Contribution	Support	3/2	3/25 @ 1:30 F	4/2 @ 8am Ap	4/6	4/7							
HB15-1259	Residential Precipitation Collection Rain Barrels	No Position	3/4	3/16 Ag		3/20	3/23	3/25	4/16 @ 1:30 Ag					
HB15-1277	Species Conservation Trust Fund	Support	3/9	3/23 Ag	4/2 Ap	4/6	4/7							
HB15-1278	Use Ag Water Rights to Cultivate Marijuana	No Position	3/9	4/6 Ag PI										
HJR15-1006	Water Projects Revolving Fund Eligibility Lists	Support	1/15	1/26 Ag		1/28	1/29	2/4 Ag			2/9			
SB15-008	Water Conservation in Land Use Planning	Support	1/7	1/14 Ag	2/13 Ap	2/20	2/24	2/27	3/16 Ag	3/27 Ap	3/30	3/31		
SB15-010	Repeal New Augmentation Standard Dawson Aquifer	Support	1/7	1/14 Ag		1/20	1/21	1/22	2/4 @ AU Ag		2/9	2/10		3/13
SB15-017	Appellate Process for Decisions About Groundwater	No Position	1/7	1/28 Ag	2/4 J PI									
SB15-055	Administration of Tailwater	Support	1/12	2/5 Ag		2/10	2/11	2/17	3/2 Ag		3/6	3/9		3/26
SB15-64	Application of State Water Law to Federal Agencies	Support	1/14	2/12 Ag		2/18	2/19	3/2	3/16 SVMA PI					
SB15-75	Exempt Well Irrigate up to 1 Acre Commerical Crops	Oppose	1/14	2/4 Ag PI										
SB15-84	Water Right Partial Historical Consumptive Use	Support	1/14	2/5 Ag	2/11 Ag PI									
SB15-121	Drinking Water Fund Assistance Nonprofit Entities	Support	1/26	2/5 Ag	2/20 Ap	2/24	2/26	3/3	3/18 Ag	3/27 Ap	3/30	3/31		
SB15-183	Quantify Water Rights Historical Consumptive Use	Support	2/17	3/5 Ag		3/16	3/17	3/20	4/6 Ag					
SB15-198	Expand Fallowing Pilot Program Nonmunicipal Use	No Position	3/3	3/12 Ag		3/17	3/18	3/23	3/30 @ 1:30 Ag		4/1			
SB15-212	Stormwater Facilities Not Injure Water Rights	Support	3/12	4/16 @ 1:30 Ag										

Bill No.	Short Title	CWC Position	First House				Second House				First House Repass	Conference Committee	Governor
			Introduced	1st Committee	2nd Committee	2nd Reading	3rd Reading	Introduced	1st Committee	2nd Committee	2nd Reading	3rd Reading	
SB15-224	Building Foundations Well Permit Exemptions	No Position	3/20	4/15 @ UA Ag									
SB15-253	CWCB Construction Fund Project	Support	3/27	4/16 @ 1:30 Ag									
SB15-255	Deposit Severance Tax Revenues in General Fund	Oppose	3/27	3/30		4/1	4/2	4/6	4/7 @ 7:30 Ap				
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											
CWC POSITION		J = Judiciary											
Bill scheduled for activity in CWC State Affairs (yellow)		LG = Local Government Committee											
Support (green)		SVMA = State, Veterans, and Military Affairs Committee											
Oppose (orange)		TE = Transportation and Energy Committee											
Amend (blue)		UA = Upon Adjournment											
Monitor, Neutral, No Position		UR = Upon Recess											

Attachment B



Colorado Water Congress

THE LEADING VOICE OF COLORADO'S WATER COMMUNITY

2015 Water Legislation

Calendar Notification of Your Bill Dossier

Bill SB15-255 - LAMBERT / HAMNER Deposit Severance Tax Revenues In General Fund

Wednesday, April 1 2015

GENERAL ORDERS - SECOND READING OF BILLS

(7) in senate calendar.

Bill HB15-1013 - CORAM / SONNENBERG South Platte Aquifer Study Recommendations

Thursday, April 2 2015

Appropriations

8:00 a.m. Room LSB-A

(15) in house calendar.

Bill HB15-1016 - CORAM / SONNENBERG Promote Precipitation Harvesting Pilot Projects

Thursday, April 2 2015

Appropriations

8:00 a.m. Room LSB-A

(6) in house calendar.

Bill HB15-1159 - ARNDT / DONOVAN Instream Flow Incentive Tax Credit

Thursday, April 2 2015

THIRD READING OF BILLS - FINAL PASSAGE

(1) in house calendar.

Bill HB15-1252 - MITSCH BUSH / SONNENBERG Extend Healthy Rivers Fund Voluntary Contribution

Thursday, April 2 2015

Appropriations

8:00 a.m. Room LSB-A

(10) in house calendar.

Bill HB15-1277 - VIGIL / SONNENBERG Species Conservation Trust Fund Projects

Thursday, April 2 2015

Appropriations

8:00 a.m. Room LSB-A

(12) in house calendar.

Bill SB15-198 - CROWDER / VIGIL Expand Fallowing Pilot Program Nonmunicipal Uses

Thursday, April 2 2015

THIRD READING OF BILLS - FINAL PASSAGE

(5) in house calendar.

Bill HB15-1278 - VIGIL Use Ag Water Rights To Cultivate Marijuana

Monday, April 6 2015

Agriculture, Livestock, & Natural Resources

1:30 p.m. Room 0107

(3) in house calendar.

Bill SB15-183 - HODGE Quantify Water Rights Historical Consumptive Use

Monday, April 6 2015

Agriculture, Livestock, & Natural Resources

1:30 p.m. Room 0107

(1) in house calendar.

Bill HB15-1006 - NOT ON CALENDAR

Bill HB15-1038 - NOT ON CALENDAR

Bill HB15-1057 - NOT ON CALENDAR

Bill HB15-1093 - NOT ON CALENDAR

Bill HB15-1144 - NOT ON CALENDAR
Bill HB15-1166 - NOT ON CALENDAR
Bill HB15-1167 - NOT ON CALENDAR
Bill HB15-1178 - NOT ON CALENDAR
Bill HB15-1210 - NOT ON CALENDAR
Bill HB15-1222 - NOT ON CALENDAR
Bill HB15-1234 - NOT ON CALENDAR
Bill HB15-1247 - NOT ON CALENDAR
Bill HB15-1249 - NOT ON CALENDAR
Bill HB15-1259 - NOT ON CALENDAR
Bill HJR15-1006 - NOT ON CALENDAR
Bill SB15-008 - NOT ON CALENDAR
Bill SB15-010 - NOT ON CALENDAR
Bill SB15-017 - NOT ON CALENDAR
Bill SB15-055 - NOT ON CALENDAR
Bill SB15-064 - NOT ON CALENDAR
Bill SB15-075 - NOT ON CALENDAR
Bill SB15-084 - NOT ON CALENDAR
Bill SB15-121 - NOT ON CALENDAR
Bill SB15-212 - NOT ON CALENDAR
Bill SB15-224 - NOT ON CALENDAR
Bill SB15-253 - NOT ON CALENDAR

General News Concerning Your Bills

HB15-1057 - [Opponents blister business-backed ballot-reform measure in Colorado Legislature](#)

HB15-1144 - [Microbead ban signed by governor](#)

HB15-1144 - [Hick Signs Primavera's Microbead Protection Bill](#)

HB15-1259 - [Colorado "rain barrel bill" hits choppy water in tough House debate](#)

HB15-1259 - [Rooftop rainwater collection bill easily clears Colorado committee](#)

Audio: Floors and Committees Concerning Your Bills

No audio clips found for any of the bills at this time.

Video Center Concerning Your Bills

No video clips found for any of the bills at this time.

BILL HB15-1006

Position: **Support**

CONCERNING THE ESTABLISHMENT OF A GRANT PROGRAM FOR THE MANAGEMENT OF INVASIVE PHREATOPHYTES.

Short Title: Invasive Phreatophyte Grant Program

Sponsors: CORAM / SONNENBERG

Summary: The bill establishes a 5-year grant program for the management of invasive phreatophytes, which are deep-rooted plants that consume water from the water table or the layer of soil just above the water table. Section 1 of the bill creates the invasive phreatophyte grant program account in the noxious weed management fund. Section 2 creates the grant program. The department

Status

01/07/2015 Introduced In House - Assigned to Agriculture, Livestock, & Natural Resources + Appropriations

02/02/2015 House Committee on Agriculture, Livestock, & Natural Resources Refer Amended to Appropriations

[Fiscal Note](#)

Date Introduced: 2015-01-07

[Amendments](#)

BILL HB15-1013

Position: [Amend](#)

CONCERNING THE IMPLEMENTATION OF RECOMMENDATION NUMBER ONE SET FORTH IN THE STUDY OF THE SOUTH PLATTE RIVER ALLUVIAL AQUIFER PREPARED BY THE COLORADO WATER INSTITUTE PURSUANT TO HOUSE BILL 12-1278.

Short Title: South Platte Aquifer Study Recommendations

Sponsors: CORAM / SONNENBERG

Summary: Section 1 requires the Colorado water conservation board, in consultation with the state engineer, to administer 2 pilot projects in the areas of Gilcrest/LaSalle and Sterling to evaluate 2 alternative methods of lowering the water table in areas that are experiencing damaging high groundwater levels. Section 2 of the bill authorizes the state engineer to review an augmentation plan submitted to a water court if it includes the construction of a recharge structure. The water court may approve the augmentation plan only if the state engineer either approves the operation and design of the proposed recharge structure after having determined that the application is not likely to cause injury or proposes changes to the operation and design of the proposed recharge structure as terms and conditions of the application.

Status

01/07/2015 Introduced In House - Assigned to Agriculture, Livestock, & Natural Resources + Appropriations

01/26/2015 House Committee on Agriculture, Livestock, & Natural Resources Refer Amended to Appropriations

[Fiscal Note](#)

Date Introduced: 2015-01-07

[Amendments](#)

BILL HB15-1016

Position: [Oppose](#)

CONCERNING INCENTIVES FOR PRECIPITATION HARVESTING.

Short Title: Promote Precipitation Harvesting Pilot Projects

Sponsors: CORAM / SONNENBERG

Summary: Water Resources Review Committee. In 2009, the general assembly authorized up to 10 precipitation harvesting pilot projects for new real estate developments of residential housing or mixed uses. Only one project has been approved. To encourage more projects, the bill:

- Includes the redevelopment of residential housing or mixed uses and new or redeveloped multi-building nonresidential property as potential pilot projects;
- Directs the Colorado water conservation board to update its approval criteria and guidelines, including regionally applicable factors that sponsors can use for substitute water supply and augmentation plans that specify the amount of evapotranspiration of preexisting natural vegetative cover, to which the state engineer and water judges must give presumptive effect, subject to rebuttal;
- Reduces the amount of water needed for a project's temporary substitute water supply plan and permanent augmentation plan by the amount of historic natural depletion to the waters of the state, if any, caused by the preexisting natural vegetative cover and evaporation on the surface of the area that will be, or that has been, made impermeable as part of the pilot project; and
- Specifies that a project's temporary retention of storm water for the purpose of improving water quality is not subject to an order of the state or division engineers if the retention complies with

the board's criteria and guidelines and the applicable requirements of the state's water quality laws.

Status

01/07/2015 Introduced In House - Assigned to Agriculture, Livestock, & Natural Resources + Finance
02/02/2015 House Committee on Agriculture, Livestock, & Natural Resources Witness Testimony and/or Committee Discussion Only
02/25/2015 House Committee on Agriculture, Livestock, & Natural Resources Refer Amended to Appropriations
03/02/2015 House Committee on Agriculture, Livestock, & Natural Resources Refer Amended to Finance
03/19/2015 House Committee on Finance Refer Amended to Appropriations

[Fiscal Note](#)

Date Introduced: 2015-01-07

[Amendments](#)

BILL HB15-1038

Position: [**Support**](#)

CONCERNING FLEXIBLE WATER MARKETS.

Short Title: Flexible Water Markets

Sponsors: ARNDT

Summary: Currently, water court proceedings governing an application to change the beneficial use of an irrigation water right require the applicant to designate a specific alternative beneficial use identified at the time of the application. The bill creates a more flexible change-in-use system by allowing an applicant who seeks to implement fallowing, regulated deficit irrigation, reduced consumptive use cropping, or other alternatives to the permanent dry-up of irrigated lands to apply for a change in use to any beneficial use, without designating the specific beneficial use to which the water will be applied.

- Section 1 of the bill defines "flex use" to mean an application of the fully consumptive portion of water that has been subject to a water right change-in-use proceeding to any beneficial use. It also redefines "appropriation" to exclude flex use from the anti-speculation doctrine.
- Section 2 describes the procedures for obtaining a flex use change-in-use decree, and section 3 describes the procedures for obtaining a flex use substitute water supply plan.

Status

01/07/2015 Introduced In House - Assigned to Agriculture, Livestock, & Natural Resources
02/02/2015 House Committee on Agriculture, Livestock, & Natural Resources Refer Amended to House Committee of the Whole
02/03/2015 House Second Reading Laid Over to 02/09/2015 - No Amendments
02/09/2015 House Second Reading Passed with Amendments - Committee, Floor
02/10/2015 House Third Reading Passed - No Amendments
02/17/2015 Introduced In Senate - Assigned to Agriculture, Natural Resources, & Energy
03/05/2015 Senate Committee on Agriculture, Natural Resources, & Energy Postpone Indefinitely

[Fiscal Note](#)

Date Introduced: 2015-01-07

[Amendments](#)

BILL HB15-1057

Position: [**Support**](#)

CONCERNING THE PROCESS FOR A STATEWIDE INITIATIVE TO BE PLACED ON A BALLOT.

Short Title: The Statewide Initiative Process

Sponsors: COURT / SONNENBERG

Summary: Under current law, the director of research of the legislative council of the general assembly (director) is required to prepare a fiscal impact statement for each initiative in the ballot information booklet (blue book). This fiscal impact statement includes an abstract. The bill requires the director to prepare an initial fiscal impact statement for each initiative submitted to the title board and to further summarize the abstract into a 2-sentence fiscal impact summary. When preparing the initial fiscal

impact statement, the director is required to consider the proponents' fiscal impact estimate, which the proponents are strongly encouraged to submit along with the initiative for review and comment.

The abstract from the initial fiscal impact statement must be printed at the beginning of an initiative petition section that is circulated for signatures and the fiscal impact summary must be printed on each succeeding section page. The director is also required to post the initial fiscal impact statement on legislative council staff's web site. When preparing the fiscal impact statement for the blue book, the director is permitted to update the initial fiscal impact statement.

The bill also requires the designated representatives of the initiative proponents to appear at all review and comment meetings. If either designated representative fails to appear at a review and comment meeting, the initiative is considered withdrawn, but the proponents are permitted to resubmit the initiative for another review and comment meeting.

Status

01/07/2015 Introduced In House - Assigned to State, Veterans, & Military Affairs
03/25/2015 House Committee on State, Veterans, & Military Affairs Witness Testimony and/or Committee Discussion Only

[Fiscal Note](#)

Date Introduced: 2015-01-07

BILL HB15-1093

Position: **Oppose**

CONCERNING LIMITATIONS ON REQUIREMENTS FOR THE USE OF WATER-EFFICIENT PLUMBING FIXTURES.

Short Title: Exceptions Efficient Plumbing Fixture Requirements

Sponsors: DORE

Section 1 of the bill repeals a prohibition that would go into effect on September 1, 2016, that disallows the sale of certain plumbing fixtures unless they are water-efficient plumbing fixtures. The prohibition would apply to lavatory faucets, shower heads, flushing urinals, tank-type toilets, and tank-type water closets.

Sections 2, 3, and 4 maintain prior legislative enactments be repealed on September 1, 2016. These prior enactments concern water-efficient indoor plumbing fixtures in 3 contexts:

- Builders of new single-family detached residences must offer the buyers toilets, faucets, and shower heads that meet the current standards of the federal environmental protection agency's WaterSense program;
- New construction or renovation of state-owned buildings must include the installation of water-efficient plumbing devices; except that tank-type water closets and flushometer toilets need not meet water efficiency standards as stringent as the current WaterSense standards. Section 3 adds an exception for the installation of water-efficient plumbing devices in new construction or renovation of state-owned buildings where the public entity responsible for the new construction or renovation determines that installation of water-efficient plumbing devices would be detrimental to public health or safety.
- New construction and renovation of residential structures and office, commercial, or industrial buildings must meet water-efficiency standards; except that a waiver from the water-efficiency requirements may be obtained if the local administrative authority issuing a building permit determines either that compliance with the water efficiency standards would be detrimental to public health or safety or that water-efficient fixtures and fittings would cause a sewer hydraulic gradient insufficient to handle reduced water flows.

Section 5 makes a conforming amendment.

Status

01/14/2015 Introduced In House - Assigned to State, Veterans, & Military Affairs
02/04/2015 House Committee on State, Veterans, & Military Affairs Postpone Indefinitely

[Fiscal Note](#)

Date Introduced: 2015-01-14

BILL HB15-1144

Position: **Support**

CONCERNING THE PROHIBITION OF SYNTHETIC PLASTIC MICROBEADS IN PERSONAL CARE PRODUCTS.

Short Title: Prohibit Plastic Microbeads Personal Care Products

Sponsors: PRIMAVERA / TODD

Summary: The bill prohibits the production, manufacture, or acceptance for sale of personal care products, including over-the-counter drugs, that contain synthetic plastic microbeads. The prohibition is phased in from January 1, 2018, through January 1, 2020. The penalty for each violation may be from \$1,000 to \$10,000.

Status

01/28/2015 Introduced In House - Assigned to Public Health Care & Human Services

02/10/2015 House Committee on Public Health Care & Human Services Refer Amended to House Committee of the Whole

02/13/2015 House Second Reading Passed with Amendments - Committee

02/17/2015 House Third Reading Laid Over Daily - No Amendments

02/19/2015 House Third Reading Passed - No Amendments

02/25/2015 Introduced In Senate - Assigned to Health & Human Services

03/05/2015 Senate Committee on Health & Human Services Refer Unamended to Senate Committee of the Whole

03/10/2015 Senate Second Reading Passed - No Amendments

03/11/2015 Senate Third Reading Passed - No Amendments

03/20/2015 Signed by the Speaker of the House

03/20/2015 Signed by the President of the Senate

03/20/2015 Sent to the Governor

03/26/2015 Governor Signed

Fiscal Note

Date Introduced: 2015-01-28

Amendments

BILL HB15-1159

Position: **N/A**

CONCERNING THE INSTREAM FLOW INCENTIVE TAX CREDIT FOR WATER RIGHTS HOLDERS.

Short Title: Instream Flow Incentive Tax Credit

Sponsors: ARNDT / DONOVAN

Summary:

In 2009, the general assembly enacted the instream flow incentive tax credit for water rights holders for 6 years. When enacted, the tax credit included a trigger that made the credit unavailable if total general fund revenues for a particular fiscal year would not be sufficient to grow the total state general fund appropriations by 6% over the previous fiscal year's appropriations.

The bill extends the instream flow incentive tax credit for water rights holders for an additional 5 income tax years. The bill also makes a change to the requirements of the donation, specifying that the donation may either preserve or improve the environment, rather than requiring that the donation only preserve the environment as originally enacted.

Additionally, the bill removes the application of the trigger to the tax credit.

Status

01/29/2015 Introduced In House - Assigned to Agriculture, Livestock, & Natural Resources + Finance + Appropriations

03/02/2015 House Committee on Agriculture, Livestock, & Natural Resources Refer Amended to Finance

03/12/2015 House Committee on Finance Refer Amended to Appropriations

03/27/2015 House Committee on Appropriations Refer Unamended to House Committee of the Whole

03/30/2015 House Second Reading Laid Over with Amendments to 03/31/2015 - Committee

03/30/2015 House Second Reading Laid Over Daily - No Amendments

04/01/2015 House Second Reading Passed with Amendments - Committee

[Fiscal Note](#)

Date Introduced: 2015-01-29

[Amendments](#)

BILL HB15-1166

Position: [**Support**](#)

CONCERNING THE CREATION OF A TRIBUTARY GROUNDWATER MONITORING NETWORK IN THE SOUTH PLATTE RIVER ALLUVIAL AQUIFER.

Short Title: South Platte Alluvial Aquifer Monitoring Network

Sponsors: SAIN / MARBLE

Summary:

In 2012, the general assembly enacted House Bill 12-1278, which directed the Colorado water conservation board to contract with the Colorado Water Institute to conduct a study of the South Platte river alluvial aquifer. Recommendation 3.B. of the final study report was to implement a basin-wide groundwater monitoring network.

Section 1 of the bill directs the state engineer, in consultation with the board, to design and operate a tributary groundwater monitoring network in the South Platte river alluvial aquifer. The monitoring network consists of the following components:

- Groundwater wells to be used for monitoring groundwater levels with the goal of identifying ambient groundwater conditions and anthropogenic influences on the aquifer, including:
 - The existing division of water resources groundwater monitoring network, the addition of data loggers on up to 20 existing wells in the network, and up to 10 wells to be added to the network in areas where there are data gaps;
 - Wells that are part of an independent monitoring network and owned by qualified parties other than the division of water resources who submit their groundwater monitoring data to the monitoring network; and
 - Wells that are owned or operated by a state agency, water conservancy district, special district, county, municipality, or other unit of state or local government and designated by the state engineer;
- Data analysis standards and protocols established by the state engineer; and
- Dissemination of the monitoring data on the division's web site.

Section 2 authorizes the use of the water resources cash fund to pay for the operation and maintenance of the network, and section 3 authorizes the use of the Colorado water conservation board construction fund to pay for the construction and maintenance of the network

Status

01/29/2015 Introduced In House - Assigned to Agriculture, Livestock, & Natural Resources + Appropriations

02/09/2015 House Committee on Agriculture, Livestock, & Natural Resources Refer Amended to Appropriations

02/20/2015 House Committee on Appropriations Refer Amended to House Committee of the Whole

02/24/2015 House Second Reading Passed with Amendments - Committee

02/25/2015 House Third Reading Passed - No Amendments

03/03/2015 Introduced In Senate - Assigned to Agriculture, Natural Resources, & Energy + Appropriations

03/26/2015 Senate Committee on Agriculture, Natural Resources, & Energy Refer Unamended to Appropriations

[Fiscal Note](#)

Date Introduced: 2015-01-29

[Amendments](#)

BILL HB15-1167

Position: Support

CONCERNING A STUDY REGARDING THE CREATION OF ADDITIONAL WATER SUPPLIES IN THE SOUTH PLATTE RIVER BASIN.

Short Title: South Platte River Mainstem Storage Study

Sponsors: BROWN

Summary: The bill directs the Colorado water conservation board to study the feasibility of supplementing water supplies in the South Platte river basin through the construction of a new reservoir on the mainstem of the South Platte river between Greeley and Julesburg and the importation of water into Colorado from the Missouri river basin. The study must also estimate the volume of water that has been delivered to Nebraska above the amounts required to be delivered by the South Platte river compact and that could otherwise have been stored in the lower South Platte river basin for each of the previous 20 years. The board must provide the water resources review committee and the governor's office with an update concerning the study by October 31, 2015, include the findings from the study in the Colorado water plan, complete the study by December 31, 2015, and provide a summary report on the study to the general assembly and the governor's office by February 15, 2016.

Status

01/29/2015 Introduced In House - Assigned to Agriculture, Livestock, & Natural Resources

02/18/2015 House Committee on Agriculture, Livestock, & Natural Resources Witness Testimony and/or Committee Discussion Only

02/25/2015 House Committee on Agriculture, Livestock, & Natural Resources Refer Amended to Appropriations

03/27/2015 House Committee on Appropriations Postpone Indefinitely

Fiscal Note

Date Introduced: 2015-01-29

[Amendments](#)

BILL HB15-1178

Position: Amend

CONCERNING THE STATE ENGINEER'S AUTHORITY TO ALLOW WELL USERS TO LOWER THE WATER TABLE IN AN AREA THAT THE STATE ENGINEER DETERMINES IS EXPERIENCING DAMAGING HIGH GROUNDWATER LEVELS.

Short Title: Emergency Well Pumping Damaging High Groundwater

Sponsors: SAIN / MARBLE

Summary: The bill authorizes the state engineer, for the purpose of lowering the water table in an area that the state engineer determines is experiencing damaging high groundwater levels, to rescind an order or to decline to order a well user in the area to discontinue an out-of-priority diversion or to replace an amount of water otherwise required by an augmentation plan or a substitute water supply plan.

Status

01/29/2015 Introduced In House - Assigned to Agriculture, Livestock, & Natural Resources

02/18/2015 House Committee on Agriculture, Livestock, & Natural Resources Witness Testimony and/or Committee Discussion Only

03/02/2015 House Committee on Agriculture, Livestock, & Natural Resources Refer Amended to Appropriations

Fiscal Note

Date Introduced: 2015-01-29

[Amendments](#)

BILL HB15-1210

Position: Monitor

CONCERNING REVIEW BY THE GENERAL ASSEMBLY OF ENVIRONMENTAL RULES REQUIRED TO MAINTAIN THE OPERATION OF STATE ENVIRONMENTAL LAW IN LIEU OF FEDERAL

ENVIRONMENTAL LAW.

Short Title: GA Review Envir Rules Required In Lieu Fed Law

Sponsors: DORE

Summary: The bill requires the air quality control commission, water quality control commission, and solid and hazardous waste commission to submit an annual report to the general assembly regarding all new and amended rules that are required by new or amended regulations proposed or adopted by the federal environmental protection agency (EPA) pursuant to the federal clean air, clean water, and hazardous waste laws to maintain state primacy regarding the enforcement of state environmental law operating in lieu of federal environmental law.

A rule specified in the report cannot be submitted for EPA's approval unless the general assembly has acted by bill to approve the submission of that particular rule. A bill to approve the submission of one or more rules specified in the report is exempt from the 5-bill limit.

Status

02/03/2015 Introduced In House - Assigned to State, Veterans, & Military Affairs

03/16/2015 House Committee on State, Veterans, & Military Affairs Postpone Indefinitely

[Fiscal Note](#)

Date Introduced: 2015-02-03

BILL HB15-1222

Position: **N/A**

CONCERNING AN AUTHORIZATION OF PILOT PROJECTS FOR THE VOLUNTARY TRANSFER OF WATER EFFICIENCY SAVINGS TO THE COLORADO WATER CONSERVATION BOARD FOR INSTREAM USE PURPOSES IN WATER DIVISIONS THAT INCLUDE LANDS WEST OF THE CONTINENTAL DIVIDE.

Short Title: Water Efficiency Savings Instream Use Pilot

Sponsors: BECKER K.

Summary:

The bill authorizes the Colorado water conservation board to select the sponsors of up to 12 pilot projects for the board's acquisition of water efficiency savings for instream flow use without the need for a water court-decreed change of water right. The board may approve up to 5 pilot projects in any one water division, but only in divisions 4, 5, 6, and 7. In order to be able to collect sufficient data, each project should operate for at least 10 years. The board cannot accept an application for a pilot project after July 1, 2020. Each pilot project must cease operations within 10 years after its approval and after the conclusion of any water court appeals; except that if no claim of injury due to the operation of a pilot project has been filed or if all such claims have been resolved to the satisfaction of the party who filed the claim, the board may extend the operation of the pilot project for up to an additional 15 years.

The board will establish criteria and guidelines for the pilot projects. The bill specifies procedures for the board's consideration of pilot project applications, including ways to resolve claims of injury to other water rights through the imposition of terms and conditions to prevent injury. The amount of water efficiency savings acquired by the board cannot be more than the minimum amount necessary to preserve the natural environment to a reasonable degree.

A party can appeal the board's determination with the appropriate water judge within 35 days after the board's decision has been mailed to the appropriate water clerk. A party may also file comments with the board by January 1 of the year following each year that a pilot project is operated concerning potential injury to such party's water rights due to the operation of the pilot project, in which case the original procedural safeguards must again be followed.

By December 31, 2025, the board will file a report with the general assembly that evaluates and makes recommendations regarding the pilot projects' operation.

Status

02/17/2015 Introduced In House - Assigned to Agriculture, Livestock, & Natural Resources

03/09/2015 House Committee on Agriculture, Livestock, & Natural Resources Refer Amended to House Committee of the Whole

03/16/2015 House Second Reading Passed with Amendments - Committee

03/17/2015 House Third Reading Passed - No Amendments
03/17/2015 Introduced In Senate - Assigned to Finance
03/26/2015 Senate Committee on Finance Postpone Indefinitely

[Fiscal Note](#)

Date Introduced: 2015-02-17

[Amendments](#)

BILL HB15-1234

Position: **N/A**

CONCERNING A TEMPORARY INCOME TAX DEDUCTION FOR A PORTION OF LEASE PAYMENTS RECEIVED BY A QUALIFIED TAXPAYER FOR LEASING THE TAXPAYER'S AGRICULTURAL ASSET TO AN ELIGIBLE BEGINNING FARMER OR RANCHER.

Short Title: Income Tax Deduction For Leasing Out Ag Asset

Sponsors: MITSCH BUSH

Summary: The bill allows an income tax deduction for specified income tax years if a qualified taxpayer enters into a qualified lease with an eligible beginning farmer or rancher, in an amount specified in a deduction certificate issued by the Colorado agricultural development authority that is equal to 20% of the lease payments received from the eligible beginning farmer or rancher as specified in the qualified lease, not to exceed a specified amount per income tax year, for a maximum of 3 income tax years.

Status

02/19/2015 Introduced In House - Assigned to Agriculture, Livestock, & Natural Resources + Finance
03/09/2015 House Committee on Agriculture, Livestock, & Natural Resources Refer Amended to Finance

[Fiscal Note](#)

Date Introduced: 2015-02-19

[Amendments](#)

BILL HB15-1247

Position: **Amend**

CONCERNING FEES COLLECTED BY THE STATE ENGINEER FOR REVIEW OF DAM SAFETY.

Short Title: State Engineer Dam Safety Review Fees

Sponsors: SAINÉ / NEVILLE T.

Summary:

Legislative Audit Committee. The bill increases the fee that the state engineer collects with regard to dam project design review. The fee collected for the examination and filing of each set of plans and specifications required to be filed with the state engineer for a proposed dam project is increased from \$3 for each \$1,000 of the estimated cost of the proposed project to \$6 for each \$1,000 of the estimated cost of the proposed project, with the maximum fee raised from \$3,000 to \$30,000.

The bill adds a fee of \$2,000 per year for the annual inspection required of a dam against which the state engineer has imposed storage restrictions. The state engineer cannot impose the fee in the first year that the dam has been put under storage restrictions. The state engineer may waive the fee in any year that the state engineer determines that the owner or operator has taken reasonable steps toward curing deficiencies.

Status

02/25/2015 Introduced In House - Assigned to Finance

[Fiscal Note](#)

Date Introduced: 2015-02-25

BILL HB15-1249

Position: **Monitor**

CONCERNING AMENDMENTS TO THE FEES ASSOCIATED WITH WATER POLLUTION CONTROL.

Short Title: Recodify Water Pollution Control Fees

Sponsors: BECKER K. / HODGE

Summary: The bill amends the statutory fee schedule that the department of public health and environment charges for the discharge of pollutants into state waters. The bill recodifies the existing statutory fee structure and does not change the amounts of the existing fees, but does reorganize the existing fees into 5 new sectors. The bill introduces 3 new fees for regulated activities associated with the application of pesticides, the costs associated with reviewing requests for certifications under section 401 of the "Clean Water Act", and an application fee for new permits which will be credited toward the annual permit fee. The bill also extends the existing statutory expiration dates for permits associated with animal feeding operations.

Status

02/27/2015 Introduced In House - Assigned to Finance

03/25/2015 House Committee on Finance Refer Amended to Appropriations

Fiscal Note

Date Introduced: 2015-02-27

[Amendments](#)

BILL HB15-1252

Position: **Support**

CONCERNING AN EXTENSION OF THE NUMBER OF YEARS THE INDIVIDUAL INCOME TAX RETURN INCLUDES A VOLUNTARY CONTRIBUTION DESIGNATION FOR THE COLORADO HEALTHY RIVERS FUND.

Short Title: Extend Healthy Rivers Fund Voluntary Contribution

Sponsors: MITSCH BUSH / SONNENBERG

Summary: The bill extends the number of years the individual income tax return form includes a voluntary contribution designation for the Colorado healthy rivers fund.

Status

03/02/2015 Introduced In House - Assigned to Finance

03/25/2015 House Committee on Finance Refer Unamended to Appropriations

Fiscal Note

Date Introduced: 2015-03-02

BILL HB15-1259

Position: **N/A**

CONCERNING THE USE OF RAIN BARRELS TO COLLECT PRECIPITATION FROM A RESIDENTIAL ROOFTOP FOR NONPOTABLE OUTDOOR USES.

Short Title: Residential Precipitation Collection Rain Barrels

Sponsors: ESGAR / MERRIFIELD

Summary:

Section 1 of the bill allows the collection of precipitation from a residential rooftop if:

- A maximum of 2 rain barrels with a combined storage capacity of 100 gallons or less are used;
- Precipitation is collected from the rooftop of a building that is used primarily as a single-family residence or a multi-family residence with 4 or fewer units;
- The collected precipitation is used on the residential property on which the precipitation is collected; and
- The collected precipitation is applied to outdoor purposes such as lawn irrigation and gardening.

Section 1 of the bill also requires the state engineer, to the extent practicable within existing resources, to provide information on the permitted use of rain barrels on the state engineer's web site.

Section 2 requires the department of public health and environment, to the extent practicable within existing resources, to develop best practices for nonpotable usage of collected precipitation and vector control and to post any best practices developed on the department's web site.

Section 3 prevents a homeowners' association from prohibiting a unit owner from using rain barrels for precipitation collection.

Status

03/04/2015 Introduced In House - Assigned to Agriculture, Livestock, & Natural Resources

03/16/2015 House Committee on Agriculture, Livestock, & Natural Resources Refer Unamended to House Committee of the Whole

03/20/2015 House Second Reading Passed with Amendments - Floor

03/23/2015 House Third Reading Passed - No Amendments

03/25/2015 Introduced In Senate - Assigned to Agriculture, Natural Resources, & Energy

[Fiscal Note](#)

Date Introduced: 2015-03-04

[Amendments](#)

BILL [HB15-1277](#)

Position: **Support**

CONCERNING MEASURES TO EFFECTUATE THE CONSERVATION OF NATIVE SPECIES IN COLORADO, AND, IN CONNECTION THEREWITH, MAKING APPROPRIATIONS FROM THE SPECIES CONSERVATION TRUST FUND FOR PURPOSES RECOMMENDED BY THE DEPARTMENT OF NATURAL RESOURCES.

Short Title: Species Conservation Trust Fund Projects

Sponsors: VIGIL / SONNENBERG

Summary: The bill appropriates money from the species conservation trust fund for programs submitted by the executive director of the department of natural resources that are designed to conserve native species that have been listed as threatened or endangered under state or federal law or that are candidate species or are likely to become candidate species as determined by the United States fish and wildlife service.

Status

03/09/2015 Introduced In House - Assigned to Agriculture, Livestock, & Natural Resources + Appropriations

03/23/2015 House Committee on Agriculture, Livestock, & Natural Resources Refer Unamended to Appropriations

[Fiscal Note](#)

Date Introduced: 2015-03-09

BILL [HB15-1278](#)

Position: **N/A**

CONCERNING THE USE OF AGRICULTURAL WATER RIGHTS TO CULTIVATE MARIJUANA WITHOUT THE NEED FOR A CHANGE OF WATER RIGHT.

Short Title: Use Ag Water Rights To Cultivate Marijuana

Sponsors: VIGIL

Summary: The bill specifies that using a water right that has been decreed for agricultural irrigation purposes for the cultivation of marijuana at a retail or medical marijuana cultivation facility is not a change of a water right if the use of the water is required for the cultivation of marijuana as contemplated or required by the facility's license.

Status

03/09/2015 Introduced In House - Assigned to Agriculture, Livestock, & Natural Resources

[Fiscal Note](#)

Date Introduced: 2015-03-09

BILL HJR15-1006

Position: **Support**

Short Title: Water Projects Revolving Fund Eligibility Lists

Sponsors: VIGIL / SONNENBERG

Summary: Concerning approval of Water Project Revolving Fund eligibility lists administered by the Colorado Water Resources and Power Development Authority.

Status

01/15/2015 Introduced In House - Assigned to Agriculture, Livestock, & Natural Resources

01/26/2015 House Committee on Agriculture, Livestock, & Natural Resources Refer Unamended to House Committee of the Whole

01/28/2015 House Third Reading Passed - No Amendments

01/29/2015 Introduced In Senate - Assigned to Agriculture, Natural Resources, & Energy

02/04/2015 Senate Committee on Agriculture, Natural Resources, & Energy Refer Unamended to Senate Committee of the Whole

02/09/2015 Senate Third Reading Passed - No Amendments

Date Introduced: 2015-01-15

BILL SB15-008

Position: **Support**

CONCERNING THE PROMOTION OF WATER CONSERVATION IN THE LAND USE PLANNING PROCESS.

Short Title: Promote Water Conservation In Land Use Planning

Sponsors: ROBERTS / VIGIL

Summary: **Water Resources Review Committee.** The bill directs the Colorado water conservation board (CWCB), in consultation with the division of planning in the department of local affairs (DOLA), to:

- Develop and provide free training programs, on a recurring basis, for local government water use, water demand, and land use planners regarding best management practices for water demand management and water conservation; and
- Make recommendations regarding how to better integrate water demand management and conservation planning into land use planning, including, as appropriate, legislative, regulatory, and guidance or policy recommendations.

The CWCB and the Colorado water resources and power development authority, in determining whether to render financial assistance to a local governmental water supply entity, must consider whether the entity's planners, if it has any, have taken the training and are actively applying it in their planning decisions.

Status

01/07/2015 Introduced In Senate - Assigned to Agriculture, Natural Resources, & Energy

01/14/2015 Senate Committee on Agriculture, Natural Resources, & Energy Refer Amended to Appropriations

02/13/2015 Senate Committee on Appropriations Refer Amended to Senate Committee of the Whole

02/18/2015 Senate Second Reading Laid Over to 02/20/2015 - No Amendments

02/20/2015 Senate Second Reading Passed with Amendments - Committee, Floor

02/24/2015 Senate Third Reading Passed - No Amendments

02/27/2015 Introduced In House - Assigned to Agriculture, Livestock, & Natural Resources + Appropriations

03/16/2015 House Committee on Agriculture, Livestock, & Natural Resources Refer Unamended to Appropriations

03/27/2015 House Committee on Appropriations Refer Unamended to House Committee of the Whole

03/30/2015 House Second Reading Passed - No Amendments

03/31/2015 House Third Reading Passed - No Amendments

Fiscal Note

Date Introduced: 2015-01-07

[Amendments](#)

BILL SB15-010

Position: Support

CONCERNING AUGMENTATION REQUIREMENTS FOR WELLS WITHDRAWING WATER FROM THE DAWSON AQUIFER.

Short Title: Repeal New Augmentation Standard Dawson Aquifer

Sponsors: HODGE / MITSCH BUSH

Summary: Water Resources Review Committee. Current law specifies that, beginning July 1, 2015, augmentation requirements for the withdrawal of water from the Dawson aquifer must be based on actual aquifer conditions. The bill repeals this requirement, thereby continuing current law, which requires replacement of actual out-of-priority depletions to the stream; except that the replacement of post-pumping depletions is required only if necessary to compensate for injury.

Status

01/07/2015 Introduced In Senate - Assigned to Agriculture, Natural Resources, & Energy

01/14/2015 Senate Committee on Agriculture, Natural Resources, & Energy Refer Unamended - Consent Calendar to Senate Committee of the Whole

01/20/2015 Senate Second Reading Passed - No Amendments

01/21/2015 Senate Third Reading Passed - No Amendments

01/22/2015 Introduced In House - Assigned to Agriculture, Livestock, & Natural Resources

02/04/2015 House Committee on Agriculture, Livestock, & Natural Resources Refer Unamended to House Committee of the Whole

02/09/2015 House Second Reading Passed - No Amendments

02/10/2015 House Third Reading Passed - No Amendments

02/27/2015 Signed by the President of the Senate

03/04/2015 Sent to the Governor

03/13/2015 Governor Signed

[Fiscal Note](#)

Date Introduced: 2015-01-07

BILL SB15-017

Position: Monitor

CONCERNING THE APPELLATE PROCESS GOVERNING A DISTRICT COURT'S REVIEW OF FINAL AGENCY ACTIONS CONCERNING GROUNDWATER.

Short Title: Appellate Process For Decisions About Groundwater

Sponsors: JONES / CORAM

Summary:

Water Resources Review Committee. Decisions or actions of the ground water commission (commission) or the state engineer regarding groundwater are appealed to a district court. Under current statute, the evidence that a district court may consider on appeal when reviewing a decision or action of the commission or state engineer is not limited to the evidence presented to the commission or state engineer. Therefore, unlike appeals from other state agencies' decisions or actions under the "State Administrative Procedure Act", a party appealing a decision or action of the commission or state engineer may present new evidence on appeal that was never considered by the commission or state engineer. The bill limits the evidence that a district court may consider when reviewing a decision or action of the commission or the state engineer on appeal to the evidence presented to the commission or the state engineer.

Status

01/07/2015 Introduced In Senate - Assigned to Judiciary

02/04/2015 Senate Committee on Judiciary Postpone Indefinitely

[Fiscal Note](#)

Date Introduced: 2015-01-07

BILL SB15-055

Position: **Support**

CONCERNING STATE ENGINEER ADMINISTRATION OF TAILWATER DITCHES.

Short Title: Return Of Water From Tail Ditch

Sponsors: HODGE

Summary: The bill permits a person to use a tail ditch to return variable amounts of water to a stream. The state engineer shall not require the delivery of a minimum amount of water to the stream, except as required by a court decree.

Status

01/12/2015 Introduced In Senate - Assigned to Agriculture, Natural Resources, & Energy

02/05/2015 Senate Committee on Agriculture, Natural Resources, & Energy Refer Amended to Senate Committee of the Whole

02/10/2015 Senate Second Reading Passed with Amendments - Committee

02/11/2015 Senate Third Reading Passed - No Amendments

02/17/2015 Introduced In House - Assigned to Agriculture, Livestock, & Natural Resources

03/02/2015 House Committee on Agriculture, Livestock, & Natural Resources Refer Unamended to House Committee of the Whole

03/06/2015 House Second Reading Passed - No Amendments

03/09/2015 House Third Reading Passed - No Amendments

03/19/2015 Signed by the President of the Senate

03/25/2015 Sent to the Governor

03/26/2015 Governor Signed

Fiscal Note

Date Introduced: 2015-01-12

[Amendments](#)

BILL SB15-064

Position: **Support**

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.

Short Title: Application Of State Water Law To Federal Agencies

Sponsors: SONNENBERG

Summary: The bill states basic tenets of Colorado water law concerning water as a transferable property right, acknowledges that the federal government has maintained deference to state law with respect to water rights, and prohibits the United States forest service (USFS) and the federal bureau of land management (bureau) from placing conditions on special use permits for, or rights-of-way on, federal land that:

- Require the owner of a water right or a conditional water right to assign the USFS or the bureau partial or joint ownership of the water right;
- Impose limitations on the alienability of the owner's water right; or
- Impose restrictions that give the USFS or the bureau full or partial control over the use and operation of the water right.

The bill also prohibits the state and division engineers from cooperating with the USFS or the bureau in enforcing or administering any such conditions on special use permits for, or rights-of-way on, federal land or from expending any public funds related to the enforcement or administration of any such conditions.

Status

01/14/2015 Introduced In Senate - Assigned to Agriculture, Natural Resources, & Energy

02/12/2015 Senate Committee on Agriculture, Natural Resources, & Energy Refer Amended to Senate Committee of the Whole

02/18/2015 Senate Second Reading Passed with Amendments - Committee

02/19/2015 Senate Third Reading Passed - No Amendments

03/02/2015 Introduced In House - Assigned to State, Veterans, & Military Affairs

03/16/2015 House Committee on State, Veterans, & Military Affairs Postpone Indefinitely

[Fiscal Note](#)

Date Introduced: 2015-01-14

BILL SB15-075

Position: [**Oppose**](#)

CONCERNING THE ABILITY TO IRRIGATE NOT MORE THAN ONE ACRE OF CROPS FROM A WELL.

Short Title: Exempt Well Irrigate Up To 1 Acre Commercial Crops

Sponsors: GRANTHAM / LUNDEEN

Summary: Current law exempts certain types of water wells from the prior appropriation system, including the irrigation of not over one acre of home gardens and lawns. The bill adds an exemption for water wells that do not exceed 15 gallons per minute of production and are used for the irrigation of not over one acre of commercial crops.

Status

01/14/2015 Introduced In Senate - Assigned to Agriculture, Natural Resources, & Energy

02/04/2015 Senate Committee on Agriculture, Natural Resources, & Energy Postpone Indefinitely

[Fiscal Note](#)

Date Introduced: 2015-01-14

BILL SB15-084

Position: [**Support**](#)

CONCERNING A PROHIBITION ON REDUCING THE QUANTIFICATION OF A WATER RIGHT'S ACTUAL HISTORICAL USE IN A CHANGE OF WATER RIGHT.

Short Title: Water Right Partial Historical Consumptive Use

Sponsors: HODGE

Summary: A water right may be used on one or more parcels of land and may be changed with regard to only some of the parcels. When a water judge decrees a change of a previously unchanged portion of a water right, the bill prohibits the water judge from reducing the actual historical consumptive use of that portion of the water right based on previously decreed changes of use involving another portion of the same water right used on other parcels of land.

Status

01/14/2015 Introduced In Senate - Assigned to Agriculture, Natural Resources, & Energy

02/05/2015 Senate Committee on Agriculture, Natural Resources, & Energy Witness Testimony and/or Committee Discussion Only

02/11/2015 Senate Committee on Agriculture, Natural Resources, & Energy Postpone Indefinitely

[Fiscal Note](#)

Date Introduced: 2015-01-14

BILL SB15-121

Position: [**Support**](#)

CONCERNING THE ELIGIBILITY FOR FINANCING PROVIDED BY THE COLORADO WATER RESOURCES AND POWER DEVELOPMENT AUTHORITY OF A PUBLIC WATER SYSTEM THAT IS NOT OWNED BY A GOVERNMENTAL AGENCY.

Short Title: Drinking Water Fund Assistance Nonprofit Entities

Sponsors: CROWDER

Summary: Section 1 of the bill specifies that the drinking water revolving fund may be used to provide financial assistance to private, nonprofit entities. Section 2 clarifies that public water systems may be owned or operated by private, nonprofit entities.

Status

01/26/2015 Introduced In Senate - Assigned to Agriculture, Natural Resources, & Energy
02/05/2015 Senate Committee on Agriculture, Natural Resources, & Energy Refer Unamended to Appropriations
02/20/2015 Senate Committee on Appropriations Refer Unamended to Senate Committee of the Whole
02/24/2015 Senate Second Reading Passed - No Amendments
02/25/2015 Senate Third Reading Laid Over Daily - No Amendments
02/26/2015 Senate Third Reading Passed - No Amendments
03/03/2015 Introduced In House - Assigned to Agriculture, Livestock, & Natural Resources + Appropriations
03/16/2015 House Committee on Agriculture, Livestock, & Natural Resources Witness Testimony and/or Committee Discussion Only
03/18/2015 House Committee on Agriculture, Livestock, & Natural Resources Refer Unamended to Appropriations
03/27/2015 House Committee on Appropriations Refer Unamended to House Committee of the Whole
03/30/2015 House Second Reading Passed - No Amendments
03/31/2015 House Third Reading Passed - No Amendments

Fiscal Note

Date Introduced: 2015-01-26

BILL SB15-183

Position: **Support**

CONCERNING THE QUANTIFICATION OF THE HISTORICAL CONSUMPTIVE USE OF A WATER RIGHT.

Short Title: Quantify Water Rights Historical Consumptive Use

Sponsors: HODGE

Summary: When a water judge decrees a change of water right, the bill:

- Requires that a quantification of the actual historical consumptive use of the water right be based on a representative study period that:
- Includes wet years, dry years, and average years;
- Does not include years of undecreed use of the subject water right; and
- Need not include every year of the entire history of use of the subject water or periods of nonuse of the water right.
- Prohibits reconsideration or requantification of the historical consumptive use if the historical consumptive use has already been quantified in a previous change decree.

Status

02/17/2015 Introduced In Senate - Assigned to Agriculture, Natural Resources, & Energy
03/05/2015 Senate Committee on Agriculture, Natural Resources, & Energy Refer Amended to Senate Committee of the Whole
03/10/2015 Senate Second Reading Laid Over to 03/13/2015 - No Amendments
03/13/2015 Senate Second Reading Laid Over Daily - No Amendments
03/16/2015 Senate Second Reading Passed with Amendments - Committee, Floor
03/17/2015 Senate Third Reading Passed - No Amendments
03/20/2015 Introduced In House - Assigned to Agriculture, Livestock, & Natural Resources

Fiscal Note

Date Introduced: 2015-02-17

Amendments**BILL SB15-198**

Position: **N/A**

CONCERNING MODIFICATIONS TO THE COLORADO WATER CONSERVATION BOARD'S FALLOWING PILOT PROGRAM, AND, IN CONNECTION THEREWITH, EXPANDING THE PROGRAM TO ALLOW AN AGRICULTURAL WATER RIGHT OWNER TO LEASE AN AGRICULTURAL WATER

RIGHT FOR TEMPORARY AGRICULTURAL, ENVIRONMENTAL, INDUSTRIAL, OR RECREATIONAL USE.

Short Title: Expand Fallowing Pilot Program Nonmunicipal Uses

Sponsors: CROWDER / VIGIL

Summary: The current fallowing pilot program administered by the Colorado water conservation board (board) allows an agricultural water right owner to lease the agricultural water right to a municipality for up to 3 out of 10 years. During the period of nonagricultural use, the owner fallows the affected agricultural land. The bill expands the program to allow leases for temporary agricultural, environmental, industrial, or recreational use. The bill also reduces the time period for receiving comments on a pilot project application from 75 days to 60 days and requires the state engineer, within 15 days after a conference report has been filed or, if the board does not receive any comments on the pilot project application, within 30 days after the period of time for comments has expired, to review the application and make a determination on the issues of injury and compact compliance with respect to the application.

Status

03/03/2015 Introduced In Senate - Assigned to Agriculture, Natural Resources, & Energy

03/12/2015 Senate Committee on Agriculture, Natural Resources, & Energy Refer Unamended - Consent Calendar to Senate Committee of the Whole

03/17/2015 Senate Second Reading Passed - No Amendments

03/18/2015 Senate Third Reading Passed - No Amendments

03/23/2015 Introduced In House - Assigned to Agriculture, Livestock, & Natural Resources

03/30/2015 House Committee on Agriculture, Livestock, & Natural Resources Refer Unamended to House Committee of the Whole

04/01/2015 House Second Reading Passed - No Amendments

Fiscal Note

Date Introduced: 2015-03-03

BILL SB15-212

Position: **N/A**

CONCERNING A DETERMINATION THAT WATER DETENTION FACILITIES DESIGNED TO MITIGATE THE ADVERSE EFFECTS OF STORM WATER RUNOFF DO NOT MATERIALLY INJURE WATER RIGHTS.

Short Title: Storm Water Facilities Not Injure Water Rights

Sponsors: SONNENBERG / WINTER

Summary: Under current administrative practice, facilities that are designed to detain storm water for environmental and public safety purposes may be required to release water to avoid injury to water rights.

The bill specifies that storm water detention and infiltration facilities and post-wildland fire facilities do not injure water rights. Water from these facilities cannot be put to beneficial use or form the basis for any claim to or for the use of water.

A "storm water detention and infiltration facility" is defined as a facility that is owned or operated by a governmental entity or is subject to oversight by a governmental entity, designed and operated to continuously release or infiltrate at least 97% of all of the water from rainfall events that are equal to or less than a 5-year storm within 72 hours after the end of the rainfall event, and continuously release or infiltrate the water from rainfall events greater than a 5-year storm as quickly as practicable, but in no event over a period in excess of 120 hours. The facility must operate passively and cannot actively treat the storm water.

A "post-wildland fire facility" means a facility that is not permanent; is located on, in, or adjacent to a nonperennial stream; is designed and operated solely for the mitigation of the impacts of wildland fire events; and is designed and operated to minimize the quantity of water detained and the duration of the detention of water to the levels necessitated by public safety and welfare. The person who installed or operated a post-wildland fire facility has to ensure that the facility is removed or rendered inoperable after the emergency conditions created by the wildfire no longer exist.

Status

03/12/2015 Introduced In Senate - Assigned to Agriculture, Natural Resources, & Energy

Date Introduced: 2015-03-12

BILL SB15-224

Position: **N/A**

CONCERNING A PERMITTING EXEMPTION FOR SYSTEMS THAT REMOVE GROUNDWATER FROM SOILS THAT ARE ADJACENT TO FOUNDATIONS.

Short Title: Building Foundation Well Permit Exemption

Sponsors: SONNENBERG

Summary: Current law requires a permit to drill a water well. **Section 1** of the bill specifies that neither a permit nor a replacement plan is needed for a system in a designated groundwater basin that collects and removes groundwater for the purpose of facilitating the use of land that would otherwise be adversely affected due to the presence of groundwater if the system does not penetrate a confining layer, and the farthest point of the collection system is no more than 10 feet from a building's foundation, the removed groundwater is not used for purposes other than collecting and removing groundwater from soils that are adjacent to a building's foundation, and the removed groundwater is returned directly into the aquifer.

Section 2 makes an analogous exemption for areas of the state outside of designated groundwater basins.

Status

03/20/2015 Introduced In Senate - Assigned to Agriculture, Natural Resources, & Energy

03/26/2015 Senate Committee on Agriculture, Natural Resources, & Energy Witness Testimony and/or Committee Discussion Only

Fiscal Note

Date Introduced: 2015-03-20

BILL SB15-253

Position: **N/A**

CONCERNING THE FUNDING OF COLORADO WATER CONSERVATION BOARD PROJECTS, AND, IN CONNECTION THEREWITH, MAKING AN APPROPRIATION.

Short Title: CO Water Conservation Bd Construction Fund Project

Sponsors: SONNENBERG / VIGIL

Summary: The bill appropriates the following amounts from the Colorado water conservation board (CWCB) construction fund for the following projects:

- \$330,000 for continuation of the satellite monitoring system maintenance (section 1 of the bill);
- \$500,000 for continuation of the Colorado floodplain map modernization program (**section 2**);
- \$1,500,000 for continuation of the watershed restoration program (**section 3**);
- \$1,000,000 for the operation and maintenance of the Arkansas river decision support system (**section 6**);
- \$500,000 for technical assistance for the USDA regional conservation partnership program (**section 7**);
- \$100,000 for water conservation planning and data tracking tools (**section 8**);
- \$150,000 for support of the Colorado Mesonet project (**section 9**);
- \$1,200,000 for participation in the development of modern tools and methods for determining large rain events for regulating and designing dam spillways (**section 10**);
- \$175,000 for continuation of the weather modification program (**section 11**); and
- \$125,000 for South Platte river basin groundwater level data collection, analysis, and remediation (**section 12**).

The bill also directs the state treasurer to transfer moneys on July 1, 2015, from the CWCB construction fund to restore the unencumbered balance in the following funds to the following amounts:

- \$500,000 for the flood and drought response fund (**section 4**); and
- \$200,000 for the litigation fund (**section 5**).

Additionally, **section 13** transfers the following amounts from the severance tax operational fund to the CWCB construction fund for the following purposes:

- \$1,000,000 for the CWCB to continue the watershed restoration program as specified in section 3; and
- \$1,200,000 for the CWCB to participate in the development of modern tools and methods for determining large rain events for regulating and designing dam spillways as specified in section 10.

Section 14 transfers \$500,000 from the severance tax perpetual base fund to the CWCB construction fund for the CWCB to continue the watershed restoration program as specified in section 3;

Section 15 extends the stream restoration grant account in the flood and drought response fund to remain effective until July 1, 2017; and

Finally, **section 16** accounts for variation in the amount of money loaned for the Chatfield reallocation project in 2014 by acknowledging ordinary fluctuations in cost based on distribution of project ownership.

Status

03/27/2015 Introduced In Senate - Assigned to Agriculture, Natural Resources, & Energy

Date Introduced: 2015-03-27

BILL SB15-255

Position: **Oppose**

CONCERNING THE DEPOSIT OF TWENTY MILLION DOLLARS OF STATE SEVERANCE TAX REVENUES IN THE GENERAL FUND.

Short Title: Deposit Severance Tax Revenues In General Fund

Sponsors: LAMBERT / HAMNER

Summary: After a transfer at the beginning of the fiscal year, state severance tax receipts are split equally between the state severance tax trust fund and the local government severance tax fund. The bill requires \$20 million of the state severance tax receipts received from the effective date of the bill until the end of the current fiscal year to be deposited in the general fund.

Status

03/27/2015 Introduced In Senate - Assigned to Appropriations

03/30/2015 Senate Committee on Appropriations Refer Unamended to Senate Committee of the Whole

Fiscal Note

Date Introduced: 2015-03-27



CITY OF LOVELAND
WATER & POWER DEPARTMENT

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AGENDA ITEM: 11

MEETING DATE: 4/15/2015

SUBMITTED BY: Larry Howard, Senior Civil Engineer

TITLE:

Water Supply Update *GD for LT*

DESCRIPTION:

Projection for raw water supply in 2015.

SUMMARY:

Attachment A is the Snow–Water Equivalent chart for Bear Lake station as of April 9, 2015. 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 was charting along average or median values until the last week of March 2015.

Attachment B shows snowpack and streamflow comparisons as of April 1, 2015 throughout the CBT system as produced by Northern Water. Snow water content on the Upper Colorado was 81% with steam flow forecast of 91%. Big Thompson River content was 88% with streamflow forecast of 82%.

These figures are significantly lower than those shown as of March 1, 2015. It is uncertain whether conditions will improve or decline in April. It appears that we will have an average water year, but that can always change.

RECOMMENDATION:

Information item only. No action required.

REVIEWED BY DIRECTOR:

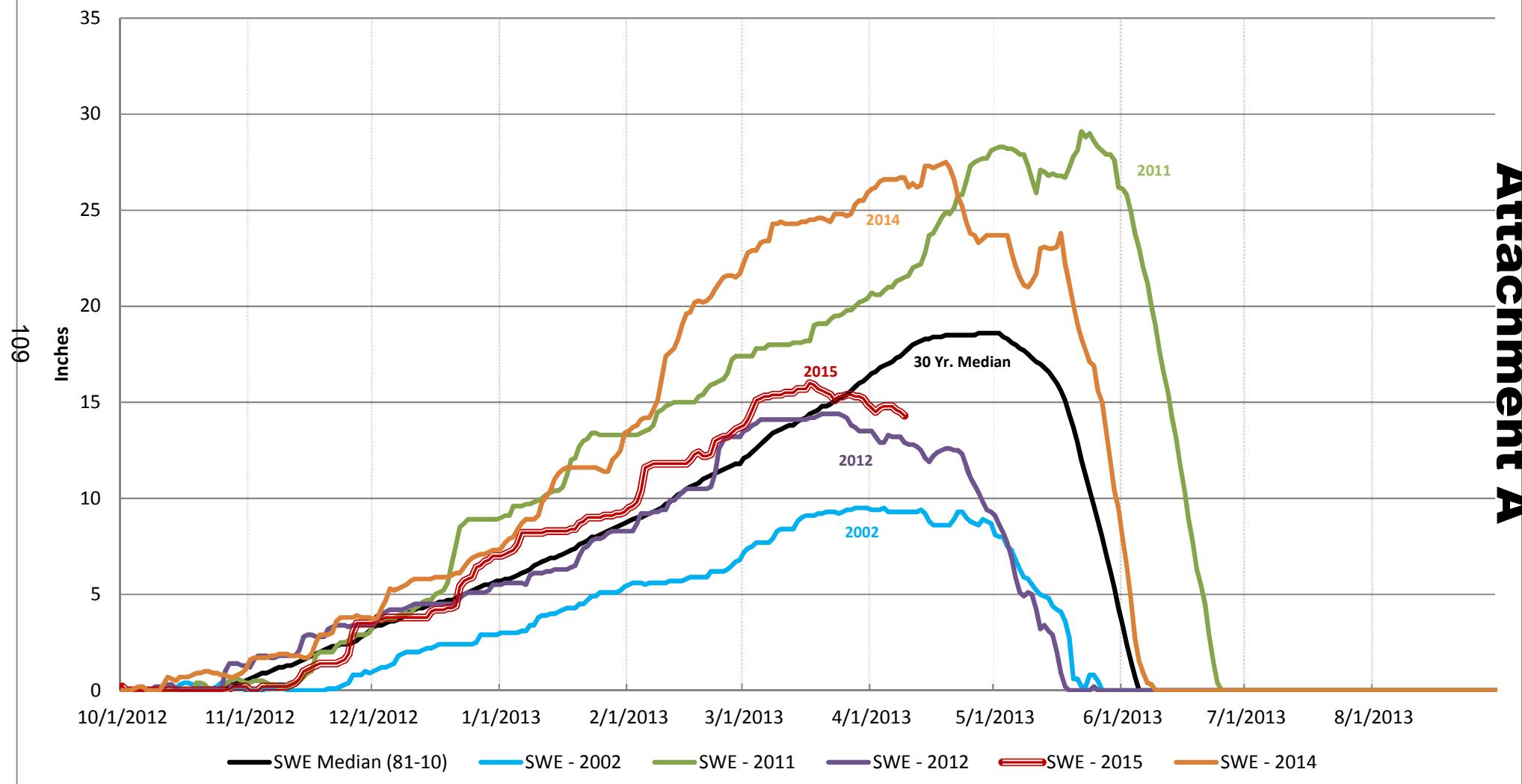
PP for SA

ATTACHMENTS:

- **Attachment A:** Snow–Water Equivalent Chart for Bear Lake SNOTEL Station
- **Attachment B:** Northern Water's Snowpack and Streamflow Comparisons

Snow - Water Equivalent: April 9, 2015

Bear Lake



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Attachment B

Snowpack and Streamflow Comparisons April 1, 2015



Snow Water Content

% of Average

Colorado's Statewide Snowpack	70%
Upper Colorado River ⁽¹⁾	84%
South Platte Tributaries ⁽²⁾	86%

Snow-Water Content Comparisons (inches)

Watershed	April 1, 2015 Snow-Water Content			April 1 Comparative Snow-Water Content			
	2015	Average	% Avg	2014	2013	2012	2002
Blue River	13.6	13.9	98%	138%	77%	60%	69%
Upper Colorado River	12.3	15.2	81%	141%	69%	57%	64%
Willow Creek	7.3	10.2	72%	122%	83%	49%	68%
Fraser River	12.2	14.6	84%	136%	80%	56%	59%
Poudre River	10.6	13.7	78%	132%	75%	57%	65%
Big Thompson River	12.5	14.3	88%	148%	57%	66%	62%
St. Vrain River	9.8	10.8	91%	157%	64%	68%	49%
Boulder Creek	10.1	11.3	90%	152%	72%	64%	57%

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	225	275	350	275	100%
Upper Colorado River	151	200	254	220	91%
Willow Creek	25	40	57	47	85%
Fraser River	73	100	134	117	85%
Poudre River	122	180	266	225	80%
Big Thompson River	50	74	110	90	82%
St. Vrain River	50	76	115	88	86%
Boulder Creek	35	49	66	54	91%
South Platte Tributaries		379		457	83%

Precipitation within District Boundaries ⁽⁴⁾

	Totals	Average	% Average
March	0.23	1.10	21%
Nov-Mar	2.30	2.91	79%

(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

