LOVELAND UTILITIES COMMISSION
REGULAR MEETING
September 17, 2014 - 4:00 p.m.
Service Center Board Room
200 North Wilson Avenue

AGENDA

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

4:05 pm - **APPROVAL OF MINUTES - 8/20/2014**

CITIZENS REPORTS

4:05 pm - **CONSENT AGENDA**

1. Approval of Contract Amendment for Ditesco for the Water Treatment Plant Expansion Project – Roger Berg
2. Approval of Contract Amendment for CH2M Hill for the Water Treatment Plant Expansion Project – Roger Berg

4:10 pm - **REGULAR AGENDA**

3. 2015 Water & Power Schedule of Rates, Charges and Fees – Jim Lees

5:00 pm - **STAFF REPORT**

4. September 30, 2014 fluoride meeting overview – Chris Matkins
5. 2013 Flood Update for Water & Power Department – Steve Adams

6:00 pm – 6. **COMMISSION / COUNCIL REPORTS**

- September 9, 2014 Study Session with City Council
- September 17, 2014 Business Appreciation Breakfast

7. **DIRECTOR'S REPORT**

INFORMATION ITEMS

8. Financial Report Update – Jim Lees

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.

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

Commission Members Present: Dan Herlihey, David Schneider (Vice Chair), Gary Hausman, Gene Packer (Chair), Jennifer Gramling (came in during agenda Item 1), Larry Roos, John Matis, John Rust Jr., Randy Williams

City Staff Members: Allison Prokop, Alan Krcmarik, Bob Miller, Brieana Reed-Harmel, Chris Matkins, Darcy Hodge, Garth Silvernale, Greg Dewey, Gretchen Stanford, Jim Lees, Lindsey Bashline, Larry Howard, Michelle Stalker, Steve Adams, Sharon Citino.

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

APPROVAL OF MINUTES: Gene asked for a motion to approve the minutes of the July 16, 2014 meeting.

Motion: Dan Herlihey made the motion to approve the minutes of the July 16, 2014 meeting.
Second: John Matis seconded the motion.
Action: The minutes were approved unanimously.

Comments: none

Introduction of Jennifer Gramling. Introduction of board members and staff.

REGULAR AGENDA

Item 1: Home Energy Report Program Survey Results – Lindsey Bashline
In early 2014 staff conducted a survey on the Home Energy Reports (HER) program. This item briefly summarizes the HER pilot program achievements, the recent HER survey process and survey results. Staff will be presenting on survey results and outline staff's recommended next steps.

Recommendation: Information item only. No action required.

Comments: Larry Roos asked for clarification on the total program cost. Lindsey Bashline stated that the document Roos was referring to came from City Council minutes and was in reference to priority based budgeting including costs for other programs and staff cost over the third and fourth quartile of 2014. Roos asked if the Home Energy Report Program currently has 15,000 people receiving reports. Bashline mentioned that originally there were 15,000 customers in the program however, due to opt-outs and move-outs the Home Energy Report Program currently has about 10,000 customers. Roos added that according to his calculations this adds up to be about $5 per year.

Steve Adams added that this information will be presented to City Council and the City Manager. Due to the high number of comments in the RH line in the Reporter-Herald Adams thought it would be appropriate to prepare information to the City Manager in an attempt to answer customer questions. Adams added that the program is entering a new transition due to Loveland Water and Power (LWP) finishing its first long-term dedicated program outreach and evaluation. LWP is working to address what the next steps of the program will be.

Roos asked if LWP is only offering the program to a small portion of its 30,000 residential customers. Bashline clarified that the current program is offered to a small portion of Loveland's 28,000 residential customers.

Adams added that the statistically significant survey reported that generally customers are happy with the reports and LWP made it easy to opt-out of the report of customers did not want to receive any future information. He stated that other cities have offered similar programs and Loveland had one of the lowest opt-out rates in the United States.

Gene Packer asked if what was included in the packet was a summary of the entire program. Bashline stated that the information provided to the board members was the current summary of the entire program. Packer inquired about the feedback and responses to the phone survey. Bashline mentioned

that the content of the survey was included in the packet and added that there were not many opt-outs throughout the survey. Bashline clarified to board members that the survey was only given to those who receive reports through the program. Packer asked for more information about how to fund the future program. Bashline added that as long as the funds from 2014 are encumbered they can roll over into next year. Packer questioned the timeframe for the new version of the program that will be put in the Request for Proposal (RFP). Gretchen Stanford added that LWP would like to have a three-year contract duration because of set up costs. Adams stated that included in the RFP will be information about breaking the contract if program goals and expectations are not met. Larry Roos questioned how this information links with electric utility billing. Steve Adams clarified that customers can pay their bill online and look at their utility information but, customers cannot get bills emailed directly to them. LWP in partnership with other organizations are looking into the development of a smartphone application so help fill this gap. One goal would be to help incorporate the Home Energy Report Program with the customer bill pay portal.

Larry Roos asked about what kind of savings LWP is receiving. Bashline stated that as the program has evolved savings trends have gone upwards. Now the savings have tended to level out around 2%. Companies are working on new ways to engage and enhance the customer experience in order to increase savings. LWP previous goal was 2-2.5% savings and the actual reporting savings were closer to 1.7%.

Dave Schneider asked about remote meter reading Fort Collins is currently doing. Bashline informed the board that Fort Collins has full service deployment of the Home Energy Report Program as well as a similar program for customers regarding water usage. Fort Collins has Automated Meter Infrastructure (AMI). Staff and board members discussed the cost and parameters around what AMI can provide customers regarding electric usage and customer rates. Dave Schneider asked if we are done working with Opower. Gretchen Stanford said that we are currently done with our contract with Opower, but added that they can submit again for the RFP. Board members who are a part of this program shared how they felt about receiving the reports and the changes they have made to their own homes as well as discussed what information they think would be beneficial to add to the report moving forward.

Adams added that the goal of the new program will be to offer it to all customers and help those customers who have been a part of the program still receive new beneficial information.

Board members asked what concerns customers had with the report. Bashline stated that the general feeling was that some customers felt like if they paid their electric bill, they didn't want any more information from LWP. Also, some customers had incorrect information regarding square footage of their homes. However, that was just a matter of talking with the Larimer County Assessor's Office. All customers who had this problem were informed that it would be corrected on their next report and most were satisfied with that response.

Packer added that moving forward there will be a range of customer responses regarding this program. Bashline stated that as the program moves forward LWP would like more customization of the report so that we are best meeting everyone's needs.

Packer asked for clarification on one of the graphs provided in the packet. Bashline added that the graph in question compared Loveland with other utilities running a similar program. Michelle Stalker inquired about how customers are responding to the information provided on the report that discusses home occupancy. Bashline stated that this can be updated online and this may change the types of tips household receive. Dave Schneider highlighted the importance of keeping cost down for our customers.

Bashline stated that LWP will provide the board with an update on program goals, RFP results and other program highlights. Larry Roos mentioned that it is important to keep in mind how our savings compares to other utilities. Bashline added that WP tends to be right in the middle regarding savings.

Board members highlighted that they too would like to see water data included on the reports in the future.

John Rust Jr. mentioned that he would like to see the report compare usage to weather conditions. Bashline stated that this is another potential goal of the program moving forward. She gave an example of what information is provided on the current report and where we would like to see included in the future. Staff and board discussed how unpredictable Colorado weather can be and how this affects our energy and water usage.

STAFF REPORT

Item 2: FEMA Alternate Project Update – Gretchen Stanford and Brieana Reed-Harmel
On May 30, 2014 Loveland received confirmation that it could potentially be awarded $9.1 million for an alternate FEMA project to replace the Idylwilde hydro lost in the September 2013 flood.

Staff Report only. No action required.

Comments: Gene Packer commended Gretchen Stanford on her presentation on this topic for Congressmen Polis on August 19, 2014.

Gene Packer inquired if that battery storage alternate project option would potentially be coupled with the solar option. Brieana Reed-Harmel stated that this was a potential option that LWP staff are looking into.

Schneider asked if staff could provide more information about the timeframe of how and when the $9.1 million from FEMA needs to be used as well as if there are any stipulations regarding the type of potential power source that is going to be built. Reed-Harmel added that these questions will be answered throughout her presentation. However, she added that the $9.1 million needs to follow Federal Purchasing Guidelines and potentially follow the NEPA process as well depending on which project option is chosen. She explained that the project does not have to be a renewable energy source; however, FEMA will have to approve the final project so the project needs to benefit the community as a whole. Staff and board members discussed the stipulations regarding the permitting process.

Gene Packer questioned how much funding LWP has and when they plan to receive more. Reed-Harmel stated that LWP was awarded the money in May 2014 and that LWP has until March 2015 to submit a scope of work to FEMA for approval and has until September 2017 to complete the project. Staff and board members discussed the timeline and how it has changed since this information was presented in the previous LUC meeting. Adams informed the board of the timeline of previous alternate projects LWP has completed. He also discussed potential opportunities for how alternate project funding can potentially be divided if need be in order to spend the $9.1 million.

Gene Packer questioned if Platte River Power Authority (PRPA) has done any research on what environmental project possibilities are feasible at the Rawhide site. Reed-Harmel added that the Namaste Feasibility Study reported how much solar can go on this particular site. Adams added that LWP is currently looking into similar information. Adams informed the board of the details and protocol of NEPA process. Staff and board members discussed the potential constraints this could have on the timeframe of the project and how LWP staff are taking this information into consideration when moving forward. Adams mentioned potential ways in which LWP can plan for the project while taking in consideration all the permitting factors while following FEMA guidelines. Adams informed the board of what locations such as the Water Treatment Plant and the Airport that have already have gone through the NEPA process and the time and cost benefits this could have when discussing a large scale project such as this. LWP is looking in preliminary information that will help guide this decision process. Gene Packer and Adams highlighted the importance of a thorough environmental inspection.

John Rust Jr. asked if staff have possibly looked into tying this project in with the power plant in Craig. Adams and Stanford informed the board that this is not an option because that power plant is not located in Larimer County. Rust asked staff if they have considered solar power towers such as what was recently in the news and has scorched some birds when they flew through their concentrated sun rays. Reed-Harmel added that this is not something that Loveland is considering, but PRPA may look at incorporating that into their Integrated Resource Plan. That option is not within the budget and scope for the City's FEMA alternate project. Board and staff discussed the potential time constraints of using PRPA as a potential project location.

John Rust Jr. highlighted the importance of considering hydro at the Water Treatment Plant. Adams discussed the specific project guidelines and reviewed the process of installing an in-line turbine. Gene Packer questioned the timeframe in which LWP would see a return of investment of hydro. Roos and Adams added that it would take little staff time to manage this project. Adams continued to inform the board of the environmental procedures and permitting process that would have to be followed in order to install an in-line turbine at the Water Treatment Plant. Adams discussed the possibility of incorporating hydro and solar at this particular site and the pros and cons of that option. Rust Jr. discussed similar hydro projects that have been completed and the benefits of such project. Staff and board continued to discuss infrastructure.

Dave Schneider inquired about the option to build a solar farm at the Water Treatment Plant and the cost of solar panels. He stated that the panels are portable and that the panels can be moved if need be. Reed-Harmel informed him that this information is listed in the Namaste Feasibility Study. Staff informed him that cost would be dependent on the type of panels and contractors. Adams informed the board about the investment tax credit available under solar projects that will expire in 2016 in which the power can be sold under a purchase power agreement. Adams added that LWP is not-for-profit but asked Alan Krcmarik if these credits can be sold. Alan Krcmarik added that he is looking into that topic.

Adams highlighted the many moving parts of this projects. Roos asked if staff could talk about the battery storage option. Reed-Harmel said that the batteries are large-scale batteries that would be stored during the off-peak times and released during the peak times. Batteries can be added to storage depending on budget and physical space. Board and staff discussed how much LWP could potentially have with the $9.1 million. They also discussed different battery types, utilities that have done similar project, maintenance costs, and locations for storage.

Gene Packer mentioned the option of selling solar to Loveland customers. Adams said that this is not an option because the FEMA alternate program needs to benefit the entire community not just a select few customers. Staff and board continued to discuss funding opportunities and contingencies.

Adams added that LWP is pursuing all opportunities and not pursuing the option that was originally discussed in last month's LUC meeting due to a variety of factors. Schneider added that PRPA can pursue any of its own renewable projects to benefit the four cities.

Jim Lees asked staff if the Airport option or the Water Treatment Plant option is more appealing. Staff stated that possibly the Airport or the other options that are currently being pursued are more appealing.

COMMISSION/COUNCIL REPORTS

Item 3: Commission/Council Reports
Activities the board members attended since last meeting – July 16, 2014

Dan Herlihey: Informed the board that he is serving as a part of the Comprehensive Plan Update Process. The committee has members from several boards and commissions, community members and business

representatives. August 5, 2014 was the kick off meeting for the 18 members. The effort will be ongoing and they target City Council adoption in September 2015. He plans on keeping the board informed about the process and welcomes input.
Dave Schneider: He invited the board to a panel discussion on Waters of the United States regarding the policy language of the Environmental Protection Agency (EPA) at New Belgium Brewery on August 21, 2014. He highlighted the importance of this discussion.
Gene Packer: He mentioned that he enjoyed the presentation with Congressman Polis yesterday. He added that he found the resources in the reference library helpful and appreciates the upcoming planned trainings by staff.
Gary Hausman: no update
Jennifer Gramling: no update
John Matis: Said that the Big Thompson Watershed Forum is scheduling a bi-annual meeting on September 24, 2015. The theme is going to be, "Fires and Floods in the Future, Rising from Mud and Ashes." Matis mentioned that members from the Big Thompson Water Forum have been very active in the Big Thompson River Restoration Coalition. The State of Colorado will be pushing for a restoration coordinator for each of the major watersheds because the efforts will be ongoing. He does not know what role the Big Thompson Watershed Forum will have, but that he wanted to let LUC members know what is up-coming. Most funding will come from the State, but no major decisions have been made on the matter at this point. He also commended the presentation given for congressman Polis from Gretchen Stanford and Brieana Reed-Harmel.
John Rust Jr: no update
Larry Roos: no update
Randy Williams: no update

Regular Meeting – August 5, 2014

- IGA for Demand Side Management Program Partnership: A Motion to Adopt Resolution #R-50-2014 Approving an Intergovernmental Agreement Among the Town of Estes Park, the City of Fort Collins, the City of Longmont, the City of Loveland, and Platte River Power Authority for Demand Side Management Program Partnership

- Final approval - Supplemental appropriation for the Water Treatment Plant Expansion and Waterline Repairs:
    - Previously authorized $9.9 M loan
    - Internal loan from Raw Water of $13 M
    - New external borrowing resulting in maximum of $2.3 M
    - New supplemental appropriation of $1.5 M for Waterline Repairs

Regular Meeting – August 19, 2014

- Presentation from U.S. Forest Service to Loveland Staff for Idylwilde Dam (presenters: Ranger Edwards and Ranger Atchley)

DIRECTOR'S REPORT

Item 4: Director's Report – Steve Adams

Comments: Dave Schneider enquired if John Meaders will be speaking at the September 30, 2014 LUC special meeting on fluoride. Adams added that Meaders will be presenting and have information included in the packet for the board members to review. Larry Sarner will also be presenting and providing the board with information.

The board discussed and decided that they would like a separate meeting for the Water Rights Trainings. They decided that the second week in October and November would be the best time for these trainings. Theses trainings will be about two hours in duration each.

Chris Matkins added that staff would also be invited to these study sessions.

Adams mentioned that similar trainings have been done in the past by LWP staff for LWP staff.

INFORMATION ITEMS

Item 5: Financial Report Update – Jim Lees
This item summarizes the monthly and year-to-date financials for July 2014.

Staff Report only. No action required.

Comments: Larry Roos questioned Item 12 on the Financial Statement for Water inquiring about what makes up the $1.3 million that was spent this year. Darcy Hodge said that she would have to check into the specifics of that at a later date. Roos clarified by asking if that is a part of the Raw Water Fund. Larry Howard said that this fund pays for raw water sources and its assessments. It's the money that helps bring water to us each year. Howard said that that is different from the Raw Water fund. Adams added that in the next few years, funds will be moving around between the Water Utility and Raw Water Utility in order to help fund future purchases and operations. As a part of cost saving efforts this will end in 2018.

Larry Roos asked if there is anything upcoming regarding negotiations with the Bureau of Reclamation on the Windy Gap Firming Project. Larry Howard stated that the eighth negotiation session with the Bureau of Reclamation on the carriage contract took place on August 18, 2014 and August 19, 2014. Howard added that there is another session scheduled in September 2014, but the hope is that we can move forward without having this session. Negotiations regarding the language are in the process of being discussed. Howard added that the goal is to move forward at the beginning of next year. Staff and board discussed the pricing included in the carriage contract and the previous negotiation process.

Adams added that on August 5, 2014, City Council adopted the demand side management program partnership agreement. Also approved was the supplemental appropriation and bid award for the Water Treatment Plant Expansion project. Adams also highlighted that the Forest Service presented LWP with a certificate on August 19, 2014.

ADJOURN The meeting was adjourned at 6:29 pm. The next LUC meeting will be September 17, 2014 at 4:00 pm.

Respectfully submitted,

Allison Prokop
Recording Secretary
Loveland Utilities Commission

City of Loveland

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

AGENDA ITEM: 1
MEETING DATE: 9/17/2014
SUBMITTED BY: Roger Berg, Senior Civil Engineer RB

TITLE: Approval of Contract Amendment for Ditesco for the Water Treatment Plant Expansion Project

DESCRIPTION:
This is a contract amendment to add construction phase services to Ditesco's existing contract for the Water Treatment Plant Expansion Project.

SUMMARY:
During the design phase, Ditesco provided value engineering evaluations and constructability reviews (original contract amount was $53,802). The purpose of this amendment is to add construction phase services to their contract. Services will include providing a full time resident inspector, reviewing shop drawings, materials testing, welding inspections, conducting progress meetings, processing RFI's, change orders, and progress payments, and other miscellaneous tasks (see attachment for complete breakdown of services). The fee for these services will be based on actual hours worked plus sub-consultant fees not to exceed $851,778.

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

RECOMMENDATION:
Adopt a motion to approve the Contract Amendment for Construction Phase services with Ditesco to increase the not-to-exceed amount to $905,580 and authorize the City Manager to sign the contract amendment order on behalf of the City.

REVIEWED BY DIRECTOR:
AP for SA

ATTACHMENTS:
Contract Amendment

1

AMENDMENT
Services Contract

This Amendment is entered into this ____ day of _____, 20_____, nunc pro tunc March 31, 2014 by and between the **City of Loveland, Colorado** ("City") and **Ditesco** ("Contractor").

Whereas, the parties entered into a contract for **Water Treatment Plant Improvements Phase II - W1300D** dated June 21, 2013 ("Contract"); and

Whereas, the parties desire to amend the Contract as set forth herein.

Now, therefore, in consideration of the mutual covenants and agreements contained herein, the parties agree as follows:

1. The Contract term shall be extended to **December 31, 2016**.

2. The Contract price shall be increased to an amount not to exceed **$905,580**.

3. Exhibit A shall remain the same unless an amended Exhibit A is attached to this Amendment. Any such attachments shall be incorporated into the Contract as if fully set forth therein.

4. All other terms and conditions of the Contract shall remain in full force and effect according to the provisions thereof.

5. This Amendment may be executed by electronic signature in accordance with C.R.S. § 24-71.3-101 *et seq.*

Signed by the parties on the date written above.

City of Loveland, Colorado

By: _____

Title: _____

ATTEST:

_____
City Clerk

APPROVED AS TO FORM:

_____
Assistant City Attorney

Contractor

By: _____

Title: _____

STATE OF _____)
) ss.
COUNTY OF _____)

The foregoing instrument was acknowledged before me this ___ day of _____, 20____ by _____.
(Insert name of individual signing on behalf of the Contractor)

_____
Notary's official signature

S E A L

_____
Commission expiration date

Exhibit A
Water Treatment Plant Improvements Phase II
Project and Construction Management
Scope of Services
Project No. W1300D

Project Understanding

The City of Loveland Department of Water and Power is planning to expand their existing Chasteen's Grove Water Treatment Plant (WTP) to 38 MGD. The work is planned to include flocculation, sedimentation, filtration, disinfection and chemical feed process changes as well as new buildings and site work.

The bidding phase is expected to occur from April through July 2014. Construction delivery is to begin in August 2014 with completion expected by June 2016. The work is being delivered through a prequalified bid process for general, electrical and I&C contractors.

The services provided under this contract are generally expected to include project management assistance, budget and schedule control, resident engineering, contract management, quality control inspection, submittal review, RFI response, material testing, specialty inspection and coordination with CH2M HILL.

Phase: Pre-Construction

- During this phase Ditesco personnel will photograph and video the existing project conditions and roadways leading into and out of the WTP site.

- We will review and comment on the contractor's initial schedule prior to the pre-construction meeting. We will ensure a logical, defined CPM schedule is established with an overall baseline for progress measurement.

- Ditesco staff will participate in value engineering work including meetings, proposal evaluations and independent cost estimates to establish deductive change orders.

Phase: Construction

During this phase Ditesco will provide part time Project Management, part time Project Engineering and full time Resident Engineering services to assist in work coordination and ensure compliance with contract documents/specifications.

- During the construction phase, we will establish and manage a SharePoint document management site housed on our servers for design team and contractor access. This site will manage all construction phase communications including submittal review, RFIs, meeting minutes, test results, correspondence and reports.

- Our staff will coordinate, attend and document one pre-construction meeting.

- We will conduct weekly progress meetings on site with the general contractor and their subcontractors. We will provide meeting minutes for all meetings.

- We will review and recommend approval of pay applications to the City of Loveland, review and manage contract changes for approval by the City, generate and coordinate responses to RFIs and provide for overall administration of the construction contract.

- Our staff will perform daily site inspections to ensure quality construction and conformity to the plans and specifications. Inspections will include all specialty inspections required of the project including structural steel and concrete, masonry, coatings, roofing systems, pipe, manhole, concrete flatwork and asphalt paving. We will provide field engineering support addressing field changes quickly to avoid construction

delays. We will provide the City with monthly reports documenting the contractors work progress, contract times and other pertinent information. We will also document daily work progress in the form of daily logs.

- We will assist in review of all project submittals providing comments directly to the general contractor and coordinated with CH2M HILL and the City.

- Ditesco staff will review all material test reports. We will comment on reports not meeting specifications and recommend remediation measures if necessary. We will ensure the appropriate numbers of tests are taken and that they are sampled according to industry standards and the project specifications. We have included scope of work for both material testing and specialty weld inspections in our contract.

- We will maintain a photographic log of the project documenting pre-construction, construction and post construction conditions. This work is expected to include brief descriptions of each photograph with a filename, time and date reference.

- As needed, we will coordinate work between the City, general contractor and outside agencies (e.g. utility companies, Larimer County) affected by the project.

- We will maintain project records including contracts, schedules (overall job and three week look-ahead), progress meeting minutes, material test results, weekly reports, correspondence, pay applications, change orders, routine photographs, submittals, RFIs, permits, commissioning records and post construction close-out paperwork (punch lists, lien waivers, substantial completion/final acceptance).

- We will conduct a final punch list walk through and start up sessions for various stages of the work. Formal start up, testing and training work is anticipated to include all chemical feed systems, filter operation and backwash, flocculation and sludge collection, soda ash, polymer feed and filter beds, HVAC and fire system pumping. Our staff will assist with testing sequence documentation created directly from loop/control descriptions provided by CH2M HILL.

- Ditesco personnel will coordinate all relevant building inspections with the City. Inspections not performed through the Building Inspection Department will be directly performed by Ditesco and documented on building inspection record forms. To this end, we will ultimately certify installation and acceptance of the building improvements to the Building Dept. coordinated with CH2M HILL.

- Ditesco personnel will ensure that an as-built plan set is maintained and transmitted to CH2M HILL upon completion of the project. This will be a redlined drawing set maintained by our staff and will be coordinated with plan changes that may be documented by the general contractor. We will also ensure accurate O&M manuals are transmitted to the City upon completion of the project.

- Ditesco staff will also assist City personnel with overall project management efforts including cost, schedule and quality control. Here, we will prepare monthly budget reports that show the entire job budget in a cost control report format.

Phase: Post Construction

- During the Post Construction Phase Ditesco staff will compile all job records in both an electronic and hardcopy (paper) format for submission to the City. We will also participate in an 11th and 23rd month warranty walkthrough of the project.

Deliverables

- Deliverables will include full project documentation presented in tabbed binders or vertical files including: bid information, construction correspondence, pay applications, change orders, field orders, work change directives, schedules, submittals, transmittals, reports, photographs, meeting notes, record drawings and other relevant information produced throughout the construction phase. All documents will also be provided in an electronic form on DVDs, CDs or external drives for City use.

Schedule
The anticipated schedule for construction is as follows:

Construction: August 2014 through June 2016

Fee Estimate

We have based our fee estimate on the following assumptions:

- 23 month construction timeframe (approximately 99 weeks) – adjusted based on City changes
- Ditesco will host project SharePoint site
- Office trailer and internet/phone service provided by Contractor or City
- Copier/scanner/printer provided by Contractor or City

Estimated Fee:	**$746,286.00**
Estimated Reimbursable Expenses:	**$105,492.00**
Total:	**$851,778.00**
Average Monthly Fee:	***$43,000.00***
Expected Fee Duration prior to budget limit:	***20 mos***

A detailed task breakdown is included. Please find this on page 6 of this scope of work proposal.

The fee shown above is to be billed on a time and material basis based on the rates shown in the table on page 5 and 6 of this proposal. All reimbursable expenses will be billed at direct cost. All mileage and vehicle usage is included in the rates provided.

ditesco
Project and Construction Services

Ditesco
2014 Wage Rate Schedule

Owner/Professional Engineer:	$130.00 per hour
Project Manager:	$100.00 - $130.00 per hour
Construction Manager/Resident Engineer:	$110.00 - $125.00 per hour
Project Engineer:	$95.00 - $100.00 per hour
Administrative:	$65.00 per hour
All other costs at direct expense	
Terms	30 days net

ditesco
Project and Construction Services

City of Loveland - Water and Power

Water Treatment Plant Expansion - Construction Phase Services

8/5/2014

Phase/Task Description	Classification				Task Total
	Keith Meyer	Cassie Peterman	George Latour	Lindsay Reichel	
	Project Construction Manager (hrs)	Project Engineer (hrs)	Resident Engineer (hrs)	Administrative (hrs)	
	$130	$98	$122	$65	
Construction Phase (Aug 2014 - June 2016)					**$746,286**
CM 1.2 - Review Plans/Specs	4	16	16	0	$4,040
CM 1.4 - SharePoint Document Management	0	198	74	2	$28,564
CM 1.6 - Preconstruction Photos	0	8	4	4	$1,532
CM 1.7 - Preconstruction Meeting	4	4	4	6	$1,790
CM 1.8 - Schedule Review	12	0	23	0	$4,301
CM 1.9 - Submittal/Shop Drawing Review	120	48	198	140	$53,536
CM 1.10 - Progress Meetings	198	0	396	297	$93,263
CM 1.11 - Monthly Budget Reports	12	0	12	23	$4,393
CM 1.12 - Contract Management	92	0	184	0	$34,408
CM 1.13 - RFI Response	80	0	99	0	$22,466
CM 1.14 - Resident Engineering	160	800	2200	0	$367,600
CM 1.15 - Daily Logs	0	0	544	0	$66,362
CM 1.16 - Job Files	0	99	0	99	$16,121
CM 2.1 - Start Up and Testing	40	0	250	0	$35,700
CM 3.1 - Punch List Walkthrough	8	16	16	0	$4,560
CM 3.2 - Record Drawings	0	16	36	0	$5,960
CM 3.4 - Project Close Out	4	2	8	0	$1,692
Material Testing Services - CTL Thompson					$84,305
Welding Inspection and NDT - Ground Engineering					$8,500
Other direct costs at 1.7%					**$12,687**
Work Effort Subtotal	**733**	**1207**	**4063**	**571**	**$746,286**
Subtotal Reimbursable Items					**$105,491**
Cost per labor category	**$95,264.00**	**$118,256.60**	**$495,676.85**	**$37,089.00**	
Effort (days)	**92**	**151**	**451**	**71**	
Effort (weeks)	**18**	**30**	**90**	**14**	
Hours per day	**1.3**	**2.2**	**7.5**	**1.0**	
FTE	**0.20**	**0.33**	**1.10**	**0.16**	

Total Contract Value:	**$851,778**

Assumptions:

- 23 month construction phase; scope to approx 20 mos
- Construction start date - Aug 2014
- Construction end date - June 2016

= denotes hours modified from 4th revision of proposal

CH2M HILL Tasks

- complex design RFI response
- critical submittal review only (structural steel, process, mechanical, elec, etc)
- no CH staff on site
- specialty inspections by Ditesco and CH
- electrical inspections by City
- CH to attend every other meeting; conference call into others
- Ditesco to host SharePoint site
- Ditesco processes all pay applications, change orders, contract management with City rep
- all start up coordinated by Ditesco; CH to participate

1

City of Loveland

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: 2
MEETING DATE: 9/17/2014
SUBMITTED BY: Roger Berg, Senior Civil Engineer RB

TITLE: Approval of Contract Amendment for CH2M Hill for the Water Treatment Plant Expansion Project

DESCRIPTION:
This is a contract amendment to add construction phase services to CH2M Hill's existing contract for the Water Treatment Plant Expansion Project.

SUMMARY:
CH2M Hill provided design services for the water plant expansion project (original contract plus previous amendments total $1,679,251). The purpose of this amendment is to add construction phase services to their contract. Services will include shop drawing review, attending progress meetings, periodic site inspections, reviewing RFI's, change orders, and progress payments, and other miscellaneous tasks (see attachment for complete breakdown of services). The fee for these services will be based on actual hours worked not to exceed $628,878.

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

RECOMMENDATION:
Adopt a motion to approve the Contract Amendment for Construction Phase services with CH2M Hill to increase the not-to-exceed amount to $2,308,129 and authorize the City Manager to sign the contract amendment order on behalf of the City.

REVIEWED BY DIRECTOR:
AP for SA

ATTACHMENTS:
Contract Amendment

AMENDMENT
Services Contract

This Amendment is entered into this ____ day of _____, 20_____, by and between the **City of Loveland, Colorado** ("City") and **CH2M Hill Engineers, Inc.** ("Contractor").

Whereas, the parties entered into a contract for **City of Loveland Chasteen's Grove Water Treatment Plant Phase II Improvements - W1300D** dated March 29, 2013 ("Contract"); and

Whereas, the parties desire to amend the Contract as set forth herein.

Now, therefore, in consideration of the mutual covenants and agreements contained herein, the parties agree as follows:

1. The Contract term shall be extended to **N/A**.

2. The Contract price shall be increased to an amount not to exceed **$2,308,129**.

3. Exhibit A shall remain the same unless an amended Exhibit A is attached to this Amendment. Any such attachments shall be incorporated into the Contract as if fully set forth therein.

4. All other terms and conditions of the Contract shall remain in full force and effect according to the provisions thereof.

5. This Amendment may be executed by electronic signature in accordance with C.R.S. § 24-71.3-101 *et seq.*

Signed by the parties on the date written above.

City of Loveland, Colorado

By: _____

Title: _____

ATTEST:

_____
City Clerk

APPROVED AS TO FORM:

_____
Assistant City Attorney

Contractor

By: _____

Title: _____

STATE OF _____)
) ss.
COUNTY OF _____)

The foregoing instrument was acknowledged before me this ___ day of _____, 20____ by _____.
(Insert name of individual signing on behalf of the Contractor)

_____
Notary's official signature

S E A L

_____
Commission expiration date

City of Loveland Water Treatment Plant Phase II Improvements Project - Engineering Services During Construction

Scope of Services

CH2M HILL Engineers, Inc. (Consultant) agrees to furnish the City of Loveland (City) engineering services during construction (SDC) for the City's Water Treatment Plant (WTP) Phase II Improvements Project (Project) based on the following task descriptions.

It is understood that the City will designate Mr. Roger Berg as the primary point of contact with respect to the work performed under this agreement, with authority to transmit instructions, receive information, interpret and define City policies and decisions relative to elements pertinent to the work covered by this Agreement.

Consultant will provide SDC as defined below. These SDC are intended to assist the City to administer the contract for construction, periodically monitor the performance of the Construction Contractor (Contractor) with the contract documents, and assist the City in responding to events that occur during the construction. These SDC are based upon the understanding that the City will contract directly with the Contractor and will be actively involved in the construction process to make decisions, provide approvals, and perform other actions necessary for the completion of the construction. Consultant will coordinate meetings attendance and site visits with the Resident Project Representative (RPR). The RPR will be retained by the City to perform construction management and field inspection services.

Consultant will perform submittal review, respond to requests for information, and perform limited special inspections, limited construction observations, assist with startup testing, project close out documentation, and record drawings. These SDC are also based upon the City executing a contract for construction with the Contractor that is consistent with the Consultant's Agreement and with these SDC. Consultant will not be responsible for the means, methods, techniques, sequences or procedures of the Contractor, nor will Consultant be responsible for the Contractor's failure to perform in accordance with the contract documents. Consultant will not responsible for obtaining local, state, or federal permits necessary for construction. Consultant will not be responsible for the work of RPR or City staff and understands the City will self-perform and/or delegate to the RPR many of the responsibilities of the Engineer defined in the Construction Documents.

The initial contract authorization will not be for all of the tasks. The deferred tasks are noted below as "Not in Contract". Specifically, Tasks 2.3, 4.2, 4.3, and 4.4 will be subject to future authorization and funding. The Consultant will make a request for additional compensation to perform the remaining tasks as needed. The amount of additional compensation needed will depend on how efficient the Consultant can deliver the scoped services in the base contract.

The services during construction are based upon the following anticipated schedule of construction:

- Construction Notice to Proceed: August 15, 2014
- Final Completion (including Contractor Project close out activities): June 30, 2016

Project Background

The City contracted with the Consultant to perform design services for the Phase II Improvements Project design. The following improvements and expansion of the Chasteen's Grove Water Treatment Plant are included:

- New West Chemical Building,
- New Filter No. 4 Building,
- Existing Flocculation/Sedimentation Facility #2 improvements,
- New Filter Drying Beds and New Polymer Building,
- Site entrance and access road,
- Soda ash silo and feed system addition (Bid Alternate),
- New Fire Pump/Soda Ash Building,
- Demolition of Filter Plant #1 and Sedimentation Basin
- Control Building and East Chemical Building improvements, and
- Associated civil, site, architectural, structural, mechanical, plumbing, heating and ventilation, electrical, and instrumentation and control.

The purpose of this project is to provide services during construction for the Project.

Engineering Services During Construction

The Consultant will provide engineering services during construction as described in the following tasks. The Consultant's basis for estimating engineering costs for the project is based on the elements included in task descriptions.

The Consultant will provide services to participate in meetings, respond to technical submittals, respond to requests for information or clarification, perform site visits, prepare record drawings, and assist with facilities and equipment start-up.

Task 0 – Value Engineering Support

Prior to award to the Contractor, the Consultant will support City with value engineering efforts.

Task 0.1– VE Assistance

The Consultant will attend one meeting with the City and Contractor and provide engineering support to the Value Engineering evaluation. Recommended VE items will be documented in a draft Change Order document. The Consultant will also provide consultation support to the City when the project is presented to City Council.

Task Deliverable(s)

1. Draft Change Order information.

Task 1 – Project Management

The Consultant will provide the following project management and administration subtasks to support the engineering services during construction.

Task 1.1– Project Execution Plan and Setup

The Consultant will prepare a brief Project Execution Plan (PXP) to serve as a guide for the project team. The PXP will outline procedures, summarize project goals and scope, present the project work plan (which will include tasks, staff assignments, level of effort, costs, and schedule), and include

other information that is pertinent to the successful execution of the project. The PXP will serve as a guide to the Consultant's project team during the course of the project.

Task Deliverable(s)
None.

Task 1.2 - Project Management

Consultant's PM will prepare and submit to the City's PM, on a monthly basis, a brief cost and schedule status report. The report shall include a narrative description of progress to-date, actual costs for each Task, estimates of percent complete, and potential cost variances.

Task Deliverable(s)
1. Monthly invoice and progress reports.

Task 2 – Meetings

The Consultant's engineering staff will participate in various construction meetings as described in the following subtasks. The RPR will be responsible for preparing an agenda and preparing and distributing notes or minutes of all Project meetings.

Task 2.1 – Pre-construction Conference

The Consultant's PM, Design Manager (DM), and Senior Consultant will attend the Pre-construction Conference. This meeting will also include review of the preliminary construction schedule. The RPR will prepare the agenda, facilitate the meeting, and issue meeting notes.

Task Deliverable(s)
None.

Task 2.2 – Progress Meetings

The Consultant's Senior Consultant, or assigned representative, will attend weekly progress meetings. It is assumed that the Consultant will attend up to 100 progress meetings total during the project duration. Meeting participation will be half by teleconference and half at the Project site. Budget includes hours for travel and meeting preparation time.

Task Deliverable(s)
None.

Task 2.3 – Quality Control and Coordination Meetings (Not in Contract)

The RPR will schedule periodic Quality Control and Coordination meetings as required and stated in the Contract for Construction (Specifications). It is assumed that the RPR will schedule up to 8 each, 2 hour meetings over the course of the Project, and that the Consultant's DM or representative will attend each 2 hour meeting. This task budget includes hours for travel and preparation time.

Task Deliverable(s)
None.

Task 2.4 – Concrete Pre-Installation Meeting

The Consultant's DM and structural engineer will attend the concrete pre-installation meeting with attendees and agenda as stated in the Specifications.

Task Deliverable(s)
None.

Task 2.5 – Process Instrumentation & Controls System Coordination Meetings

The Consultant's instrumentation and controls (I&C) engineer and Senior Consultant will attend two I&C Coordination Meetings and one software application workshop with attendees and agenda as stated in the Specifications.

Task Deliverable(s)
None.

Task 2.6 –Shut-Down Coordination Meetings

The RPR will schedule shut-down coordination meetings as required and stated in the Specifications. It is assumed that the RPR will conduct up to 6 meetings over the course of the Project with Consultant's DM and Senior Consultant attending these meetings.

Task Deliverable(s)
None.

Task 2.7 – Facility Startup Meeting

The Consultant's DM, Senior Consultant, electrical engineer, and I&C engineer will attend up to 4 Facility Startup Meetings with attendees and agenda as stated in the Specifications.

Task Deliverable(s)
None.

Task 3 – Submittal and Construction Administration

The Consultant's engineering staff will provide support with submittal review and construction administration as described in the following subtasks.

Task 3.1 – Submittal Review

The Consultant shall process and review shop drawings, samples, and other submittals, submitted by the Contractor for review. The RPR will review a portion of the submittals. The Consultant shall maintain an internal submittal tracking system to document submittal transactions, dispositions, review times, and re-submittals. Consultant will post submittals and review correspondence to the ShareFile document management system maintained by the RPR.

Consultant shall obtain from the Contractor a proposed shop drawing, samples and submittal schedule that shall identify all shop drawings, samples and submittals required by the contract for construction, along with the anticipated dates for submission.

Consultant shall assist the City in reviewing and responding to the Contractor's requests for substitution of materials and equipment. Consultant shall review such requests and shall advise the City as to the acceptability of such substitutions.

For the purposes of estimating the level of effort for this task, the following criteria are assumed:

- 220 core drawings.
- 1 submittal per core drawing.
- 4.0 engineering labor hours of effort per submittal.
- 48 labor hours for document controls.
- 10% resubmittal rate.

A budget of 976 hours was established for this task.

Task Deliverable(s)

1. Submittal review comments (posted on ShareFile document management system).

Task 3.2 – Requests for Information

The Consultant will receive selected Contractor Requests for information (RFIs) from the RPR. The Consultant will review and respond to Contractor RFIs provided by RPR. The Consultant will interpret plans and specifications in response to requests from the Contractor to deviate from designs or specifications.

RPR will maintain an RFI tracking system to document transactions, dispositions, and response times.

For the purposes of estimating the level of effort for this task, the following criteria are assumed:

- 220 core drawings.
- 1.25 RFIs per drawing.
- 1 labor hour of effort per RFI.

A budget of 275 hours was established for this task.

Task Deliverable(s)

1. Responses to Contractor RFIs (posted on ShareFile document management system).

Task 3.3 – Change Orders

The Consultant shall review, prepare, and recommend change orders for work arising from unforeseen conditions or for changes requested by the RPR or Contractor affecting the cost or time of completion of the project. At the direction of the RPR, Consultant shall assist in performing engineering tasks to develop drawings, specifications, or clarifications to include with the change orders. Consultant shall provide recommendations to the City regarding the merit of the change order and recommend a course of action for the City.

For the purposes of estimating the level of effort for this task, the following criteria are assumed:

- $23,000,000 construction value.
- 3% change orders.
- Engineering effort 8% of change order construction value.

Task Deliverable(s)

1. Change orders (posted on ShareFile document management system).

Task 4 – Field Service, Startup, Record Drawings

The Consultant's engineering staff will provide field service and startup support, along with preparation of record drawings, as described in the following subtasks.

Task 4.1–Design Team Site Visits

Selected members of the Consultant design team and/or specialized engineers shall provide periodic onsite observations of the work. The RPR shall coordinate and make request for specialty observation.

Selected members of the Consultant design team and/or specialized engineers shall provide onsite observations of performance testing and for preparation of a final punch list. The RPR shall coordinate these site visits.

It is assumed a total of 612 Consultant hours as presented in Attachment 1 is included.

Task Deliverable(s)

1. Site visit notes.

Task 4.2 – Startup Assistance (Not in Contract)

The Consultant will provide assistance during the initial startup of the facilities on an as-needed basis by assisting the City's operating personnel.

- West Chemical Building startup assistance
- Filter Plant 4A Facility startup assistance
- Filter Drying Bed Facility startup assistance
- Cold Water Pump Station startup assistance

A total of 476 Consultant hours has been budgeted for startup assistance. It is assumed that startup of the Facility will be performed over a two-month period and that the equipment will be ready to be placed into service or ready for final checkout and testing prior to Consultant assistance.

Task Deliverable(s)

None.

Task 4.3 – Record Drawings (Not in Contract)

At the completion of construction work, Consultant will review and comment on record drawing information supplied by the City, and will incorporate information on the drawings. It is assumed that the City will provide a consolidated set of As-Built Drawings, including all changes and clarifications issued during construction. Consultant will prepare electronic record drawings (PDF format only, no AutoCAD or hard copies required) for the City. Consultant is not responsible for any errors or omissions in the information from others that are incorporated into the record drawings.

Task Deliverable(s)

1. Record drawings (PDF format).

Task 4.4 – Operator Instruction Manuals (Not in Contract)

The Consultant will prepare new sections for the existing Operator Instruction Manual for the constructed and improved facilities listed below. It is assumed that the new sections will be stand-alone sections that the City will incorporate into the existing WTP Operation Manual.

The Consultant will prepare an Operator Instruction Sections for each of the following Chapters to the existing Water Treatment Plant resulting from this Project:

1) Section I General Information
   a) Chapter 1- General Information (update to include relevant changes)
   b) Chapter 2- Process Description (update to include relevant changes)
2) Section II Regulations, Record keeping, and Laboratory Procedures (Update for the Meadows Sample Station and Sampling)
3) Section III- Process Facility Operations (Update the following Chapters)
   a) Chapter 5- Flocculation – Rerating of Basins 1, 2, and 3
   b) Chapter 6- Sedimentation - Rerating of Basins 2 and 3
   c) Chapter 7- Filtration – Include Filter Plant 4A and recent improvement to Filter Plant 2 and Filter Plant 3 (air scour, new media, underdrain replacement, PLC)

d) Chapter 8- Clearwater Reservoir – Change to Chlorine Contact Basin and incorporate CT compliance revisions
e) Chapter 9- Chemical Facility
    i) Alum System
    ii) Sodium Hypochlorite System
    iii) Flocculant Aid Polymer System
    iv) Filter Aid Polymer System
    v) Sodium Bisulfite System
    vi) Fluoride System
    vii) Chlorine Dioxide Generation System
    viii) Facility HVAC and Support Systems
f) Chapter 10- Sludge Handling (revise to include Deskins Filter Drying Beds)
g) Chapter 11- Backwash Wastewater Handling (Revise for new capacity and piping)
h) Chapter 13- Cold-Water System Revise for new station and CT
i) Chapter 14- Utilities Update Utilities

4) Section V
    a) Plant Hazard and Safety Considerations
        i) Fire Pump System
5) Section VI (Create a new section to Document the SCADA and HMI system)
    a) Supervisor Control and Data Acquisition System

The Operator Instruction Sections will follow the format and general content of the existing WTP Operator Instruction Manuals.

The Consultant will provide a draft version of the manual for review by the City. Consultant will provide each draft manual at least 1-month prior to Contractor scheduled system startup to allow for City review prior to vendor provided training. The manuals will be finalized by the Consultant following training of the City staff and startup of the associated system. Four hard copies and an electronic version of the new sections of the final Operator Instruction Manuals will be provided to the City.

Task Deliverable(s)

1. Operator Instruction Manuals (PDF format).

Assumptions Used in Developing this Scope of Services

The Consultant's basis for estimating engineering costs for the project is based on the elements included in the task descriptions above and the following assumptions:

1. The Contractor's construction period will last approximately 22 months, however with the exception of record drawings all Consultant's work will be completed by June 30, 2016.

2. Consultant's review of shop drawings, samples and submittals shall be for general conformance with the design concept and general compliance with the requirements of the contract for construction. Consultant's review shall not relieve the Contractor from its responsibility for performance in accordance with the contract for construction, nor is such review a guarantee that the work covered by the shop drawings, samples and submittals is free of errors, inconsistencies or omissions.

3. RPR will be furnished by the City under a separate contract. RPR is responsible for coordinating special inspections and construction management except for those activities specifically

described in the scope above. RPR will contract directly with a materials testing firm for all necessary concrete, compaction and other materials testing.

4. The project will be constructed under one general contract for construction.

5. Any labor and expenses, above the effort defined in this scope, required to address construction claims, unforeseen subsurface considerations or additional construction requested by the Contractor or City would constitute additional services.

6. Any claims resolution or litigation assistance requested of Consultant, above and beyond those services specifically defined in this scope, will constitute additional services.

7. The City will give prompt notice to Consultant whenever City observes or becomes aware of any development that affects the scope or timing of Consultant's services, or of any defect in the work of Consultant or the Contractor.

8. The City will examine information submitted by Consultant and render in writing or otherwise provide decisions in a timely manner.

9. The City will furnish required information and approvals in a timely manner.

10. The RPR will keep a copy of all Contractor deliverables for City records. Contractor deliverables include: shop drawings, samples, application for payment, certificates, construction photos, record documents, releases from liens, claims, and agreements, contractor design data, manufacturer's instructions, operation and maintenance data, schedules, special guarantees, statements of qualification, permits, test and inspection reports, testing and startup data, and training data.

11. The RPR, under separate contract with the City, will maintain the ShareFile system for document management.

12. City's Insurance: City will maintain property insurance on all pre-existing physical facilities associated in any way with the Project. City will provide for a waiver of subrogation as to all City-carried property damage insurance, during construction and thereafter, in favor of Consultant, Consultant's officers, employees, affiliates, and subcontractors. City will provide (or have the construction contractor(s) provide) a Builders Risk All Risk insurance policy for the full replacement value of all Project work including the value of all onsite City-furnished equipment and/or materials associated with Consultant's services. Such policy will include coverage for loss due to defects in materials and workmanship and errors in design, and will provide a waiver of subrogation as to Consultant and the construction contractor(s) (or City), and their respective officers, employees, agents, affiliates, and subcontractors. City will provide Consultant a copy of such policy.

13. Consultant will manage the health, safety and environmental activities of its staff to achieve compliance with applicable health and safety laws and regulations. Consultant will coordinate with responsible parties to correct conditions that do not meet applicable federal, state and local occupational safety and health laws and regulations, when such conditions expose Consultant staff, or staff or City staff to unsafe conditions. Consultant is not responsible for health or safety precautions of construction workers. Consultant is not responsible for the Contractor's compliance with the health and safety requirements in the contract for construction, or with federal, state, and local occupational safety and health laws and regulations.

Payment

Compensation will be on a time and expense basis with labor billed at a raw labor multiplier of 3.10, subconsultant expenses billed at actual cost plus multiplier of 1.05, and direct expenses at actual cost or standard billing rates. The hourly billing rates will include allowances for salary, benefits, overhead, and profit. Subconsultant expenses will include geotechnical investigation and site survey. Other expenses will include travel, printing, mailing, copying, supplies, and other similar costs incurred in performance of the work. A budgetary amount for the Consultant's services is included in Attachment 1. Scope items indicated above by "Not in Contract" (Tasks 2.3, 4.2, 4.3, and 4.4) are not included in the initial contract authorization. Consultant will submit a request for additional compensation in the future to fund these additional scope items. The labor rates listed in Attachment 1 are estimated rates for 2014 through 2016, which are based on an assumed 4 percent average labor cost increase from current rates. Labor will be billed at the actual labor rates at the time the work is performed.

The Consultant shall make reasonable efforts to complete the work within this budget and will keep the City informed of progress toward that end so that the budget or work effort can be adjusted if found necessary. The Consultant shall not exceed the total budgetary amount without prior written approval from the City.

Attachment 1 – Project Fee

Attachment-1 Project Fee

Activity/Task Description	Kevin Heffernan Project Manager	Mark Merklein Design Manager	Albert Paquet Senior Consultant	Steven Silkworth Architect	Brad Schutt Process Engineer	Holly Werth Process Engineer	Randall Presleigh Structural Engineer	Larry Fox Instrumentation and Control	Jeff Nessl Civil Engineer	Jonathan James Electrical Engineer	Dan Robillard HVAC Engineer	Cody Schnee CADD Technician	Lisa Hoffman Administration Assistant	Amy Stapley Project Accountant	Linda Carlson Document Control	Total Labor Hours	Labor Cost	Expenses[2]	Travel Cost	Total Cost Estimate	Initial Contract Authorization
Labor Rates[1]	$267.90	$201.72	$218.03	$220.99	$160.59	$171.05	$143.70	$216.85	$229.45	$149.99	$186.63	$111.64	$77.61	$81.26	$106.96						
Engineering Services During Construction																					
Task 0 Value Engineering Support																					
Task 0.1 VE Assistance	43	25	13		10			3	8			4			4	110	$24,364	$487	$50	$24,901	$24,901
Task 0 Subtotal	43	25	13		10			3	8			4			4	110	$24,364	$487	$50	$24,901	$24,901
Task 1 Project Management																					
Task 1.1 Project Execution Plan & Setup		16	1	1	1	1	1	1	1	1	1	1				26	$5,036	$101		$5,137	$5,137
Task 1.2 Project Management	80	200											40	48		368	$68,781	$1,376		$70,156	$70,156
Task 1 Subtotal	80	216	1	1	1	1	1	1	1	1	1	1	40	48		394	$73,817	$1,476		$75,293	$75,293
Task 2 Meetings																					
Task 2.1 Pre-Construction Conference	8	8	4													20	$4,629	$93	$79	$4,800	$4,800
Task 2.2 Progress Meetings			350													350	$76,311	$1,526	$834	$78,671	$78,671
Task 2.3 Quality Control and Coordination Meetings (NOT INCLUDED)		64														64	$12,910	$258	$628	$13,797	
Task 2.4 Concrete Pre-Installation Meeting		8					8									16	$2,763	$55	$79	$2,897	$2,897
Task 2.5 PICS Coordination Meetings			24					48								72	$15,642	$313	$79	$16,033	$16,033
Task 2.6 Shut-Down Coordination Meeting		24	24													48	$10,074	$201	$471	$10,747	$10,747
Task 2.7 Facility Startup Meetings		32	32					32		32						128	$25,171	$503	$314	$25,988	$25,988
Task 2 Subtotal	8	136	434				8	80		32						698	$147,499	$2,950	$2,483	$152,933	$139,136
Task 3 Submittal and Construction Administration																					
Task 3.1 Submittal Review		48		80	224	160	140	80	16	120	60				48	976	$166,170	$3,323		$169,493	$169,493
Task 3.2 Requests for Clarification/Interpretation		53		24	24	24	40	24	30	40	16					275	$50,776	$1,016		$51,791	$51,791
Task 3.3 Change Orders	25	44		20	20	20	20	20	20	24	12	28				253	$47,391	$948		$48,339	$48,339
Task 3 Subtotal	25	145		124	268	204	200	124	66	184	88	28			48	1504	$264,337	$5,287		$269,623	$269,623
Task 4 Field Service, Startup, Record Drawings																					
Task 4.1 Design Team Site Visits	16	160	40		100	80		120		80	16					612	$116,033	$2,321	$1,571	$119,925	$119,925
Task 4.2 Startup Assistance (NOT INCLUDED)	16	40	80		100	80		80		80						476	$88,888	$1,778	$785	$91,451	
Task 4.3 Record Drawings (NOT INCLUDED)	4	16	4	8	8	8		8	8	8	8	230				310	$41,533	$831		$42,363	
Task 4.4 Operator Instruction Manuals (NOT INCLUDED)	8	8			40	80		40		24	24		24			248	$42,480	$850		$43,330	
Task 4 Subtotal	44	224	124	8	248	248		248	8	192	48	230	24			1646	$288,934	$5,779	$2,356	$297,069	$119,925
Project Total	157	721	559	133	517	453	209	453	75	409	137	259	64	48	48	4242	$774,587	$15,492	$4,839	$819,819	$628,878

Note(s)

1. Blended labor rates were used to estimate budgets for the period beginning April 2014 through June 2016. Actual rates will be based upon the raw labor multiplier per the Payment paragraph of Exhibit A in the contract.
2. 2-percent of labor cost for expenses assumed, plus travel.

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City of Loveland

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

AGENDA ITEM: 3

MEETING DATE: 9/17/2014

SUBMITTED BY: Jim Lees, Utility Accounting Manager

TITLE: 2015 Water & Power Schedule of Rates, Charges and Fees

DESCRIPTION:
The purpose of this item is to ask the Loveland Utilities Commission to adopt a motion recommending that City Council approve the proposed changes in the Water and Power Schedule of Rates, Charges and Fees for 2015.

SUMMARY:
An overall 5.83% rate increase is proposed for the Power Utility for 2015. This increase is made up of three components: 1) the rate increase that was recommended from the 2013 cost-of-service rate study; 2) a wholesale power rate increase from Platte River Power Authority (PRPA), which was not planned at the time of the 2013 rate study; and 3) a rate increase that is proposed to recover 2013 Flood expenses that will not be reimbursed by FEMA, the State or CIRSA, the City's insurer. An overall rate increase of 9.0% is proposed for the Water Utility for 2015. 1.0% of this increase is the ongoing annual request to generate funding for future needs of the Raw Water Program. The other 8.0% is to fund capital projects both at the Water Treatment Plant and for the distribution system to address aging infrastructure and improve reliability and redundancy. An overall rate increase of 9.1% is proposed for the Wastewater Utility to fund capital projects both at the Wastewater Treatment Plant and for the collection system to address aging infrastructure and improve reliability and redundancy. Every other year, a comprehensive update of the fees, charges and deposits contained in the Water and Power Schedule of Rates, Charges and Fees is undertaken, and 2014 is time for the next update. The System Impact Fees (SIF) for Water and Wastewater, and the Plant Investment Fee (PIF) for Power are recalculated annually, so the new SIFs and PIF are included with this update.

Power Rate Increase
The overall average rate increase for 2015 is 5.83%, which is due to three factors: 1) a 2.8% rate increase that was recommended from the 2013 cost-of-service rate study; 2) a 2.03% pass-through rate increase to cover PRPA's 2.5% wholesale power rate increase, which was not planned at the time of the 2013 rate study; and 3) a 1% rate increase to recover 2013 Flood expenses that will not be reimbursed by FEMA, the State or CIRSA, the City's insurer. The rate increases will vary by class based on the results of the cost-of-service rate study.

When the cost-of-service rate study was conducted last year, the direction given by the LUC was to move to cost of service with the monthly base charge, the energy rates and the demand rates over a two-year period. This would imply that the proposed changes for 2015 would need to take the rates to cost of service to achieve this direction. A drawback with this approach is that if no limits are put on the rate adjustments, then two of our core rate classes, Small General Service and Primary Service, would be looking at rate increases of about 10%. Last year, the LUC gave direction to make the rate adjustments for all classes be + or – 3% from the overall rate increase of 1.62%. Because we are starting from a larger overall rate increase of 5.83% this year, our rate consultant, Mark Beauchamp, recommended making the range of rate adjustments for 2015 + or – 2% from the 5.83% for all of the rate classes. This will still result in a strong move in the direction of cost of service, as the four core rate classes highlighted here will all be within 3% of cost of service.

Taking into account the + or – 2% range limitation, the 5.83% overall rate increase will yield the following average rate increases by rate class:

RATE CLASS:	**% Increase**
Residential	5.02%
Small General Service	7.81%
Large General Service	5.85%
Primary Service with Customer-owned Transformer	7.06%

Here is a summary of the changes in the base, consumption and demand charges for the key rate classes that Mark has developed for 2015:

SUMMARY OF KEY CHANGES

POWER: SUMMER MONTHS	July-Sept. 2014	July-Sept. Proposed 2015
Residential:		
Base Charge (per month)	$10.77	$12.65
Consumption Charge (per kWh including PILT)	$0.08029	$0.08217
Small General Service:		
Base Charge (per month)	$17.22	$20.25
Consumption Charge (per kWh including PILT)	$0.07963	$0.08554
Large General Service:		
Base Charge (per month)	$77.98	$91.00
Consumption Charge (per kWh including PILT)	$0.03860	$0.04255
Demand Charge (per kW)	$12.65	$13.50
Primary Service (with Customer-owned Transformer):		
Base Charge (per month)	$90.17	$99.50
Consumption Charge (per kWh including PILT)	$0.03707	$0.04117
Demand Charge (per kW)	$12.00	$13.00

POWER: NON-SUMMER MONTHS	Jan.-June, Oct.-Dec. 2014	Jan.-June, Oct.-Dec. Proposed 2015
Residential:		
Base Charge (per month)	$10.77	$12.65
Consumption Charge (per kWh including PILT)	$0.06772	$0.06944
Small General Service:		
Base Charge (per month)	$17.22	$20.25
Consumption Charge (per kWh including PILT)	$0.07374	$0.07827
Large General Service:		
Base Charge (per month)	$77.98	$91.00
Consumption Charge (per kWh including PILT)	$0.03974	$0.04345
Demand Charge (per kW)	$9.85	$9.40
Primary Service (with Customer-owned Transformer):		
Base Charge (per month)	$90.17	$99.50
Consumption Charge (per kWh including PILT)	$0.03832	$0.04177
Demand Charge (per kW)	$9.20	$9.00

If approved, the 5.83% rate increase would result in the following average monthly changes by rate class:

AVERAGE CHANGE IN MONTHLY POWER BILL	Overall Avg. Change	Summer Avg. Change	Non-Summer Avg. Change
Residential	$3.20	$4.06	$2.86
Small General Service	$14.85	$20.15	$10.22
Large General Service	$231.14	$521.27	$134.43

There are only three Primary Service customers with very diverse energy usage profiles, so an average change for that class is not very meaningful.

Coincident Peak Demand and Plug-In Electric Vehicle Charging Station Rates

One of the outcomes from last year's rate study was the development of two new rates. For commercial customers with demand of 1,400 kW or higher, the Coincident Peak Demand rate was developed, and, for electric vehicle operators, a plug-in charging rate was established for public charging stations. The Coincident Peak Demand rate is a confidential custom rate for each of the seven customers based on their energy usage profile, and the updated rates for 2015 will be delivered to each customer in December. The Plug-In Electric Vehicle Charging Station rate will be unchanged at $1.00 per hour.

Water Rate Increase

In accordance with the Water Financing Plan that was passed by City Council in March of 2013, there is a 9% across-the-board rate increase proposed for Water in 2015. 8% will be to address aging infrastructure and operational needs and 1% will be the recurring request to fund the future needs of the Raw Water program. The following table highlights some of the key proposed changes:

SUMMARY OF KEY CHANGES (all based on 3/4" meter size)	2014	Proposed 2015
WATER		
Single Family Residential:		
Base Charge (per month)	$11.38	$12.40
Consumption Charge (per 1,000 gallons)	$1.98	$2.16
Multi-Family Residential:		
Base Charge (per month)	$16.76	$18.27
Consumption Charge (per 1,000 gallons)	$1.82	$1.98
Commercial:		
Base Charge (per month)	$11.38	$12.40
Consumption Charge (per 1,000 gallons)	$1.99	$2.17
Irrigation:		
Base Charge (per month)	$11.38	$12.40
Consumption Charge (per 1,000 gallons)	$2.43	$2.65

- If approved, the 9% rate increase would result in the following average monthly changes by rate class:

AVERAGE CHANGE IN MONTHLY WATER BILL	Overall Avg. Change
Single-Family Residential	$2.48
Multi-Family Residential	$2.34
Commercial	$8.51
Irrigation (avg. monthly change during irrigation season)	$11.29

Wastewater Rate Increase

In accordance with the results of the cost-of-service rate study from 2012, there is an overall average rate increase of 9.1% proposed for Wastewater in 2015. All of the rate classes will receive an 11% rate increase with the exception of the Commercial class, where the rates will be unchanged. This freezing of Commercial rates is at the request of City Council. The cost-of-service results showed that the Commercial class should have their rates reduced by 17%, but Council directed Staff to keep the Commercial rates the same until the cost of serving the Commercial class catches up with the current rates. The 9.1% increase will be primarily to address aging infrastructure. The following table highlights some of the key proposed changes:

SUMMARY OF KEY CHANGES (all based on 3/4" meter size)	2014	Proposed 2015
WASTEWATER		
Single Family Residential:		
Base Charge (per month)	$9.12	$10.12
Consumption Charge (per 1,000 gallons)	$2.87	$3.19
Multi-Family Residential:		
Base Charge (per month)	$3.81	$4.23
Consumption Charge (per 1,000 gallons)	$2.87	$3.19
Commercial:		
Base Charge (per month)	$8.00	$8.00
Consumption Charge (per 1,000 gallons)	$3.21	$3.21
Extra Strength Surcharge:		
Biochemical Oxygen Demand (BOD) Charge per pound (in Excess of Domestic Load)	$0.49	$0.54
Total Suspended Solids (TSS) Charge per pound (in Excess of Domestic Load)	$0.29	$0.32

If approved, the 9.1% rate increase would result in the following average monthly changes by rate class:

AVERAGE CHANGE IN MONTHLY WASTEWATER BILL	Overall Avg. Change
Single-Family Residential	$2.31
Multi-Family Residential	$1.38
Commercial	$0.00

Utility Impact Fees

Each year, for the Water, Wastewater and Power Utilities, the utility impact fees are recalculated based on changes in plant size, plant value and customer growth. The following paragraphs cover the proposed impact fees for all three utilities for 2015.

Power

The electric Plant Investment Fee (PIF) is proposed to increase on average by 4.9% in 2015. The PIF is collected in two ways: for residential, it is an up-front fee when a house is constructed, and for non-residential, it is collected monthly on a charge per kWh basis. The PIF for residential 150-amp service installations would increase from $1,270 to $1,330, and the PIF for residential service installations above 150-amps would increase from $1,630 to $1,710. A

Small General Service (small commercial) customer with average consumption would see a monthly increase of $0.50 while a Large General Service (large commercial) customer with average consumption would see a monthly increase of $11.25 in the PIF component of their utility bills.

The calculation for the PIF is based largely on current replacement costs for 600 amp feeders and substation plant. The methodology for updating the PIF involves using a utility cost index called the Handy-Whitman Index to bring original installed asset costs up to current replacement value. The most recent update of the Handy-Whitman Index was released in May of this year. It reflects costs as of the end of 2013, and shows increases ranging from 2.2% to 3.7% in 2013 in the key cost component areas impacting the PIF calculation. In addition, in 2013, there was an increase of about five miles in the amount of 600 amp feeders. There also was a small increase in the customer count. The combination of these factors yielded the proposed PIF increase of 4.9% for 2015.

Wastewater

The residential wastewater system impact fee (SIF) is proposed to increase 3.3%, from $2,410 to $2.490 for a single-family detached residential unit. The Engineering News Record (ENR) Construction Cost Index was utilized to bring original installed asset costs up to current replacement value. The Index for the end of 2013 showed a 2.7% increase in the cost component areas impacting the SIF calculation. There was a modest increase in the customer count. The combination of the increase in the replacement value of the assets, an increase of $1 million in Work In Progress/SIF Cash offset by the modest increase in the customer count yielded the proposed residential SIF increase of 3.3% for 2015. The Wastewater commercial SIFs are proposed to increase between 6.9% and 7.6%, depending on the tap size. A key component of the commercial SIF calculation is called the usage ratio. The usage ratio establishes the usage of a ¾" residential tap as the standard usage (a usage ratio of 1.0), then compares the usage of all other tap sizes relative to the residential ¾" usage. For example, on average, a 1" commercial tap will have a lot more usage than a ¾" residential tap, so the usage ratio for a 1" commercial tap will be some multiple (e.g. 8.6) of the average residential usage. We are seeing an upward trend in these usage ratios that we need to recognize in our calculation.

Water

The residential water system impact fee (SIF) is proposed to decrease 1.9%, from $4,670 to $4,580 for 2015 for a single-family detached residential unit. There were increases in the indices for water construction costs ranging from 1.6% to 2.7% in 2013 in the key cost component areas impacting the SIF calculation. These increases were offset by a 4.6% increase in the Single Family Equivalent (SFE) customer count. An interesting finding from the Water cost-of-service rate study that was completed in 2012 was that our commercial customers are having an equivalent impact on our water system during peak demand times as residential customers are. The assumption that was built into previous Water SIF calculations was that commercial customers were having a lower impact on the system at peak times than residential customers were. The outcome of the change of this assumption has a two-fold impact on the Water SIF calculation: it increases the total number of SFEs, which has a downward impact of the overall

SIF calculation, but, it also has an upward impact on the commercial SIFs. So, when the dust settled, the result was a decrease in the residential SIF, but an increase in the commercial SIFs. The Water commercial and irrigation SIFs are proposed to change between a range of 2.8% decrease to a 9.9% increase, depending on the tap size. The upward trend in usage ratios discussed in the Wastewater paragraph applies to Water, as well.

After deliberation at their August 27, 2014 meeting, the Construction Advisory Board unanimously recommended to City Council approval of all of the proposed changes to the impact fees.

Included in the PowerPoint slides are some comparisons between Loveland's rates and fees and those of surrounding communities. For rates, Power is overall second lowest between the four neighboring cities (with Fort Collins, Longmont and Greeley being the other three), Water is in the lower tier in a comparison of 18 Northern Colorado water providers, and Wastewater is more in the middle of the four cities. For impact fees, in looking at the three utilities combined for residential, Loveland is the lowest of the four cities. For commercial impact fees, in looking at combined fees for Water and Wastewater for the most common tap sizes, Loveland is lowest of the four cities for the ¾" commercial tap (which makes up about 60% of all of our commercial taps) and is in the middle for the larger tap sizes. It is also important to note that these comparisons are looking at Loveland's 2015 proposed rates and fees compared to the 2014 rates and fees for the neighboring communities, so the comparisons will likely become more favorable once the 2015 figures for the neighboring communities are known.

Other Significant Changes To The Schedule Of Rates, Charges And Fees

The only other item of note is that consistent feedback from operations staff indicated that travel time to and from job sites is taking longer due to traffic. This has led to some significant increases in some of the fees (e.g. Disconnect/Reconnect Services and Special Trips to Read or Change Out Meters) due to more time to complete the service.

RECOMMENDATION:

Adopt a motion recommending that City Council approve the proposed changes in the Water and Power Schedule of Rates, Charges and Fees for 2015.

REVIEWED BY DIRECTOR:

AP for SA

ATTACHMENTS

Attachment A: PowerPoint Slides – 2015 Proposed W&P Rates, Charges & Fees
Attachment B: PowerPoint Slides – 2015 Water & Power Impact Fees
Attachment C: Proposed 2015 Water and Power Department Schedule of Rates, Charges and Fees

2015 Proposed W&P Rates, Charges & Fees

Loveland Utilities Commission Presentation

September 17, 2014

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Presentation Overview

- Present proposed Power rate increase for 2015
  - Justifications for proposed increase
  - Impacts on typical customers' monthly bills
  - Compare typical customers' monthly bills with surrounding cities
- Present proposed Water rate increase for 2015
  - Justifications for proposed increase
  - Impacts on typical customers' monthly bills
  - Compare typical customers' monthly bills with surrounding cities
- Present proposed Wastewater rate increase for 2015
  - Justifications for proposed increase
  - Impacts on typical customers' monthly bills
  - Compare typical customers' monthly bills with surrounding cities
- Utility Impact Fees
- Questions/Discussions

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Proposed Power Rate Increase

- 5.83% Power Rate Increase
  - Combo of recommended increase from rate study, PRPA pass-through, Flood recovery
  - Rate increases vary by class depending on cost-of-service results
  - All rate classes to be adjusted for 2015 by 5.83% + or – 2%
  - All rate classes moving close to cost of service in 2015
  - Coincident Peak Demand and EV Public Charging Stations

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% Power Rate Increase By Customer Class

Customer Class	% Increase
Residential	5.02%
Small General Service	7.81%
Large General Service	5.85%
Primary Service w/ Customer-owner Xfmr	7.06%

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Typical Electric Bill Impacts – Based on Summer Rates

Customer	Monthly Consumption	Existing Bill	Proposed Bill	Total Change
Residential	700 kWh	$66.97	$70.17	$3.20
Commercial	2,000 kWh	$176.48	$191.33	$14.85

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Electric Rate Comparisons- Residential

	Loveland 2015 Proposed	Ft. Collins (Current)	Greeley (Current)	Longmont (Current)
Residential: 700 kWh/mo.; based on Summer rates				
Monthly Base Charge	$12.65	$4.75	$7.83	$10.40
Consumption Charge per kWh	$0.08217	$0.08957+	$0.10008+	$0.07550+
Total Monthly Bill	$70.17	$70.80	$88.08	$63.25
Rank (1=lowest)	2	3	4	1

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Electric Rate Comparisons-Commercial

	Loveland 2015 Proposed	Ft. Collins (Current)	Greeley (Current)	Longmont (Current)
Commercial: 2,000 kWh/mo.; based on Summer rates				
Monthly Base Charge	$20.25	$3.90	$12.47	$16.40
Consumption Charge per kWh	$.08554	$.09317	$0.12137	$.07800
Total Monthly Bill	$191.33	$190.24	$255.21	$172.40
Rank (1=lowest)	3	2	4	1

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Proposed Water Rate Increase

- 9.0% Water Rate Increase
  - Rate increase consistent with Council-approved Water Utility Financing Plan
  - 8.0% to address aging infrastructure, reliability and redundancy
  - 1.0% for future needs of Raw Water Program
  - 9.0% rate increase across-the-board for all rate classes

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Typical Water Bill Impacts

Customer	Monthly Water Use	Existing Bill	Proposed Bill	Total Change
Residential Inside City- ¾" tap size	8,100 gal	$27.42	$29.90	$2.48
Commercial Inside City- ¾" tap size	41,630 gal	$94.22	$102.74	$8.52

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Water Rate Comparisons- Residential

	Loveland 2015 (Proposed)	Ft. Collins (Current)	Greeley (Current)	Longmont (Current)
Residential: 8,100 gallons/mo.; ¾" tap size; based on Summer rates				
Monthly Base Charge	$12.40	$16.33	$10.60	$4.36
Usage Charge per 1,000 Gallons	$2.16	$2.53+	$4.04	$1.89+
Total Bill	$29.90	$37.24	$43.32	$24.03
Rank (1=lowest)	2	3	4	1

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Water Rate Comparisons- Commercial

	Loveland 2015 (Proposed)	Ft. Collins (Current)	Greeley (Current)	Longmont (Current)
Commercial: 41,630 gallons/mo.; ¾" tap size; Summer rates				
Monthly Base Charge	$12.40	$14.45	$10.60	$4.36
Usage Charge per 1,000 Gallons	$2.17	$2.51	$3.66	$2.55
Total Bill	$102.74	$119.02	$162.97	$110.52
Rank (1=lowest)	1	3	4	2

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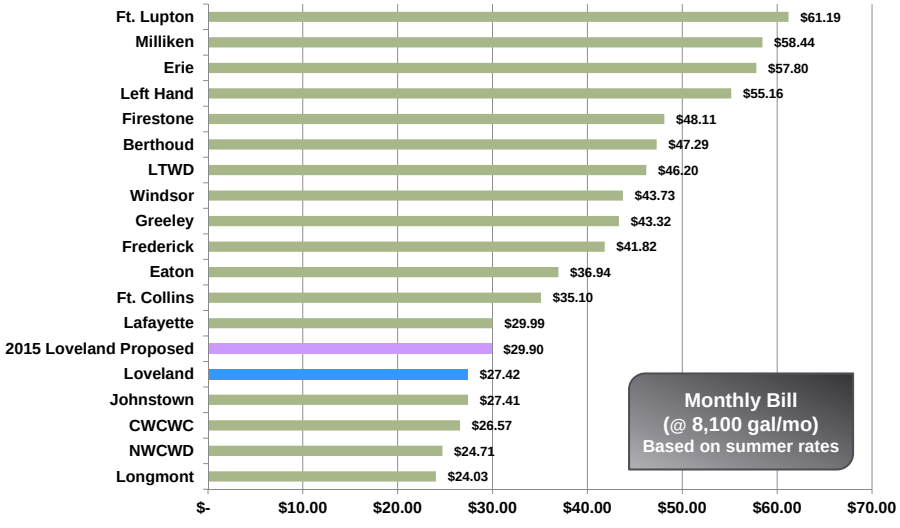
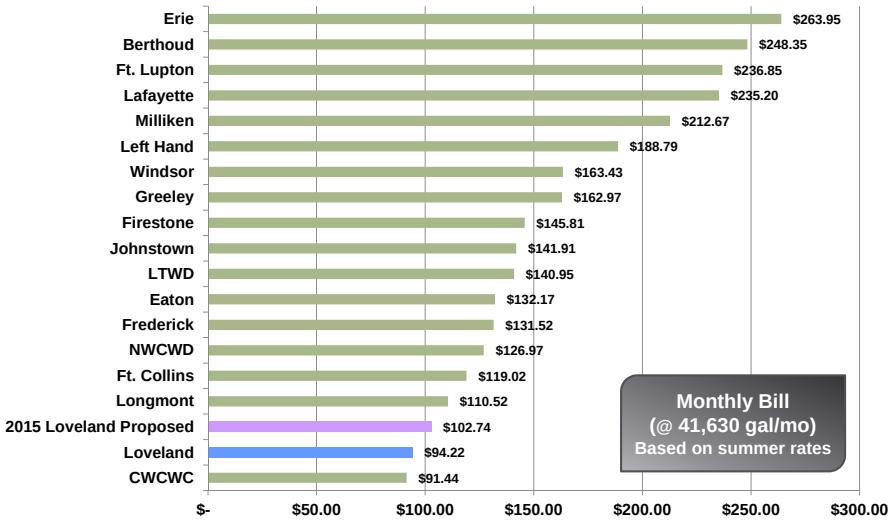
2014 Water Average Residential Bill Comparison



2014 Water Average Commercial Bill Comparison



Proposed Wastewater Rate Increase

- 9.1% Wastewater Rate Increase
  - To address aging infrastructure, regulatory compliance, reliability and redundancy
  - 11% increase applied to Residential and High Strength Surcharge customers
  - City Council direction to keep rates unchanged for the Commercial class

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Typical Wastewater Bill Impacts

Customer	Monthly Water Use	Existing Bill	Proposed Bill	Total Change
Residential Inside City- ¾" tap size	4,100 gal	$20.89	$23.20	$2.31
Commercial Inside City- ¾" tap size	36,719 gal	$125.87	$125.87	$0.00

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Wastewater Rate Comparisons- Residential

	Loveland 2015 (Proposed)	Ft. Collins (Current)	Greeley (Current)	Longmont (Current)
Residential: 4,100 gallons/mo.				
Monthly Base Charge	$10.12	$17.18	$11.55	$9.50
Usage Charge per 1,000 Gallons	$3.19	$3.34	$1.75	$4.11
Total Bill	$23.20	$30.87	$18.73	$26.35
Rank (1=lowest)	2	4	1	3

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Wastewater Rate Comparisons-Commercial

	Loveland 2015 (Proposed)	Ft. Collins (Current)	Greeley (Current)	Longmont (Current)
Commercial: 36,719 gallons/mo.				
Monthly Base Charge	$8.00	$8.64	$11.55	$9.50
Usage Charge per 1,000 Gallons	$3.21	$2.99	$2.89	$4.11
Total Bill	$125.87	$118.52	$117.67	$160.42
Rank (1=lowest)	3	2	1	4

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City of Loveland

2015 Water & Power Impact Fees

Utility Impact Fees

Each year, the utility impact fees are recalculated based on:

Plant value

Customer growth

Usage patterns

Electric Impact Fees (PIF)

$60

Single-family homes would increase 4.7%

Reasons For Increase

Increase in the construction cost index and five miles of 600 amp feeders added, offset by a small increase in customer count

Wastewater Impact Fees (SIF)

$80

Single-family homes would increase 3.3%

Reasons For Increase

An increase in the construction cost index coupled with an increase in WIP/SIF Cash, offset by a modest increase in customer count.

Water Impact Fees (SIF)

-$90

Single-family homes would decrease 1.9%

Reasons For Decrease

Modest increase in construction cost index more than offset by increase in Single Family Equivalent customer count

Let's Compare…Residential

	Loveland Proposal	Ft Collins Current	Greeley Current	Longmont Current
Water				
Single Family	$4,580	$3,664	$10,600	$11,132
Wastewater (WW)				
Single Family	$2,490	$3,090	$5,600	$6,830
Electric				
Single Family	$1,330	$2,721	N/A	$619
Total Wtr, WW, Elec				
Single Family	$8,400	$9,475	$16,200	$18,581
Combined Rank (1=lowest)				
Single Family	1	2	3	4

Note: Greeley does not have its own electric utility

Let's Compare…Commercial

	Loveland Proposal	Ft Collins Current	Greeley Current	Longmont Current
Water				
¾ inch	$6,400	$7,000	$10,600	$16,250
1 inch	$19,960	$19,050	$17,700	$27,090
1.5 inch	$36,780	$41,600	$35,300	$54,180
Wastewater (WW)				
¾ inch	$6,210	$6,550	$5,600	$8,800
1 inch	$20,160	$15,440	$9,400	$14,670
1.5 inch	$35,570	$29,890	$18,800	$29,350
Total Water & WW				
¾ inch	$12,610	$13,550	$16,200	$25,050
1 inch	$40,120	$34,490	$27,100	$41,760
1.5 inch	$72,350	$71,490	$54,100	$83,530
Combined Rank (1=lowest)				
¾ inch	1	2	3	4
1 inch	3	2	1	4
1.5 inch	3	2	1	4

Through the Years…

SIF / PIF HISTORY: 2010-2015							
SINGLE FAMILY RESIDENTIAL	2010	2011	2012	2013	2014	Proposed 2015	6 Yr Avg. Change
WATER	$4,600	$4,480	$4,560	$4,670	$4,670	$4,580	
$ Change	$260	($120)	$80	$190	$0	($90)	
WASTEWATER	$2,590	$2,550	$2,560	$2,510	$2,410	$2,490	
$ Change	$230	($40)	$10	($40)	($100)	$80	
POWER (150 amp or less)	$1,160	$1,190	$1,250	$1,270	$1,270	$1,330	
$ Change	$310	$30	$60	$80	$0	$60	
TOTAL WTR, WW, PWR	$8,350	$8,220	$8,370	$8,450	$8,350	$8,400	
$ Change	$800	($130)	$150	$230	($100)	$50	$167
% Change	10.6%	-1.6%	1.8%	2.8%	-1.2%	0.6%	2.2%

Additional Questions? Comments!

Attachment C

CITY OF LOVELAND,

COLORADO

Water and Power Department

Schedule of Rates, Charges and Fees

Effective 1/1/~~14~~15

TABLE OF CONTENTS

SUMMARY

Electric Rates		
Annexation Surcharge	5%	
Renewable Energy Premium per 100 kilowatt-hour (kWh)	$2.70	
	Jan.-June, Oct.-Dec.	July-Sept.
Residential (Schedule R)		
Base Charge per Month	$~~10.77~~12.65	$~~10.77~~12.65
Energy Charge per kWh	$~~0.06180~~0.06320	$~~0.07380~~0.07540
PILT per kWh	$~~0.00592~~0.00624	$~~0.00649~~0.00677
Residential Demand (Schedule RD) No new Schedule RD Customers accepted after Dec. 31, 2014		
Base Charge per Month	$~~19.05~~20.10	$~~19.05~~20.10
Energy Charge per kWh	$~~0.03150~~0.03600	$~~0.03150~~0.03500
PILT per kWh	$~~0.00438~~0.00464	$~~0.00504~~0.00537
Demand Charge per kW	$~~7.30~~6.90	$~~8.80~~9.00
Small General Service (Schedule SG)		
Base Charge per Month	$~~17.22~~20.25	$~~17.22~~20.25
Energy Charge per kWh	$~~0.06790~~0.07200	$~~0.07350~~0.07890
PILT per kWh	$~~0.00584~~0.00627	$~~0.00613~~0.00664
Plant Investment Fee per kWh	$~~0.00514~~0.00539	$~~0.00514~~0.00539
Large General Service (Schedule LG)		
Base Charge per Month	$~~77.98~~91.00	$~~77.98~~91.00
Energy Charge per kWh	$~~0.03501~~0.03853	$~~0.03349~~0.03700
PILT per kWh	$~~0.00473~~0.00492	$~~0.00511~~0.00555
Plant Investment Fee per kWh	$~~0.00514~~0.00539	$~~0.00514~~0.00539
Demand Charge per kW	$~~9.85~~9.40	$~~12.65~~13.50
Primary Service with Customer Owned Transformer (Schedule PT)		
Base Charge per Month	$~~90.17~~99.50	$~~90.17~~99.50
Energy Charge per kWh	$~~0.03432~~0.03755	$~~0.03283~~0.03650
PILT per kWh	$~~0.00400~~0.00422	$~~0.00424~~0.00467
Plant Investment Fee per kWh	$~~0.00499~~0.00523	$~~0.00499~~0.00523
Demand Charge per kW	$~~9.20~~9.00	$~~12.00~~13.00

Electric Rates Cont'd	
Coincident Peak Demand Service (see page 24)	
Transmission Voltage by Contract (Schedule TS)	
Area Lighting (Schedule AL)	Jan.-Dec.
Rate per watt of bulb	$~~0.04935~~0.05320
PILT per watt of bulb	$~~0.00369~~0.00398
Flat Rates (Schedule FR)	Jan.-Dec.
Signal Amplifiers	$~~29.08~~31.35
PILT	$~~2.18~~2.35
Automatic Sprinkler Controls	$~~4.32~~4.66
PILT	$~~0.32~~0.34
Bus Shelters	$~~17.88~~19.27
PILT	$~~1.34~~1.44

Wastewater Rates

Monthly Flat Rate	Inside City	Outside City
Single-family residential	$~~20.89~~23.18	$~~31.35~~34.77
Multi-family residential per unit	$~~12.44~~13.81	$~~18.68~~20.72
Non-residential property (Commercial or Industrial)	$~~121.43~~125.87	$~~182.31~~188.81
Metered Water Service		
Monthly base charge – single-family residential	$~~9.12~~10.12	$~~13.68~~15.18
Monthly base charge – multi-family residential	$~~3.81~~4.23	$~~5.72~~6.35
Monthly base charge – commercial	$8.00	$12.00
Volume charge per 1,000 gallons – single-family residential	$~~2.87~~3.19	$~~4.31~~4.79
Volume charge per 1,000 gallons – multi-family residential	$~~2.87~~3.19	$~~4.31~~4.79
Volume charge per 1,000 gallons – commercial	$3.21	$4.82
High Strength Surcharge		
BOD charge per pound when discharge is greater than 276 mg/l	$~~0.49~~0.54	$~~0.74~~0.81
TSS charge per pound when discharge is greater than 207 mg/l	$~~0.29~~0.32	$~~0.44~~0.48

Water Rates

Metered Rates

The monthly service charge shall be the sum of the base charge and the use fee per 1,000 gallons as set forth below:

Single-Family Residential Base Charge

Tap Size (in inches)	Inside City	Outside City
0.75	$~~11.38~~12.40	$~~17.07~~18.60
1.00	$~~14.66~~15.98	$~~21.99~~23.97
1.50	$~~17.92~~19.53	$~~26.88~~29.30
2.00	$~~26.94~~29.36	$~~40.41~~44.04
3.00	$~~93.26~~101.65	$~~139.89~~152.48
4.00	$~~117.83~~128.43	$~~176.75~~192.65
6.00	$~~175.15~~190.91	$~~262.73~~286.37

Multi-Family Residential Base Charge

Tap size (in inches)	Inside City	Outside City
0.75	$~~16.76~~18.27	$~~25.14~~27.41
1.00	$~~20.03~~21.83	$~~30.05~~32.75
1.25	$~~21.67~~23.62	N/A
1.50	$~~23.30~~25.40	$~~34.95~~38.10
2.00	$~~32.31~~35.22	$~~48.47~~52.83
3.00	$~~98.58~~107.45	$~~147.87~~161.18
4.00	$~~123.12~~134.20	$~~184.68~~201.30
6.00	$~~180.39~~196.63	$~~270.59~~294.95

Commercial Base Charge

Tap size (in inches)	Inside City	Outside City
0.75	$~~11.38~~12.40	$~~17.07~~18.60
1.00	$~~14.66~~15.98	$~~21.99~~23.97
1.50	$~~17.92~~19.53	$~~26.88~~29.30
2.00	$~~26.94~~29.36	$~~40.41~~44.04
3.00	$~~93.26~~101.65	$~~139.89~~152.45
4.00	$~~117.83~~128.43	$~~176.75~~192.65
6.00	$~~175.15~~190.91	$~~262.73~~286.37

Water Rates Cont'd

Irrigation Base Charge

Tap size (in inches)	Inside City	Outside City
0.75	$~~11.38~~12.40	$~~17.07~~18.60
1.00	$~~14.66~~15.98	$~~21.99~~23.97
1.50	$~~17.92~~19.53	$~~26.88~~29.30
2.00	$~~26.94~~29.36	$~~40.41~~44.04
3.00	$~~93.26~~101.65	$~~139.89~~152.48
4.00	$~~117.83~~128.43	$~~176.75~~192.65
6.00	$~~175.15~~190.91	$~~262.73~~286.37

Charges for larger taps will be set by City Council.

Use Fee per 1,000 gallons	Inside City	Outside City
Single-Family Residential	$~~1.98~~2.16	$~~2.97~~3.24
Multi-Family Residential	$~~1.82~~1.98	$~~2.73~~2.97
Commercial	$~~1.99~~2.17	$~~2.99~~3.26
Irrigation	$~~2.43~~2.65	$~~3.65~~3.98

Hidden Valley Monthly Base Charge for 0.75 inch tap	$~~131.00~~145.65
Excess Water Use – Surcharge per 1,000 gallons	$~~0.85~~0.93
Fire Hydrant Charge per month	
Residential	$~~2.50~~2.70
Commercial	$~~6.20~~6.60
Fire Protection Tap Service Fee per month	$~~1.80~~1.90
Tank and Hydrant Rate per 300 gallons	$~~1.10~~1.20

Plant Investment Fees - Electric

Residential Service	
Residential over 150 amp service	$~~1,630.00~~1,710.00
Residential 150 amp service or less	$~~1,270.00~~1,330.00
Non-Residential per kWh	
Small General Service	$~~0.00514~~0.00539
Large General Service	$~~0.00514~~0.00539
Primary Service w/customer equipment	$~~0.00499~~0.00523

Coincident Peak Customers see page 25

System Impact Fees – Wastewater

	Inside City	Outside City
Detached one-family dwelling	$~~2,410.00~~2,490.00	$~~3,620.00~~3,740.00
Attached one-family dwelling, per unit	$~~2,110.00~~2,190.00	$~~3,170.00~~3,290.00
Two-family dwelling, per unit	$~~2,110.00~~2,190.00	$~~3,170.00~~3,290.00
Multifamily dwelling containing 3-8 dwelling units, per unit	$~~2,110.00~~2,190.00	$~~3,170.00~~3,290.00
Multifamily dwelling containing 9 or more dwelling units, per unit	$~~1,620.00~~1,690.00	$~~2,430.00~~2,540.00

Nonresidential

Tap size (in inches)	Inside City	Outside City
0.75	$~~5,770.00~~6,210.00	$~~8,660.00~~9,320.00
1.00	$~~18,850.00~~20,160.00	$~~28,280.00~~30,240.00
1.50	$~~33,210.00~~35,570.00	$~~49,820.00~~53,360.00

Nonresidential taps above 1.5-inch pays the capital recovery surcharge

Capital Recovery Surcharge – Wastewater

Inside City per 1,000 gallons of sewer billed	$~~0.715~~0.739
Outside City per 1,000 gallons of sewer billed	$~~1.073~~1.109

System Impact Fees – Water

	Inside City	Outside City
Detached one-family dwelling	$~~4,670.00~~4,580.00	$~~7,010.00~~6,870.00
Attached one-family dwelling, per unit	$~~2,790.00~~2,750.00	$~~4,190.00~~4,130.00
Two-family dwelling, per unit	$~~2,790.00~~2,750.00	$~~4,190.00~~4,130.00
Multifamily dwelling containing 3-8 dwelling units, per unit	$~~2,790.00~~2,750.00	$~~4,190.00~~4,130.00
Multifamily dwelling containing 9 or more dwelling units, per unit	$~~2,070.00~~2,190.00	$~~3,110.00~~3,290.00

Nonresidential

Tap size (in inches)	Inside City	Outside City
0.75	$~~5,830.00~~6,400.00	$~~8,750.00~~9,600.00
1.00	$~~18,390.00~~19,960.00	$~~27,590.00~~29,940.00
1.50	$~~33,790.00~~36,780.00	$~~50,690.00~~55,170.00

Irrigation

Tap size (in inches)	Inside City	Outside City
0.75	$~~12,640.00~~13,540.00	$~~18,960.00~~20,310.00
1.00	$~~34,690.00~~37,870.00	$~~52,040.00~~56,810.00
1.50	$~~89,240.00~~98,040.00	$~~133,860.00~~147,060.00
2.00	$~~112,360.00~~109,180.00	$~~168,540.00~~163,770.00
3.00	$~~284,740.00~~302,580.00	$~~427,110.00~~453,870.00

Tap sizes larger than 3-inch shall be established by City Council. The impact fee for taps larger than 1.5 inch applies only to irrigation meters. Nonresidential taps above 1.5 inch pay the capital recovery surcharge.

Hidden Valley Water Tap Activation Fee:
This fee applies to all water taps applied for on or after January 1, 2010 to serve lots authorized pursuant to Resolutions #R-35-2004 and #R-83-2005. Payment of this fee shall be due upon application for the water tap. The fee shall be calculated as follows: A x B x C = fee.

A = Number of months from July 1, 2005 to the activation fee due date
B = $67.00 per month
C = *Engineering News Record* 20 Cities Construction Cost Index (used to inflate the construction costs to current dollars)

Capital Recovery Surcharge - Water

Inside City per 1,000 gallons of water	$~~0.721~~0.707
Outside City per 1,000 gallons of water	$~~1.082~~1.061

Fire Tap Plant Investment Fee

Fire Tap Plant Investment Fee (outside City only)	$553.00

Raw Water Development Fee

Detached One-Family Dwelling	$1,000.00
Attached One-Family Dwelling, per unit	$1,000.00
Multifamily dwelling containing 2-24 dwelling units, per unit	$626.00
Multifamily dwelling containing 25 or more dwelling units, per unit	$123.00

Nonresidential

Tap size (in inches)	
0.75	$1,000.00
1.00	$1,700.00
1.50	$3,300.00
2.00	$5,300.00
3.00	$10,000.00

Tap sizes larger than 3-inch shall be established by City Council. The impact fee for taps larger than 1.5 inch applies only to irrigation meters. Commercial taps above 1.5 inch pay the capital recovery surcharge.

Raw Water Capital Recovery Surcharge Per 1,000 Gallons

Raw Water Capital Recovery Surcharge Per 1,000 Gallons	$~~0.150~~0.15

Electric Fees

Service Turn-On at the meter	$35.00
Service Turn-On at the meter – After Hours	$~~65.00~~100.00
Service Turn-Off at the meter resulting from an unauthorized Service Turn-On	$30.00
Disconnect/Reconnect Services	$~~155.00~~200.00
Disconnect/Reconnect Services with Engineering	$~~255.00~~320.00
Permanent Service Connect (No Disconnect Needed)	$~~155.00~~200.00
Permanent Disconnect of Service	$~~155.00~~200.00
Charges When Access Denied	
Appointment or Special Trip to Read the Meter	$~~15.00~~20.00
Appointment or Special Trip to Read the Meter After Hours	$~~25.00~~40.00
Appointment or Special Trip to Change the Meter	$~~55.00~~75.00
Appointment or Special Trip to Change Meter After Hours or Weekends	$~~70.00~~100.00
Service is disconnected at the junction box or the overhead pole When access to the pole is denied, actual costs will be billed	$~~155.00~~200.00
Residential Service Installations	
Typical Underground with 1/0 CIC	$~~590.00~~600.00
Typical Underground with 4/0 CIC	$~~800.00~~810.00
Typical Overhead	$~~310.00~~295.00
Multiplex 3-6 Units	$~~700.00~~735.00
Multiplex 7 or More Units (deposit, to be billed on actuals)	$~~855.00~~810.00

Electric Fees Cont'd

Field Engineering Deposits	
Residential and duplex single phase installations, 1-2 lots	$~~800.00~~830.00
Single commercial buildings, transformer upgrades, raising, lowering, or removing existing power	$~~1,200.00~~1,350.00
Residential subdivision of 3-25 lots, commercial subdivision of 2-10 lots, raising, lowering, or removing existing power	$~~1,600.00~~1,755.00
Residential subdivision of more than 25 lots, commercial subdivision of more than 10 lots, malls, shopping centers, hospitals	$~~3,000.00~~3,310.00
Other Deposits – See Section Fees – Electric "Other Deposits"	
Temporary Residential Connections	$~~170.00~~200.00
Termination and energizing electric services to small devices	$~~285.00~~270.00
Installation of Area Light	$~~325.00~~320.00
Electric Vehicle Charging Station	$1.00/hour

Wastewater Fees

Pretreatment Inspection Fee	$~~70.00~~75.00
	Actual Cost Plus
Pretreatment Significant Industrial User (SIU) Laboratory Analysis	$~~60.00~~70.00
Pretreatment SIU Public Notification of Violation	$~~82.00~~88.00
Tapping Fees 4 inch or 6 inch Tap	$~~215.00~~265.00
4 inch Saddle and Stainless Strap	$~~60.00~~65.00
6 inch Saddle and Stainless Strap	$~~80.00~~85.00

Water Fees

Construction Water Fee

Tap size (in inches)	
0.75	$~~34.00~~39.00
1.00	$~~56.00~~64.00
1.50	$~~113.00~~129.00
2.00	$~~180.00~~205.00
3.00	$~~336.00~~383.00
4.00	$~~559.00~~638.00

Above 4.00 inch tap will be negotiated with the Water and Power Department

Water Turn-on Fee – Regular Hours	$35.00
Water Turn-on Fee – After Regular Hours	$~~65.00~~100.00
Water Turn-off Fee for Unauthorized Service Turn-on	$30.00
Water Meter Appointment Fee – Regular Hours	$20.00
Water Meter Appointment Fee – After Regular Hours	$30.00
Raw Water Cash-in-lieu Fee per Acre-Foot (City Code Sec.19.04.040)	Set by Loveland Utilities Commission
Native Raw Water Storage Fee per Acre-Foot	
Barnes Ditch	$5,750.00
Big Thompson Ditch & Manufacturing Co.	$3,530.00
Buckingham Irrigation Co. (Geo. Rist Ditch)	$7,400.00
Chubbuck Ditch	$7,400.00
Louden Irrigating Canal and Reservoir Co.	$6,850.00
South Side Ditch Company	$6,770.00

Water Fees Cont'd

Construction Hydrant Meter Deposit	$1,000.00
Hydrant Meter Rental	
Daily Rental	$5.00
Install Fee	$~~25.00~~45.00
Remove Fee	$~~25.00~~45.00
Moving Meter Fee	$~~25.00~~45.00
Water Use	$~~1.10~~1.20/300 gallons
Meter Fees	
0.75 inch Meter and Readout	$~~180.00~~185.00
1.00 inch Meter and Readout	$255.00
Install Meter and Inspection	
Meter inspect	$45.00
Meter install	$~~75.00~~70.00
Water Tapping Fee	
0.75 inch	$~~285.00~~295.00
1.00 inch	$~~285.00~~310.00
1.50 inch	$~~325.00~~315.00
2.00 inch	$~~340.00~~325.00
Above 2.00 inch	$~~355.00~~400.00

Miscellaneous Fees

Late Payment Penalty	$~~12.00~~15.00
Field Collection Fee	$18.00
New Account Fee	$11.00
Reactivation Fee	$10.00
New Account Meter Reading Fee	$10.00
Interfering or Tampering with a Meter – electric or water	$~~50.00~~100.00
Return Check (Insufficient Funds) Charge	$25.00
Filing Fee for Unpaid Bills	$~~35.00~~80.00

I. Rates - Electric

Resale of Electric Current Prohibited

It is unlawful for any consumer who purchases electric service from the City to sell such service to others.

Surcharge

There is imposed a surcharge in the amount of five percent of base charges plus charges for energy, demand, payment-in-lieu-of-taxes (PILT) for the sale of electric power to services that come into existence in all areas annexed to the City after January 31, 1987, which areas were formerly a part of an exclusive service territory granted to a cooperative electric association by the Public Utilities Commission. Such surcharge shall expire ten years after the effective date of annexation of each such area.

Renewable Energy Premium

Availability
The renewable energy premium is available as an option to all residential, commercial, and industrial customers served under Schedules R, RD, SG, LG, PS, PT, and Coincident Peak Demand Service. The renewable energy premium is not available to Transmission Voltage Service, Area Light or Flat Rate customers served under Schedules TS, AL or FE.

Monthly Rate
Premium per each 100 kWh increment of energy $2.70
This charge is in addition to all other regular charges the customer incurs for electric service.

Monthly Minimum
The minimum bill shall be $2.70 for each 100 kWh increment requested by the customer in the service agreement, plus the minimum bill as identified in the principal rate schedule for the customer.

Conditions
Service Restrictions – The supply of renewable energy is limited to the resources made available to the department by its power supplier, Platte River Power Authority (PRPA), and is therefore subject to all terms and conditions identified in PRPA's tariff for Renewable Energy Service.

Service Agreement
The renewable energy premium is an optional charge and requires the customer to sign a service agreement with Loveland Water and Power.

Service Agreement Period
The renewable energy premium for all eligible rate schedules shall be available for a minimum initial period of 12 consecutive months and then continuing month to month thereafter until terminated. After the minimum period, the obligation to purchase or provide renewable energy may be terminated upon 30 days notice by either party. Termination of the principal service shall also terminate the agreement unless the customer chooses to advance the agreement to the new service address.

Service Agreement Amount
Customer may request renewable energy in 100 kWh increments. The billable monthly renewable energy premium will be the number of 100 kWh increments requested by the customer in the service agreement. The actual kilowatt-hours used by the customer in any given month may be more or less than the average.

Self-Generation Rate

Availability
The Self-Generation Rate is available as an option to all electric service customers who own, operate and maintain their own generation equipment.

Monthly Rate – System Size 1-50 kW

	Jan. – June, Oct. – Dec.	**July – Sept.**
Residential		
Base charge	$~~10.77~~12.65	$~~10.77~~12.65
Energy charge per kWh	$~~0.06180~~0.06320	$~~0.07380~~0.07540
Buyback charge per kWh	$~~0.03716~~0.03809	$~~0.04356~~0.04465
Monthly minimum bill	$~~10.77~~12.65	$~~10.77~~12.65
System size range limitation	1-50 kW	1-50 kW
PILT per kWh	$~~0.00592~~0.00624	$~~0.00649~~0.00677
Small General		
Base charge	$~~17.22~~20.25	$~~17.22~~20.25
Energy charge per kWh	$~~0.06790~~0.07200	$~~0.07350~~0.07890
Buyback charge per kWh	$~~0.03716~~0.03809	$~~0.04356~~0.04465
Monthly minimum bill	$~~17.22~~20.25	$~~17.22~~20.25
System size range limitation	1-50 kW	1-50 kW
PILT per kWh	$~~0.00584~~0.00627	$~~0.00613~~0.00664
Plant Investment Fee per kWh	$~~0.00514~~0.00539	$~~0.00514~~0.00539
Large General		
Base charge	$~~77.98~~91.00	$~~77.98~~91.00
Energy charge per kWh	$~~0.03501~~0.03853	$~~0.03349~~0.03700
Demand per kW	$~~9.85~~9.40	$~~12.65~~13.50
Buyback charge per kWh	$~~0.03716~~0.03809	$~~0.04356~~0.04465
Monthly minimum bill	$~~77.98~~91.00	$~~77.98~~91.00
System size range limitation	1-50 kW	1-50 kW
PILT per kWh	$~~0.00473~~0.00492	$~~0.00511~~0.00555
Plant Investment Fee per kWh	$~~0.00514~~0.00539	$~~0.00514~~0.00539

Self-Generation Rate Cont'd

Conditions

The city will net meter all energy consumed by the customer and produced by the customer's generation system. Net metering shall be, for billing purposes, the net consumption as measured at the service meter on a monthly basis. Consumption will be measured monthly and in the event net metering is negative in a given month, such that the customer's generation system production is greater than the customer's consumption, there will not be a monthly cash credit for such production. All such excess energy, expressed in kilowatt-hours, shall be carried forward from month to month and credited against the customer's energy consumption, expressed in kilowatt-hours, in subsequent months. In the event that a negative net consumption balance remains after twelve consecutive months following the effective date of customer's commencing on the Self Generation Rate, or any annual anniversary thereafter, the City will pay the customer for such negative balances at the Self Generation Buyback Charge Rate.

Monthly Rate – System Size 51 – 400 kW

Large General Service	**Jan. – Jun.** **Oct. – Dec.**	**July – Sept.**
Base Energy	$~~77.98~~91.00	$~~77.98~~91.00
Energy Charge per kWh	$~~0.03501~~0.03853	$~~0.03349~~0.03700
PILT per kWh	$~~0.00473~~0.00492	$~~0.00511~~0.00555
Plant Investment Fee per kWh	$~~0.00514~~0.00539	$~~0.00514~~0.00539
Demand per kW	$~~9.85~~9.40	$~~12.65~~13.50
Buyback charge per kWh	$~~0.04726~~0.04844	$~~0.06215~~0.06371
Monthly Minimum Bill	$~~77.98~~91.00	$~~77.98~~91.00
System Size Range Limitation	51-400 kW	51-400 kW

The Self-Generating customer must be in compliance with the technical specifications and requirements contained in the Standard for Interconnecting Distributed Resources with the City of Loveland Electric Power System as found in the City's Municipal Code, Section 13.12.240 and must enter into a contract with the City.

Residential Service
Schedule R

Availability
Residential Service is available for single-family dwelling units and individually metered multi-family dwelling units at any location within the area served by Loveland Water and Power. Single-family dwelling units and individually metered multi-family dwelling units shall mean those buildings or units used solely as residences and not used in part for any other purpose. This rate is applicable to existing and new residential customers. Service will be delivered through a single meter per dwelling unit, at one point of delivery.

Monthly Rate
The rate for Residential Service shall consist of the sum of the base charge, energy charge, and PILT in accordance with the following table:

Monthly Rate
The rate for Residential Service shall consist of the sum of the base charge, energy charge, and PILT in accordance with the following table:

	Jan. – June, Oct. – Dec.	**July – Sept.**
Base charge	$~~10.77~~12.65	$~~10.77~~12.65
Energy charge per kWh	$~~0.06180~~0.06320	$~~0.07380~~0.07540
PILT charge per kWh	$~~0.00592~~0.00624	$~~0.00649~~0.00677
Monthly minimum bill	$~~10.77~~12.65	$~~10.77~~12.65

Residential Demand Service
Schedule RD

No new customers will be added to Schedule RD after December 31, 2014

Availability
Residential Demand Service is available for single-family dwelling units and individually metered multi-family dwelling units at any location within the area served by Loveland Water and Power. Single-family dwelling units and individually metered multi-family units shall mean those buildings or dwelling units used solely as residences and not used in part for any other purpose. Existing accounts may elect service under this schedule by making application to Loveland Water and Power. Service will be delivered through a single meter per dwelling unit, at one point of delivery.

Monthly Rate
The rate for Residential Demand Service shall consist of the sum of the base charge, energy charge, demand charge and PILT in accordance with the following table:

	Jan. – June, Oct. – Dec.	**July – Sept.**
Base charge	$~~19.05~~20.10	$~~19.05~~20.10
Energy charge per kWh	$~~0.031500~~0.03600	$~~0.031500~~0.03500
PILT charge per kWh	$~~0.00438~~0.00464	$~~0.00504~~0.00537
Demand charge per kW	$~~7.30~~6.90	$~~8.80~~9.00
Monthly minimum bill	$~~19.05~~20.10	$~~19.05~~20.10

Billing Demand
The demand shall be the highest rate of use in kilowatts during any 15 minute interval of the billing period.

Power Factor Charge
Power factor charge of one hundred percent of the power factor charge incurred by the City on account of and attributable to service to the customer may be billed to the customer.

Small General Service
Schedule SG

Availability
Small General Service is required for all non-residential customers with a monthly average demand over a consecutive 12-month period of less than or equal to 50 kW. This also includes temporary power for non-permanent non-residential customers (for example: firework stands and holiday lights).

Monthly Rate
The rate for Small General Service shall consist of the sum of the base charge, energy charge and PILT in accordance with the following table:

	Jan. – June, Oct. – Dec.	**July – Sept.**
Base charge	$~~17.22~~20.25	$~~17.22~~20.25
Energy charge per kWh	$~~0.067900~~0.07200	$~~0.073500~~0.07890
PILT charge per kWh	$~~0.00584~~0.00627	$~~0.00613~~0.00664
Plant Investment Fee per kWh	$~~0.00514~~0.00539	$~~0.00514~~0.00539
Monthly minimum bill	$~~17.22~~20.25	$~~17.22~~20.25

Conditions
A. Whenever metered demand exceeds a monthly average 50 kW in a consecutive 12-month period, Loveland Water and Power will notify the customer and further service provided to such customer shall be furnished at the Large General Service Rate. The department may install such meters as it deems necessary in order to determine the metered demand.
B. For single-phase, three-wire service, the customer's equipment shall be connected so that the current carried by the neutral conductor shall be not greater than 15 percent of the maximum current in either of the two conductors. For three-phase wye or delta service, the customer's equipment shall be connected so that the current carried by any one-phase conductor shall be no greater than 115 percent of the current in either of the two-phase conductors.

Large General Service
Schedule LG

Availability
Large General Service is required for all non-residential customers with a monthly average demand over a consecutive 12-month period exceeding 50 kW.

Continuation for Certain Customers
Customers on the Large General Service rate on January 31, 1999, with a monthly average demand over a consecutive 12-month period of 50 kW will be grandfathered into the LG rate.

Monthly Rate
The rate for Large General Service shall consist of the sum of the base charge, energy charge, demand charge and PILT in according with the following table:

	Jan. – June, Oct. – Dec.	**July – Sept.**
Base charge	$~~77.98~~91.00	$~~77.98~~91.00
Energy charge per kWh	$~~0.03501~~0.03853	$~~0.03349~~0.03700
PILT charge per kWh	$~~0.00473~~0.00492	$~~0.00511~~0.00555
Demand charge per kW	$~~9.85~~9.40	$~~12.65~~13.50
Plant Investment Fee per kWh	$~~0.00514~~0.00539	$~~0.00514~~0.00539
Monthly minimum bill	$~~77.98~~91.00	$~~77.98~~91.00

Billing Demand
The demand shall be the highest rate of use in kilowatts during any 15-minute interval of the billing period.

Power Factor Charge
Power factor charge of one hundred percent of the power factor charge incurred by the City on account of and attributable to service to the customer may be billed to the customer.

Primary Service with Transformer
Schedule PT

Availability
Primary Service is available to all non-residential customers with a monthly average demand over a consecutive 12-month period exceeding 50 kW where service is delivered and metered at the available primary voltage and all serving facilities on the customer's side of the metering point are owned, operated and maintained by the customer.

Monthly Rate
The rate for Primary Service where the customer owns the transformers shall consist of the sum of the base charge, energy charge, demand charge and PILT in accordance with the following table:

	Jan. – June, Oct. – Dec.	**July – Sept.**
Base charge	$~~90.17~~99.50	$~~90.17~~99.50
Energy charge per kWh	$~~0.03432~~0.03755	$~~0.03283~~0.03650
PILT charge per kWh	$~~0.00400~~0.00422	$~~0.00424~~0.00467
Demand charge per kW	$~~9.20~~9.00	$~~12.00~~13.00
Plant Investment Fee per kWh	$~~0.00499~~0.00523	$~~0.00499~~0.00523
Monthly minimum bill	$~~90.17~~99.50	$~~90.17~~99.50

Billing Demand
The demand shall be the highest rate of use in kilowatts during any 15-minute interval of the billing period.

Power Factor Charge
A power factor charge of one hundred percent of the power factor charge incurred by the City on account of and attributable to service to the customer may be billed to the customer.

Conditions
Transformer ownership and maintenance is the responsibility of the customer receiving service under this rate schedule. The customer requesting this rate schedule is solely responsible for all costs associated with the installation and maintenance of the primary metering equipment and facilities. See the Water and Power Department's *Contractor Construction Standards* for equipment specifications.

Transmission Voltage Service
Schedule TS

Eligibility Requirements
Transmission Voltage Service is available to any customer: (i) whose load is of sufficient magnitude or of an unusual nature such that it cannot be served from the distribution system; and (ii) whose premises are adjacent to transmission lines that are, or by contract can become, lines that supply wholesale power to the city's system; and (iii) who meets the criteria for large user service as set forth in Platte River Power Authority's Tariff 9, or applicable successor tariff.

Character of Service
The power furnished under Schedule TS shall be three phase alternating current and approximately 60 hertz, and delivered at approximately 115kV, or at other voltages subject to conditions as agreed upon, metered at each delivery point.

Charges for Service
The charges for service under Schedule TS shall be determined based on the unique load characteristics and service requirements of the customer. The rate for service delivered under Schedule TS shall at a minimum be sufficient to recover the city's cost of service, including, without limitation, wholesale rates and the city's projected operating and maintenance costs. In addition, the customer shall be responsible for all wholesale charges and fees incurred by the city in providing service under Schedule TS to the customer, including, without limitation, power factor charges.

Conditions of Service
In order to receive service under Schedule TS, the customer must meet the eligibility requirements set forth above and enter into an electric service agreement with the city. All such agreements must meet the requirements of this Schedule TS, protect the integrity of the City's electric system, protect against interference with other city electric customers, and shall address, at a minimum, the following material terms:

- term of the agreement, including initial date of service;
- charges for service, including rate adjustments;
- metering, including configuration, ownership, and maintenance;
- infrastructure, including ownership and maintenance;
- load factor, including any penalties for failure to comply;
- nature and frequency of interruptions (if service is provided on an interruptible basis), including any penalties for failure to comply;
- any other terms and conditions required to be addressed pursuant to Platte River Power Authority's Tariff 9, or applicable successor tariff.

In addition, the agreement must include a waiver of all liability for the city and Platte River Power Authority for actual and consequential damages resulting from interruptions in accordance with the agreement.

Transmission Voltage Service Cont'd

The city manager shall be authorized to negotiate all such agreements, in consultation with Platte River Power Authority, and to execute such agreements on behalf of the city.

Coincident Peak Demand Service

Availability

1) Coincident Peak Demand Service is required for non-residential customers where the monthly average distribution facilities demand exceeds 1,400 kW over 12 consecutive months. For a customer with two or more meters located on a campus, the average monthly distribution facilities demand will be determined by adding the distribution facilities demand for each meter on the campus.
2) The Coincident Peak Demand rate classification will be applicable to all new customers without an annual billing history based on the following:

    a. The new customer must present sufficient information to the City indicating that the operating schedule and electrical equipment are such that the monthly distribution facilities demand would qualify it for the rate.
    b. The City reserves the right to analyze and verify all information provided. If the City is satisfied that the monthly distribution facilities demand of the new customer will exceed 1,400 kW, such customer will be placed on the Coincident Peak Demand rate.
    c. If the monthly distribution facilities demand during the first two months indicate that the customer does not qualify for the Coincident Peak Demand rate, the City will immediately transfer such new customer to the appropriate rate classification.

3) Once qualified, each such customer shall remain on the Coincident Peak Demand rate for a minimum of twelve consecutive months. After twelve months, the City will use the twelve-month running average distribution facilities demand to determine applicability of the Coincident Peak Demand rate.

Monthly Rate

Rates shall be developed for each individual customer subject to the Coincident Peak Demand rate classification. The rates shall be based on the cost of service to each individual customer and will apply only to such customer. Rates will be updated annually to reflect the cost of service to the individual customer, and shall include the following:

1. Base Charge: Based on customer cost of service and energy usage profile.
2. Energy Charge: All kWh consumed, per kWh, based on customer cost of service and energy usage profile.
3. Coincident Demand Charge: All coincident demand, per kW, based on customer cost of service and energy usage profile.
4. Distribution Facilities Demand Charge: All distribution facilities demand, per kW, based on customer cost of service and energy usage profile
5. Plant Invest Fee: $~~0.00499~~0.00523 per kWh for customers whose service is delivered at the available primary voltage and all serving facilities on the customer's side of the metering point are owned, operated and maintained by the customer. $~~0.00514~~ 0.00539 per kWh for all other customers.

Coincident Peak Demand Service Cont'd

The Water and Power Department Director shall be authorized to develop the rate for each individual customer subject to the Coincident Peak Demand rate classification in accordance with this rate definition.

Power Factor Charge
Power factor charge of one hundred percent of the power factor charge incurred by the City on account of and attributable to service to the customer may be billed to the customer.

For the purposes of the Coincident Peak Demand Rate, the following definitions shall apply:

1. Campus:
   One parcel, or two or more contiguous parcels, where each parcel is owned or leased by a single customer.

2. Coincident Demand:
   The 60 minute integrated demand recorded during the Platte River Power Authority's system peak hour and day in the billing period.

3. Distribution Facilities Demand:
   The highest rate of use in kilowatts during any 15-minute interval of the billing period.

Area Lighting
Schedule AL

Availability
Area lights will be furnished to customers who request this service for the purpose of lighting private property or alleys or other areas where City street lighting would normally not be installed. Decisions for location of the lights shall be in the discretion of the City. Applications for area lights should be made at the City of Loveland Water and Power Department.

Monthly Rate (Jan.-Dec.)
The rate per watt for area lights shall be
..... $~~0.04935~~0.05320
The PILT charge per watt for area lights shall be
..... $~~0.00369~~0.00398

Conditions
All area lights shall be high pressure sodium vapor units.

Flat Rate Service
Schedule FE

Availability
Small devices attached to the City's electric distribution system for the purpose of amplifying cable TV and telephone signals or operating automatic sprinkler controls in remote locations after June 1, 1992, will not require metering and will be billed on a flat monthly rate. Accounts existing prior to June 1, 1992, shall continue to be metered and billed at their present rate unless the customer requests conversion to the flat rate set forth in this schedule.

Monthly Rates (Jan.-Dec.)

Signal amplifiers	$~~29.08~~31.35
Signal amplifiers PILT charge	$~~2.18~~2.35
Automatic sprinkler controls	$~~4.32~~4.66
Automatic sprinkler controls PILT charge	$~~0.32~~0.34
Bus shelters	$~~17.88~~19.27
Bus shelters PILT charge	$~~1.34~~1.44

Conditions
A. Signal amplifiers can be no greater than 5 amps per device.
B. Automatic sprinkler controls can be no greater than 1.0 amp per device.
C. The department may randomly install meters as it deems necessary in order to monitor the actual consumption.
D. A customer with multiple device locations existing prior to June 1, 1992, requesting a conversion of said devices to the Flat Rate Schedule, must convert all devices existing prior to June 1, 1992, to the Flat Rate Schedule.

Public Electric Vehicle Charging Station Service User Fees

Availability
Designated electric vehicle charging stations will be made available by the City for public use within the corporate limits of the City at the user fees set forth below. The fees set forth below shall apply to all public electric vehicle charging stations owned and operated by the City.

User Fees
Public electric vehicle charging station service user fees (including payment in lieu of taxes and franchise) will be provided and billed on a session basis as follows:

Level 2 – 240 Volt Charging: $1.00 per hour of charging. The minimum charge is $1.00.

Payment of Fees
Payment for electric vehicle charging station services will be collected directly from the customer at the point of service (the charging station) through credit card or other electronic payment processing service.

II. Fees - Electric

Applications for Electric Service

Every person desiring a supply of electric current from the City, or an upgrade or other change in existing service, shall make application therefore to the City upon forms furnished for that purpose.

Plant Investment Fee

Plant Investment Fees provide for the additional electric transmission, substation and distribution facilities made necessary by the extension of electric service to new connections. The Plant Investment Fee provided herein shall be, in addition to, all of the rates and charges made in connection with the furnishing by the City of electric service, and shall be payable as provided for in this section.

A. Schedule R – Residential Service and Schedule RD – Residential Demand Service. At the time application is made for any dwelling unit to be built within the corporate boundaries of the City, or at the time of application for electric service for any dwelling unit to be built outside the corporate boundaries of the City, there shall be paid to the City a Plant Investment Fee in the amount of ~~$1,630.00~~1,710.00 for each electric meter to be installed in connection with the dwelling unit with a service size of greater than 150 amps and ~~$1,270.00~~1,330.00 for each electric meter to be installed in connection with the dwelling unit with a service size of 150 amps or less. (Each dwelling unit within a structure containing more than one dwelling unit shall be separately metered). No energization of a permanent connection to any dwelling unit served by the City shall occur unless and until the Plant Investment Fee is paid.

For the purpose of this section, "dwelling unit" means one or more rooms and a kitchen area designed for or occupied as a unit for living and cooking purposes, which is located within a single family, multiple family or mobile home, but excluding congregate care facilities, as those terms are defined in Municipal Code Chapter 18.04. A congregate care facility may receive service under Schedules R, RD, SG, LG, PT, or Coincident Peak Demand Service

Upon application, the Water and Power Department may allow a single meter to serve a multiple family dwelling if such multiple family dwelling is a federally assisted and federally supervised project and the project sponsor is required by the federal agency having jurisdiction thereof to include the provision of electric service within the rent structure for the project. Such project may receive service under Schedules R, RD, SG, LG, PT, or Coincident Peak Demand Service. If any such projects should cease to be federally supervised, then the project shall revert to the requirement of individual metering, the Plant Investment Fee for residential service shall be paid and a credit shall be applied against such Plant Investment Fee in the amount of the Plant Investment Fees paid while receiving service under another class.

Plant Investment Fee Cont'd

B. Schedule SG – Small General Service. The Plant Investment Fee for accounts receiving small general service shall be collected in each billing period. The amount of the Plant Investment Fee to be billed in each period shall be equal to $~~0.00514~~0.00539 per kWh used by the account during the billing period.

In establishing the Plant Investment Fees in 1979, customers served prior to May 1, 1979, are exempt from the Plant Investment Fee at the existing location only. Customers who have paid the five-year Plant Investment Fee for a particular location are exempt from the fee at the location covered.

C. Schedule LG – Large General Service. The amount of Plant Investment Fee to be billed in each billing period shall be equal to $~~0.00514~~0.00539 per kWh used by the account during the billing period.

D. Schedule PT– Primary Service with Transformer. The amount of Plant Investment Fee to be billed in each billing period shall be equal to $~~0.00499~~0.00523 per kWh used by the account during the billing period.

E. Coincident Peak Demand Service. The amount of Plant Investment Fee to be billed in each billing period shall be equal to $~~0.00499~~0.00523 per kWh used by the account during the billing period for customers whose primary voltage and all serving facilities on the customer's side of the metering point are owned operated and maintained by the customer. A Plant Investment Fee of $~~0.00514~~0.00539 per kWh to be billed in each billing period for all other customers.

F. Discontinuance of Service. In addition to all of the remedies available to the City, electric service may be discontinued for failure to pay the Plant Investment Fee provided for in this section, and such discontinuance shall be in accordance with the notice procedures set forth in Municipal Code Section 13.02.070.

Service Turn-On Fee at the Meter

During regularly scheduled work hours, there is imposed a fee in the amount of $35.00 for each service turn-on where power is energized at the meter.

After regularly scheduled work hours, there is imposed a fee in the amount of $~~65.00~~100.00 for each service turn on where the power is energized at the meter.

After hours fees apply to all requests received ~~after~~ during non-business hours ~~4 p.m.~~ Monday through Friday, anytime Saturday or Sunday, and all holidays observed by the City of Loveland. Regular business hours are Monday through Friday 7 a.m. to 4 p.m.

Disconnect and Reconnect Services

Water and Power will perform a typical service disconnect/reconnect where power is energized or de-energized on the line side of the meter, on a flat fee basis.

There is imposed a fee in the amount of $~~155.00~~200.00 for each typical service disconnect/reconnect and $~~255.00~~320.00 for each typical service disconnect/reconnect with engineering.

A typical service disconnect/reconnect is defined as one where there is no increase in wire size or length and the disconnect/reconnect service is performed during regular business hours between 7 a.m. and 4 p.m. Monday through Friday.

All other service disconnect/reconnects will be billed at Water and Power's actual cost.

Permanent Disconnect and Removal of Service

Where a request for permanent disconnection and removal of single-phase service has been requested, there is imposed a flat fee of $~~155.00~~200.00.

Where a request for permanent termination of three-phase service has been requested, charges will be billed at Water and Power's actual cost.

Charges When Access Denied

There is imposed a charge as set forth in this section, that shall be due and payable when billed, to cover the additional costs and expenses incurred by the City whenever clear access to the meter location is denied. Clear access shall be deemed to be denied whenever, because of locked gates, animals confined in the same space as the meter location, or for any other reason, and after making a reasonable attempt to locate a person upon the premises to gain access, an authorized representative of the City is unable to read the meter, change the meter, or perform such other function as such representative is lawfully authorized to perform. The amount of such charge shall be as follows (regular business hours defined as 7 a.m. to 4 p.m. Monday through Friday, off-duty hours defined as hours outside of this regular business hours and all holidays observed by The City of Loveland):

A. When clear access is denied for two successive meter readings, and an appointment is made with the consumer or a special trip is made for reading the meter, a charge of $~~15.00~~20.00 is imposed for such appointment or special trip occurring during ~~regular business hours~~regular business hours, and $~~25.00~~40.00 for such appointment occurring during off-duty hours and weekends.
B. When clear access is denied and a special trip is made to change a meter during regular business hours, on the department's regular maintenance program, a $~~55.00~~75.00 charge is imposed, and $100.00 for such appointment occurring during off-duty hours.
C. When ~~clear access is denied for the purpose of disconnecting service, and~~ service is disconnected at the junction box or overhead pole, a charge of $~~155.00~~200.00 is imposed. When clear access is denied for the purpose of disconnecting service, actuals will be charged.
D. When clear access is denied for the purpose of disconnecting service at the junction box or overhead pole, the actual costs will be billed.

Residential Service Installations and Upgrades for Single Family and Duplex Dwellings

A. A typical new residential service installation will be performed by the Water and Power Department on a flat fee basis. A typical new underground service is defined as having a trench length of 100 feet or less; trenching to be performed in normal soil conditions.

1. For a service using 1/0 triplex CIC with a panel size of 150 amps or less, the fee is $~~590.00~~600.00 and the Plant Investment Fee, as described in the Resolution Schedule of Rates, Charges and Fees as adopted by City Council, shall also be collected.
2. For a service using 4/0 triplex CIC with a panel size of 200 amps, the fee is $~~800.00~~810.00 and the Plant Investment Fee, as described in the Resolution Schedule of Rates, Charges and Fees as adopted by City Council, shall also be collected.

A typical new overhead service is defined as a service length of 80 feet of less, does not require setting a pole or transformer, is #2 triplex with a panel size of 150 amps or less, or 1/0 triplex with panel size of 200 amps. The fee for such service is $~~310.00~~295.00.

A service not meeting the above criteria shall be billed at the Water and Power Department's actual cost of installation.

Within the city limits of the City of Loveland, the fees shall be collected by the department issuing the building permit for the residence. If outside the city limits, the fee will be collected by the Water and Power Department before work can proceed.

B. Residential service upgrades resulting in services larger than 150 amps and no larger than 200 amps shall require a deposit of $300.00 for overhead, and $800.00 for underground. This deposit will be applied to the actual costs billed by the Water and Power Department upon completion of work performed.

Residential Service Installations and Upgrades for Multiplex Service Installations

A. For purposes of this Resolution, a "multiplex" is defined as a structure containing not less than three and not more than six dwellings.

B. A "typical" multiplex electric service installation will be provided by and installed by the contractor per National Electric Code. It will be energized by the Water and Power Department on a flat fee basis.

A 3-6 unit multiplex service installation will be provided by the contractor in which an electrical secondary source is already in existence. The fee for installation of an electric service in a 3-6 unit multiplex project is ~~$700.00~~735.00 for the project and the Plant Investment Fee, as described in the current Schedule of Rates, Charges and Fees as adopted by the City Council, shall also be collected for each unit.

A 7 unit or more multiplex service termination and meter set service installation requires a deposit of ~~$855.00~~810.00 to be made at the Water and Power Department. The contractor is to provide and install all materials. This deposit will be applied to the actual costs billed by the Water and Power Department upon completion of work performed.

Multiplexes requiring an underground service in an overhead service area will have an underground service provided by and installed by the contractor per National Electric Code. They will be billed the actual costs incurred by the Water and Power Department.

If there is no existing source for electric service and an extension of secondary power is necessary, the customer shall pay the actual costs incurred by the Water and Power Department to extend the secondary power source.

Requests for overhead multiplex service installations will be evaluated for feasibility by the Water and Power Department. If overhead service is deemed appropriate, it will be installed and billed at the actual cost incurred by the Water and Power Department.

All services to multiplexes will be installed as described in the National Electric Code pertaining to commercial services. NOTE: Duplexes will be billed as outlined in the "Residential Service Installations and Upgrades for Single and Duplex Dwellings" section in the current Schedule of Rates and Charges – Electric.

~~C. Buildings with greater than six dwelling units:~~
~~Any complex containing more than six dwelling units shall pay the actual costs incurred by the Water and Power Department to have a contractor-installed service energized.~~

Field Engineering Deposits

A customer requesting a new or modified electric service, relocation of facilities, or other work requiring engineering and construction, must make a deposit with the department. If the project is cancelled, the deposit will be applied to the actual charges incurred, any resulting credit or debit will be refunded or billed to the customer. Upon completion of engineering, the customer will deposit with the department the total deposit required.

ENGINEERING DEPOSITS

A. Residential and duplex single phase installations, 1-2 lots..... $~~800.00~~830.00

B. Single commercial buildings, transformer upgrades, raising, lowering, or removing existing power ..... $~~1,200.00~~1,350.00

C. Residential subdivision of 3-25 lots, commercial subdivision of 2-10 lots, raising, lowering, or removing existing power ..... $~~1,600.00~~1,755.00

D. Residential subdivision of more than 25 lots, commercial subdivision of more than 10 lots, malls, shopping centers, hospitals ..... $~~3,000.00~~3,310.00

Other Deposits

The following jobs are standard in nature, and specific deposits have been established for them. In all cases actual costs will be tracked and any resulting credit or debit will be refunded or billed to the customer.

A. Install and terminate secondary riser up to 100 feet (no transformer required)
   Residential to 200 amps
   $~~1,155.00~~1,060.00
   Commercial (cable supplied and installed by customer) ..... $~~805.00~~680.00
B. Open transformer to pull in secondary and terminate cable up to 130' ..... $~~565.00~~535.00
C. Single phase padmount transformer upgrade (no other customers)
   Upgrade one transformer size
   ..... $~~1,965.00~~1,925.00
   Upgrade two transformer sizes
   ..... $~~2,510.00~~2,470.00
   Upgrade three transformer sizes
   ..... $~~3,055.00~~3,015.00
D. Single phase padmount transformer upgrade (other customers)
   Upgrade one transformer size
   ..... $~~2,525.00~~2,455.00
   Upgrade two transformer
   sizes……$~~3,070.00~~3,000.00
   Upgrade three transformer sizes
   ..... $~~3,335.00~~3,280.00
E. Single phase overhead transformer upgrade (no other customers)
   Upgrade one transformer size
   $~~1,665.00~~1,625.00
   Upgrade two transformer sizes
   $~~2,175.00~~2,135.00
F. Single phase overhead transformer upgrade (other customers)
   Upgrade one transformer size
   $~~2,225.00~~2,155.00
   Upgrade two transformer sizes
   $~~2,735.00~~2,665.00

Note: Work tickets (not work orders) will be opened for these jobs and the actual costs will be billed. The cutoff for work tickets is $1,000.00 except for transformer upgrades.

Temporary Extensions

The following requirements apply to all temporary extensions/connections necessary to serve customers such as transient shows, carnivals, fairs, circuses, concessions, residential construction work, or others of a temporary nature, excluding commercial development construction as defined in the *Contractor Construction Standards*.

A. The customer shall pay a flat rate of $~~170.00~~200.00 for the cost of installation and removal of the temporary extension as defined in the *Contractor Construction Standards*, under "Temporary Construction Service". Customers with extensions not meeting these standards will be billed for the actual costs.
B. The customer shall pay for electric consumption monthly under the applicable rate.
C. No temporary service shall continue beyond the time of building occupancy, or eighteen months from connection of such temporary service, whichever occurs sooner, without the consent of the City.
D. The City may refuse to connect additional customers to temporary extensions until the temporary extensions have become permanent.

Area Lighting

A 100-watt high pressure sodium vapor fixture will be furnished and installed by the City at a fixed one time charge. Any fixture other than a 100-watt fixture, poles, secondary conductor and other apparatus, if required, will be provided at an additional charge based on actual costs incurred by the Water and Power Department. Decisions for location of the lights shall be at the discretion of the City. Applications for area lights should be made at the City of Loveland Water and Power Department. The fee for the installation of a 100-watt high pressure sodium vapor fixture is $~~325.00~~320.00.

Energizing of Electric Service to Small Devices Qualifying for Flat Rate Service

There will be a flat fee for the energizing of electric service to small devices attached to the City's electric distribution system for the purpose of amplifying cable TV and telephone signals or operating automatic sprinkler controls in remote locations. A fee of $~~285.00~~270.00 shall be charged to the customer for the actual installation of the service. No outlets will be permitted, nor shall there be lighting of any kind connected to this type of service. If there is no existing source and an extension of secondary power is necessary, the customer will pay for actual costs to energize the device

Pole Attachment Fee

Each attachment by a non-City utility to a City of Loveland power pole will be charged $~~21.64~~11.93 per year.

Public Electric Vehicle Charging Station Service User Fees

Level 2 – 240 Volt Charging: $1.00 per hour of charging.

III. Fees - Miscellaneous

After Hours

After hours fees apply to all requests received after 4:00 p.m. Monday through Friday, anytime Saturday or Sunday, and all holidays observed by the City of Loveland.

Fire Hydrant and Fire Protection Tap

A charge of $~~2.50~~2.70 per residence and $~~6.20~~6.60 per business per month shall be paid by water users outside the city who are located within one thousand feet of a fire hydrant, measured along roads or streets, and $~~6.20~~6.60 per month per tap for each fire protection tap serving premises outside the city. If fire protection tap service is the only city utility service received by the premises, an administrative fee of $~~1.80~~1.90 per month shall also be paid.

Hydrant Meter Guidelines

General: Fire hydrants are installed for the main purpose of fire protection. Whenever a hydrant meter is placed on a hydrant, that hydrant is, for all practical purposes, out of service and the chances of causing damage to that hydrant are increased. For these reasons and the potential for problems involved with providing hydrant meters on a rental basis, it has become necessary to establish more clearly defined guidelines for the use of hydrant meters.

Intent: The use of fire hydrant meters is intended for only those situations when a large volume of water is needed in a short period of time. These meters shall not be used as a temporary substitute for a permanent water service connection or a permanent irrigation tap. Examples of acceptable and unacceptable uses are as follows:

Acceptable:

- Providing water for increasing moisture during earthmoving.
- Filling swimming pools.
- Filling tanks on water truck (No chemicals allowed in tank).

Unacceptable

- Masonry work
- Car washes
- Irrigation
- Water for concrete saws
- Washing streets or parking lots

Hydrant Meter Guidelines Cont'd

Guidelines & Procedures: The following guidelines shall be used for regulating the use of fire hydrant meters:

1. Requests for hydrant meters must be received a minimum of 48 hours prior to the time needed. All requests should be made by contacting the Water and Power Department at 970-962-3701. The applicant must sign the Hydrant Meter Request Form at the Water and Power Department, 200 N. Wilson Avenue, and post a deposit of $1,000.00 (money order or cashier's check) before the meter will be set. The deposit shall be held until all costs associated with the hydrant rental are paid in full and may be used to offset any such costs not paid within 30 days of issuance of the final invoice.
2. Each request will be reviewed to determine if the proposed use meets the intent of these guidelines. The use of the water from a hydrant meter for other than the stated purposes or misrepresentation of that use will result in the loss of the convenience of obtaining water in this manner.
3. The City will determine on a case-by-case basis whether or not a particular hydrant is acceptable for the installation of a meter. Not all hydrants are available for use with a meter. If the requested hydrant is not available, alternate hydrants will be suggested.
4. Water Utility personnel will install the meter, secure it to the hydrant, and operate the hydrant. Customer shall control flow of water with valve provided on meter assembly. Customer is responsible for securing this valve to prevent the unauthorized use of water by others. Removal of the handle or hand wheel from the control valve is not an acceptable method of securing the valve. ONLY trained City employees will be authorized to operate fire hydrants.
5. During the winter months, hydrant meters will be issued only on a day-to-day basis when outside temperatures are above freezing and are expected to remain above freezing for most of the day. Meters will be installed as soon after 8:00 a.m. as practical, and will be picked up at approximately 3:00 p.m. or earlier if outside temperatures drop below freezing, or if requested.
6. Meters will be issued with a male 2½" National Standard thread connection. No hoses or adapters will be provided.
7. Customer is responsible for all rental fees and other charges. A copy of the current fees is attached. These fees will include charges for all water use.
8. Customer is responsible for any and all damage to the meter and/or fire hydrant while meter is installed. If damage occurs, an invoice will be issued to cover all repair or replacement costs, and customer shall promptly pay the invoiced amount.
9. Number of hydrant meters is limited; therefore the meters are available on a first-come/first-served basis. A separate request form must be submitted for each location and/or time period requested.
10. In accordance with the City Code, it is unlawful to waste water. Every effort should be made to conserve this valuable resource. Wasteful uses will not be allowed.
11. Failure to comply with these guidelines, or illegally obtaining water from, or in any way tampering with a fire hydrant, is in violation of the City Code, and upon conviction is punishable by a fine or imprisonment.

Hydrant Meter Guidelines Cont'd

Alternate Source of Water: For building construction projects, water is also available through permanent water taps at a construction billing rate. This source of water is handled by the Building Division, 500 E. 3rd Street, 962-2504, and typically issued along with a building permit.

Summary of Hydrant Meter Fees and Charges

Installation of meter	$~~25.00~~45.00*
Moving meter	$~~25.00~~45.00*
Removal of meter	$~~25.00~~45.00*
Meter rental	$5.00/day
Water used	$~~1.10~~1.20/300 gallons

*After hour services (normal hours are Monday through Friday, 7:30 a.m. to 4:00 p.m.) will be charged for overtime labor rates in addition to the $~~25.00~~45.00 charge.

New Account or Reactivation Fee and New Account Meter Reading Fee

Connection fees in the following amounts are hereby imposed, to be collected with the first utility bill rendered after utility service has been established or a customer account or utility service is reactivated following voluntary or involuntary termination:

Activation or establishment of a customer account for a service address $11.00
Meter reading charge for service address if read by Utility Billing Division $10.00
Reactivation of a customer account for a service address..... $10.00
Interfering or Tampering with a Meter ..... $~~50.00~~100.00
Please see Section 13.02.130 of the Loveland Municipal Code for more information on additional fines regarding interfering or tampering with utility meters.

Automated Load Profile Metering Program (ALPS)

No new ALPS customers will be accepted after 2009

Commercial and industrial customers will be given the option of utilizing specialized metering equipment that will allow them to monitor their utility consumption on a daily basis through a web-based program. The fees to participate in this program are according to the following schedule:

Monthly Fee Per Meter	
First 9 meters	$67.50
Meters 10 through 19	$54.00
Meters 20 and up	$50.00

Customers that will be enrolling to use this service will need to provide their own telephone line, preferably a line dedicated solely for this purpose. The cost of the telephone line will be borne by the customer. If a customer signs up for the program, and then decides to leave the program in less than one year, the customer will be subject to a $200 exit fee per meter.

City of Loveland

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: 9/17/2014
SUBMITTED BY: Chris Matkins, Water Utilities Manager

TITLE: September 30, 2014 Fluoride Meeting Overview

DESCRIPTION:
This item is to briefly review Staff's proposed format, logistics and preliminary agenda for the special Loveland Utilities Commission meeting on Tuesday, September 30, 2014 regarding citizen opinion with respect to the addition of fluoride to the City's water supply. Staff is requesting the Commission's feedback on the proposed approach to administer this meeting.

SUMMARY:
The Loveland Utilities Commission (LUC) will hold a special meeting to gather community feedback in regards to fluoridating Loveland's water. The meeting will be as follows:

Date:	Tuesday, September 30, 2014
Location:	Police and Courts Building 810 E. 10th Street Loveland, CO 80537
Time:	Starts at 4 pm (Anticipated to last at least 3 hours)

Purpose of September 30 Meeting: The purpose of this meeting is to receive the Loveland community's input regarding the addition of chemical fluoride to drinking water. Fluoridation policy changes will not be made at this meeting.

Meeting Format: A press release was released on September 11, 2014 (see attachment A) which welcomed citizens to attend and participate in this meeting. This press release gives interested citizens the opportunity to arrange for formal presentation of information to the Commission through a regular agenda item. Is illustrated in the preliminary agenda (attachment B), the LUC will have the opportunity to ask questions after each formal presentation. In addition, any attending citizens may make comments of up to 3 minutes at an open microphone without formally reserving a spot on the agenda. Staff will also be collecting email feedback prior to the meeting, and will make that available for the LUC for review. This approach ensures a comprehensive outreach to our customers.

Meeting Layout: Please see the attached PowerPoint slides (see attachment B) on how the room will be laid out during this event. It was designed to maximize the LUC's focus and interaction with each speaker. It also provides an orderly system for managing the open microphone segment of the meeting.

Next Steps: The feedback received from this meeting along with the packet materials will serve to inform the LUC and Staff of the community's wide-ranging input on this topic. The Commission may draw on this information in any future discussions with Staff concerning water fluoridation procedures.

LUC Input: Staff desires a discussion with LUC board members on whether these meeting arrangements are sufficient and are open to suggestion on improvements.

RECOMMENDATION:
Provide feedback to Staff regarding the proposed administration of this public input meeting.

REVIEWED BY DIRECTOR:
AP for SA

ATTACHMENTS:
Attachment A: September 8, 2014 Press Release
Attachment B: Preliminary Agenda
Attachment C: PowerPoint Presentation

Attachment A

Loveland Water and Power
Loveland, Colorado
MEDIA RELEASE

Contact: Allison Prokop, Administrative Technician, (970) 962-3567
Department: Water and Power
Release Date: Thursday, September 11, 2014

FOR IMMEDIATE RELEASE
Special Loveland Utilities Commission Fluoride Meeting

Loveland, Colorado – The Loveland Utilities Commission will hold a special meeting on Tuesday, September 30, 2014 at 4pm at the Loveland Police and Courts Building located at 810 E. 10th Street to gather citizen input regarding the addition of fluoride to the city's water supply. Citizens are welcome to attend.

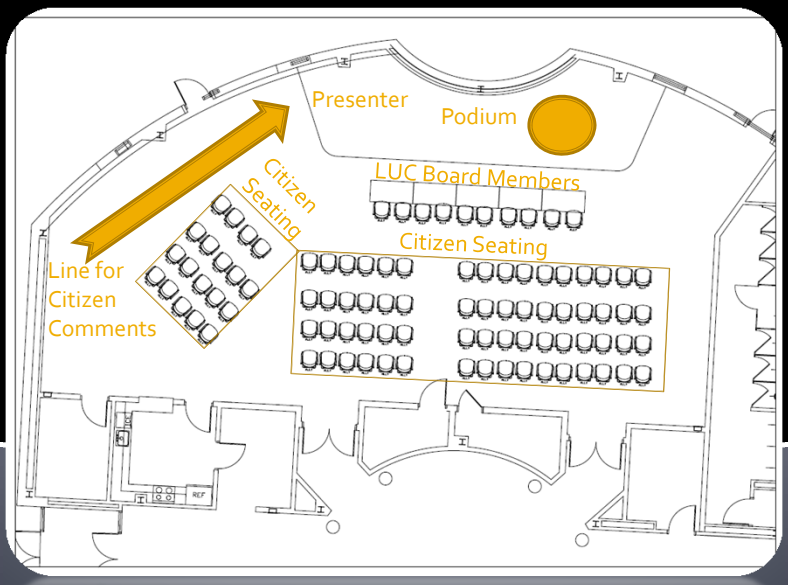
Citizens may address the commission through an open microphone. Input will be limited to 2-3 minutes per citizen. If citizens would like to request more time to speak or would like to include information in the Loveland Utilities Commission packet, they are asked to contact Allison Prokop, Loveland Water and Power Administrative Technician at (970) 962-3567 before September 23, 2014 to reserve a formal place on the agenda.

September 30, 2014
Fluoride Meeting Overview

- *Loveland Utilities Commission*
- *September 17, 2014*
- *Chris Matkins, Water Utilities Manager*

Loveland Water and Power

Overview of Police and Courts Facility



Current Agenda

LOVELAND UTILITIES COMMISSION
Special Fluoride MEETING
September 30, 2014 - 4:00 p.m.
Police and Courts Police Institute
810 E 10th St.

AGENDA

4:00 pm	**CALL TO ORDER**
4:15 pm	**STAFF REPORT** 1. City of Loveland Fluoride History – Chris Matkins
4:45pm	**INFORMATION ITEMS** 2. Fluoridation Presentation – Larry Sarner
5:15 pm	3. Fluoridation Presentation – John Meaders
5:45 pm	**CITIZEN REPORTS** 4. Open-Microphone for Citizen Comments (3 minute limit per citizen) *Please provide your full name and address before making comments.*
7:30 pm	**ADJOURN**

Questions or Suggestions?

City of Loveland

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: 5
MEETING DATE: 9/17/2014
SUBMITTED BY: Steve Adams, Director AP for SA

TITLE: 2013 Flood Update for the Water & Power Department

DESCRIPTION:
Staff will provide an update on the status of flood recovery efforts.

SUMMARY:
Staff will report on the flood related work that has been performed and the flood related issues currently being worked on.

The Reporter Herald recently published an article summarizing flood recovery efforts and highlighting the one year anniversary of the September 2013 flood. To view the full article please visit:

http://www.reporterherald.com/news/colorado-flood/ci_26489590/hickenlooper-marks-flood-anniversary-we-are-committed-100

RECOMMENDATION:
Staff report only. No action required.

REVIEWED BY DIRECTOR:
AP for SA

City of Loveland

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AGENDA ITEM: 6
MEETING DATE: 9/17/2014
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.

- September 9, 2014 Study Session with City Council
- September 17, 2014 Business Appreciation Breakfast

RECOMMENDATION:
Commission/Council report only.

REVIEWED BY DIRECTOR:
AP for SA

City of Loveland

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200 North Wilson • Loveland, Colorado 80537
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AGENDA ITEM: 7
MEETING DATE: 9/17/2014
SUBMITTED BY: Steve Adams, Director AP for SA

TITLE: Director's Report

SUMMARY:

- **25th Annual South Platte Forum** – The 2014 South Platte Forum will be held next month. Please let Allison Prokop know if you are interested in attending. Please see attachment A for the schedule.

  Place: The Plaza Event Center
  1900 Ken Pratt Blvd.
  Longmont, CO 80501
  Dates: October 22-23, 2014

- **CAMU 2014 Rate Comparison:** – Please see attachment B for the results of the Colorado Association of Municipal Utilities (CAMU) July 2014 bill comparison survey – Kim O'Field

- **Wastewater Treatment Plant Expansion Options:** Staff will be preparing presentations for Council's consideration at future work session dates on two topics: Asset Management and WWTP Expansion Options. These items are informational only, to update the Council on each of these topics. These presentations will increase Council's familiarity with these topics in preparation for any future council directions. Tentatively, these topics are anticipated for October 28th.– Chris Matkins

- **Water Treatment Plant Expansion Update:** Moltz Construction began work on September 2nd and is already making great progress. The initial phase of work will be asbestos abatement and demolition of the old filter building and yellow house, and construction of the new sand filter drying bed. Work is scheduled to be complete in June of 2016. – Roger Berg

- **USA Today news articles:** The USA today recently published two news articles regarding the California drought. To view the full article "California's 100 Year Drought" please see the following link;
  http://www.usatoday.com/story/weather/2014/09/02/california-megadrought/14446195/

  To see the follow up article titled "California's Drought Bares National Lessons" please see the following link;
  http://www.usatoday.com/story/opinion/2014/09/03/drought-california-water-climate-change-infrastructure-editorials-debates/15054041/ – Allison Prokop

- **5280 magazine article:** 5280 magazine published the article "The Rising" which documented experiences from different people during the September 2013 floods. Tim

Brady's personal experience is highlighted in this article. Please see follow the link below to view the complete article. – Allison Prokop
http://www.5280.com/therising/

- **Home Supply Spillway Agreement Update:** Staff prepared and presented an item at the City Council September 16, 2014 meeting, recommending a motion approving the following:

    1. An Amendment to the January 15, 2014, Agreement between the City and Home Supply to complete additional flood related repairs on the Home Supply's diversion structure on the Big Thompson River, including addition of a gated spillway to provide mitigation against future flood damage.
    2. A Phase II Agreement with Home Supply for critical O&M work.

  Council's action will be reported at the LUC meeting. – Larry Howard

- **Slow the Flow Update** – As of August 31, 2014 Slow the Flow is done for the year. Despite the wetter and cooler than normal summer we still saw a very high rate of participation with 110 residential requests and 5 HOA requests. This is 157% of what was anticipated for 2014. – Lindsey Bashline

- **Business Innovation Fair Update:** The regional Business Innovation Fair will be held on October 2, 2014 at the First National Bank Building at the Larimer County Fairgrounds. The second annual conference will offer four tracks: Business, Community, Energy and Sustainable Infrastructure. Topics on the agenda include Climate Change Impacts on the Built Environment, Sustainable Breweries, Transportation's Future and Socially Sustainable Business Practices. – Tracey Hewson

- **Corn Roast:** – Staff participated whole-heartedly in the Corn Roast Festival both Friday and Saturday, August 22-23, 2014. Customer Relations hosted a booth on Fourth Street where we shared information about water conservation programs, home energy audits, efficient lighting and electric vehicles. Loveland Water and Power (LWP) also participated in the annual cornhusking contest. We bagged over 84 ears, and managed to come in fourth place overall!– Allison Prokop

- **Windy Gap Firming Project Schedule Update:** The eighth two day negotiating session among the USBR, Northern, and the Subdistrict occurred in Granby August 18 and 19, 2014, for the new Carriage Contract to carry Windy Gap water through the CBT system, including the additional use of the Windy Gap Firming Project at Chimney Hollow. The current 40-year Carriage Agreement expires in 2025, and this new Carriage Agreement, also for 40 years, is intended to go into effect even if the WGFP is not built. Though the process has been long and tedious, progress has been made. It is possible a ninth negotiating session will not be needed, but dates have been saved just in case. The WGFP Participants were scheduled to discuss the proposed terms and conditions at their monthly meeting on September 9, 2014, and the results of that discussion will be reported to the LUC.
  It is likely the construction schedule will be pushed out a year so that first fill could occur in 2020. If the ROD from Reclamation is received by the end of this year, which is possible, the COE 404 and state 401 permits are the next step, which also involves EPA. If those permits are completed by mid-2015, eighteen to twenty four months of engineering design can begin. Construction would follow beginning in 2017, and is expected to occupy three to four years.
  Project Participants at the September 9, 2014 meeting, expressed interest in beginning the consideration of financing options for construction at the appropriate time, and one entity suggested it also be considered for design. There will likely be further discussion on this soon, particularly if there is interest in financing design with bonds.–Larry Howard

- **Water Rights Training Update:** The Water Rights Training sessions will be held as follows:

  Date: Wednesday, October 8, 2014
  Time: 4:00 pm
  Place: Service Center
  200 N. Wilson Ave
  Loveland, CO 80537

  Date: Wednesday, November 12, 2014
  Time: 4:00 pm
  Place: Service Center
  200 N. Wilson Ave
  Loveland, CO 80537

Currently the list of attendees is as follows:

October 8, 2014	**November 12, 2014**
Jennifer Gramling	Jennifer Gramling
Gene Packer	Gene Packer
Dave Schneider	Dave Schneider
Dave Herlihey	Dan Herlihey
Gary Hausman	Gary Hausman
	Larry Roos

Each session will have different topics that will be discussed. If there are any changes or if you would still like to come to the training sessions please contact Allison Prokop. – Allison Prokop

RECOMMENDATION:
Director's report only.
REVIEWED BY DIRECTOR:
AP for SA

Attachment A

South Platte Forum

Water and Wisdom

25th Annual South Platte Forum

Schedule

Wednesday Oct. 22

8:20 Welcome - Reagan Waskom, Colorado Water Institute

8:30 **When it Rains, it Pours** *Flood Impacts on Stream Restoration*

- Moderator: Kevin Houck, Colorado Water Conservation Board (CWCB)
- **Overview of Flood Impacts**– Chris Sturm, CWCB
- **Channel Restoration & Fish Passage: What Works, What Doesn't** - Matt Kondratieff, Colorado Parks and Wildlife
- **A Coalition Approach to River Restoration Master Planning: Case Study on the Big Thompson** – John Giordanengo, Colorado Northern Regional Director, Wildlands Restoration Volunteers

9:40 Break

10:10 **Under the Weather** *Flood Impacts on Property Owners*

- Moderator: Sean Cronin, St. Vrain and Left Hand Water Conservancy District
- **Jamestown: From Flood to Recovery, It Takes a Village** – Colleen Williams, James Creek Watershed Initiative
- **Landowner Permissions and Limitations**– Buddy Nichols/Jeff Wilson, Weld County Farm Services Agency
- **Damage Update and Tools to Get Back on Your Feet** – Todd Boldt, NRCS

11:20 **Every Cloud Has a Silver Lining** *History of Flood in S. Platte Basin*

- Nolan Doesken, Colorado Climate Center

11:50 **Food for Thought** *Keynote Luncheon*

- Friends of the South Platte Award presentation
- **Proposed Rule: Definitions of Waters of the U.S.** - Karen Hamilton, Chief of the Aquatic Resource and Accountability Unit, U.S. EPA Region 8

1:10 **When Life Gives You Gas, Make Energy**

- Moderator: Patty Limerick
- **Drilling and Completions: An Education** - Alfred William Eustes III, Associate Professor, Colorado School of Mines Petroleum Engineering Department
- TBA
- **Public Trust, Local Control, and Environmental Rights** - Doug Kemper, Executive Director, Colorado Water Congress

2:30 Break

2:45 **Knowledge is Power** *Water Education in 2014 and 2034*

- Moderator: Richard Vidmar, City of Aurora
- **Effectiveness of Water Education Survey** – Tom Browning, Colorado Water Conservation Board
- **Colorado Foundation for Water Education** - Nicole Selzer, Executive Director, Colorado Foundation for Water Education
- **AN OWOW Update: The One World One Water Center at MSU Denver** - Tom Cech, Director, One World One Water Center

4:00 **Light at the End of the Tunnel** *An Overview of Basin Projects*

- **Front Range Water Supply EISs - Overview and Status Update** – Rena Brand, U.S. Army Corp of Engineers

4:20 **Conserve Water, Drink Beer**

A reception to mingle and speak to representatives for multiple storage projects in the basin.

- **Halligan Reservoir Enlargement Project** – Donnie Dustin, City of Fort Collins
- **Moffat Collection System Project** – Travis Bray, Denver Water
- **Chatfield** – Rick McLoud, Centennial
- **Windy Gap Firming Project** – Jeff Drager, Northern Water
- **NISP** – Carl Brower, Northern Water
- **Milton Seaman** – Eric Reckentine, City of Greeley

5:30 Day 1 Ends

Thursday Oct. 23

8:30 **Plan Your Work/Work Your Plan** *State and Basin Water Plans*

- Moderator: John Stulp, Special Policy Advisor to the Governor for Water
- Opening Keynote: **Colorado Water Plan** - TBA
- **The South Platte Plan** - Mark Koleber, Metro Roundtable
- **West Slope perspective on the South Platte Plan** – Jim Pokrandt, Colorado River District, Colorado River Basin chair

9:55 Break

10:25 **What Goes In Must Come Out** *Water Quality*

- Moderator: Troy Bauder, Colorado State University Extension
- **EPA Perspective on Nurtient Pollution** - Al Basile, U.S. EPA Region 8
- **CSU National Nutrient Center** – Mazdak Arabi, CSU
- **USGS Post-Flood Sample Results** – Nancy Bauch, USGS
- **Status of Nutrients Management in Colorado** - Dick Parachini, Clean Water Program Manager, Water Quality Control Division, CDPHE

11:55 **Poetry in Water** *Keynote Luncheon*

- Justice Gregory Hobbs

1:10 Closing

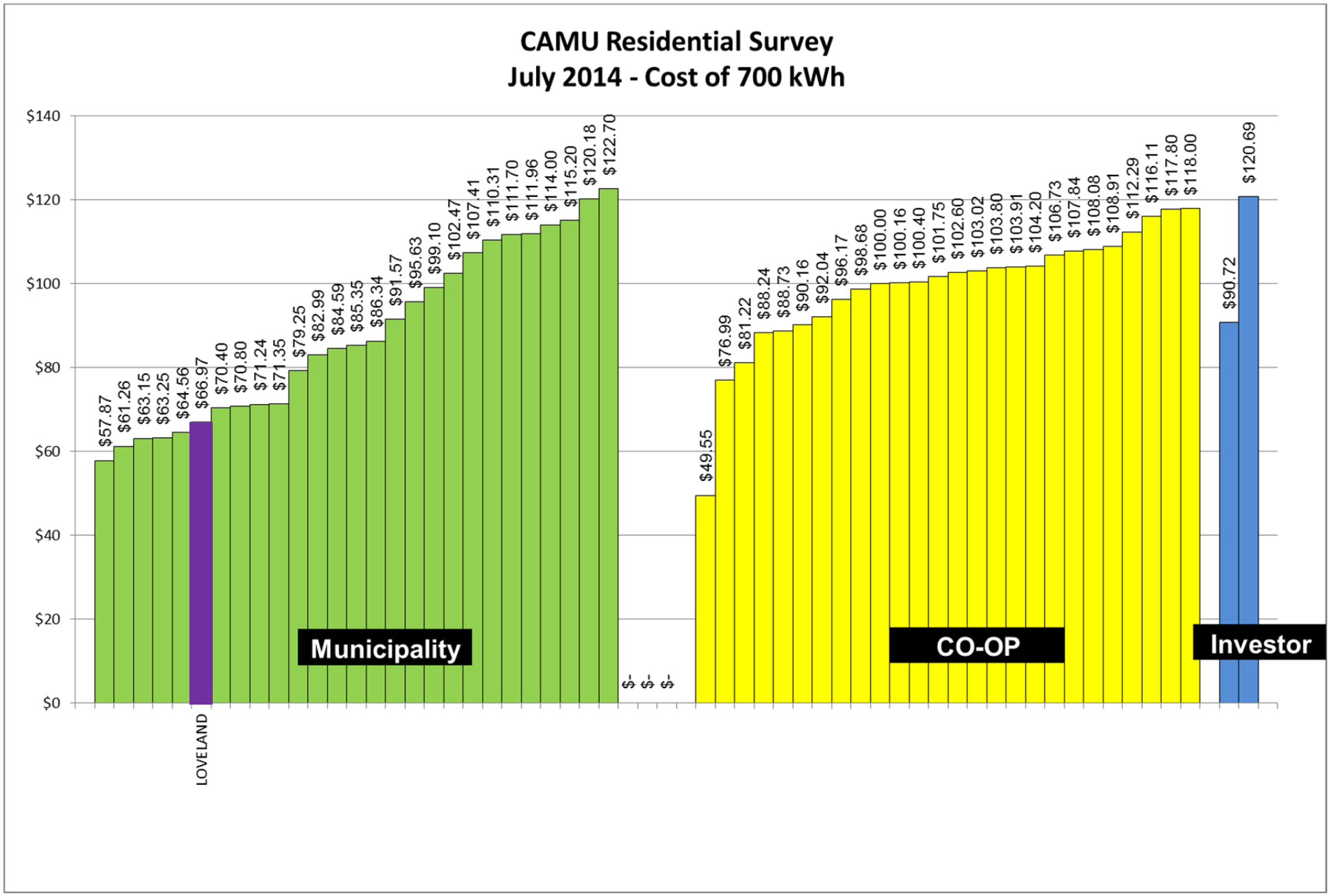
For Additional Information:

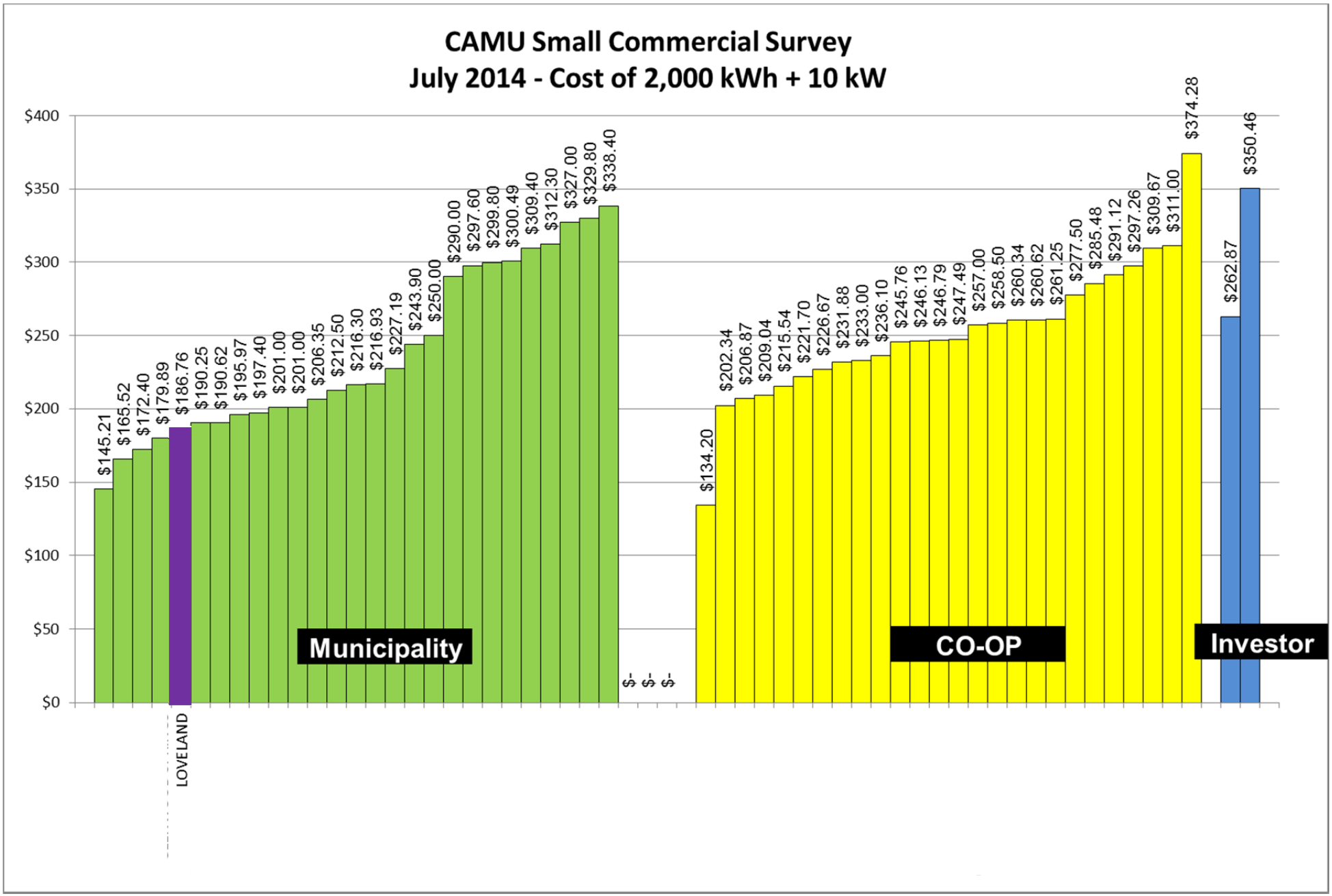
Jennifer Brown

ph: 402-960-3670
jennifer@southplatteforum.org

7

Attachment B




CAMU Small Commercial Survey
July 2014 - Cost of 2,000 kWh + 10 kW
$400
$350
$300
$250
$200
$150
$100
$50
$0
$145.21
$165.52
$172.40
$179.89
$186.76
$190.25
$190.62
$195.97
$197.40
$201.00
$201.00
$206.35
$212.50
$216.30
$216.93
$227.19
$243.90
$250.00
$290.00
$297.60
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$300.49
$309.40
$312.30
$327.00
$329.80
$338.40
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$261.25
$277.50
$285.48
$291.12
$297.26
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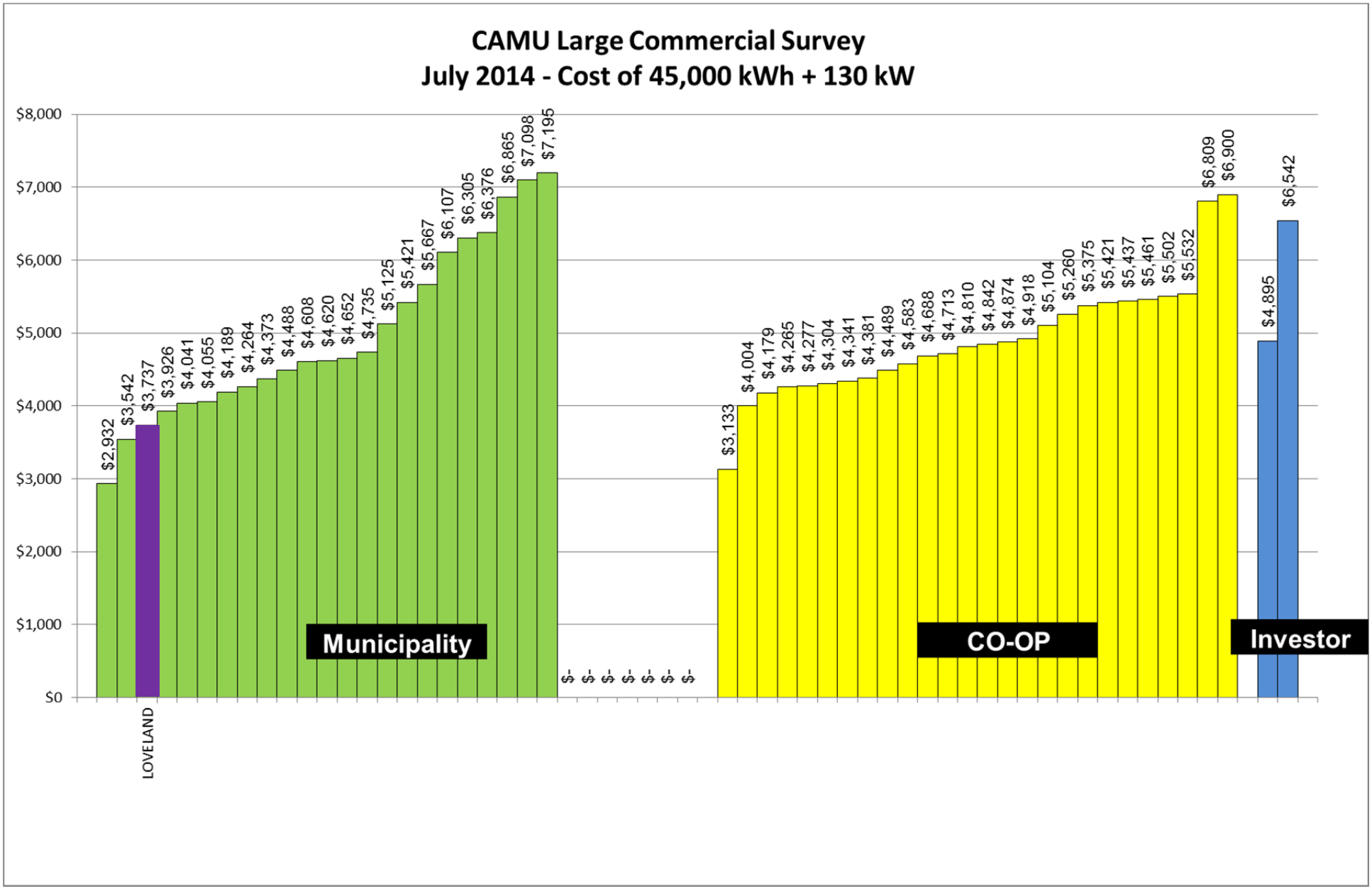
$311.00
$374.28
$262.87
$350.46
Municipality
CO-OP
Investor
LOVELAND


CAMU Large Commercial Survey
July 2014 - Cost of 45,000 kWh + 130 kW
$8,000
$7,000
$6,000
$5,000
$4,000
$3,000
$2,000
$1,000
$0
$2,932
$3,542
$3,737
$3,926
$4,041
$4,055
$4,189
$4,264
$4,373
$4,488
$4,608
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$5,125
$5,421
$5,667
$6,107
$6,305
$6,376
$6,865
$7,098
$7,195
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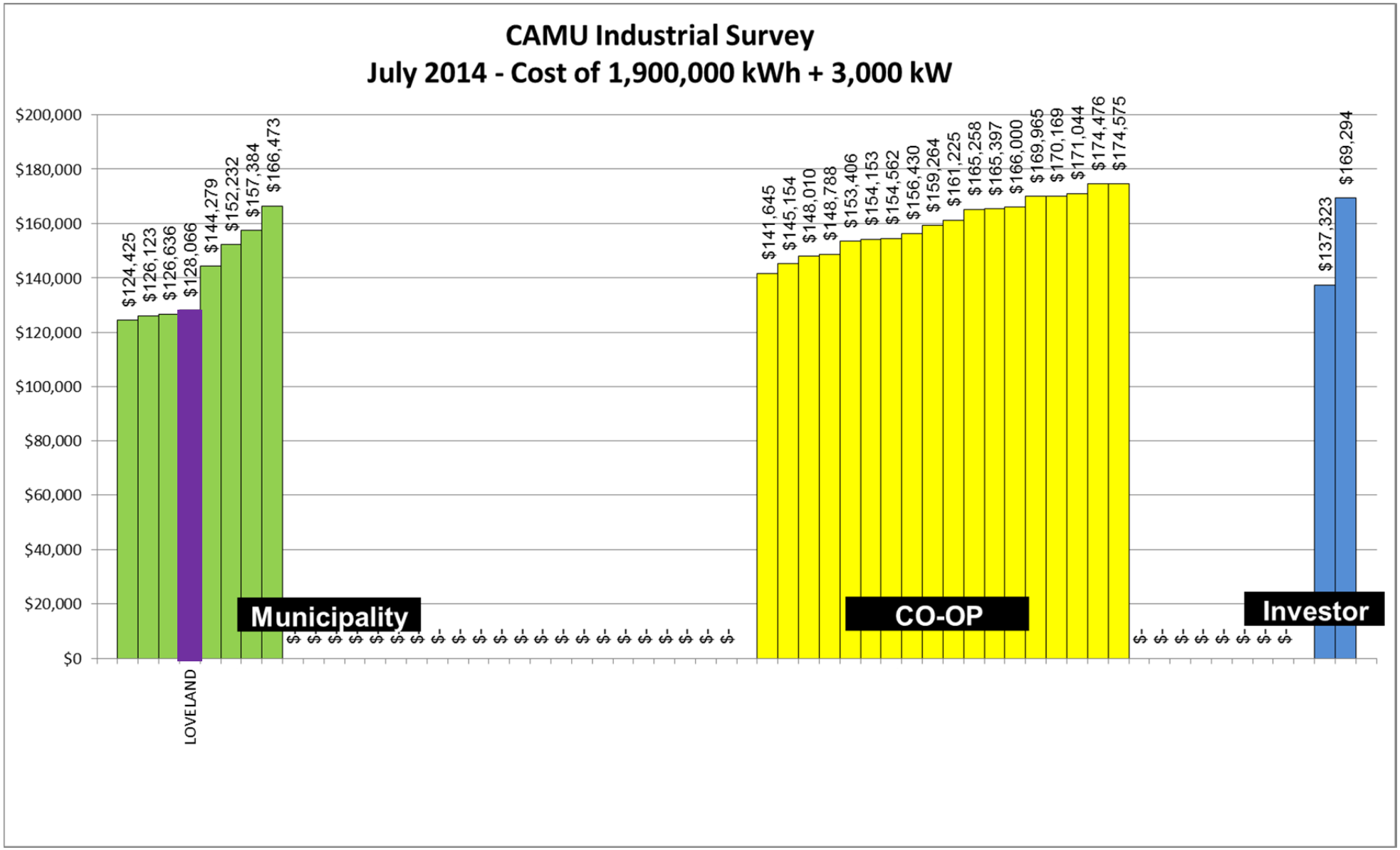
Municipality
CO-OP
Investor
LOVELAND


CAMU Industrial Survey
July 2014 - Cost of 1,900,000 kWh + 3,000 kW
$200,000
$180,000
$160,000
$140,000
$120,000
$100,000
$80,000
$60,000
$40,000
$20,000
$0
$124,425
$126,123
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$128,066
$144,279
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$170,169
$171,044
$174,476
$174,575
$137,323
$169,294
LOVELAND
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City of Loveland

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AGENDA ITEM: 8
MEETING DATE: 9/17/2014
SUBMITTED BY: Jim Lees, Utility Accounting Manager

TITLE: Financial Report Update

DESCRIPTION:
This item summarizes the monthly and year-to-date financials for August 2014.

SUMMARY:
The August 2014 financial reports are submitted for Commission review. The following table summarizes the sales and expense results for the month of August, and the August Year-To-Date results in comparison to the same periods from 2013. The summarized and detailed monthly financial statements that compare August Year-To-Date actuals to the 2014 budgeted figures are attached.

	August				August Year-To-Date			
	2014	2013	$ Ovr/(Und) vs. 2013	% Ovr/(Und) vs. 2013	2014	2013	$ Ovr/(Und) vs. 2013	% Ovr/(Und) vs. 2013
WATER								
Sales	$1,378,951	$1,290,525	$88,425	6.9%	$7,171,636	$6,350,763	$820,873	12.9%
Operating Expenses	$693,816	$692,524	$1,292	0.2%	$6,797,148	$4,993,188	$1,803,960	36.1%
Capital (Unrestricted)	$218,107	$72,194	$145,913	202.1%	$3,211,243	$2,008,229	$1,203,014	59.9%
WASTEWATER								
Sales	$733,160	$688,552	$44,608	6.5%	$5,428,903	$4,970,243	$458,660	9.2%
Operating Expenses	$477,149	$525,388	($48,239)	-9.2%	$3,512,698	$4,160,235	($647,537)	-15.6%
Capital (Unrestricted)	$540,145	$69,723	$470,422	674.7%	$1,365,298	$537,024	$828,275	154.2%
POWER								
Sales	$5,473,244	$5,336,598	$136,646	2.6%	$35,009,160	$34,648,682	$360,478	1.0%
Operating Expenses	$5,076,158	$5,233,816	($157,658)	-3.0%	$33,741,625	$33,326,788	$414,837	1.2%
Capital (Unrestricted)	$1,171,829	$411,529	$760,300	184.8%	$4,606,548	$4,990,098	($383,550)	-7.7%

RECOMMENDATION:
Staff report only. No action required.

REVIEWED BY DIRECTOR:
AP for SA

LIST OF ATTACHMENTS:
- City of Loveland Financial Statement-Raw Water
- City of Loveland Financial Statement-Water
- City of Loveland Financial Statement-Wastewater
- City of Loveland Financial Statement-Power

City of Loveland
Financial Statement-Raw Water
For Period Ending 08/31/2014

		TOTAL BUDGET FYE 12/31/2014	YTD ACTUAL	YTD BUDGET	OVER <UNDER>	VARIANCE
1	**REVENUES & SOURCES**					
2	Hi-Use Surcharge	43,000	20,649	28,640	(7,991)	-27.9%
3	Raw Water Development Fees/Cap Rec Surcharge	350,700	265,480	234,360	31,120	13.3%
4	Cash-In-Lieu of Water Rights	45,000	23,100	30,000	(6,900)	-23.0%
5	Native Raw Water Storage Fees	5,000	27,400	3,340	24,060	720.4%
6	Raw Water 1% Transfer In	839,990	549,501	548,260	1,241	0.2%
7	Interest on Investments	322,850	140,094	215,200	(75,106)	-34.9%
8	**TOTAL REVENUES & SOURCES**	**1,606,540**	**1,026,224**	**1,059,800**	**(33,576)**	**-3.2%**
9	**OPERATING EXPENSES**					
10	Windy Gap Payments	833,730	833,669	833,730	(61)	0.0%
11	Transfer to Water	5,000,000	0	5,000,000	(5,000,000)	-100.0%
12	Transfer to Water SIF	8,000,000	0	8,000,000	(8,000,000)	-100.0%
13	**TOTAL OPERATING EXPENSES**	**13,833,730**	**833,669**	**13,833,730**	**(13,000,061)**	**-94.0%**
13	NET OPERATING REVENUE/(LOSS) (excl depr)	(12,227,190)	192,555	(12,773,930)	12,966,485	-101.5%
14	RAW WATER CAPITAL EXPENDITURES	3,006,860	190,451	1,766,830	(1,576,379)	-89.2%
15	**ENDING CASH BALANCES**					
16	Total Available Funds		13,661,931			
17	Reserve - Windy Gap Cash		3,375,533			
18	Reserve - 1% Transfer From Rates		3,518,526			
19	Reserve - Native Raw Water Storage Interest		1,566,811			
20	**TOTAL RAW WATER CASH**		**22,122,801**			
21	MINIMUM BALANCE (15% OF OPER EXP)		2,075,060			
22	OVER/(UNDER) MINIMUM BALANCE		20,047,742			

NOTE: YTD ACTUAL DOES NOT INCLUDE ENCUMBRANCES TOTALING: $ -

City of Loveland
Financial Statement-Water
For Period Ending 08/31/2014

			TOTAL BUDGET FYE 12/31/2014		YTD ACTUAL	YTD BUDGET	OVER <UNDER>	VARIANCE
1	****UNRESTRICTED FUNDS****	*		*				
		*		*				
2	**REVENUES & SOURCES**	*		*				
		*		*				
3	Water Sales	*	11,264,720	*	7,171,636	7,342,260	(170,624)	-2.3%
4	Raw Water Transfer Out	*	(839,990)	*	(549,501)	(548,260)	(1,241)	0.2%
5	Wholesale Sales	*	71,380	*	77,171	41,620	35,551	85.4%
6	Meter Sales	*	38,740	*	55,360	25,430	29,930	117.7%
7	Interest on Investments	*	114,730	*	32,024	76,460	(44,436)	-58.1%
8	Other Revenue	*	6,090,380	*	2,767,688	5,935,320	(3,167,632)	-53.4%
9	External Loan Monies Received	*	12,900,000	*	0	12,900,000	(12,900,000)	-100.0%
10	**TOTAL REVENUES & SOURCES**	*	**29,639,960**	*	**9,554,379**	**25,772,830**	**(16,218,451)**	**-62.9%**
		*		*				
11	**OPERATING EXPENSES**	*		*				
		*		*				
12	Source of Supply	*	2,494,650	*	1,369,396	1,473,940	(104,544)	-7.1%
13	Treatment	*	2,748,700	*	1,564,388	1,350,750	213,638	15.8%
14	Distribution Operation & Maintenance	*	3,132,600	*	1,574,563	1,733,000	(158,437)	-9.1%
15	Administration	*	557,450	*	215,926	361,540	(145,614)	-40.3%
16	Customer Relations	*	238,900	*	135,476	164,330	(28,854)	-17.6%
17	PILT	*	729,730	*	463,549	496,960	(33,411)	-6.7%
18	1% for Arts Transfer	*	55,420	*	9,610	27,700	(18,090)	-65.3%
19	Services Rendered-Other Departments	*	1,034,610	*	629,312	645,990	(16,678)	-2.6%
20	Internal Loan Debt Expense	*	810,000	*	832,800	810,000	22,800	2.8%
21	External Loan Debt Expense	*	651,200	*	2,127	651,200	(649,073)	-99.7%
22	**TOTAL OPERATING EXPENSES**	*	**12,453,260**	*	**6,797,148**	**7,715,410**	**(918,262)**	**-11.9%**
		*		*				
23	NET OPERATING REVENUE/(LOSS)(excl depr)	*	17,186,700	*	2,757,231	18,057,420	(15,300,189)	-84.7%
		*		*				
24	CAPITAL EXPENDITURES	*	20,316,770	*	3,211,243	17,097,590	(13,886,347)	-81.2%
		*		*				
25	**ENDING CASH BALANCE**	*		*	**5,351,679**			
26	**WATER DEBT FUND ENDING CASH BALANCE PLUS MONIES RECEIVED FROM LENDERS**	*		*	**21,976**			
		*		*				
27	MINIMUM BALANCE (15% OF OPER EXP)	*		*	1,867,989			
		*		*				
28	OVER/(UNDER) MINIMUM BALANCE	*		*	3,483,690			
		*		*				
29	****RESTRICTED FUNDS****	*		*				
		*		*				
30	**REVENUES & SOURCES**	*		*				
		*		*				
31	SIF Collections	*	9,652,540	*	1,991,175	9,065,030	(7,073,855)	-78.0%
32	SIF Interest Income	*	77,300	*	50,994	55,880	(4,886)	-8.7%
33	**TOTAL SIF REVENUES & SOURCES**	*	**9,729,840**	*	**2,042,168**	**9,120,910**	**(7,078,742)**	**-77.6%**
		*		*				
34	SIF Capital Expenditures	*	17,545,460	*	2,144,094	15,404,120	(13,260,026)	-86.1%
35	1% for Arts Transfer	*	52,500	*	868	26,260	(25,392)	-96.7%
		*		*				
36	**SIF ENDING CASH BALANCE**	*		*	**8,035,943**			
		*		*				
37	**TOTAL ENDING CASH BALANCE**				**13,387,623**			

NOTE: YTD ACTUAL DOES NOT INCLUDE ENCUMBRANCES TOTALING: $ 4,651,815

City of Loveland
Financial Statement-Wastewater
For Period Ending 08/31/2014

		TOTAL BUDGET FYE 12/31/2014	YTD ACTUAL	YTD BUDGET	OVER <UNDER>	VARIANCE
1	****UNRESTRICTED FUNDS****					
2	**REVENUES & SOURCES**					
3	Sanitary Sewer Charges	8,269,970	5,428,903	5,478,980	(50,077)	-0.9%
4	High Strength Surcharge	546,760	232,066	349,960	(117,894)	-33.7%
5	Interest on Investments	35,340	50,168	23,580	26,588	112.8%
6	Other Revenue	38,680	245,747	28,820	216,927	752.7%
7	**TOTAL REVENUES & SOURCES**	**8,890,750**	**5,956,884**	**5,881,340**	**75,544**	**1.3%**
8	**OPERATING EXPENSES**					
9	Treatment	3,269,370	1,722,865	1,906,240	(183,375)	-9.6%
10	Collection System Maintenance	1,940,050	946,930	913,160	33,770	3.7%
11	Administration	394,510	130,754	239,650	(108,896)	-45.4%
12	Customer Relations	35,240	29,213	20,160	9,053	44.9%
13	PILT	617,170	395,932	409,180	(13,248)	-3.2%
14	1% for Arts Transfer	21,610	4,377	10,820	(6,443)	-59.5%
15	Services Rendered-Other Departments	472,190	282,628	288,330	(5,702)	-2.0%
16	**TOTAL OPERATING EXPENSES**	**6,750,140**	**3,512,698**	**3,787,540**	**(274,842)**	**-7.3%**
17	NET OPERATING REVENUE/(LOSS)(excl depr)	2,140,610	2,444,185	2,093,800	350,385	16.7%
18	CAPITAL EXPENDITURES	7,815,150	1,365,298	4,700,940	(3,335,642)	-71.0%
19	**ENDING CASH BALANCE**		**7,861,545**			
20	MINIMUM BALANCE (15% OF OPER EXP)		1,012,521			
21	OVER/(UNDER) MINIMUM BALANCE		6,849,024			
22	****RESTRICTED FUNDS****					
23	**REVENUES & SOURCES**					
24	SIF Collections	1,113,850	879,354	822,360	56,994	6.9%
25	SIF Interest Income	39,760	35,450	26,480	8,970	33.9%
26	**TOTAL SIF REVENUES & SOURCES**	**1,153,610**	**914,805**	**848,840**	**65,965**	**7.8%**
27	SIF Capital Expenditures	1,325,030	546,915	695,380	(148,465)	-21.4%
28	1% for Arts Transfer	8,130	4,239	4,060	179	4.4%
29	**SIF ENDING CASH BALANCE**		**5,579,758**			
30	**TOTAL ENDING CASH BALANCE**		13,441,302			

NOTE: YTD ACTUAL DOES NOT INCLUDE ENCUMBRANCES TOTALING $ 973,478

City of Loveland
Financial Statement-Power
For Period Ending 8/31/2014

		*	TOTAL BUDGET	*	YTD ACTUAL	YTD BUDGET	OVER <UNDER>	VARIANCE
	****UNRESTRICTED FUNDS****	*		*				
		*		*				
1	REVENUES & SOURCES:	*		*				
2	Electric revenues	*	$53,808,970	*	$35,009,160	$36,164,570	($1,155,410)	-3.2%
3	Wheeling charges	*	$240,000	*	$191,903	$160,000	$31,903	19.9%
4	Interest on investments	*	$154,120	*	$104,084	$102,747	$1,337	1.3%
5	Aid-to-construction deposits	*	$750,000	*	$1,486,704	$500,000	$986,704	197.3%
6	Customer deposit-services	*	$160,000	*	$140,743	$106,667	$34,076	31.9%
7	Doorhanger fees	*	$420,000	*	$267,396	$280,000	($12,604)	-4.5%
8	Connect Fees	*	$160,000	*	$106,346	$106,667	($321)	-0.3%
9	Services rendered to other depts.	*	$0	*	$1,343	$0	$1,343	0.0%
10	Other revenues	*	$402,950	*	$421,659	$268,633	$153,026	57.0%
11	Year-end cash adjustments	*	$0	*	$0	$0	$0	0.0%
12	**TOTAL NORMAL REVENUES & SOURCES**	*	**$56,096,040**	*	**$37,729,337**	**$37,689,283**	**$40,054**	**0.1%**
		*		*				
13	FLOOD REVENUE (UNBUDGETED)	*	$0	*	$1,387,562	$0	$1,387,562	0.0%
14	**TOTAL REVENUES & SOURCES**	*	**$56,096,040**	*	**39,116,899**	**$37,689,283**	**$1,427,615**	**3.8%**
		*		*				
15	OPERATING EXPENSES:	*		*				
16	Hydro oper. & maint.	*	$232,900	*	$1,133	$152,281	($151,148)	-99.3%
17	Purchased power	*	$40,266,940	*	$27,006,894	$27,750,200	($743,306)	-2.7%
18	Distribution oper. & maint.	*	$9,321,519	*	$2,421,417	$6,094,839	($3,673,422)	-60.3%
19	Customer Relations	*	$1,074,030	*	$418,627	$702,250	($283,623)	-40.4%
20	Administration	*	$796,130	*	$324,521	$520,547	($196,025)	-37.7%
21	Payment in-lieu-of taxes	*	$3,772,860	*	$2,209,794	$2,524,043	($314,249)	-12.5%
22	1% for Arts Transfer	*	$78,940	*	$14,346	$52,811	($38,465)	-72.8%
23	Services rendered-other depts.	*	$2,154,280	*	$1,344,892	$1,436,187	($91,295)	-6.4%
24	**TOTAL OPERATING EXPENSES (excl depn)**	*	**$57,697,599**	*	**$33,741,625**	**$39,233,158**	**($5,491,533)**	**-14.0%**
		*		*				
25	NET OPERATING REVENUE/(LOSS) (excl depn)	*	($1,601,559)	*	$5,375,274	($1,543,875)	$6,919,148	-448.2%
		*		*				
26	CAPITAL EXPENDITURES:	*		*				
27	General Plant/Other Generation & Distribution	*	$9,887,611	*	$3,140,140	$6,474,640	($3,334,500)	-51.5%
28	Aid-to-construction	*	$750,000	*	$1,299,636	$490,385	$809,251	165.0%
29	Service installations	*	$190,000	*	$166,772	$124,231	$42,541	34.2%
30	**TOTAL CAPITAL EXPENDITURES**	*	**$10,827,611**	*	**$4,606,548**	**$7,089,255**	**($2,482,707)**	**-35.0%**
		*		*				
31	**ENDING CASH BALANCE**	*		*	**$17,899,468**			
		*		*				
32	MINIMUM BAL. (15% of OPER EXP excl depn)	*		*	$8,654,640			
33	OVER/(UNDER) MINIMUM BALANCE	*		*	$9,244,828			
		*		*				
34	****RESTRICTED FUNDS****	*		*				
		*		*				
35	PIF Collections	*	$2,434,870	*	$1,526,468	$2,183,247	($656,779)	-30.1%
36	PIF Interest Income	*	$22,920	*	$24,967	$15,280	$9,687	63.4%
37	Water Loan Payback	*	$810,000	*	$832,800	$810,000	$22,800	2.8%
38	**TOTAL REVENUES**	*	**$3,267,790**	*	**$2,384,235**	**$3,008,527**	**($624,292)**	**-20.8%**
		*		*				
39	PIF Feeders	*	$1,075,000	*	$193,726	$702,885	($509,158)	-72.4%
40	PIF Substations	*	$2,547,970	*	$872,217	$1,698,647	($826,429)	-48.7%
41	**TOTAL EXPENDITURES**	*	**$3,622,970**	*	**$1,065,944**	**$2,401,531**	**($1,335,588)**	**-55.6%**
		*		*				
42	**ENDING PIF CASH BALANCE**	*		*	**$4,335,373**			
		*		*				
43	**TOTAL ENDING CASH BALANCE**	*		*	**$22,234,841**			

NOTE: YTD ACTUAL does NOT include encumbrances totalling $2,073,636