



**CITY OF RIVER FALLS WISCONSIN  
UTILITY ADVISORY BOARD AGENDA  
CITY HALL – COUNCIL CHAMBERS  
May 16, 2016**

Call Meeting to Order: 6:30 p.m.  
Roll Call  
Approval of Minutes: April 18, 2016

**ACTION MAY BE TAKEN ON ANY OF THE FOLLOWING ITEMS**

**PUBLIC COMMENTS:**

**CONSENT AGENDA:**

1. Acknowledgement of the following minutes:
  - a. West Central Wisconsin Biosolids Facility Commission – 04-19-16
  - b. POWERful Choices Committee – 4-14-16

**NEW BUSINESS:**

2. Consumer Confidence Report (CCR)
3. Ordinance Amending Utility Codes

**REPORTS:**

4. Finance Report
5. Utility Dashboards
  - a. Electric
  - b. Water
  - c. Waste Water Treatment Plant
  - d. Powerful Choices
6. Monthly Utility Report

**ANNOUNCEMENTS:**

Recognition to Wayne Beebe for serving on the Utility Advisory Board from April 2001 - April 2016

**ADJOURNMENT:**

Post: 05-06-16: 05-11-16

**REGULAR MEETING  
RIVER FALLS UTILITY ADVISORY BOARD  
April 18, 2016 6:30 p.m.  
Council Chambers, City Hall**

The Regular Meeting of the River Falls Utility Advisory Board was called to order by President Hanson at 6:30 p.m. Present: Chris Gagne, Diane Odeen, Wayne Beebe, Tim Thum, Grant Hanson, Duane Pederson, and Adam Myszewski. Staff present: Kevin Westhuis, Utility Director; Kristi Hartmon, Administrative Assistant; Julie Bergstrom, Finance Director; Ray French, Management Analyst; Brent Buesking, Management Analyst Fellow; Ron Groth, Water/Waste Water Superintendent; Greg Koehler, Lead Water Works Operator.

**M/S Odeen/Myszewski to approve minutes of the March 20, 2016 Regular Meeting. Motion Carried.**

**CONSENT AGENDA:**

1. Acknowledgment of the following minutes:  
West Central Wisconsin Biosolids Facility Commission Meeting – 03-01-16  
POWERful Choices Committee – 3-10-16

**M/S Odeen/Myszewski to approve Consent Agenda with noted corrections. Motion Carried.**

Noted corrections: Utility Advisory Board Member Beebe pointed out that on the West Central Wisconsin Biosolids Facility Commission Meeting, the month was incorrect on the minutes for approving the bills and the financial report. It read April and should have been February. Utility Director Westhuis stated that he would bring that up at the meeting and have them corrected.

**NEW BUSINESS:**

2. Ordinance Amending Wellhead Protection Regulation – Ray French, Management Analyst provided a brief primer of the Wellhead Protection Ordinance update. It was first adopted in 2001 in chapter 8 dealing with health, safety and wellness. This ordinance created protection zones around each of the municipal wells and established permitted uses within the overall district. This ordinance also adopted separation distances for certain uses around Municipal Well Nos. 2 – 5 and established permitted uses within the overall district. The ordinance and the maps have not been updated recently to reflect well six which was put into operation in 2011. This was identified last year through the annual DNR water system survey. Looking back through the history and staff notes on the ordinance, French found discussion in the staff notes from 2004 to 2006 during times of development for the exiting map that included the protection zones and was difficult to understand how the map worked with the separation distances and they didn't line up very well. Those discussions turned into a potential date that was worked out in 2007 on updating the ordinance to create permitted use zones and move the regulations to the zoning code and was never fully adopted or actually adopted at all.

French talked about what is changing in the ordinance and also stated a lot of the information that updated is what was already stated in 2007 that was not adopted. The big change is the wellhead protection ordinance would be moving to the zoning code under chapter 17. It creates a ground water protection overlay showing the districts on the official zoning map. It further codified the separation distances into zones A, B, and C. French stated by showing the overlay district on the zoning map the goal is to make the wellhead protection ordinance more available and transparent. French stated another major change in the ordinance is the reviewing process for requests for exemptions (or variances) from the wellhead protection ordinance. To clarify the approval process, the required environmental assessment reports will be sent to the Utilities Director for review and recommendation of the Utility Advisory Board and Plan Commission, subject to a final decision by the Common Council. The final change was minor changes that reflect updates to the Administrative Code since 2001 or were discussed as potential updates in 2007.

French summarized that the 2015 Sanitary Survey Report of River Falls Waterworks requires an update to the wellhead protection ordinance to include the protection area for MW6 on the official map. The draft ordinance establishes Chapter 17.70 – Groundwater Protection Overlay District from the existing Wellhead Protection Ordinance in Chapter 8.44. It reflects the changes discussed by staff in 2007, recent revisions to the Administrative Code, and the intent to establish an overlay district to be shown on the Official Zoning Map. French recommended the Utility Advisory Board approve the Ordinance to Create Chapter 17.70 relating to wellhead protection and forward that recommendation to the Plan Commission. French asked if the board had any questions. Beebe asked concerning well number 4 and Kwik Trip (South Main by Sycamore) because of the proximity to the circle on the map is it still within the correct parameters so there is no overlap with Kwik Trip, tanks, ect. French referred the board to page four of the draft ordinance that states gasoline or fuel oil storage tank installation that has received written approval from the Wisconsin Department of Agriculture, Trade and Consumer Protection (hereafter ATCP) or its designated agent under Section ATCP 93.100, Wis. Adm. Code. To get Kwik Trip approved for the South Main site a variance was granted and what that did was codify that exception and made Kwik Trip compliant.

Odeen moved to approve the ordinance to Create Chapter 17.70 relating to the Wellhead Protection and forward to the Plan Commission. Gagne seconded the motion and the motion passed.

3. Water Rate Increase Update. Utility Director, Kevin Westhuis, stated that this is not an actionable item but wanted the board to be aware of any updates to the water rate increase as there is a PSC hearing coming up on the rates. The board has been advised about over the last year and wanted to get the board up-to-date on the significance of those so if people in the community have questions the board will be aware. Westhuis stated he gave the board (in there packets) information on potential rate changes, historical data of revenues and expenses over the last five or six years so the board had a snapshot of what the utility is thinking regarding the rate changes. Westhuis stated the utility has been working with the

PSC for about 14 months. Westhuis went over the rates in detail and why the increase is necessary in order to maintain the water system. RFMU currently serves approximately 5,200 customers and provides customers with clean high quality water that meets or exceeds all state and federal standards. Utility Director Westhuis likes to refer it to consistently delivering safe reliable drinking water at the best possible value that we can to the citizens. Westhuis believes it is his responsibility to protect the City's investment and make sure they have the revenues, people, systems and equipment in place to do that. Westhuis stated that the value of the water system is close to nineteen million dollars in total plant service stating the City has a huge investment including two water towers; one 750,000 gallon reservoir; two pumping stations for needed pressure; five wells; 70 miles of pipe to maintain and replace when necessary; 1,398 valves to exercise and maintain; 818 hydrants; complete weekly, monthly, and annual water sampling and testing; system flushing; aquifers to monitor and protect; Cross Connection program to ensure a safe system; chemical monitoring (chlorine and fluoride); SCADA systems for tracking, recording, and monitoring; trucks and equipment; five knowledgeable, valuable, experienced, engaged employees. All Customers in River Falls will pay less than .005 cent per gallon for water with many rate classes and scenarios paying around .0025 cent per gallon.

Westhuis talked about how rates are determined. The rates are based on the actual cost of service to serve River Falls. Trilogy Consulting helped staff come up with a cost of service after gathering all the data and systems of what is being done today and what will be done in the future. Once the study was complete, it was turned over to the Public Service Commission and they gave the City their input on what the City should be charging its customers for water service. The Cost of Service Study examines revenue requirements for operation and maintenance, PILOTs, depreciation, and return on investment for future spending (going down 13% from 2012, but the Utility will be allowed a 6.5% return). The last increase was effective April 12, 2012 and was a 10% increase on the average residential customer.

Westhuis discussed the increase in water rates for residential, multi family, public authority and commercial/industrial customers. Three pieces are included to calculate the total monthly water bill (monthly fixed charge, volume charge and fire protection charge). Westhuis gave examples of the impact on the average customer in each rate classification. Estimate of impact on an average residential customer's monthly bill using 4,000 gallons of water per month will go from a current rate of \$15.31 to a proposed rate of \$17.71. An estimate of impact on an average commercial customer's monthly bill with a 1" water meter using 50,000 gallons of water per month will go from a current rate of \$81.83 to a proposed rate of \$83.43. An estimate of impact on an average public authority customer's monthly bill with a 1" water meter using 100,000 gallons of water per month will go from a current rate of \$168.00 to a proposed rate of \$191.05. An estimate of impact on an average Industrial customer's monthly bill with a 2" water meter using 250,000 gallons of water per month will go from a current rate of \$397.94 to a proposed rate of \$433.99. All the details of the proposed rate increase are published at [www.rfmu.org](http://www.rfmu.org). The utility notified customers of the PSC Public Hearing with an insert in customer utility bills mailed on April 5<sup>th</sup>, a Public

Notice was placed in the River Falls Journal on April 14<sup>th</sup>, posted on the City Hall official bulletin board, posted on [www.rfmu.org](http://www.rfmu.org) and [www.rfcity.org](http://www.rfcity.org) and posted on social media (Facebook and Twitter).

The telephonic public hearing will be held on Wednesday, April 20<sup>th</sup> at 2pm at City Hall in the Foster Conference Room. Westhuis noted a person may testify in this proceeding without becoming a party and without attorney representation. A person may make a web comment at [psc.wi.gov](http://psc.wi.gov), an oral comment spoken testimony at the public hearing, written comment, or mail no later than the day before the hearing addressed to Docket 5110-WR-104 Comments, Public Service Commission, P.O. Box 7854, Madison, WI 53707-7854. Westhuis asked the board if there were any comments, questions or concerns. Gagne asked Westhuis to explain why some may not necessarily see why the costs are going up but the consumption might be sitting at an even keel or going down. He asked Westhuis to explain why we need to make up for that conservation. Westhuis explained a pipe in the ground has a lifespan and that pipe doesn't care if it's running full of water or running half full of water. They City still needs to maintain that pipe and replace that pipe on the same schedule (called fixed costs). The City still needs to recover the revenues to ensure safe clean drinking water. Gagne stated when we conserve and put all these efficiency programs in place we are using less water and selling less water and the revenues are going down and the City needs to make up for that to pay for as Kevin's example "the pipes in the ground". Kevin stated we still want to help people conserve water and keep bills down, but still need to maintain a reliable safe water system. UAB member Hanson confirmed that the current rate of \$5.25 and we are proposing a rate of \$8.00. Westhuis stated that is the monthly fee portion of one of the three components of a monthly bill.

#### **RESOLUTIONS:**

4. Resolution Recommending Water Emergency Plan Update. Brent Buesking, Management Analyst Fellow gave a presentation. Buesking is asking the board to approve the Water Utility Emergency Response Plan Update. The Wisconsin Department of Natural Resources requires local municipalities have a comprehensive, written Water Utility Emergency Response Plan. The City of River Falls retains this plan and is updating it with local contact numbers within the utility, radio frequencies, emergency water production procedures, intergovernmental agreements, and how to communicate with the public. The last time the emergency plan was updated was May 2013. Since then, RFMU has experienced staff changes along with local and state emergency contacts. One of the biggest revisions is the addition of Well #6. The well's specifications were added to the plan. Well #6 plays an important role in emergency water production. If the eastern portion of the City experiences a power outage, then the backup generator at Well #6 will start automatically and supply water needs to Golf View Tower. This needs to be done to ensure an adequate amount of water is maintained in the Golf View Water Tower. Staff recommended that the Utility Advisory Board approve the Water Utility Emergency Response Plan Update. Buesking asked the board if they had any questions. Odeen thanked Buesking for working on this and stated that it is good to know that the city is on top of it and that we are good stewards on both our infrastructure and our water resources. Odeen made a motion to approve the

Water Utility Emergency Plan Update, Gagne seconded the motion. Gagne made an amendment to the motion to include the corrections as stated in the draft update. Motion passed.

**REPORTS:**

5. Finance Report: Finance Director Bergstrom gave a brief overview of the finance report. The first quarter of the year 2016 is complete and everything is generally either at or under budget. Bergstrom stated she would like to see the revenues higher but as long as the revenues and expenses are approximately the same we are good. One exception is the wastewater fund revenues are at 26% and expenses are at 17%. There are still some expenses in the budget that are seasonal (like sewer cleaning). There was a delayed invoice for the hydro sediment study so that did skew a little bit of the hydro costs. Beebe asked Bergstrom regarding the water fund, the current period experienced a positive gain of \$4,529 with a three-month cumulative total at a negative loss of \$12,428. It seems lately like the water fund has had a loss every month. Bergstrom stated that it ties with the way the water fund has been doing in the past eighteen months. That is why the City is proposing the water rate increase.
6. Utility Dashboards for, Electric, Water, Waste water and Powerful Choices were included in the UAB Packets. Westhuis pointed out on the Powerful Choices dashboard we continue to provide about twice the dollar amount of incentives we collect from our Citizens in River Falls. Mike Noreen and Weston Arndt in the Energy Services Department continue to be working hard and get a two for one value of the money collected on the utility bills and then what we reinvest back into the community. Gagne stated that River Falls currently ranks 10<sup>th</sup> in the Nation for customer participation in Green Block sales and 2<sup>nd</sup> in Wisconsin.
7. Monthly Utility Report was included in the UAB packets for review. Hanson asked if the 600 amp primary switch inspections were completed. Westhuis confirmed that they were complete. Beebe asked what the winter lateral fee for new underground services is. Westhuis stated it is a "frost fee" which is an extra fee per foot that is charged in the winter months. Beebe also asked about the 15000 gallons of grease trap contents from UWRF and what those are. Westhuis stated that it is from food service at the University and they are charged \$1755.00 to dispose of them at the WWTF. Hanson asked if the sludge storage ditch mixer #3 that failed on March 2<sup>nd</sup> was fixed. Westhuis confirmed it was fixed. Gagne stated that with the improvements at the WWTF and bringing that indoors that is going to help. Westhuis stated that Miron has been delivering equipment to the treatment plant with construction starting the following Monday. Beebe asked about setting up routes for valve turning machine (spin doctor) and what that is. Westhuis stated that the spin doctor is a piece of equipment (a hydraulic unit) that spins the valves. With over 600/year to do this helps with having to turn them manually.

RFMU earned the 2016 Award of Continued Excellence (ACE) from the American Public Power Association's (APPA) Demonstration of Energy & Efficiency Developments (DEED) program.

There will be a Kinni Corridor Planning Meeting at 6:00pm, Tuesday, April 19<sup>th</sup> at City Hall Training Room. This was Chris Gagne's last meeting as a Utility Advisory Board Member. Chris was elected on the City Council. Mayor is working on interviewing and will be appointing a new member to the board.

**ADJOURNMENT:**

**M/S Odeen/Beebe moved to adjourn at 7:56 p.m. Unanimous.**

Reported by: Kristi Hartmon, Administrative Assistant

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Secretary

West Central Wisconsin Biosolids Facility

Commission meeting minutes

April 19<sup>th</sup> 2016

Meeting was called to order by Gary Newton at 8:40 am.

Board members present were: Gary Newton, Greg Engeset, Kevin Westhuis, and Steve Skinner.

Board member absent: John Bond

Other present were: Joe Beaudry, Ron Groth, and Rich Bignell

Consent agenda:

Randy presented the bills for the Month of March in the amount of \$304,924.78. Motion was made to approve the March bills. M/S Greg/Kevin

Motion was made to approve the March 22nd minutes with a change being made to state February bills totaling \$97,272.70, not March bills totaling \$97,272.70. M/S Steve/Kevin

Financial Report:

Gallons and Pounds

Year to date total gallons are up by 93,777 or 2.1% from last year. Total pounds have increased 46,742 or 5.3% with member pounds up by 6.8% and non-members down 1.8%.

Process

The average feed rate was 172 gpm of sludge @2.40% solids; this equates to processing 1.03 dry tons or 5.03 wet tons per hour. Our polymer usage was 27.03 pounds of polymer per dry tons of solids. Our cake solids averaged 21.21% and end product solids were 33.92%. All end product samples met pH requirements.

Equipment Issues

\*Receiving and storage

New 8" valve ordered for screener so that it can be bypassed if needed. Valve has not arrived yet.

Two of the four sump pumps in the basement are going bad. There is a new one in stock and going to order another one.

Tank hatch are in need of repair/replacement.

Screener solenoid water valves have been replaced as they were corroded and leaking.

Water meters have been installed in front of the screener to determine actual water use of screener.

\*Mixing pumps

No know issues

\*Feed pumps

Rotary lobe feed pumps are showing signs of wear, they will need a rebuild in the near future.

\*Centrifuges

Alfa is able to run in manual mode using old computer system in case of emergency while new Alfa programing is being done.

Alfa portion of the Scada project scheduled the week of April 18<sup>th</sup>.

\*Polymer systems

Continuing to work on second polymer system. Work should be completed by the end of the Alfa phase of Scada project.

\*Bioset

Last month I reported that two poppet valves were leaking. We thought this would be an easy repair by just replacing the seals. Once the repair was started it was apparent that new cylinders and poppets needed to be installed. The work was completed without any disruption to operations by Schwing Bioset.

Gear box on the Bioset cross auger is making noise, running ok but will have Schwing look at it when they are here for service the next time.

\*Silo

The last of the silos sensors have been installed on silo #1. L.W. Allen will connect to the Scada when they return for the Alfa project.

\*Air Compressor

No know issues

\*Loader

No know issues

\*Odor control

Large air scrubber still needs to be connected to Scada for proper operation. L.W.Allen will finish this month.

\*Building Grounds

Truck entrances continues to deteriorate. This will need to be addressed in the near future

Old Business:

Audit review and approval wasn't able to happen because Auditor wasn't able to make it to meeting.

**Scada Update:**

Chad a programmer with L.W. Allen gave a Scada update on the progress of the project. They have been working on the Alfa panel programming. They are running the Alfa centrifuge to get a baseline for how to should run when it is controlled under the new panel. The panel is scheduled to be switched out in the next few days.

**Carusol odor control pilot:**

Carusol has metering equipment on hand and will be out to set up equipment next week.

**New Business:**

Enviro Care Screener pilot test was discussed and decision was made to not pilot at this time. The board decided to wait until specifications are gather on the facilities equipment needs.

**Miscellaneous:**

End product is being hauled out of storage to fields.

**Adjournment:**

Meeting was adjourned at 9:50am. M/S Kevin/Steve



## MINUTES

April 14, 2016

Training room – City Hall

12:00 p.m. – 1:00 p.m.

Committee members and guests present: Mike Noreen (RFMU), Kayla Ludwigson (SCV – Habitat), Chuck Eaton (RFSD), Nathan Croes (City of RF), Matt Fitzgerald (UWRF), Debbie Murtha (SCV – Habitat), Erin Tomlinson (Tomlinson Financial Services), Don Taylor (UWRF), Dave Ostendorf (First Congregational Church UCC), Patricia LeRue (Resident), Lauren Kaminski (RFSD Comm ED), Katie Feuerhelm (UW Extension), Tara Albores (RFSD), Al Bohl (Focus), Don Richards (SVC Habitat and RFBC), Jason Blatz (City of RF), Terry Kusilek (City of RF), Keri Schreiner (City of RF), Weston Arndt (WPPI) and Rhonda Davison (RFMU)

Mike Noreen welcomed everyone to POWERful Choices! and explaining that POWERful Choices! is an advisory group on sustainability in River Falls. Everyone is welcome and there is no membership. Mike gave a brief update on the utility box painting project stating that the artist submissions are due Monday April 18. The boxes that are scheduled to be painted are UWRF Campus, Kwik Trip North, Hoffman Park Safe House, and First National Ballpark.

### **1. Blue Bike Program**

Kate Feuerhelm with the UWRF and Pierce County Extension office along with Matt Fitzgerald with UWRF talked about the inaugural ride that will serve as the kick-off that will take place on Friday April 22 as part of Earth Day celebration and encouraged everyone to come out and participate. All of the bikes will be located at Veterans Park to start the event. Matt Fitzgerald biked the route prior to the POWERful Choices meeting and he stated it took about an hour.

Kate informed the group about how the program started. Bikes were donated and obtained through Bikes for Kids, Students Pedal and Crank Works. There are 30 bikes in the program. River Falls High School students painted the bikes. Crank Works made sure all the bikes were in good repair. Partners in the program are UWRF Outdoor Recreation (Travis Roy), Share and Be Aware, POWERful Choices, River Falls Chamber of Commerce, Pierce County Clean Sweep, Pierce County Health, and River Falls Police Department (Jon Aubart). All the bikes are registered and have a QR code on them so riders with smart phones can access maps with points of interest in River Falls. There are bike racks placed at Hoffman Park, Veterans Park, Our Neighbors Place (near Kwik Trip South and Dick's Plus), and UWRF Fine Arts building. Each of the racks has fix it stations (installed by the City of RF Public Works crew) so if the tires need air or minor repairs riders can make the repair on their own. The idea of the program is to ride it and return it. If the bike is in need of repair the rider turns the seat backwards indicating repair is necessary. The City of River Falls Public Works Department and Crank Works Bike Shop will monitor the bike racks while they are out doing their daily work. If there are too many bikes in one spot they will load them up and spread them out. If there are bikes in need of repair they will take them to Crank Works bike shop for repair. It was talked about putting some kind of GPS tracking on the bikes to monitor their use, but it was cost prohibitive at this point. There are many communities that have bike share programs, but there it almost always operated by a private company and there's a fee for ridership. Such programs were researched as an option for River Falls, but it was

*POWERful Choices! Meeting Minutes*

deemed a poor fit. Kate thanked the Blue Bike Committee and a big thank you to Issac with Crank Works for his involvement throughout the program. She also thanked the City of River Falls Public Works staff for all of their hard work.

## **2. Demonstration in Energy & Efficiency Developments (DEED) award**

Mike Noreen announced that River Falls Municipal Utility won the top award from the American Public Power Association (APPA). The award comes from research and development department of APPA and recognizes the utilities accomplishments in energy efficiency, renewable energy development and continued research. Examples of research projects with the UW-River Falls include monitoring carbon in soils in different agricultural practices, and evaluating the cost effectiveness of net zero construction. A third \$4000 research grant has been submitted by a UW-River Falls student to determine a pollinator friendly planting mix under the Community Solar site.

## **3. New Photovoltaic & hydro output webpage**

Weston Arndt spoke about a website where the renewable energy produced in River Falls could be displayed. This would include the generation from the Community Solar panels located in Sterling Ponds and the dams producing hydroelectricity. Current data with charts and graphs showing various intervals ranging from 10 minutes, daily, or tracking seasonal trends in production. There would be basic screens to reflect money savings, carbon footprint and energy offsets.

The river flows constantly which allows the hydro's to produce electricity continuously. Our 250 KW generator at full power will generate 250 KWH per hour. The hydro's operate at an average of 60% compared to the effectiveness of the community solar which operates at about 15% effectiveness.

This webpage would merge both hydro and solar. We are researching web portals and looking for suggestions what the design would look like. A quote from Accelerated Innovations is in process.

We're looking into tracking data from other sources like the Eco Village, panels on the UCC Church, renewable block sales, and other residential and commercial properties with solar panels. A challenge to the City is to get up to 10% of the customers buying renewable energy in River Falls. A suggestion is to challenge landlords to make their building more energy efficient. What can we do as a community? Remind people why we are doing these projects by hosting a film series and show movies like "Merchants of Doubt" that deliberately doubt in science to increase profits. Don Richards interjected that the public is motivated challenges. Dave Ostendorf with the UCC Church said they are getting the bugs worked out of their monitoring system for the solar panels and again thanked WPPI and Mike Noreen and all others that worked with their project. Projects like these not only benefit the church members but the community. It is good a form of advertising solar programs including reaching out to other churches. It was suggested to promote River Falls as a Solar City.

Mike Noreen spoke about the LED Light exchange at St. Bridget's and the UCC church. Through the program, parishioners at both churches could bring in 2 incandescent lights and 2 food items in exchange for 2 LED light bulbs. Each LED was sealed with a sticker that included the contact information for the free LED light kit from Focus on Energy.

## **4. Other items of interest**

Mike asked for the minutes to be approved for the March 10, 2016 meeting Weston Arndt made a motion and Chuck Eaton seconded the motion. Minutes were unanimously approved.

- Habitat for Humanity Restore facility is moving from New Richmond to Roberts (Hackman Hardware Store location). They are looking for volunteers to help with the move.

- The 4 River Falls elementary schools are in a Focus on Energy pilot program called Doing Energy Efficiency Together (DEET). The program is no cost and rewards the school for energy reduction through behavior change. the schools are also preparing to play the Cool Choices game that promotes behavior change in schools with the hope the students take what they have learned at school to implement in their homes.
- The RF High School is looking at over \$5,000 in capital improvements so they will not be able to participate in the DEET program.
- Reminder next Friday Earth Day celebration – Blue Bike program launch

Meeting minutes were taken by Rhonda Davison



## MEMORANDUM

**To:** Utility Advisory Board

**From:** Kevin Westhuis, Utility Director

**Date:** May 16, 2016

**Re:** Consumer Confidence Report for 2015

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### INTRODUCTION

This memorandum provides the Utility Advisory Board with the details of the 2015 Consumer Confidence Report.

### BACKGROUND

The Consumer Confidence Report (CCR) is required by the Federal government, for Community Water Systems, to provide information concerning water quality for the previous monitoring year. The report identifies contaminant and monitoring violations, and potential health effects created by those violations. The information contained in the report is based on results reported to the Wisconsin Department of Natural Resources.

### DISCUSSION

Enclosed is a copy of the 2015 River Falls CCR information that will be distributed through all utility bills in June 2016. It will also be noticed in the local newspaper, included on our website, posted in City Hall, and sent to landlords, schools, and other agencies. In addition to reporting compliance status, we use this report as a way to communicate information about the local ground water supply sources, potential contaminants, and definitions that would be important to the reader.

### CONCLUSION

We are pleased that the water quality in River Falls meets all state and federal standards. The Waterworks staff members take pride in maintaining the local water system. The staff deserves credit for their diligence and commitment to keeping the drinking water clean and safe.

### **Important Information about the Fluoride level**

This is an alert about your drinking water and a cosmetic dental problem that might affect children under 9 years of age. At low levels, fluoride can help prevent cavities, but children drinking water containing more than 2 milligrams per liter (mg/l) of fluoride may develop cosmetic discoloration of their permanent teeth known as dental fluorosis. The drinking water

provided by your community water system, River Falls Waterworks, had an exceedance of the secondary standard. A sample taken in September of 2015 had a fluoride level of 3.8 mg/l. Subsequent samples taken in 2015 were all under the secondary contaminant level of 2.0 mg/l. Dental fluorosis, in its moderate or severe forms, may result in a brown staining and/or pitting of the permanent teeth. This problem occurs only in developing teeth, before they erupt from the gums. Children under 9 should be provided with alternative sources of drinking water or water that has been treated to remove the fluoride to avoid the possibility of staining and pitting of their permanent teeth. You may also want to contact your dentist about proper use by young children of fluoride-containing products. Older children and adults may safely drink the water. Drinking water containing more than 4 mg/L of fluoride, the U.S. Environmental Protection Agency's drinking water standard, can increase your risk of developing bone disease. Your drinking water does not contain more than 4 mg/l of fluoride, but we are required to notify you when we discover that the fluoride levels in your drinking water exceed 2 mg/l because of this cosmetic dental problem. For more information, please call Greg Koehler of River Falls Waterworks at (715) 222-7091. Some home water treatment units are also available to remove fluoride from drinking water. To learn more about available home water treatment units, you may call NSF International at 1-877-8-NSF-HELP.

**It is also important to note a recent incident that we had that you should be aware of:**

On Thursday April 21, 2016 a Water Works Operator turned the chemical feed pump to hand so he could make an adjustment. He left the well without turning the pump back to auto. As a result the pump continued to feed fluoride for the next 24 hours. He realized his mistake as he was checking wells on April 22<sup>nd</sup> and the pump was immediately turned off. He contacted a co-worker and the Waste Water/Water Superintendent. The Waste Water Superintendent went to the well and a water employee was already on-site isolating the tower. The Waste Water Superintendent had the operators grab water samples from the area surrounding the well. When the samples were analyzed, one of the 12 samples exceeded the maximum containment level of 4.0 mg/l it was 6.52 mg/l. Staff began flushing the main in the location of the high sample at the same time they began to empty the water tower located by the well. After flushing the main for about one-half hour they resampled the level had dropped to 2.0 mg/l. The water tower was refilled with fresh water while not adding any Fluoride. The tower was then opened to the system. To prevent it from occurring in the future the operators have been instructed not to run the chemical feed pumps on hand. The water staff is in the process of redoing the control so the chemical feed pumps will only run if the well is running.

# **2015 Consumer Confidence Report Data RIVER FALLS WATERWORKS, PWS ID: 64802463**

## **Water System Information**

If you would like to know more about the information contained in this report, please contact Greg Koehler at (715) 222-7091.

## **Opportunity for input on decisions affecting your water quality**

The Utility Board meets the third Monday of every month at 6:30 pm. The City Council meets the second and fourth Tuesday of every month at 6:30 pm.

## **Health Information**

Drinking water, including bottled water, may reasonably be expected to contain at least small amounts of some contaminants. The presence of contaminants does not necessarily indicate that water poses a health risk. More information about contaminants and potential health effects can be obtained by calling the Environmental Protection Agency's safe drinking water hotline (800-426-4791).

Some people may be more vulnerable to contaminants in drinking water than the general population. Immuno-compromised persons such as persons with cancer undergoing chemotherapy, persons who have undergone organ transplants, people with HIV/AIDS or other immune systems disorders, some elderly, and infants can be particularly at risk from infections. These people should seek advice about drinking water from their health care providers. EPA/CDC guidelines on appropriate means to lessen the risk of infection by cryptosporidium and other microbial contaminants are available from the Environmental Protection Agency's safe drinking water hotline (800-426-4791).

## **Source(s) of Water**

<b>Source ID</b>	<b>Source</b>	<b>Depth (in feet)</b>	<b>Status</b>
2	Groundwater	401	Active
3	Groundwater	379	Active

Source ID	Source	Depth (in feet)	Status
4	Groundwater	415	Active
5	Groundwater	440	Active
6	Groundwater	568	Active

To obtain a summary of the source water assessment please contact, Greg Koehler at (715) 222-7091.

## Educational Information

The sources of drinking water, both tap water and bottled water, include rivers, lakes, streams, ponds, reservoirs, springs and wells. As water travels over the surface of the land or through the ground, it dissolves naturally occurring minerals and, in some cases, radioactive material, and can pick up substances resulting from the presence of animals or from human activity.

Contaminants that may be present in source water include:

- Microbial contaminants, such as viruses and bacteria, which may come from sewage treatment plants, septic systems, agricultural livestock operations and wildlife.
- Inorganic contaminants, such as salts and metals, which can be naturally- occurring or result from urban stormwater runoff, industrial or domestic wastewater discharges, oil and gas production, mining or farming.
- Pesticides and herbicides, which may come from a variety of sources such as agriculture, urban stormwater runoff and residential uses.
- Organic chemical contaminants, including synthetic and volatile organic chemicals, which are by-products of industrial processes and petroleum production, and can also come from gas stations, urban stormwater runoff and septic systems.
- Radioactive contaminants, which can be naturally occurring or be the result of oil and gas production and mining activities.

In order to ensure that tap water is safe to drink, EPA prescribes regulations that limit the amount of certain contaminants in water provided by public water systems. FDA regulations establish limits for contaminants in bottled water, which shall provide the same protection for public health.

## Definitions

Term	Definition
AL	Action Level: The concentration of a contaminant which, if exceeded, triggers treatment or other requirements which a water system must follow.
MCL	Maximum Contaminant Level: The highest level of a contaminant that is allowed in drinking water. MCLs are set as close to the MCLGs as feasible using the best available treatment technology.

<b>Term</b>	<b>Definition</b>
MCLG	Maximum Contaminant Level Goal: The level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs allow for a margin of safety.
MFL	million fibers per liter
MRDL	Maximum residual disinfectant level: The highest level of a disinfectant allowed in drinking water. There is convincing evidence that addition of a disinfectant is necessary for control of microbial contaminants.
MRDLG	Maximum residual disinfectant level goal: The level of a drinking water disinfectant below which there is no known or expected risk to health. MRDLGs do not reflect the benefits of the use of disinfectants to control microbial contaminants.
mrem/year	millirems per year (a measure of radiation absorbed by the body)
NTU	Nephelometric Turbidity Units
pCi/l	picocuries per liter (a measure of radioactivity)
ppm	parts per million, or milligrams per liter (mg/l)
ppb	parts per billion, or micrograms per liter (ug/l)
ppt	parts per trillion, or nanograms per liter
ppq	parts per quadrillion, or picograms per liter
TCR	Total Coliform Rule
TT	Treatment Technique: A required process intended to reduce the level of a contaminant in drinking water.

## Detected Contaminants

Your water was tested for many contaminants last year. We are allowed to monitor for some contaminants less frequently than once a year. The following tables list only those contaminants which were detected in your water. If a contaminant was detected last year, it will appear in the following tables without a sample date. If the contaminant was not monitored last year, but was detected within the last 5 years, it will appear in the tables below along with the sample date.

### Disinfection Byproducts

<b>Contaminant (units)</b>	<b>Site</b>	<b>MCL</b>	<b>MCLG</b>	<b>Level Found</b>	<b>Range</b>	<b>Sample Date (if prior to 2015)</b>	<b>Violation</b>	<b>Typical Source of Contaminant</b>
HAA5 (ppb)	D30	60	60	2	2		No	By-product of drinking water chlorination
TTHM (ppb)	D30	80	0	3.2	3.2		No	By-product of drinking water

Contaminant (units)	Site	MCL	MCLG	Level Found	Range	Sample Date (if prior to 2015)	Violation	Typical Source of Contaminant
								chlorination
HAA5 (ppb)	D35	60	60	2	2		No	By-product of drinking water chlorination
TTHM (ppb)	D35	80	0	4.8	4.8		No	By-product of drinking water chlorination

### Inorganic Contaminants

Contaminant (units)	Site	MCL	MCLG	Level Found	Range	Sample Date (if prior to 2015)	Violation	Typical Source of Contaminant
ARSENIC (ppb)		10	n/a	1	1		No	Erosion of natural deposits; Runoff from orchards; Runoff from glass and electronics production wastes
BARIUM (ppm)		2	2	0.008	0.008		No	Discharge of drilling wastes; Discharge from metal refineries; Erosion of natural deposits
FLUORIDE (ppm)		4	4	3.8	3.8		No	Erosion of natural deposits; Water additive which promotes strong teeth; Discharge from fertilizer and aluminum factories
NICKEL (ppb)		100		1.2000	1.2000		No	Nickel occurs naturally in soils, ground water and surface waters and is often used in electroplating, stainless steel and

Contaminant (units)	Site	MCL	MCLG	Level Found	Range	Sample Date (if prior to 2015)	Violation	Typical Source of Contaminant
								alloy products.
NITRATE (N03-N) (ppm)		10	10	0.32	0.03 - 0.32		No	Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits
SODIUM (ppm)		n/a	n/a	2.40	2.10 - 2.40	6/11/2014	No	n/a

Contaminant (units)	Action Level	MCLG	90th Percentile Level Found	# of Results	Sample Date (if prior to 2015)	Violation	Typical Source of Contaminant
COPPER (ppm)	AL=1.3	1.3	0.2600	0 of 30 results were above the action level.	8/26/2014	No	Corrosion of household plumbing systems; Erosion of natural deposits; Leaching from wood preservatives
LEAD (ppb)	AL=15	0	0.90	0 of 30 results were above the action level.	8/19/2014	No	Corrosion of household plumbing systems; Erosion of natural deposits

### Radioactive Contaminants

Contaminant (units)	Site	MCL	MCLG	Level Found	Range	Sample Date (if prior to 2015)	Violation	Typical Source of Contaminant
GROSS ALPHA,		15	0	4.2	2.7 -	6/11/2014	No	Erosion of

Contaminant (units)	Site	MCL	MCLG	Level Found	Range	Sample Date (if prior to 2015)	Violation	Typical Source of Contaminant
EXCL. R & U (pCi/l)					4.2			natural deposits
RADIUM, (226 + 228) (pCi/l)		5	0	4.2	2.7 - 4.2	6/11/2014	No	Erosion of natural deposits
GROSS ALPHA, INCL. R & U (n/a)		n/a	n/a	4.2	2.7 - 4.2	6/11/2014	No	Erosion of natural deposits
COMBINED URANIUM (ug/l)		30	0	1.5	1.5	6/29/2011	No	Erosion of natural deposits

### Unregulated Contaminants

Unregulated contaminants are those for which EPA has not established drinking water standards. The purpose of unregulated contaminant monitoring is to assist EPA in determining the occurrence of unregulated contaminants in drinking water and whether future regulation is warranted. EPA required us to participate in this monitoring.

Contaminant (units)	Level Found	Range	Sample Date (if prior to 2015)
SULFATE (ppm)	16.00	16.00	
1,2,4-TRIMETHYLBENZENE (ppb)	0.42	0.42	
1,3,5-TRIMETHYLBENZENE (ppb)	0.12	0.12	

### Volatile Organic Contaminants

Contaminant (units)	Site	MCL	MCLG	Level Found	Range	Sample Date (if prior to 2015)	Violation	Typical Source of Contaminant
ETHYLBENZENE (ppb)		700	700	0.6	0.0 - 1.1		No	Discharge from petroleum refineries
STYRENE (ppb)		100	100	0.1	0.0 - 0.1		No	Discharge from rubber and plastic factories; Leaching from landfills

Contaminant (units)	Site	MCL	MCLG	Level Found	Range	Sample Date (if prior to 2015)	Violation	Typical Source of Contaminant
XYLENES, TOTAL (ppm)		10	10	0.0023	0.0000 - 0.0045		No	Discharge from petroleum factories; Discharge from chemical factories

### Additional Health Information

If present, elevated levels of lead can cause serious health problems, especially for pregnant women and young children. Lead in drinking water is primarily from materials and components associated with service lines and home plumbing. River Falls Waterworks is responsible for providing high quality drinking water, but cannot control the variety of materials used in plumbing components. When your water has been sitting for several hours, you can minimize the potential for lead exposure by flushing your tap for 30 seconds to 2 minutes before using water for drinking or cooking. If you are concerned about lead in your water, you may wish to have your water tested. Information on lead in drinking water, testing methods, and steps you can take to minimize exposure is available from the Safe Drinking Water Hotline or at [www.epa.gov/safewater/lead](http://www.epa.gov/safewater/lead).

### Important Information About the Fluoride level

This is an alert about your drinking water and a cosmetic dental problem that might affect children under 9 years of age. At low levels, fluoride can help prevent cavities, but children drinking water containing more than 2 milligrams per liter (mg/l) of fluoride may develop cosmetic discoloration of their permanent teeth known as dental fluorosis. The drinking water provided by your community water system, River Falls Waterworks, had an exceedance of the secondary standard. A sample taken in September of 2015 had a fluoride level of 3.8 mg/l. Subsequent samples taken in 2015 were all under the secondary contaminant level of 2.0 mg/l. Dental fluorosis, in its moderate or severe forms, may result in a brown staining and/or pitting of the permanent teeth. This problem occurs only in developing teeth, before they erupt from the gums. Children under 9 should be provided with alternative sources of drinking water or water that has been treated to remove the fluoride to avoid the possibility of staining and pitting of their permanent teeth. You may also want to contact your dentist about proper use by young children of fluoride-containing products. Older children and adults may safely drink the water. Drinking water containing more than 4 mg/L of fluoride, the U.S. Environmental Protection Agency's drinking water standard, can increase your risk of developing bone disease. Your drinking water does not contain more than 4 mg/l of fluoride, but we are required to notify you when we discover that the fluoride levels in your drinking water exceed 2 mg/l because of this cosmetic dental problem. For more information, please call Greg Koehler of River Falls Waterworks at (715) 222-7091. Some home water treatment units are also available to remove fluoride from drinking water. To learn more about available home water treatment units, you may call NSF International at 1-877-8-NSF-HELP.



## MEMORANDUM

**TO:** Utility Advisory Board

**FROM:** Raymond French, Management Analyst

**DATE:** May 16, 2016

**TITLE:** Ordinance Amending the Municipal Code Regarding Utilities

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### RECOMMENDED ACTION

Motion to adopt the Ordinance Amending the Municipal Code Regarding Utilities

### BACKGROUND

It is important that, from time to time, departments review and update their ordinances to reflect changes to state regulations or to clean up and make consistent the language used in the codes. Provisions regarding the Municipal Utilities are embedded in many areas of the City's Municipal Code. When the reorganization of the Utility Departments and governance structures were adopted in 2012, a number of provisions were missed in the update. They relate primarily to references to the Utilities Commission and the Utility Administrator/General Manager. This ordinance amendment aims to address those issues.

### DISCUSSION

The following outlines each of the changes contained in the ordinance.

- Section 1: Eliminates the outdated reference to the utility general manager in the approval of public construction projects. Current policy set by the Council is for approval at this level by the City Administrator.
- Section 2: Eliminates the outdated reference to the utilities commission in the establishment of the water, sewer, and communications utilities.
- Section 3: Eliminates the outdated provisions of the Reserve Availability Equivalent Charge. This practice was eliminated through the impact fee ordinances in [Title 14](#) of the Municipal Code.
- Section 4: Eliminates the outdated reference to the utilities commission and properly reflects how sewer rates are set by the common council upon recommendation by the Utility Advisory Board.
  - This section also eliminates a reference to agreements made regarding point source pollution abatement under Wis. Adm. Code NR 128.13. This was eliminated by [2015 Wisconsin Act 76](#) because the statutory authority for the program expired in 1990.

- Section 5: Clarifies that the engineering standards for utility construction be established and maintained by the city engineer.
- Section 6: Generalizes the adopted references of Wis. Adm. Code PSC 185 to encompass the entire chapter.
- Section 7: Eliminates the outdated reference to the utilities commission and conforms to the authority to set fees and rates by the common council.
- Section 8: This section updates the Water Conservation Ordinance to properly reference the utility director, utility advisory board, and applicable statutory references. The statutory authority to subject the owner of property to six months imprisonment for violating this chapter was eliminated in the statutory change.
- Section 9: Updates the definitions of the Sewer Service System in [Chapter 13.12](#) to properly reference the Utility Director and eliminate the outdated reference to the utilities commission.
- Section 10: Eliminates outdated references to the utilities administrator and utility commission, and conforms to the authority to set fees and rates by the common council.
- Section 11: Eliminates outdated references to the utilities general manager and utility commission related to extraterritorial subdivisions.
- Section 12: Eliminates the outdated reference to the utility commission related to subdivision improvements.
- Section 13: Eliminates the outdated references to the utility commission related to the approval of subdivision improvements and preliminary approval for installation of sewer facilities.

## **CONCLUSION**

Adoption of the ordinance is recommended to clean up outdated references to the utility administrator/general manager and utilities commission.



ORDINANCE NO. 2016-XX

AN ORDINANCE AMENDING THE  
MUNICIPAL CODE REGARDING UTILITIES

THE COMMON COUNCIL OF THE CITY OF RIVER FALLS DO ORDAIN:

**SECTION 1.** That Section 3.12.040 of the City of River Falls Municipal Code be amended as follows:

3.12.040 - Public construction.

- A. Less Than Twenty-Five Thousand Dollars. All contracts for public construction, the estimated cost of which is less than twenty-five thousand dollars (\$25,000.00), shall be executed on behalf of the city by the city administrator ~~or the utility general manager, as applicable,~~ upon recommendation by the department involved.
- B. More Than Twenty Five Thousand Dollars. All public construction, the estimated cost of which exceeds twenty-five thousand dollars (\$25,000.00), shall be let as follows: If the estimated cost exceeds five thousand dollars (\$5,000.00), but does not exceed twenty-five thousand dollars (\$25,000.00), a Class 1 Notice under Ch. 985, Wis. Stats., shall be published before the contract for the construction is executed. All public construction, the estimated cost of which exceeds twenty-five thousand dollars (\$25,000.00), shall be let by contract to the lowest responsible bidder pursuant to Section 62.15, Wis. Stats.
- C. City Crews. Any public work done for or on behalf of the city may be done directly by the city without submitting the same to bids.

**SECTION 2.** That Section 13.04.010 of the City of River Falls Municipal Code be amended as follows:

13.04.010 - Combined municipal waterworks, sewerage system, and communications utility established.

- A. Statutory Authority. Pursuant to Chapter 66, Wisconsin Statutes, the city elects to operate the municipal waterworks system, communications utility, and the sewerage system as separate and distinct public utilities of the city, ~~operated for and on behalf of the city by its municipal utilities commission.~~ Each system shall be treated as separate entities with individually maintained bookkeeping and accounting records.
- B. State Statutes Adopted. Each and all the provisions of Chs. 66, 196 and 197, Wis. Stats., shall apply to such utility systems and such chapters are adopted by reference as a part of this chapter as if fully set forth herein.

**SECTION 3.** That Section 13.04.020 of the City of River Falls Municipal Code be amended as follows:

13.04.020 - Reserve ~~availability equivalent charge for water and sanitary sewer service.~~

- ~~A. Established. All new connections to the city's water and sanitary sewer system shall be charged a reserve availability equivalent charge based on the size of the water lateral from the water main to the curb stop on the property. The size of the lateral shall be determined according to standards developed by the city engineer and approved by the utility commission, such standards being adopted hereunder and made a part of this title.~~
- ~~B. When Required. The reserve availability equivalent charge shall be made only when a service is connected to a customer's facility the first time or when a customer increases his need for water to the extent an additional service or increased size water line is installed. If the fee imposed under this section is the result of increasing the size of the lateral, the fee shall be imposed only on the difference between the charge for the existing lateral and the size of the new lateral.~~
- ~~C. Amount and Payment.~~
- ~~1. Amount. The amount of the reserve availability equivalent charge shall be fixed from time to time by resolution of the city council.~~
  - ~~2. Payment. An applicant for a permit for new building construction or for connection to city water or sanitary sewer systems shall pay the reserve availability equivalent charge to the city treasurer together with any other fees required for the issuance of a building permit. The building inspector shall not issue a building permit unless the charge is paid.~~
- ~~D. Funds. All payments made by customers pursuant to this section shall be deposited and held by the city in a segregated fund.~~

**SECTION 4.** That Section 13.04.050 of the City of River Falls Municipal Code be amended as follows:

13.04.050 - Charges.

- A. Fees shall be charged for water usage as approved by the public service commission.
- B. Fees for sewer use and/or sewage treatment shall be established by resolution of the common council upon recommendation by the Utility Advisory Board per Section 2.64.070 of this municipal code ~~city utilities commission~~. The city utilities department shall examine the fee schedule annually upon receipt of the audit report for the preceding year. Any changes in fees shall become effective in the billing period next following publication in the official newspaper of any changes in such fees. The fees shall be set with consideration given to both volume and strength of sewage and shall be established according to applicable regulation established by the public service commission and shall be in compliance with Section 281.57(8)(c), Wis. Stats.
- C. The city shall conduct an annual audit, the purpose of which shall be to maintain the proportionality between users and user classes of the user charge system and to ensure that adequate revenues are available relative to increasing O, M & R costs. Any excess

revenues collected from a user class will be applied to O, M & R costs attributable to that class for the next year.

D. Users will be notified annually of the portion of user charges attributable to waste water treatment services.

~~E. The user charge system takes precedence over preexisting agreements inconsistent with Section NR128.13, Wis. Adm. Code.~~

~~FE.~~ User Charge System. Charges for metered general sewer services shall be based upon a schedule of charges that may be established, from time to time, with the approval of both the utility ~~commission~~ advisory board and common council, said charges to be on file with the city clerk and the ~~utility~~ finance director.

~~GF.~~ Connection Fee for Territory Annexed to the City.

1. Established. In addition to all other charges imposed by this title, there shall be imposed a connection fee for ultimate users of a specific municipal improvement that benefits a defined area, including area outside the corporate limits, such fee to be imposed at the time the property annexes to the city and the municipal improvement is actually used by the property owner. The specific municipal improvement shall include such items as a water tower, wastewater treatment plant or similar improvement that benefits and serves a specific, defined area, including land within and without the corporate limits. A connection fee shall not be imposed for any municipal improvement which provides a general benefit to the city as a whole.
2. How Calculated. When the specific municipal improvement is completed, the council shall hold a public hearing to specially assess the benefits to the defined area within the corporate limits, utilizing the procedures under Section 66.0703, Wis. Stats., and this municipal code. Cost of the portion of the specific improvement which benefits area outside the corporate limits and remains after the portion of the specific municipal improvement has been specially assessed within corporate limits shall comprise the base figure upon which the connection fee is calculated. The utility advisory board and the city engineer shall then establish a defined area outside the corporate limits which will be benefitted by the specific municipal improvement. The council shall then approve a per unit connection fee which will spread the cost of the base figure over the defined area outside the corporate limits, to be reimbursed to the city on a per unit basis at such time as the property annexes to the city and actual use begins. The per unit connection charge shall be calculated based upon the projected number of units which will be erected or constructed in the defined area outside of the corporate limits. A "unit" is defined as a household containing the U.S. average number of persons per residential family. A commercial unit hooking up shall pay a connection fee based upon its actual average water usage as that usage compares to the usage of a residential unit. As an alternative to a per unit connection fee, the connection fee may be calculated on a per acre basis.
3. When Imposed. The council shall approve all per unit or acreage connection charges established under this section by resolution filed with the clerk. Prior to property being annexed and the annexation ordinance being adopted, the clerk shall cause to

be mailed to all property owners within the territory to be annexed a copy of the per unit connection charges that will be imposed if actual users connect to the specific improvement. Any connection fees imposed by this section shall be included in any annexation ordinance adopted by the council.

**SECTION 5.** That Section 13.04.080 of the City of River Falls Municipal Code be amended as follows:

13.04.080 - Engineering standards for utility construction to be enforced.

This section shall incorporate by reference such engineering standards as are from time to time adopted, modified, or revised by the ~~utility commission~~ city engineer and placed into effect by it for use in conjunction with water and sanitary sewer utilities in subdivisions and in development or redevelopment of commercial and industrial properties in the city. A copy of the current standards shall be maintained at all times in the office of the ~~utility manager~~ city engineer. All construction of water and sanitary sewer facilities shall comply with these standards.

**SECTION 6.** That Section 13.08.020 of the City of River Falls Municipal Code be amended as follows:

13.08.020 - Public service commission rules adopted.

The ~~following~~ provisions of Ch. PSC 185, Wis. Adm. Code, are adopted by reference and made a part of these rules as if set forth in full. A violation of any of such rules shall constitute a violation of this section and shall be punishable as provided in [Section 13.04.040](#):

<del>§185.11</del>	<del>Authorization For and Application of Rules.</del>
<del>§185.12</del>	<del>Definitions.</del>
<del>§185.13</del>	<del>General Requirements.</del>
<del>§185.15</del>	<del>Free or Discriminatory Service Prohibited.</del>
<del>§185.16</del>	<del>Protection of Utility Facilities.</del>
<del>§185.17</del>	<del>Interference With Public Service Structures.</del>
<del>§185.18</del>	<del>Location of Records.</del>
<del>§185.19</del>	<del>Retention of Records.</del>
<del>§185.21</del>	<del>Schedules to be Filed with the Commission.</del>
<del>§185.22</del>	<del>Information Available to Customers.</del>
<del>§185.31</del>	<del>Metered Service.</del>
<del>§185.32</del>	<del>Meter Readings and Billing Periods. §185.33 Billing.</del>
<del>§185.35</del>	<del>Adjustment of Bills.</del>

§185.36	Deposits.
§185.37	Disconnection and Refusal of Service.
§185.38	Deferred Payment Agreement.
§185.39	Dispute Procedures.
§185.41	Employees Authorized to Enter Customers Premises.
§185.42	Customer Complaints.
§185.43	Construction Records.
§185.44	Records and Reports of Service Interruptions.
§185.45	Pumpage Records.
§185.46	Meeting Equipment Records.
§185.47	Other Records.
§185.51	Requirement for Good Engineering Practice.
§185.52	Construction Standards.
§185.61	Meters.
§185.65	Accuracy Requirements for Customer Meters.
§185.71	Meter Testing Facilities and Equipment.
§185.72	Calibration of Meter Testing Equipment.
§185.73	Testing of Customer Meters.
§185.74	Test Flows.
§185.75	Required Tests of Customer Meters.
§185.76	Periodic Tests.
§185.77	Complaint Tests.
§185.78	Referee Tests.
§185.79	Testing Metering Installations With Remote Registers.
§185.795	Jumpering Meter Settings.
§185.81	Quality of Water.
§185.82	Pressure Standards.
§185.83	Station Meters.
§185.84	Emergency Operation.
§185.85	System Losses.
§185.86	Flushing Mains.

<del>§185.87</del>	<del>Operation of Distribution System Valves and Hydrants.</del>
<del>§185.88</del>	<del>Interruptions of Service.</del>
<del>§185.89</del>	<del>Thawing Frozen Services.</del>

**SECTION 7.** That Section 13.08.030 of the City of River Falls Municipal Code be amended as follows:

13.08.030 - Compulsory connection to water.

- A. Notice to Connect. Whenever the public water system becomes available to any public, commercial, mercantile or business building or any building used for human habitation, the clerk may notify in writing the owner, agent or occupant to connect thereto. If the person to whom notice has been given fails to comply within ninety (90) days after notice, the council shall cause the necessary connections to be made and the expense assessed as a special tax against the property.
- B. Deferred Payment. The owner, his or her agent or the occupant may, within thirty (30) days after completion of the work, file a written option with the treasurer electing to pay the assessment in five equal annual installments with interest on the unpaid balance at a rate approved by the ~~utilities commission~~ common council.

**SECTION 8.** That Section 13.08.030 of the City of River Falls Municipal Code be amended as follows:

13.08.040 - Water conservation ordinance.

B. Definitions.

"Emergency water condition" means a circumstance in which any of the following exist:

1. Water pressure to any customer cannot be sustained at a pressure greater than or equal to twenty (20) pounds per square inch (PSI).
  2. Water storage levels cannot be maintained at an adequate level.
  3. Water production levels are limited due to natural conditions, equipment out of service for maintenance, equipment failure, or other causes.
  4. The city has declared a state of emergency on the recommendation of the utility ~~general manager~~ director or designee due to other circumstances which, to a reasonable certainty, shall result in a severe water shortage for the city if emergency measures are not implemented.
- E. Special Exemption Request. Any person may request an exemption to allow sprinkling during the hours prohibited by subsections (C)(1) and (C)(2) of this section by contacting the utility.
1. The request shall indicate the address for sprinkling, the time period within which the sprinkling is requested, the name, address, and contact information of a responsible party at the address, and the reason for the request.
  2. An exemption shall be granted in rare cases and only if the utility general manager, or designee, determines the exemption is necessary to avoid an emergency condition

- adversely affecting the applicant or the public; or if failure to grant the exemption would substantially deprive the applicant of his/her financial livelihood. A decision shall be communicated to the applicant within ten (10) days of receipt by the utility.
3. If an exemption is granted, conditions may be applied to the manner or time of sprinkling if those conditions reasonably relate to the goal of minimizing depletion of the water table.
  4. Any person aggrieved by a decision to grant or deny an exemption may appeal to the utility ~~commission~~ advisory board at the next regular meeting.
- F. Enforcement and Penalty.
1. Notices. Whenever the manager or his or her designee determines that a violation of this chapter has occurred or is occurring, notice of said violation shall be provided in writing to the owner of the property in question who shall be ordered to bring the use of water into compliance herewith. In lieu thereof or after notice has been provided and compliance has not been effected, a citation may be issued for each violation.
  2. Penalty. A forfeiture not to exceed the amount set forth in Section ~~166.23(2)~~ 323.28, Wis. Stats., shall be assessed for each violation of this chapter, with each day an offense continues constituting a separate offense. ~~In lieu of payment of such forfeiture, each offender may be subject to six months imprisonment.~~

**SECTION 9.** That Section 13.12.010 of the City of River Falls Municipal Code be amended as follows:

13.12.010 - Definitions.

~~"Public Utilities Commission" means the utility commission acting for and in behalf of the city.~~

"Utility ~~administrator~~ Director" means the ~~administrator of the city, Wisconsin Municipal Utilities position established per Section 2.08.180 of this municipal code~~, or his or her authorized representative.

"Wisconsin Pollutant Discharge Elimination System (WPDES) Permit" is a document issued by the Wisconsin Department of Natural Resources, which establishes effluent limitations and monitoring requirements for the municipal wastewater treatment facility. WPDES Permit No. WI-0029394-2 and modifications thereof pertain to the wastewater treatment facility in the city ~~operated by the River Falls Public Utility Commission.~~

**SECTION 10.** That Section 13.12.050 of the City of River Falls Municipal Code be amended as follows:

13.12.050 - Sewer system general regulations.

F. Special Cases.

1. No statement contained in this article shall be construed as preventing any special agreement or arrangement between the city and any industrial concern whereby an

industrial waste of unusual strength or character may be accepted by the city for treatment, subject to payment therefor, by the industrial concern.

2. Whenever it is determined that any lot, parcel of land, building or premises is discharging industrial wastes of unusual volume, concentration or character, or of greatly variable volume, the ~~utilities administrator~~ utility director shall recommend the adoption of a special rate for such class of users, taking into consideration the volume, biochemical-oxygen-demand value, and suspended solids content of the industrial wastes, and the nature of the use made of the sewer system, but industrial sewer service rates will not be changed or adopted as original rates except by resolution of the ~~city utility commission~~ common council.

**SECTION 11.** That Section 16.10.135 of the City of River Falls Municipal Code be amended as follows:

16.10.135 - Subdivision of existing substandard parcels permissible subject to conditions.

- C. A pre-existing lot which was created by a division of land which was of record prior to the effective date of Chapter 16.10, and with a land use designation of Very Low Infill (VLI) as mapped on the City of River Falls Comprehensive Plan Future Land Use Map may be divided under this chapter to lots whose sizes are authorized in Section 17.108, City of River Falls Municipal Code Extraterritorial Zoning. This type of land division shall be exempt from the requirements under A., above. The ~~municipal utilities general manager~~ utility director and the planning director shall approve of the creation of new lots in accord with a cost of service study and the standards under Section 16.10.200, subject to the appeal of the ~~utility commission~~, planning commission and city council.

**SECTION 12.** That Section 16.16.010 of the City of River Falls Municipal Code be amended as follows:

16.16.010 - General improvements.

- F. If the ~~utility commission~~, city council or city engineer make design requirements that are in excess of requirements for the immediate development as determined by the city engineer and approved by the council, the excess cost shall be equally shared by the city and the developer. "Design requirements" shall include size and materials, but not depth or routing.

**SECTION 13.** That Section 16.16.020 of the City of River Falls Municipal Code be amended as follows:

16.16.020 - Improvements.

- D. Utilities. Utilities shall be installed at the expense of the subdivider under the supervision of the city engineer and utility department. Prior to any water or sewer mains being installed, the plans must be submitted to the utility ~~commission~~ department for review, recommendation and approval. When approving any subdivision under this

title, the council shall require the developer, in addition to any other requirements imposed by this title, to extend the service provided by all utilities to the end of the boundary lines of the property that is to be platted, such that such utilities form a complete extension to allow the abutting property of the subdivision to connect to the utility extensions. The payment for such extensions shall be done at the sole expense of the subdivider, by assessing a portion of the cost to abutting, benefitting properties, or some combination thereof as may be contained in a developer's agreement, as each individual case warrants.

1. Sanitary Sewer. The developer shall install a public sanitary sewer system adequate to provide the subdivision with a complete sanitary sewer system, including lateral connection initially into each lot and connected in a satisfactory manner to the city sanitary sewer system. Sewer mains shall be installed at sufficient depth to ensure use by the area adjacent to the subdivision installing the main. The design and construction of the sanitary sewer main extension shall conform to the design criteria of the River Falls Engineering Guidelines.
  - a. Minimum size of eight inch sewer is required for new development.
  - b. If a pumping station is required to pump sanitary wastes, the subdivider shall install at no expense to the city a pumping station and force main approved by the city engineer and utility department adequate to service a subdivision and shall deed such pumping station, force main, equipment and site to the city prior to acceptance of the final plat.
  - c. No subdivision shall receive preliminary approval of sewer facilities installations until inspection by the city engineer and, utility department ~~and formal action by the utility commission. Request for preliminary approval shall be in writing and a report pertaining to the request completed and submitted by the city engineer to the utility commission for action within fourteen (14) days.~~ The developer shall not be relieved of responsibility for any sewer installation before one full year from the date of acceptance.
2. Water. The developer shall install a complete water distribution system adequate to serve the area being platted, including laterals into each lot. The system fire flow shall be adequate to meet commercial risk services standards. Further, the design and construction of the water main extension shall conform to the design criteria of the River Falls Engineering Guidelines. Calculations shall be based upon the maximum density of the lots in accordance with commercial risk services.
  - a. Water mains shall be looped wherever possible to ensure proper circulation of water throughout the system. No "dead-ends" shall be permitted if an interconnection can be made.
  - b. Gate valves shall be installed wherever the city engineer or utility representative deems them necessary in order that sectionalizing of the water system can be accomplished in the event of repairs or tie-ins.
  - c. Standard minimum size of eight inches is required for new development. Smaller than eight inches may only be used if approved by the city engineer.

- d. Water mains and services shall be so installed at seven feet of cover depth below final finished grade to insure no freezing shall occur during the coldest weather experienced by this community.
- e. Before final acceptance of the installed system by the city, sufficient evidence shall be presented to the city that the system has passed the state required bacteriological test, the state requirements for pressure and leakage tests and the city requirements for electrical continuity testing. The developer shall not be relieved of responsibility for any water main or services installation before one full year from the date of acceptance.
- f. The developer shall furnish and install all necessary fire hydrants according to specifications established by the city engineer and the utility department.
- g. All fire hydrants shall be installed with respect to final grade. Operation and maintenance specifications shall be adhered to when fire hydrants are installed. Adjustments of hydrants due to final grade shall be the developer's responsibility.
- h. The plan commission, upon advice from the fire chief, city engineer, ~~or the utility administrator~~ director, may require the developer to install private fire hydrants where deemed necessary. Such private fire hydrants shall be maintained at the developer's or land owner's expense. Further, such private fire hydrants shall be installed in compliance with all appropriate city specifications.

**SECTION 14.** This ordinance shall take effect on the day after publication.

Dated this 28th day of June, 2016.

**FOR THE CITY OF RIVER FALLS**

\_\_\_\_\_  
Dan Toland, Mayor

ATTEST:

\_\_\_\_\_  
Lu Ann Hecht, City Clerk

Adopted: \_\_\_\_\_

Published: \_\_\_\_\_



May 12, 2016

To: Utility Advisory Board

From: Tracy Biederman, Accountant

Re: **April 2016** Financial Statements

Attached are the interim financial statements for the electric, water and sewer funds for the period ending April 2016.

Electric fund: Total revenue for the electric fund is \$4,410,363. Year to date total expenses are \$4,221,457; generating a net income of \$188,906. Charges for services have decreased by \$253,639 with the reduction in kWh sales by 538,397 kWh year over year.

- Cumulative reductions occurred in purchased power and transmission expenditures.
- The line item noted as Debt Service is the amortization of the five-year plan of the power plant closing. The net book value will be fully amortized this November.
- Period ending cash and unrestricted investments balance is a positive \$7.628 million.

Water fund: Total revenue for the water fund is \$533,562. Year to date total expenses are \$571,115.

- Total Water consumption increased 1.8 million gallons from last year over for the four month period. Industrial and multi-family categories account for 3.9 million gallons increase whereas all other categories have declined.
- Year-to-date expenditures for the period ending are very consistent to the prior years'.
- Period ending cash and investments balance is a positive \$1.547 million.

The water utility has a cumulative negative income at the end of the four period.

Sewer fund: Total revenue for the sewer fund is \$1,110,259. Year to date total expenses are \$878,120.

- BioSolids has recognized a decline in expenditures year-over-year.
- Revenues in aggregate have increased due to the increase in water consumption.
- Debt Service has a large increase due to the 2016A Revenue Bond closing and issuance costs recorded in April.
- Period ending cash and investments balance is a positive \$7.804 million.

The Utility has an overall net gain of \$232,140.

Please contact me if you have any questions regarding the monthly financial reports.

FUND	Description	Period Net Change	Account Balance
<b>610 Electric</b>			
<b>Assets</b>	<b>Total Assets</b>	<b>(18,699.45)</b>	<b>21,069,399.74</b>
	Cash and Investments	(93,476.21)	7,628,792.08
	Accounts Receivable	70,260.55	1,122,425.90
	Prepaid & Inventory	39,832.37	654,087.30
	Non-Current Assets	0.00	0.00
	Constr in Progress	(2,886.64)	172,965.70
	Capital Assets	34,198.99	24,334,991.62
	A/D Capital Assets	(66,628.51)	(12,952,724.86)
	Deferred Resources	0.00	108,862.00
<b>Liabilities</b>	<b>Total Liabilities</b>	<b>135,417.72</b>	<b>(883,487.09)</b>
	Accounts Payable	168,922.16	(855,886.58)
	Benefits Payable	0.00	0.00
	Non-Current Liab	(9,139.00)	(95,075.75)
	Debt Outstanding	817.19	(108,802.17)
	Deferred Resources	(25,182.63)	176,277.41
<b>Fund Balance</b>	<b>Total Fund Balance</b>	<b>(116,718.27)</b>	<b>(20,185,912.65)</b>
	Fund Balance	(116,718.27)	(20,185,912.65)
	<b>Total Liabilities + Fund Balance</b>	<b>18,699.45</b>	<b>(21,069,399.74)</b>

FUND	Description	Period Net Change	Account Balance
<b>620 Water</b>			
<b>Assets</b>	<b>Total Assets</b>	<b>(122,055.21)</b>	<b>15,684,234.98</b>
	Cash and Investments	(85,850.96)	1,547,945.24
	Accounts Receivable	878.44	119,535.06
	Prepaid & Inventory	(244.78)	56,913.09
	Non-Current Assets	62.67	337,490.88
	Constr in Progress	0.00	94,354.41
	Capital Assets	0.00	18,892,461.55
	A/D Fixed Assets	0.00	0.00
	A/D Capital Assets	(36,900.58)	(5,409,261.25)
	Deferred Resources	0.00	44,796.00
<b>Liabilities</b>	<b>Total Liabilities</b>	<b>102,309.51</b>	<b>(2,000,707.91)</b>
	Accounts Payable	107,673.61	(26,881.59)
	Benefits Payable	0.00	0.00
	Non-Current Liab	14.86	(29,345.45)
	Debt Outstanding	(5,378.96)	(1,944,480.87)
<b>Fund Balance</b>	<b>Total Fund Balance</b>	<b>19,745.70</b>	<b>(13,683,527.07)</b>
	Fund Balance	19,745.70	(13,683,527.07)
	<b>Total Liabilities + Fund Balance</b>	<b>122,055.21</b>	<b>(15,684,234.98)</b>

FUND	Description	Period Net Change	Account Balance
<b>630 Waste Water</b>			
<b>Assets</b>	<b>Total Assets</b>	<b>4,047,551.78</b>	<b>27,763,100.01</b>
	Cash and Investments	3,905,203.95	7,804,976.62
	Accounts Receivable	13,481.08	329,586.29
	Prepaid & Inventory	(2,619.58)	31,601.76
	Non-Current Assets	140.10	411,060.69
	Constr in Progress	174,783.92	553,876.69
	Capital Assets	0.00	27,811,941.54
	A/D Fixed Assets	0.00	0.00
	A/D Capital Assets	(43,437.69)	(9,240,779.58)
	Deferred Resources	0.00	60,836.00
<b>Liabilities</b>	<b>Total Liabilities</b>	<b>(4,100,770.36)</b>	<b>(10,098,489.95)</b>
	Accounts Payable	186,824.98	(239,354.12)
	Benefits Payable	0.00	0.00
	Non-Current Liab	(114,745.15)	(233,911.71)
	Debt Outstanding	(4,170,836.58)	(9,791,690.45)
	Deferred Resources	(2,013.61)	166,466.33
<b>Fund Balance</b>	<b>Total Fund Balance</b>	<b>53,218.58</b>	<b>(17,664,610.06)</b>
	Fund Balance	53,218.58	(17,664,610.06)
	<b>Total Liabilities + Fund Balance</b>	<b>(4,047,551.78)</b>	<b>(27,763,100.01)</b>



# Financial Statement

## April, 2016

	Current Year				
	Budget	Month	Y-T-D	% Budgeted	Prior Y-T-D
<b>610 - Electric</b>					
<b>Revenue</b>					
Charges for Services	\$14,189,533	\$1,031,919	\$4,272,581	30%	\$4,526,220
Interest	\$15,000	\$2,459	\$14,339	96%	\$9,800
Miscellaneous	\$622,488	\$36,403	\$117,556	19%	\$105,065
Other Financing	\$30,000	\$4,421	\$5,887	20%	\$75,741
Deferred Resources	\$0	\$0	\$0	0%	\$0
<b>Total Revenue</b>	<b>\$14,857,021</b>	<b>\$1,075,201</b>	<b>\$4,410,363</b>	<b>30%</b>	<b>\$4,716,826</b>
<b>Expense</b>					
Hydraulic Power Generation	\$32,569	\$3,083	\$29,463	90%	\$12,980
Purchased Power	\$10,866,597	\$658,886	\$3,017,181	28%	\$3,290,708
Transmission	\$25,997	\$351	\$3,212	12%	\$49,922
Distribution	\$1,106,753	\$69,507	\$290,235	26%	\$295,190
Customer Accounts	\$621,039	\$40,388	\$165,479	27%	\$143,529
Administrative & General	\$394,911	\$37,903	\$120,764	31%	\$182,837
Other Operating Expenses	\$764,700	\$66,728	\$268,577	35%	\$256,130
Debt Service	\$277,008	\$25,183	\$100,731	36%	\$0
Transfers to Other Funds	\$767,447	\$56,454	\$225,816	29%	\$211,765
<b>Total Expense</b>	<b>\$14,857,021</b>	<b>\$958,483</b>	<b>\$4,221,457</b>	<b>28%</b>	<b>\$4,443,061</b>
<b>Net Total 610 - Electric</b>	<b>\$0</b>	<b>\$116,718</b>	<b>\$188,906</b>	<b>29%</b>	<b>\$273,765</b>



# Financial Statement

## April, 2016

	Current Year				
	Budget	Month	Y-T-D	% Budgeted	Prior Y-T-D
<b>620 - Water</b>					
<b>Revenue</b>					
Special Assessments	\$0	\$0	\$0	0%	\$0
Charges for Services	\$1,313,137	\$109,495	\$428,359	33%	\$421,964
Interest	\$3,474	\$519	\$2,213	64%	\$654
Miscellaneous	\$459,145	\$11,302	\$45,114	10%	\$36,809
Other Financing	\$85,080	\$13,356	\$57,876	68%	\$44,563
<b>Total Revenue</b>	<b>\$1,860,836</b>	<b>\$134,671</b>	<b>\$533,562</b>	<b>29%</b>	<b>\$503,990</b>
<b>Expense</b>					
Transmission	\$437,754	\$37,685	\$117,841	27%	\$126,958
Pumping	\$139,492	\$8,629	\$37,074	27%	\$45,114
Water Treatment	\$75,901	\$6,348	\$18,760	25%	\$21,258
Customer Accounts	\$117,111	\$6,734	\$24,880	21%	\$23,057
Administrative & General	\$187,321	\$16,815	\$59,017	32%	\$51,954
Other Operating Expenses	\$365,844	\$36,901	\$147,872	40%	\$147,105
Debt Service	\$66,119	\$5,364	\$21,906	33%	\$23,562
Transfers to Other Funds	\$471,294	\$35,941	\$143,765	31%	\$133,814
<b>Total Expense</b>	<b>\$1,860,836</b>	<b>\$154,417</b>	<b>\$571,115</b>	<b>31%</b>	<b>\$572,823</b>
<b>Net Total 620 - Water</b>	<b>\$0</b>	<b>\$(19,746)</b>	<b>\$(37,552)</b>	<b>30%</b>	<b>\$(68,833)</b>



# Financial Statement

## April, 2016

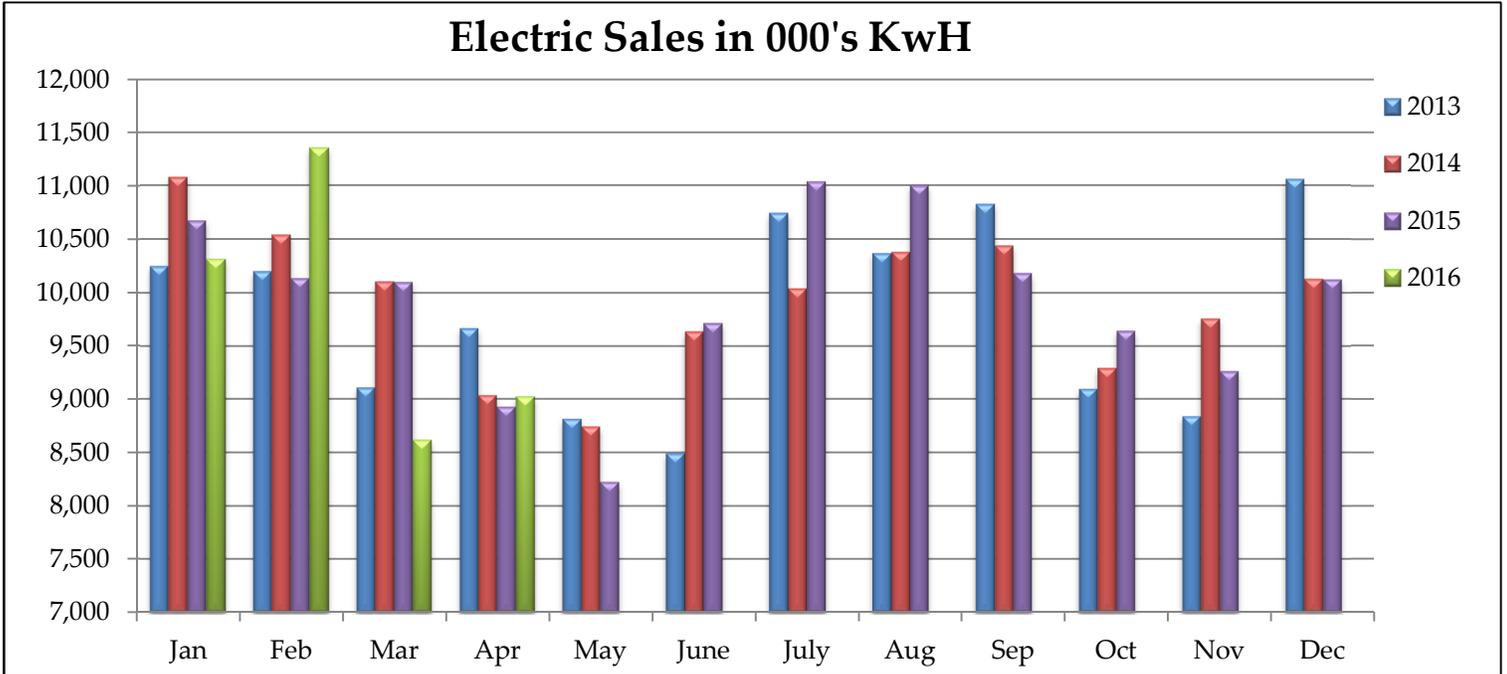
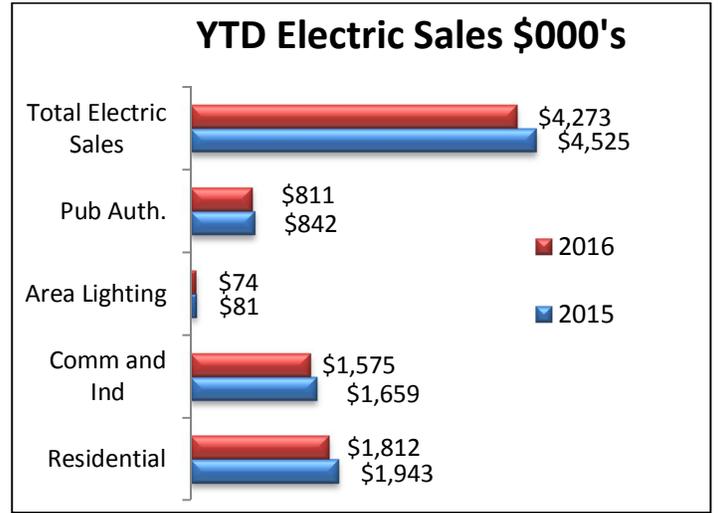
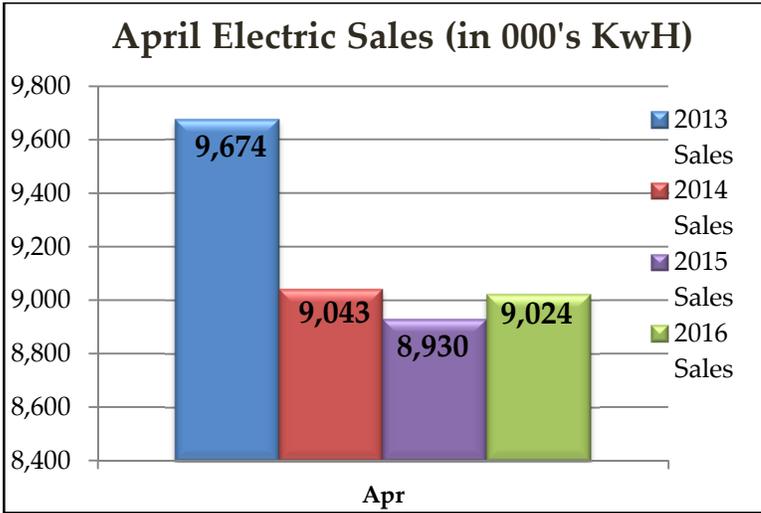
	Current Year				
	Budget	Month	Y-T-D	% Budgeted	Prior Y-T-D
<b>630 - Waste Water</b>					
<b>Revenue</b>					
Special Assessments	\$0	\$0	\$0	0%	\$0
Charges for Services	\$3,079,754	\$264,739	\$1,036,598	34%	\$1,012,744
Interest	\$4,500	\$1,796	\$8,318	185%	\$3,899
Miscellaneous	\$36,614	\$6,344	\$24,705	67%	\$16,843
Other Financing	\$59,480	\$9,378	\$40,638	68%	\$31,290
<b>Total Revenue</b>	<b>\$3,180,348</b>	<b>\$282,257</b>	<b>\$1,110,259</b>	<b>35%</b>	<b>\$1,064,776</b>
<b>Expense</b>					
Operation	\$529,477	\$35,384	\$125,252	24%	\$132,769
Maintenance	\$558,637	\$24,794	\$88,846	16%	\$97,804
Bio Solids	\$394,000	\$31,217	\$116,990	30%	\$132,324
Customer Accounts	\$285,187	\$6,993	\$25,836	9%	\$22,726
Administrative & General	\$360,773	\$36,231	\$109,647	30%	\$89,970
Other Operating Expenses	\$493,000	\$43,438	\$173,650	35%	\$173,182
Debt Service	\$99,737	\$142,256	\$177,249	178%	\$54,512
Transfers to Other Funds	\$459,537	\$15,162	\$60,649	13%	\$60,649
<b>Total Expense</b>	<b>\$3,180,348</b>	<b>\$335,475</b>	<b>\$878,120</b>	<b>28%</b>	<b>\$763,937</b>
<b>Net Total 630 - Waste Water</b>	<b>\$0</b>	<b>\$(53,219)</b>	<b>\$232,140</b>	<b>31%</b>	<b>\$300,839</b>
<b>Grand Total</b>	<b>\$0</b>	<b>\$43,754</b>	<b>\$383,494</b>	<b>29%</b>	<b>\$505,772</b>

# River Falls Municipal Utility

## ⚡ Electric Dashboard ⚡

For April 2016

### Electric Sales

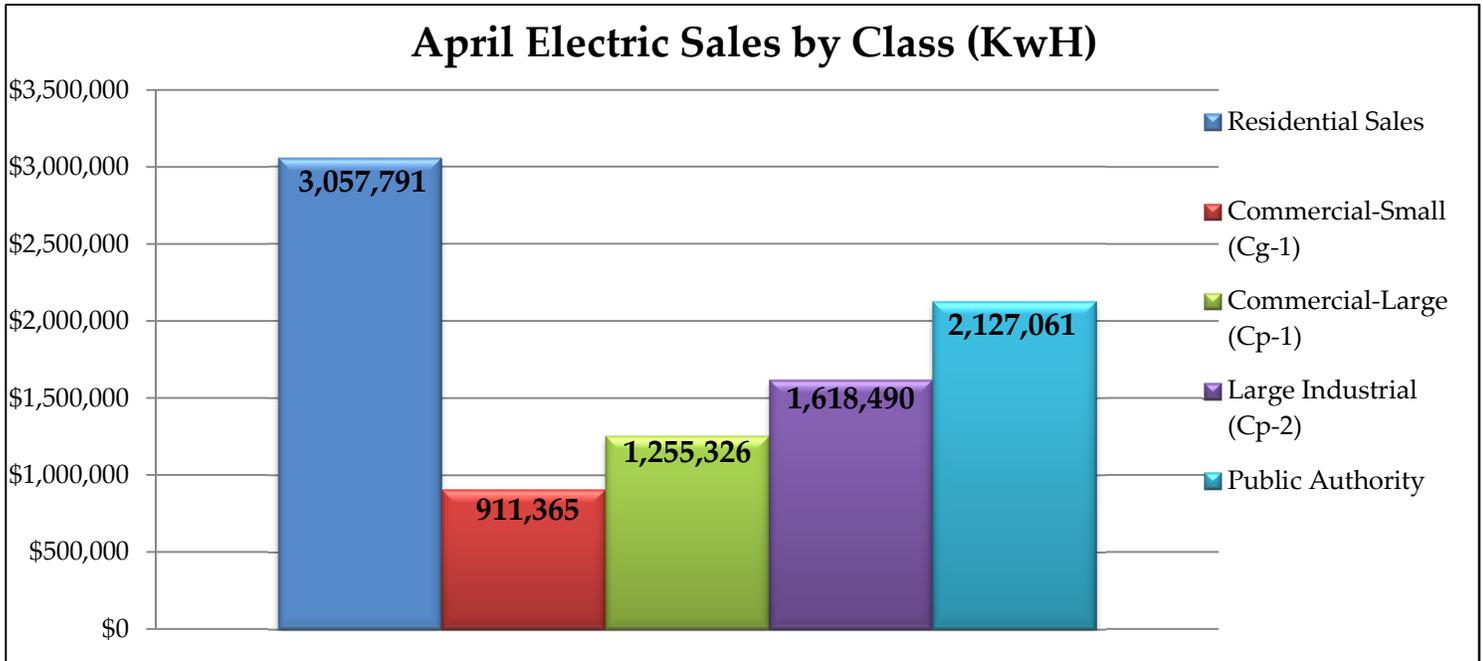


*The Power of Community*

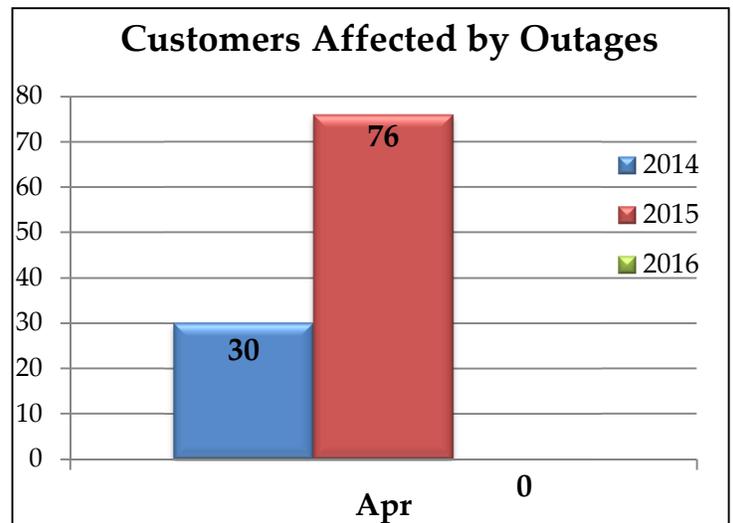
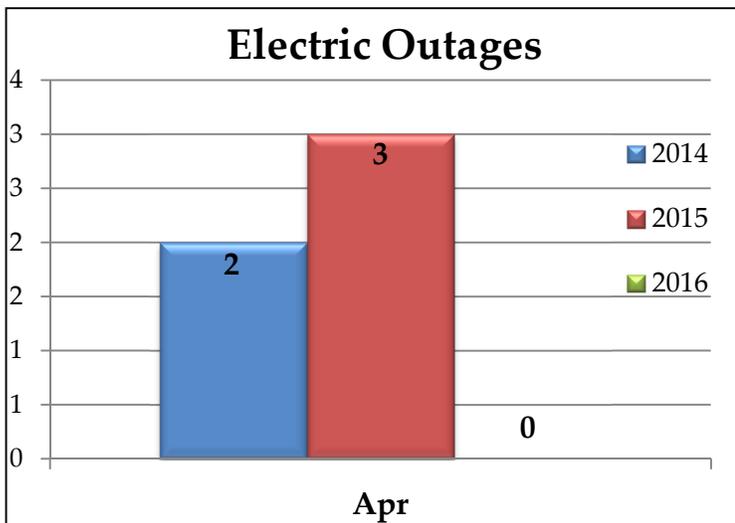
# River Falls Municipal Utility

## Electric Dashboard

For April 2016



### Electric Outages



For more information please contact: Kevin Westhuis  
(715) 426-3442 or [kwesthuis@rfcity.org](mailto:kwesthuis@rfcity.org)

# River Falls Municipal Utility

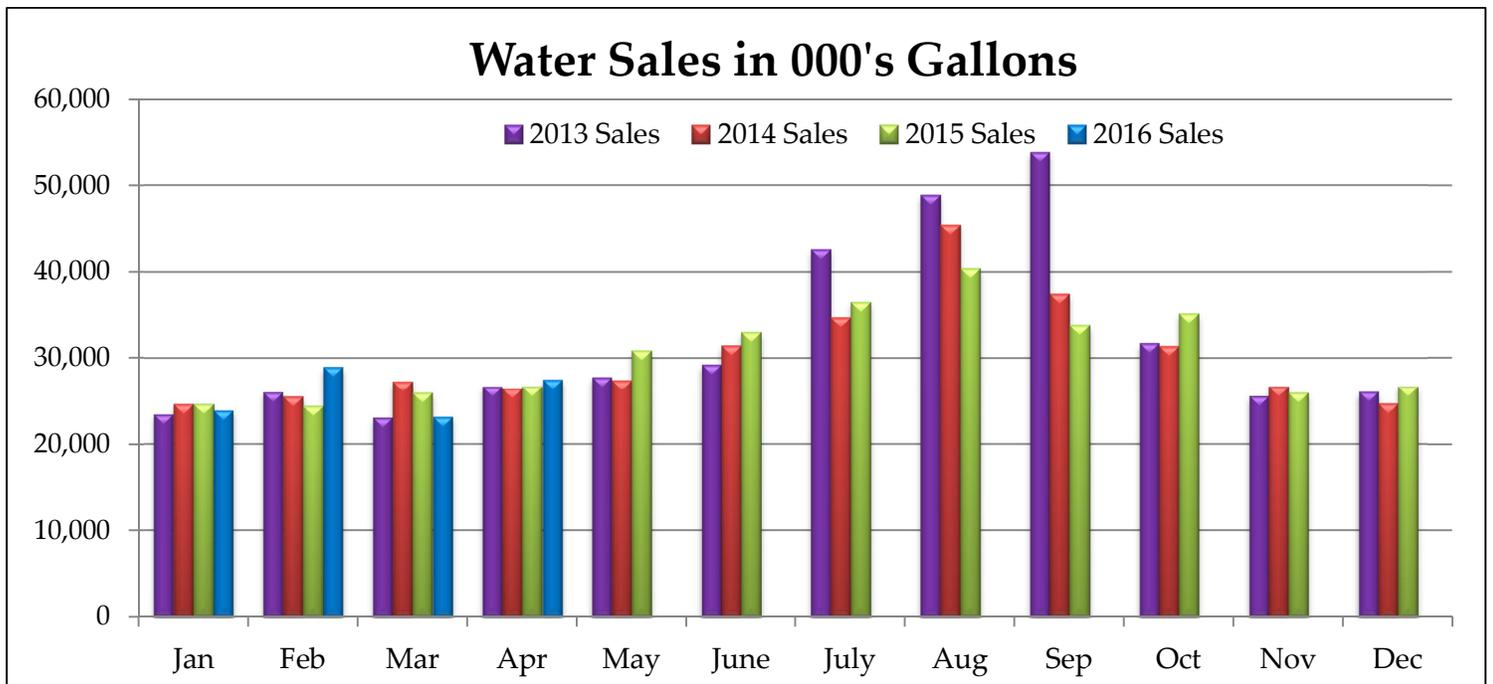
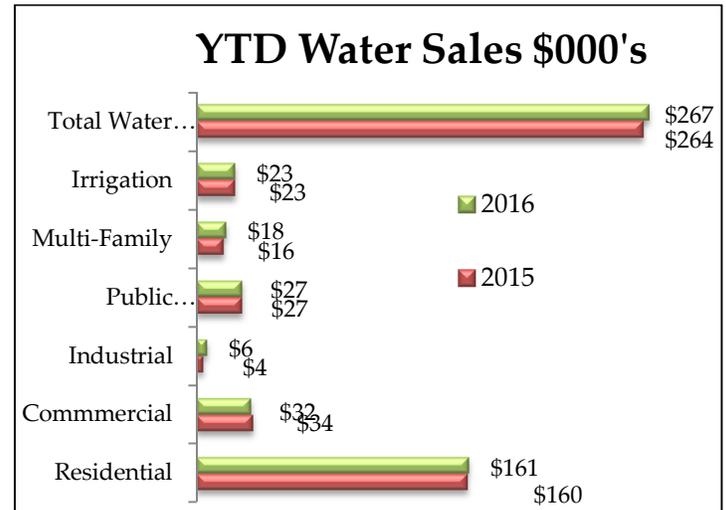
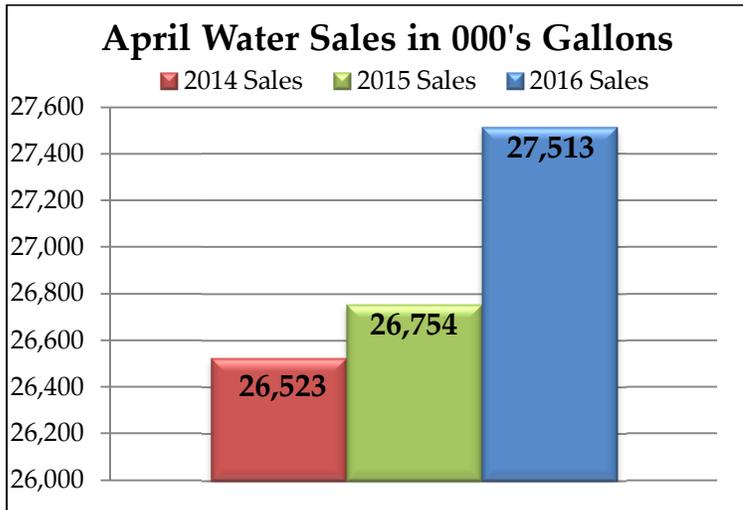


## Water Dashboard



For April 2016

### Water Sales



*Providing a safe and reliable supply of high quality water to the River Falls community we serve.*

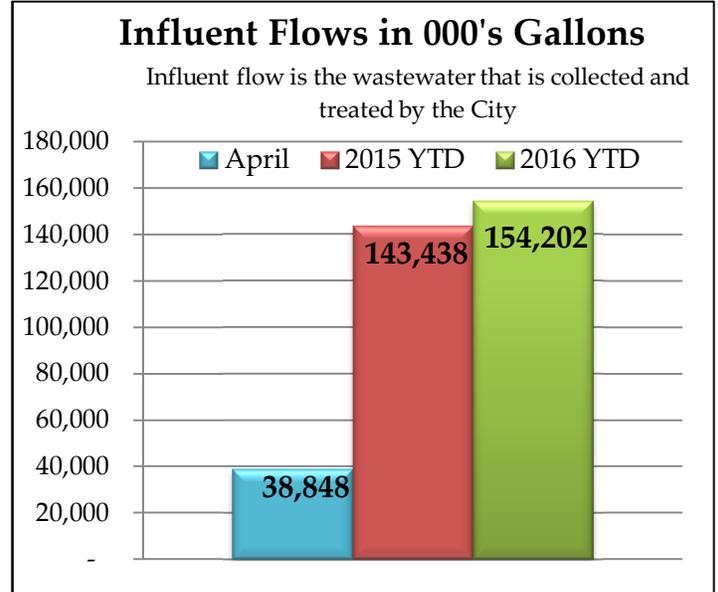
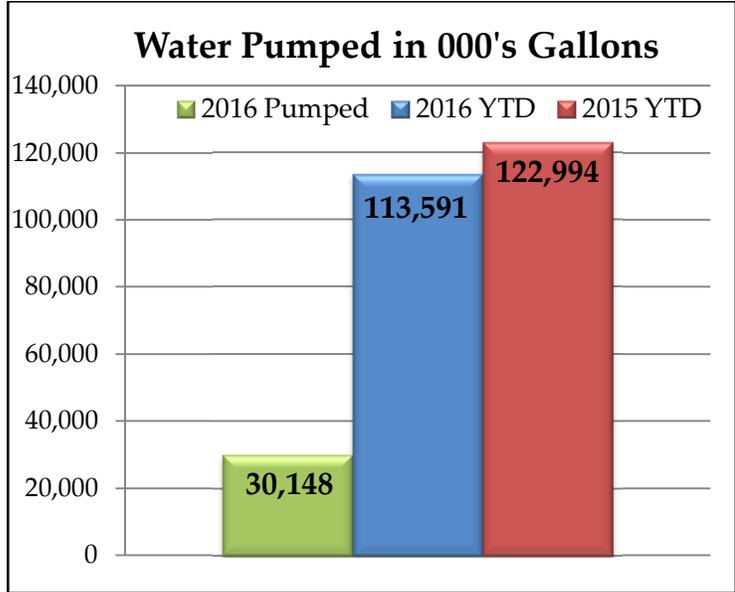
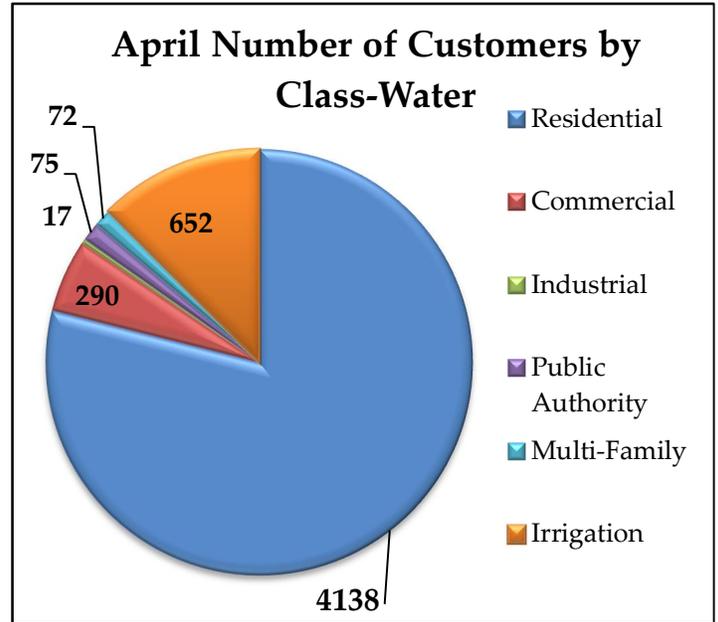
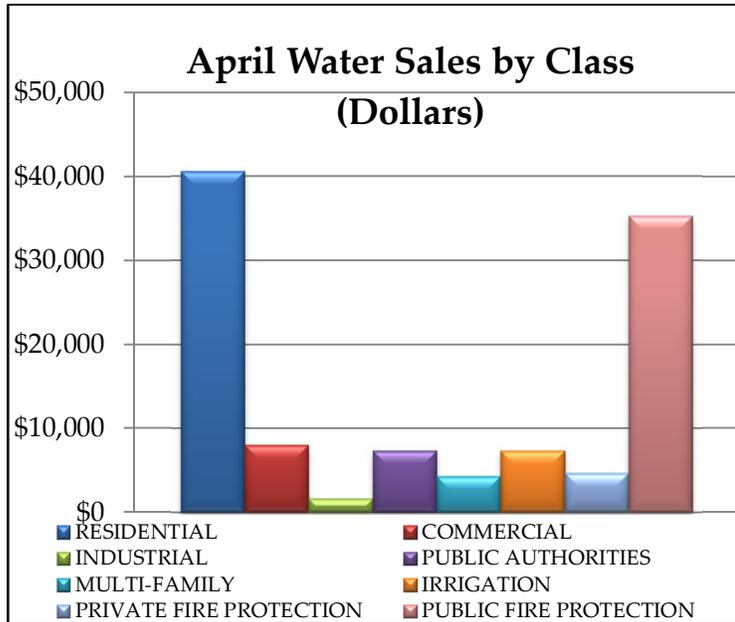
# River Falls Municipal Utility



## Water Dashboard



For April 2016



Used as a comparison between water pumped versus water treated.

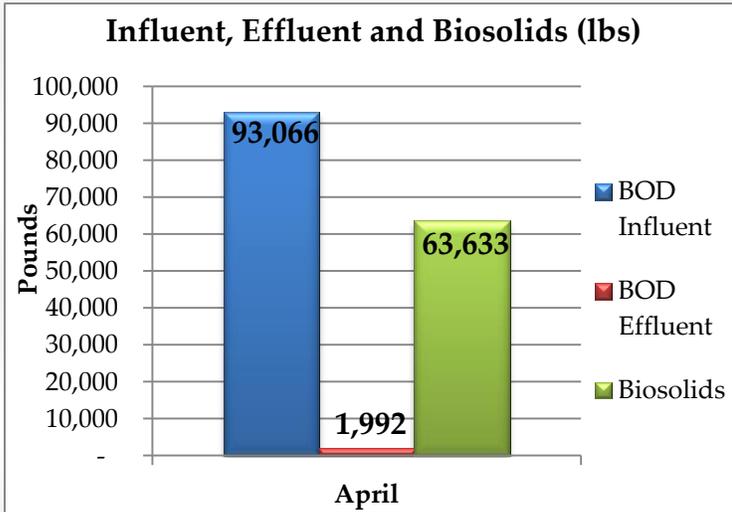


For more information please contact: Kevin Westhuis  
 (715) 426-3442 or [kwesthuis@rfcity.org](mailto:kwesthuis@rfcity.org)

# River Falls Municipal Utilities Waste Water Treatment Plant

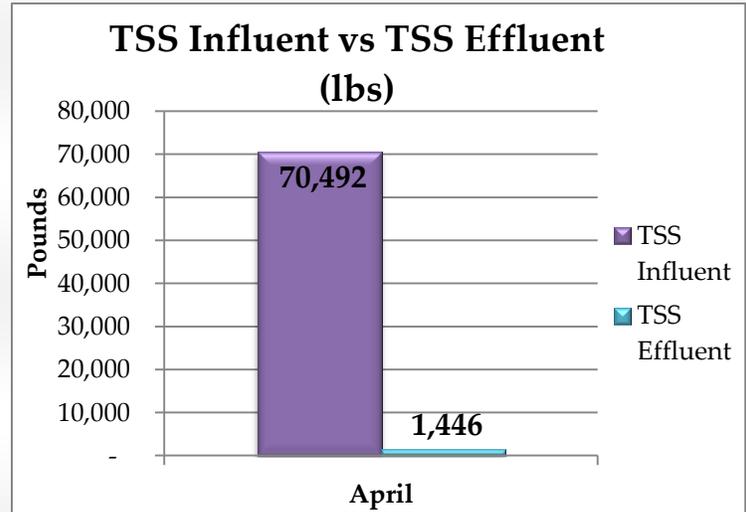
For April 2016

## Influent, Effluent and Biosolids (lbs.)



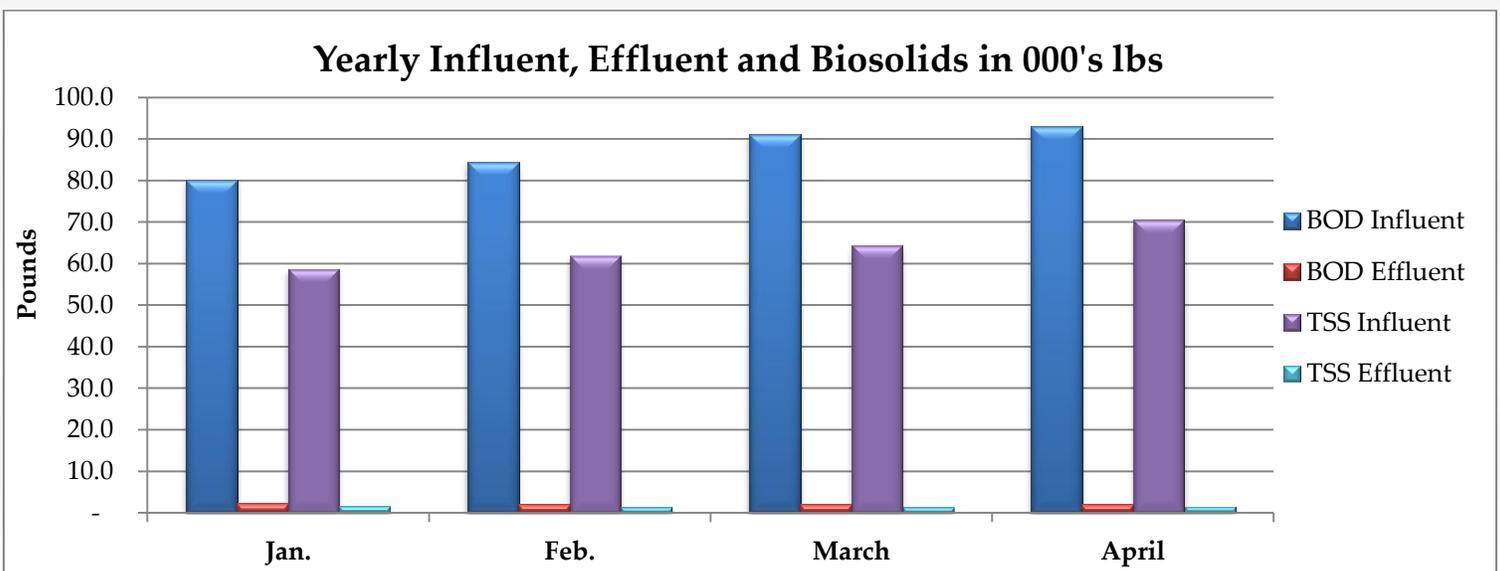
The Biochemical Oxygen Demand (BOD) Influent and BOD Effluent pounds represent pounds of oxygen needed for treatment.

## TSS Influent vs TSS Effluent (lbs)



The TSS Influent and TSS Effluent represent the pounds of Total Suspended Solids entering the Waste Water Treatment Plant versus going out into the Kinnickinnic River.

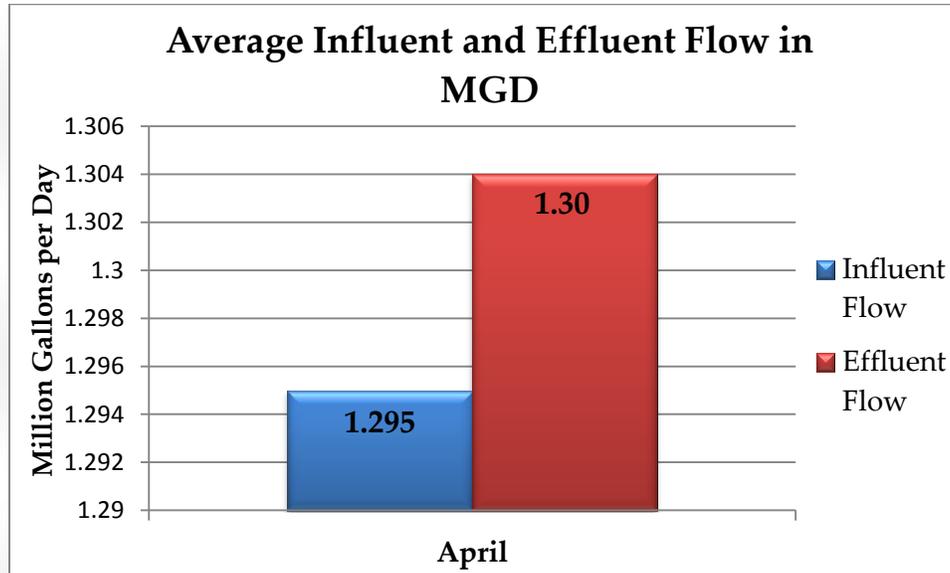
## Yearly BOD and TSS Influent and Effluent (in 000's lbs.)



This graph represents the average monthly pounds of both BOD and TSS coming into the plant and being discharged at the plant's outfall into the Kinnickinnic River for the year 2016.

# River Falls Municipal Utilities Waste Water Treatment Plant

## Average Influent and Effluent Flow in MGD



This graph represents the average daily flow into the treatment plant as well as the average daily flow discharged into the Kinnickinnic River. The design flow for the Treatment plant is 1.8 million gallons per day (MGD).

## WWTP Facts

### Vocabulary:

**BOD:** Biochemical Oxygen Demand represents pounds of oxygen needed for treatment.

**EFFLUENT:** Water and waste flowing out of the Waste Water Treatment Plant.

**INFILTRATION:** to pass into or through (a substance) by filtering or permeating. Infiltration numbers are self-induced and not leak related.

**INFLUENT:** Water and waste flowing into the Waste Water Treatment Plant.

**TSS:** Total Suspended Solids are solid materials, including organic and inorganic, that are suspended in the water and have to be removed.

### Did You Know....

- Excess bacteria removed from the Treatment Plant is called Bio-Solids which can be land spread or treated more to become a fertilizer or soil conditioner.

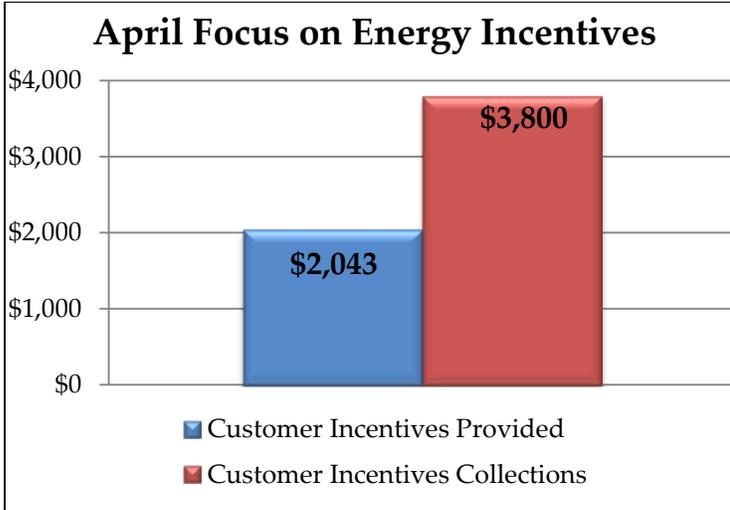


For more information please contact: Bill Swenson  
(715) 426-3531 or [wswenson@rfcity.org](mailto:wswenson@rfcity.org)

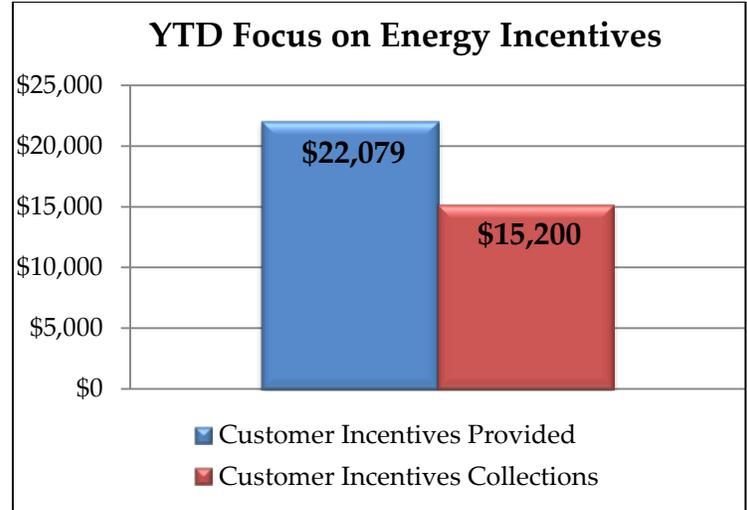
# POWERful Choices! Dashboard

For April 2016

## Focus on Energy Program

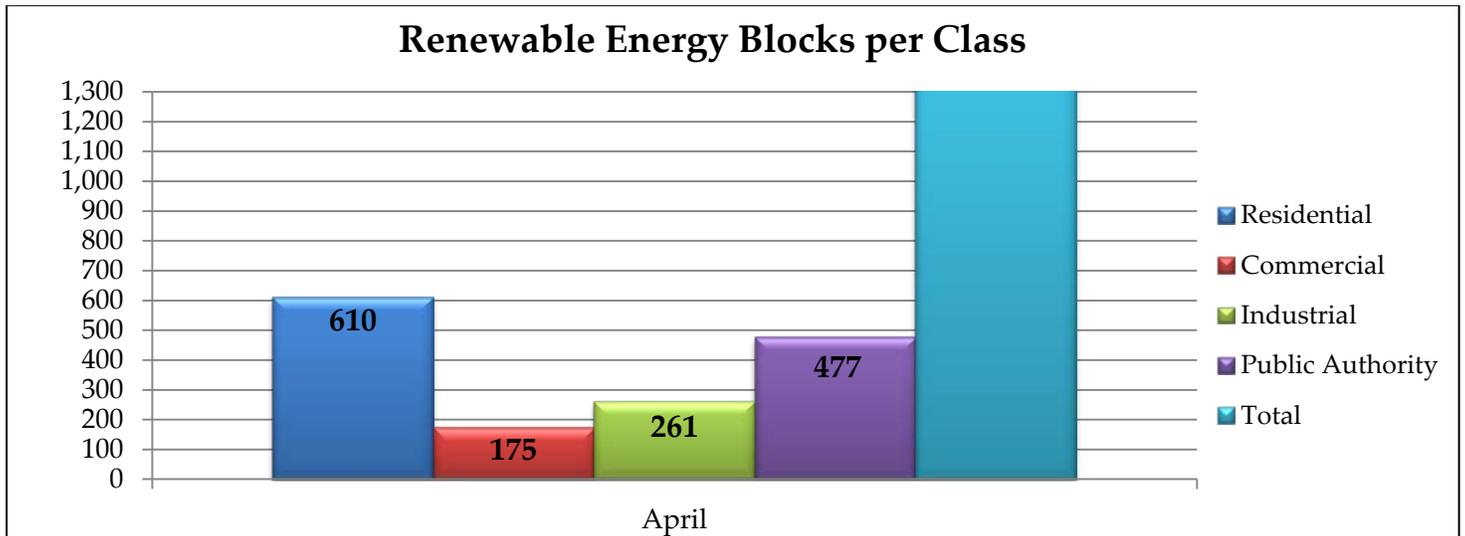


The total customer incentives provided for January compared to the customer incentives collections from Focus on Energy.



The year-to date customer incentives provided compared to the customer incentives collections from Focus on Energy.

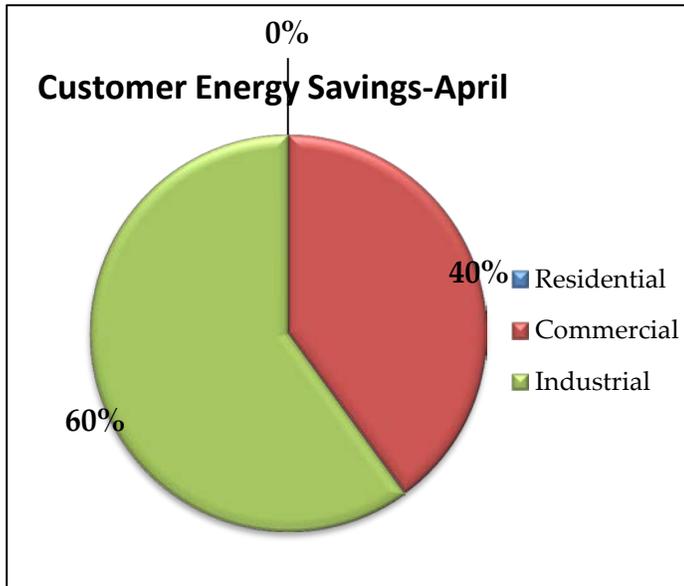
## Renewable Energy Blocks



River Falls currently ranks 10<sup>th</sup> in the nation for customer participation and 2<sup>nd</sup> in Wisconsin. The 2015 goal is for River Falls to become first in the state. Renewable energy blocks are sold at \$3 for 300kWh of renewable energy. The goal is to reach 10 percent customer participation by December 2015.

# POWERful Choices! Dashboard

## Energy Savings



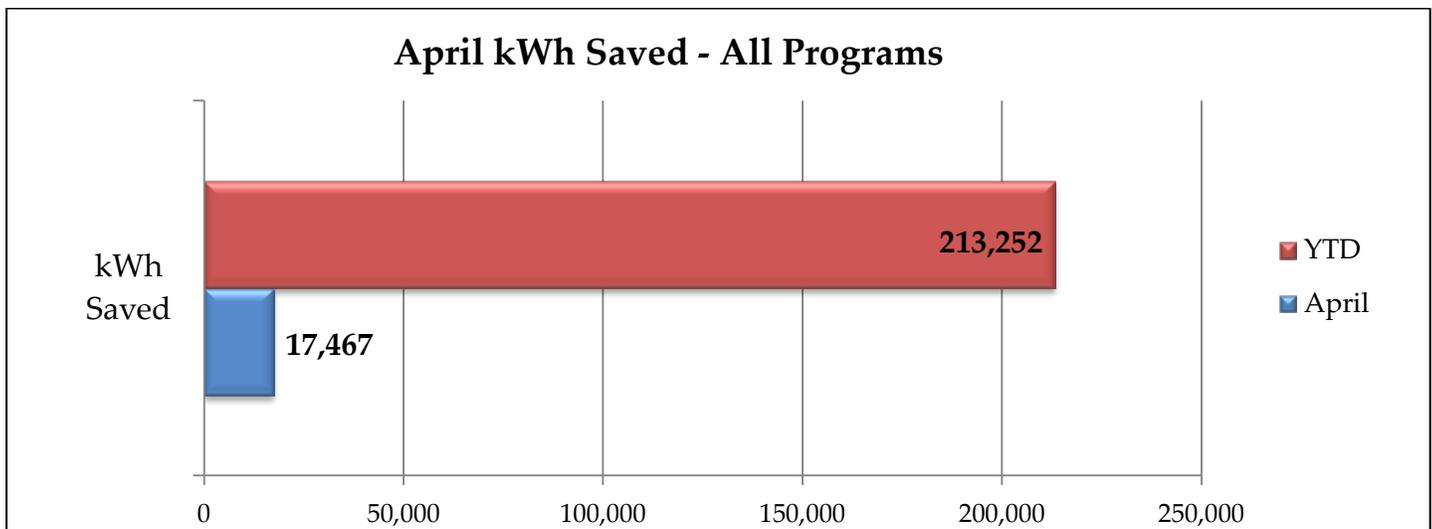
Monthly cumulative percentage of kilowatt hours saved per customer sector.

## Street Light Conversion Program



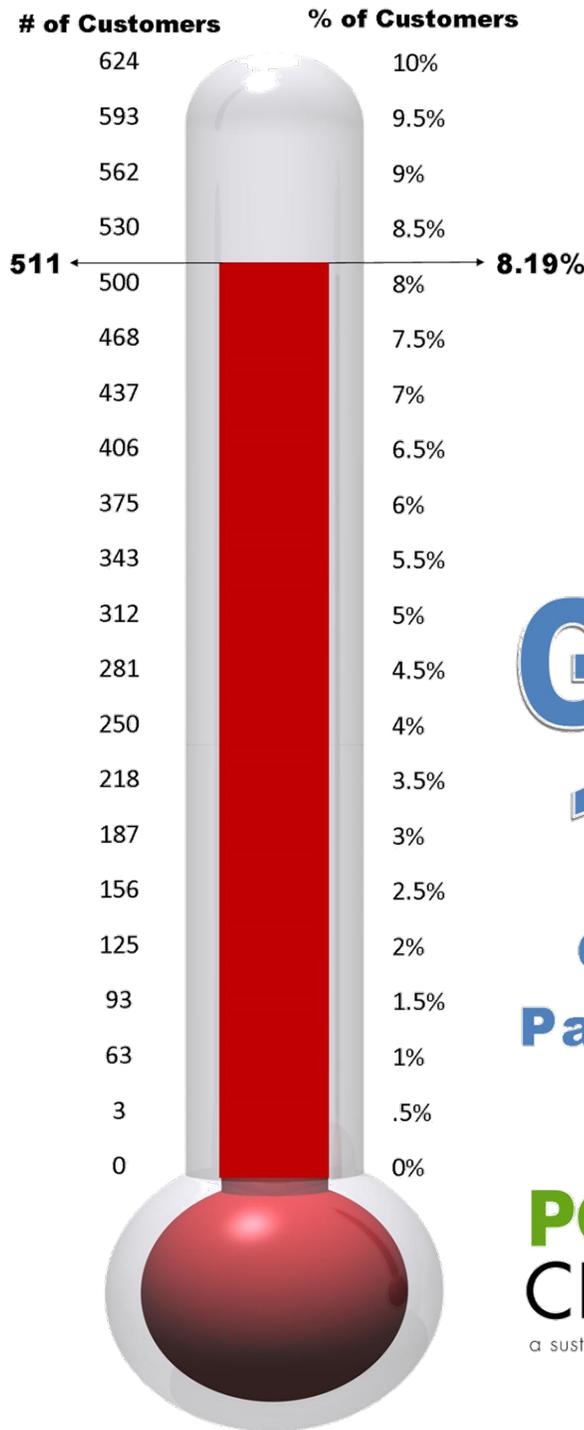
This change is another example of our City leading by example in energy efficiency and environmental stewardship. The goal is to have 70 percent of the street lights converted to LED by 2018.

## kWh Saved



Energy savings resulting from programs such as upgrades to lighting, motors, HVAC, variable frequency drives, and refrigeration. All customer sectors are included.

# POWERful Choices! Dashboard



**GOAL**  
**10%**  
**Customer**  
**Participation**

**POWERFUL**  
**CHOICES**   
a sustainable energy project for river falls

River Falls currently ranks 10<sup>th</sup> in the nation for customer participation and 2<sup>nd</sup> in Wisconsin. The 2016 goal is for River Falls to become first in the state. The current level of customer participation in Renewable Energy Blocks is 8.17 percent. The goal is to reach 10 percent customer participation.



# River Falls Municipal Utilities Monthly Report

April 2016

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## ELECTRIC

- Maintenance repairs performed. This is maintenance work found through our required system inspections.
- Substation monthly inspections complete.
- Underground services continue on a weekly basis
- Replacing street lights with LED fixtures. Repaired the ones we could replace with bulbs and photo eyes.
- Meter readings continue monthly.
- Hydro's are checked daily.
- Completed our 600 amp inspections through the city.
- Tree trimmers have completed their trimming; but they have to come back and finish up with grinding of tree stumps.
- Started capacitor bank inspections.
- An Outage occurred from a cutout failing (broke apart) in the Riverwalk area. A cutout is what holds a fuse in and helps protect equipment. Since the outage, we have completed inspections on these cutouts that were installed in the same time frame as the one that failed and have found a few more that are failing. Replacements are being made on the ones we see through inspections to help prevent any more unplanned outages for customers.
- Confine Space Training this month.
- Disconnects have started this month, and will continue throughout the summer and fall.
- Two of the Lineman went to Shakopee for substation training.



## RIVER FALLS WASTE WATER TREATMENT FACILITY

- Cleaned north finals tank.
- Pumped down main lift station to remove excess grease and grit in the wet well.
- Complete cleanup of junk pile where new sludge handling building is being built.
- Cleaned south finals tank and started to prep disinfection equipment.
- Afternoon tour with Ellsworth High School students.
- Sent quarterly TKN sample out for analysis on April 18<sup>th</sup>.
- On April 20<sup>th</sup> the main lift pump #2 tripped out on high current. Pulled pump apart and cleaned rags out from between ware plate and impeller.
- Worked on replacing existing dishwasher in lab with a new unit and relocated the unit to provide more counter space.
- Excavating began on April 25<sup>th</sup> with the new sludge storage handling facility.



- Started disinfection of equipment for proper operation and dosing adjustments. We are required to chlorinate our effluent from May 1<sup>st</sup> through October 1<sup>st</sup>.



## WATER/SEWER

- All cross connection inspections for 2015 are now in compliance per DNR code.
- All samples taken this month (April) have been safe.
- Started exercising gate valves in the city per DNR requirements. It is proving more time consuming than expected. We are required to do 600 each year for the next three years.
- We are mid-stream for irrigation systems being turned on and installing meters, two thirds are done now.
- LNT Company will be starting in mid-May cleaning sanitary sewer lines and televising any needed areas. LNT has done a great job for us in the past.
- Seasonal help will start mid-May (an internship from a water/wastewater school).
- A customer's service line on East Maple Street was replaced because of a leak. The City's end of the service was old galvanized, so it was replaced and also found a lead gooseneck at the main that was replaced as usual.
- Construction concerns with all the vehicles at the Sycamore Water Tower were dealt with by barricades and no parking signs. This seems to be working well. Most of the cell phone equipment is now off the tower and on temporary poles.
- On Thursday April 21 Luke, Water Works Operator turned the chemical feed pump to hand so he could make an adjustment. He left the well without turning the pump back to auto. As a result the pump continued to feed fluoride for the next 24 hours. He realized his mistake as he was checking wells on April 22<sup>nd</sup>, and the pump was immediately turned off. He contacted Don Hill, Water Works Operator and Ron Groth, Waste Water/Water Superintendent. Ron went to the well and Don was already on-site isolating the tower. Ron had the operators grab samples from the area surrounding the well. When the samples were analyzed, one of the 12 samples exceeded the maximum containment level of 4.0 mg/l it was 6.52 mg/l. Staff began flushing the main in the location of the high sample at the same time they began to empty the water tower located by the well. After flushing the main for about one-half hour they resampled the level had dropped to 2.0 mg/l. The water tower was refilled with fresh water while not adding any Fluoride. The tower was then opened to the system. To prevent it from occurring in the future the operators have been instructed not to run the chemical feed pumps on hand. We are in the process of redoing the control so the chemical feed pumps will only run if the well is running.

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## **ENGINEERING TECH WORK**

- Two plan reviews (Phase II Sterling Ponds and TW Vending).
- Nine new home lateral inspections.
- One home water service repair (including the City's street portion).
- Finished March LED street light mapping.
- Hearing testing at UW-River Falls.
- Confined Entry training.
- Trial work with ArcGIS online.
- 2016 Sanitary Lining contract documents signed and sent to Insituform and set up pre-construction meeting.
- Continue work on 2016 Sanitary Manhole project and documents.
- Cut-out/fuse data for Wayne (due to cut-out failures).
- Finalize updated water model with Ron, Greg, and SEH.



## CONSERVATION AND EFFICIENCY

- American Public Power Association
  - River Falls Municipal Utilities (RFMU) earned the 2016 Award of Continued Excellence (ACE) from the American Public Power Association's (APPA) Demonstration of Energy & Efficiency Developments (DEED) program
  - A single award is given each year for all of the APPA members
  - RFMU won the award for the programs developed and implemented by POWERful Choices!
  - Kevin Westhuis, Mike Noreen and Keri Schreiner attended the APPA conference in Minneapolis on April 4<sup>th</sup> to accept the award
- Community Solar
  - Continuing to sell shares to the community
  - Currently 181 panels under contract
- Research
  - Received \$4,000 research grant from American Public Power Association (APPA) to fund a UW-River Falls research project
  - Research title: *Establishment of Pollinator Friendly Vegetation Under Solar Panels in a Community Solar Garden*
  - Research project will began in April and is a 3 year project
  - Through POWERful Choices! \$12,000 in research grants have been awarded through APPA to the UW-River Falls in the past 4 years
- Green Block Program
  - The percentage green power of total electric use in River Fall is at 15%
  - 15% ranks River Falls 25<sup>th</sup> in the nation
  - Our ranking of 25<sup>th</sup> did not change from 2014
- Business Customers
  - Working closely with trade allies and designers to ensure they meet Focus on Energy thresholds, thus maximizing State and Local incentives
  - Seeing significant increase in participation from Commercial and Industrial customers in 2016
- Schools
  - Student intern Hunter Henk continues to do an outstanding job with the Blue bike program. Began job shadowing other departments in April
  - Worked with High School students on community outreach project
  - Revised Energy Education curriculum to help the RFSD meet the stands for the state program: *Green and healthy Schools*
- Income eligibility programs
  - The number of people requesting bill pay assistance is down from previous months and years
  - Weatherization program for income eligible homeowners began in April
- Blue Bike program
  - The free bike-share program was launched on April 22

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- Excellent turnout of approximately 50 people when for the inaugural ride to all four blue bike stations
  - The City of River Falls received very good press for the program
  - Utility Box Beautification project
    - The artwork has been selected and artists notified
    - The 4 sites include utility boxes in front of: The safe house, Kwik Trip on the North Main St. in front of Copper Kettle on and the UW-River Falls campus
  - Committees
    - WPPI Energy – Energy Services Advisory Committee
    - Forward Foundation
    - POWERful Choices!
    - Blue Bike Program
    - Green Teams
    - UW-River Falls Sustainability Working Group
    - UW-River Falls Energy Management Team



**For March 1, 2016 – March 31, 2016**

Move in applications = 101  
New Access My Account = 36  
Disconnected Services = 0  
Reconnected Services = 1

As of 4-29-16 we had a total of 6680 Active utility Accounts.

**Explanation**

**Move in applications** - Customers that came into the office to sign up for service or submitted an online application. This information also would include new construction, customers new to River Falls, and customers moving within town. Anytime we need the meters read to end one account and begin a new account.

**Access My Account** – This is customers logging into the utilities E-Care for the first time. E-Care is an online utility dashboard where the customers can access their individual utility account to view information and make payments.

**Disconnected** – These are the number of services (electric or water) disconnected for non-payment and or properties in foreclosure with outstanding balances.

**Reconnected** – These are the number of services (electric or water) reconnected. Customers have paid, landlords have taken over, or new owner on foreclosed properties.