



**CITY OF RIVER FALLS WISCONSIN
UTILITY ADVISORY BOARD AGENDA
CITY HALL – COUNCIL CHAMBERS
June 20, 2016**

Call Meeting to Order: 6:30 p.m.

Roll Call

Approval of Minutes: May 16, 2016 and June 6, 2016 Special Meeting

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 – 05-17-16

NEW BUSINESS

2. 2015 Compliance Maintenance Annual Report (CMAR)
3. Proposed CIP
4. Election of UAB Officers (President and Secretary)

REPORTS:

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

ANNOUNCEMENTS:

ADJOURNMENT:

*Council members may be in attendance for informational purposes only.
No official Council action will be taken.*

Post: City Hall Bulletin Board 06-10-16 : 06-15-16

**REGULAR MEETING
RIVER FALLS UTILITY ADVISORY BOARD
May 16, 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: Kevin Swanson, Patrick Richter, Tim Thum, Grant Hanson, Duane Pederson, and Adam Myszewski. Absent: Diane Odeen. Staff present: Kevin Westhuis, Utility Director; Kristi Hartmon, Administrative Assistant; Julie Bergstrom, Finance Director; Ray French, Management Analyst; Ron Groth, Water/Waste Water Superintendent.

M/S Pederson/Myszewski to approve minutes of the April 18, 2016 Regular Meeting. Motion Carried.

PUBLIC COMMENTS:

Utility Director Kevin Westhuis welcomed and introduced two new Utility Advisory Board Members Kevin Swanson and Patrick Richter appointed by Mayor Toland.

CONSENT AGENDA:

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

M/S Thum/Myszewski to approve Consent Agenda. Motion Carried.

NEW BUSINESS:

2. Consumer Confidence Report (CCR) was included in the packets and showed the water quality in the City of River Falls meets all state and federal standards. Utility Director Westhuis noted that there was one incident last month on April 21st at well #4 an employee inadvertently left a fluoride pump on for 24 hours before it was discovered. It was corrected on the morning of April 22nd. Twelve tests conducted and one initial sample did come back that indicated our water quality surpassed the Maximum Contaminant Level for fluoride. The level was 6.52 parts per million. A subsequent test at this same location resulted in a fluoride level of 2.0 parts per million. This is a level in compliance with DNR regulations. Residents were notified immediately in person and by letter left at their residence by Kevin Westhuis and Ron Groth. This was on a dead end street about a block from well #4. Corrections have been made so this will not happen again with the manual fluoride injection at that well. Board Member Hanson asked what the solution was to not have this happen again. Water Superintendent Groth explained on the chemical feed pump there is a switch that could be run manually independent of the well pump operating. Staff is removing the hand feature so the only way to have those hand chemical feed pumps to run is with the well pump actually running.

Board Member Hanson asked about lead pipes in the system and is there any way of controlling them with short of replacing all the pipes. Westhuis stated River Falls is fortunate that they are (after talking to senior water operators) not aware of any lead pipes in the system. There are a few (10 to 20) lead goosenecks in our system that may feed a service. Testing is low for lead in River Falls.

3. Ordinance Amending the Municipal Code Regarding Utilities. Management Analyst Ray French reported on the proposed updates to this Ordinance. After going through the code and after the Utility and City were reorganized in 2012, there were several outdated references to the utility administrator/general manager and utilities commission that are no longer applicable. Hanson commented that this is bringing everything up-to-date because the old language that is no longer appropriate. French confirmed that was correct.

REPORTS:

4. Finance Report: Finance Director Bergstrom gave a brief overview of the finance report for April. Bergstrom gave a couple of highlights. The electric sales revenue is down as well as the power bill with net income of \$188,906. The sewer fund had a positive balance and some of that is because of the reduction of the cost of the biosolids facility (paid off debt last year). The water fund is negative year-to-date and rate increases are to be expected to take effect July 1. Bergstrom expects water to turn around by the end of the year with the new rates.

The auditors are done and have a draft audit. Staff was able to review the costs for the hydro operation. They calculate how much the hydro system provides the city in revenue and how much it is costing the city. At the end of 2015 the net revenues for that operation was at about \$56,000.

5. Utility Dashboards for, Electric, Water, Waste water and Powerful Choices were included in the UAB Packets. These dashboards are also located on the City website at www.rfcity.org. Discussion on Renewable Energy Green Block sales and that RFMU is 5th in the nation and 2nd in the State for customer participation. The goal of the city is to have 10 percent of customers participate in the \$3/mo. green block program.
6. Monthly Utility Report was included in the UAB packets for review. Westhuis stated that progress is being made with the construction at the Wastewater Treatment Plant. Board Member Thum asked how the work was progressing on the water tower painting. Westhuis stated that all the telecoms have been relocated off the tower, finishing up welding, and then painting company will come in late June. There are a couple of interns that started in the water and wastewater departments for the summer. River Falls Municipal Utilities earned the 2016 Award of Continued Excellence from the American Public Power Association's (APPA) Demonstration of Energy and Efficiency Developments (DEED) program.

Utility Director Westhuis presented Wayne Beebe a plaque for his 15 years of dedication and serving as a Utility Advisory Board member from April 2001 to April 2016.

Westhuis asked for a special meeting on June 6th for agenda item on directional boring along Radio Road. Electric Superintendent Siverling would like to get started with the project as soon as possible and would like it to get to City Council by their next meeting.

ADJOURNMENT:

M/S Pederson/Myszewski moved to adjourn at 7:12 p.m. Unanimous.

**SPECIAL MEETING
RIVER FALLS UTILITY ADVISORY BOARD**

June 6, 2016 6:30 p.m.

Training Room, City Hall

The Special Meeting of the River Falls Utility Advisory Board was called to order by President Hanson at 6:30 p.m. Present: Kevin Swanson, Patrick Richter, Tim Thum, Grant Hanson, Duane Pederson, and Adam Myszewski. Absent: Diane Odeen. Staff present: Kevin Westhuis, Utility Director; Kristi Hartmon, Administrative Assistant; Wayne Siverling, Electric Superintendent. Other present: Mayor Dan Toland, Council Member Chris Gagne, and Council Member Scott Morrissette.

NEW BUSINESS:

1. Review of Pioneer Metal River Falls Industrial Discharge Permit

Utility Director Westhuis stated that there is no action needed on this item, but wanted to inform the board about the steps that have been taken regarding a wastewater discharge permit with the proposed business, Pioneer Metal Finishing (a metal finishing company that puts coatings on metals for durability). Pioneer is looking at relocating from their Minneapolis facility to River Falls. Discussions were had on the metals in wastewater and how they are heavily regulated by federal standards and the Wisconsin Department of Natural Resources. The Wastewater Treatment Facility is granted a 5 year permit by the DNR that clearly defines metal limits in the water discharge into the Kinnickinnic River as well as the sludge end product. Staff has had several meetings with Pioneer. Samples provided by Pioneer were too high for RFMU to accept in order for them to stay within their permit and to protect the River. Pioneer would need to meet permit levels with investment in pre-treatment processes. RFMU would have 24 hour access to their facility for testing and fines for non-compliance, including shutting down operations. RFMU has invested many hours and consultant resources into studying and clarifying what will be acceptable effluent limits for the City. Pioneer has not committed to the proposed permit as of today. RFMU has made it very clear on the acceptable levels of discharge for Pioneer. Council Member Gagne referenced section 4.8 in the agreement regarding reporting any operation changes or practices which differ from those in the original permit application and stated that he would like to see it say before or prior to. UAB Member Pederson asked why Pioneer is so eager to move their facility to River Falls. Westhuis stated that River Falls can accommodate their flow. Pederson stated that what if in five years the DNR tightens their requirements. Westhuis stated that Pioneer would have a one year permit only. UAB Member Swanson asked who does the testing. The testing is done weekly by a contracted lab of their choice. City also has option to test 24 hours anytime at their expense. UAB Member Thum asked if this pre-treatment is standard technology or something they need to come up with. Westhuis stated there are systems to do this process, but they are expensive. It's like building a mini WWTP in their business. Great discussions were had and staff will wait for a decision from Pioneer and if they decide they want to come to River Falls, it would ultimately be the decision of City Council.

RESOLUTION:

2. Recommendation of Bid Award for Directional Boring – Radio Road

Staff is asking Utility Advisory Board to recommend resolution no. 2016-09 awarding the bid for Directional Boring Project to Universal Services, Inc. RFMU has done evaluations and has targeted areas of the City for installation of electrical and fiber optics using directional boring. The sections include 6,900 ft. along Radio Road and 1,100 ft. between Maple and Division Street for utility needs for future projects and gained efficiencies. Four bids were received (ranging from \$129,700 to \$174,600) and staff feels comfortable with the low bidder, Universal Services. They have been in operation since 1998 and are located in Hastings, Minnesota. Thum asked if this will give capability of extending fiber and is this for actual boring work only. Westhuis answered that it is just for the boring and the City will get better pricing on conduit themselves. Board Member Swanson had service territory boundary questions on Mann Valley. Westhuis stated that Mann Valley is not annexed to the city yet. M/S Pederson/Thum moved approval of resolution no. 2016-09.

ADJOURNMENT:

M/S Pederson/Myszewski moved to adjourn at 7:28 p.m. Unanimous.

Reported by: Kristi Hartmon, Administrative Assistant

West Central Biosolids Facility

Commission Meeting Minutes

May 17th minutes

Gary Newton called the meeting to order at 8:35 am.

Board members present: Gary Newton, Greg Engest, John Bond, Kevin Westhuis, and Steve Skinner.

Other present: Joe Beaudry, Pete Skorseth, and Rich Bignell

Consent Agenda:

Motion was made to approve April bills totaling \$285,407.01. M/S Greg/John

Motion was made to approve the April 19th meeting minutes. M/S Greg/Kevin

Facility Report:

Pete Skorseth had been down and did a facilities inspection for permit renewal. One of things that was noted to fix is the need to prevent leecha from seeping out of building. Randy is looking into get it resolved. Pete was pleasure with how the facility is maintained and operated.

Gallons and pounds year to date: total gallons are up 0.2%, and year to date pounds are up 2.6%. Process feed Solids = 2.30%. GPD processed 85,000 gallons

Dry tons processed per Hour = 1 ton per hour and 4.67 wet tons per hour.

Polymer dosage of 26.81 pounds of polymer per dry ton

Equipment Issues

Receiving and Storage

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

- Two of the four sump pumps in basement are going bad, there is new one in stock. Second pump has been ordered.
- Tank hatch covers were in need of repair / replacement, Dave Braun installed new hinges.

Mixing Pumps,

- No known issues

Feed Pumps

- Rotary lobe feed pumps are showing signs of wear. They will need to be rebuild in the near future.

Centrifuges

- Alfa is able to run in a manual mode using old computer system in case of emergency while the new Alfa program is being built. Alfa portion of the SCADA project scheduled the week of April 18th

Polymer Systems

- Continuing to work on the second polymer system. Work should be complete by the end of Alfa phase of SCADA Project

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 the next service. Ordered new gear box and motor, will install by Biosolid staff when it arrives.

Silos

- No issues with silos

Air Compressor

- No known issues,

Loader

- No issues

Odor Control

- Still working on getting large air scrubber working properly. Hach controller and pH probe were found to be malfunctioning. Both replaced but still not getting correct data back to Scada for proper operation.
- East and West Bio filters are showing signs of deterioration. The larger wood mulch shavings are degrading into a much finer material. Will do smoke test but will need to address soon. Odor control permanganate project is almost done.

Building Grounds

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

Old Business:

Scada project is in the second phase and is about complete. Scada project has gone well.

Carusol odor control pilot was run for about three weeks. That is when the purchased product ran out. Randy said that he believed the product seemed to work in reducing the facilities odor. The board made the motion to purchase two more containers of chemical to run pilot for two more months or until chemical runs out. M/S Steve/Kevin

New Business:

Most of the end product has been hauled out but not all. There was discussion for future ideas on how to get all of the end product hauled out two times a year. No real solution were found at this time.

Adjournment:

Motion was made to adjourn meeting at 10:00 am. M/S John/Steve



MEMORANDUM

To: Utility Advisory Board

From: Kevin Westhuis, Utility Director

Date: June 20, 2016

Re: **2015 Compliance Maintenance Annual Report**

INTRODUCTION

This memorandum provides the Utility Advisory Board with the details of the 2015 Compliance Maintenance Annual Report.

BACKGROUND

The Compliance Maintenance Annual Report (CMAR) has been an annual self-evaluation reporting requirement for publicly and privately owned domestic wastewater treatment works since 1987. Annual submittal of an electronic CMAR form no later than June 30 is required under Wisconsin Administrative Code NR 208 – Compliance Maintenance.

The purpose of this report is to evaluate the wastewater treatment system for problems or deficiencies and identify proposed actions to prevent violations of discharge permits and water quality degradation. This report is also a communication tool for identifying needs for future planning. It describes the management and physical condition of the wastewater treatment works during the previous calendar year, assesses system performance and requirements, provides an objective analysis to determine whether a more detailed evaluation of the wastewater facility is needed, and identifies proposed action necessary to maintain regulatory compliance.

DISCUSSION

Enclosed for your review is the CMAR for 2015. The Department of Natural Resources (DNR) has weighted factors so overall scores are not skewed by individual factors, such as plant age. The point calculation on the report indicates that our facility is in the voluntary range and has been so consistently. The grade of "A" requires a total score of 91-100 points. The chart on page 26 (second to the last page of the report) includes Table 1 of state code NR 208.05, showing the point and grading system for the CMAR. This score is a positive reflection on the effects of our

Memorandum to Utility Advisory Board

June 20, 2016

Page 2

wastewater treatment plant crew and our water/sewer operations. Their commitment to maintaining a quality system is greatly appreciated.

CONCLUSION

It is requested by staff that the Advisory Board approve the attached resolution requesting the City Council approve the 2015 CMAR and authorization to submit the CMAR to the DNR. The City Council will review this report at their June 28, 2016 meeting.

Compliance Maintenance Annual Report

River Falls Municipal Utility Wwtf

Last Updated: Reporting For:
5/31/2016 2015

Influent Flow and Loading

1. Monthly Average Flows and (C)BOD Loadings

1.1 Verify the following monthly flows and (C)BOD loadings to your facility.

Outfall No. 701	Influent Monthly Average Flow, MGD	x	Influent Monthly Average (C)BOD Concentration mg/L	x	8.34	=	Influent Monthly Average (C)BOD Loading, lbs/day
January	1.1813	x	242	x	8.34	=	2,384
February	1.2196	x	253	x	8.34	=	2,573
March	1.1703	x	258	x	8.34	=	2,514
April	1.2128	x	241	x	8.34	=	2,439
May	1.1546	x	246	x	8.34	=	2,373
June	1.1419	x	240	x	8.34	=	2,287
July	1.3628	x	202	x	8.34	=	2,294
August	1.2672	x	202	x	8.34	=	2,140
September	1.3353	x	242	x	8.34	=	2,691
October	1.3036	x	250	x	8.34	=	2,720
November	1.3075	x	240	x	8.34	=	2,616
December	1.3004	x	248	x	8.34	=	2,685

2. Maximum Month Design Flow and Design (C)BOD Loading

2.1 Verify the design flow and loading for your facility.

Design	Design Factor	x	%	=	% of Design
Max Month Design Flow, MGD	1.824	x	90	=	1.6416
		x	100	=	1.824
Design (C)BOD, lbs/day	3152	x	90	=	2836.8
		x	100	=	3152

2.2 Verify the number of times the flow and (C)BOD exceeded 90% or 100% of design, points earned, and score:

	Months of Influent	Number of times flow was greater than 90% of	Number of times flow was greater than 100% of	Number of times (C)BOD was greater than 90% of design	Number of times (C)BOD was greater than 100% of design
January	1	0	0	0	0
February	1	0	0	0	0
March	1	0	0	0	0
April	1	0	0	0	0
May	1	0	0	0	0
June	1	0	0	0	0
July	1	0	0	0	0
August	1	0	0	0	0
September	1	0	0	0	0
October	1	0	0	0	0
November	1	0	0	0	0
December	1	0	0	0	0
Points per each		2	1	3	2
Exceedances		0	0	0	0
Points		0	0	0	0
Total Number of Points					0

0

Compliance Maintenance Annual Report

River Falls Municipal Utility Wwtf

Last Updated: Reporting For:
5/31/2016 2015

3. Flow Meter

3.1 Was the influent flow meter calibrated in the last year?

Yes Enter last calibration date (MM/DD/YYYY)

No

If No, please explain:

4. Sewer Use Ordinance

4.1 Did your community have a sewer use ordinance that limited or prohibited the discharge of excessive conventional pollutants ((C)BOD, SS, or pH) or toxic substances to the sewer from industries, commercial users, hauled waste, or residences?

Yes

No

If No, please explain:

4.2 Was it necessary to enforce the ordinance?

Yes

No

If Yes, please explain:

5. Septage Receiving

5.1 Did you have requests to receive septage at your facility?

Septic Tanks

Holding Tanks

Grease Traps

Yes

Yes

Yes

No

No

No

5.2 Did you receive septage at your facility? If yes, indicate volume in gallons.

Septic Tanks

Yes gallons

No

Holding Tanks

Yes gallons

No

Grease Traps

Yes gallons

No

5.2.1 If yes to any of the above, please explain if plant performance is affected when receiving any of these wastes.

6. Pretreatment

6.1 Did your facility experience operational problems, permit violations, biosolids quality concerns, or hazardous situations in the sewer system or treatment plant that were attributable to commercial or industrial discharges in the last year?

Yes

No

If yes, describe the situation and your community's response.

6.2 Did your facility accept hauled industrial wastes, landfill leachate, etc.?

Yes

Compliance Maintenance Annual Report

River Falls Municipal Utility Wwtf

Last Updated: Reporting For:
5/31/2016 2015

<ul style="list-style-type: none">● No <p>If yes, describe the types of wastes received and any procedures or other restrictions that were in place to protect the facility from the discharge of hauled industrial wastes.</p> <div style="border: 1px solid black; height: 20px; width: 100%;"></div>	
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Total Points Generated	0
Score (100 - Total Points Generated)	100
Section Grade	A

Compliance Maintenance Annual Report

River Falls Municipal Utility Wwtf

Last Updated: Reporting For:
5/31/2016 2015

Effluent Quality and Plant Performance (BOD/CBOD)

1. Effluent (C)BOD Results

1.1 Verify the following monthly average effluent values, exceedances, and points for BOD or CBOD

Outfall No. 001	Monthly Average Limit (mg/L)	90% of Permit Limit > 10 (mg/L)	Effluent Monthly Average (mg/L)	Months of Discharge with a Limit	Permit Limit Exceedance	90% Permit Limit Exceedance
January	30	27	6	1	0	0
February	30	27	6	1	0	0
March	30	27	5	1	0	0
April	30	27	7	1	0	0
May	30	27	6	1	0	0
June	30	27	6	1	0	0
July	30	27	3	1	0	0
August	30	27	2	1	0	0
September	30	27	3	1	0	0
October	30	27	4	1	0	0
November	30	27	4	1	0	0
December	30	27	5	1	0	0

* Equals limit if limit is <= 10

Months of discharge/yr	12		
Points per each exceedance with 12 months of discharge		7	3
Exceedances		0	0
Points		0	0
Total number of points			0

NOTE: For systems that discharge intermittently to state waters, the points per monthly exceedance for this section shall be based upon a multiplication factor of 12 months divided by the number of months of discharge. Example: For a wastewater facility discharging only 6 months of the year, the multiplication factor is $12/6 = 2.0$

1.2 If any violations occurred, what action was taken to regain compliance?

NA

2. Flow Meter Calibration

2.1 Was the effluent flow meter calibrated in the last year?

Yes

Enter last calibration date (MM/DD/YYYY)

4/16/15

No

If No, please explain:

3. Treatment Problems

3.1 What problems, if any, were experienced over the last year that threatened treatment?

NA

4. Other Monitoring and Limits

4.1 At any time in the past year was there an exceedance of a permit limit for any other pollutants such as chlorides, pH, residual chlorine, fecal coliform, or metals?

Yes

No

If Yes, please explain:

Compliance Maintenance Annual Report

River Falls Municipal Utility Wwtf

Last Updated: Reporting For:
5/31/2016 2015

<div data-bbox="121 205 1461 262" style="border: 1px solid black; height: 27px;"></div> <p>4.2 At any time in the past year was there a failure of an effluent acute or chronic whole effluent toxicity (WET) test?</p> <p><input type="radio"/> Yes</p> <p><input checked="" type="radio"/> No</p> <p>If Yes, please explain:</p> <div data-bbox="121 441 1461 493" style="border: 1px solid black; height: 25px;"></div> <p>4.3 If the biomonitoring (WET) test did not pass, were steps taken to identify and/or reduce source(s) of toxicity?</p> <p><input type="radio"/> Yes</p> <p><input type="radio"/> No</p> <p><input checked="" type="radio"/> N/A</p> <p>Please explain unless not applicable:</p> <div data-bbox="121 714 1461 766" style="border: 1px solid black; height: 25px;"></div>

Total Points Generated	0
Score (100 - Total Points Generated)	100
Section Grade	A

Compliance Maintenance Annual Report

River Falls Municipal Utility Wwtf

Last Updated: Reporting For:
5/31/2016 2015

Effluent Quality and Plant Performance (Total Suspended Solids)

1. Effluent Total Suspended Solids Results

1.1 Verify the following monthly average effluent values, exceedances, and points for TSS:

Outfall No. 001	Monthly Average Limit (mg/L)	90% of Permit Limit >10 (mg/L)	Effluent Monthly Average (mg/L)	Months of Discharge with a Limit	Permit Limit Exceedance	90% Permit Limit Exceedance
January	30	27	4	1	0	0
February	30	27	4	1	0	0
March	30	27	4	1	0	0
April	30	27	5	1	0	0
May	30	27	6	1	0	0
June	30	27	7	1	0	0
July	30	27	3	1	0	0
August	30	27	2	1	0	0
September	30	27	3	1	0	0
October	30	27	4	1	0	0
November	30	27	3	1	0	0
December	30	27	4	1	0	0

* Equals limit if limit is <= 10

Months of Discharge/yr	12		
Points per each exceedance with 12 months of discharge:		7	3
Exceedances		0	0
Points		0	0
Total Number of Points			0

NOTE: For systems that discharge intermittently to state waters, the points per monthly exceedance for this section shall be based upon a multiplication factor of 12 months divided by the number of months of discharge.

Example: For a wastewater facility discharging only 6 months of the year, the multiplication factor is $12/6 = 2.0$

1.2 If any violations occurred, what action was taken to regain compliance?

NA

Total Points Generated	0
Score (100 - Total Points Generated)	100
Section Grade	A

Compliance Maintenance Annual Report

River Falls Municipal Utility Wwtf

Last Updated: Reporting For:
5/31/2016 2015

Effluent Quality and Plant Performance (Ammonia - NH3)

1. Effluent Ammonia Results

1.1 Verify the following monthly and weekly average effluent values, exceedances and points for NH3

Outfall No. 001	Monthly Average NH3 Limit (mg/L)	Weekly Average NH3 Limit (mg/L)	Effluent Monthly Average NH3 (mg/L)	Monthly Permit Limit Exceedance	Effluent Weekly Average for Week 1	Effluent Weekly Average for Week 2	Effluent Weekly Average for Week 3	Effluent Weekly Average for Week 4	Weekly Permit Limit Exceedance
January	5.7		.0756	0					
February	5.7		.07983333	0					
March	5.7		.08884615	0					
April	5.7		.10035714	0					
May		2			.06366667	.11166667	.10933333	.096	
June		2			.13233333	.15703333	.124	.07766667	
July		2			.0875	.05766667	.071	.069	
August		2			.05033333	.08966667	.07366667	.05666667	
September		2			.241	.15333333	.09366667	.12933333	
October		2			.07666667	.07333333	.10666667	.25	
November	5.7		.10666667	0					
December	5.7		.05384615	0					
Points per each exceedance of Monthly average:									10
Exceedances, Monthly:									0
Points:									0
Points per each exceedance of weekly average (when there is no monthly average):									2.5
Exceedances, Weekly:									0
Points:									0
Total Number of Points									0

NOTE: Limit exceedances are considered for monthly OR weekly averages but not both. When a monthly average limit exists it will be used to detect exceedances and generate points. This will be true even if a weekly limit also exists. When a weekly average limit exists and a monthly limit does not exist, the weekly limit will be used to detect exceedances and generate points.

1.2 If any violations occurred, what action was taken to regain compliance?

NA

Total Points Generated	0
Score (100 - Total Points Generated)	100
Section Grade	A

Compliance Maintenance Annual Report

River Falls Municipal Utility Wwtf

Last Updated: Reporting For:
5/31/2016 2015

Effluent Quality and Plant Performance (Phosphorus)

1. Effluent Phosphorus Results

1.1 Verify the following monthly average effluent values, exceedances, and points for Phosphorus

Outfall No. 001	Monthly Average phosphorus Limit (mg/L)	Effluent Monthly Average phosphorus (mg/L)	Months of Discharge with a Limit	Permit Limit Exceedance
January	1.5	0.2	1	0
February	1.5	0.2	1	0
March	1.5	0.2	1	0
April	1.5	0.3	1	0
May	1.5	0.5	1	0
June	1.5	0.5	1	0
July	1.5	0.2	1	0
August	1.5	0.2	1	0
September	1.5	0.2	1	0
October	1.5	0.2	1	0
November	1.5	0.1	1	0
December	1.5	0.2	1	0
Months of Discharge/yr			12	
Points per each exceedance with 12 months of discharge:				10
Exceedances				0
Total Number of Points				0

0

NOTE: For systems that discharge intermittently to waters of the state, the points per monthly exceedance for this section shall be based upon a multiplication factor of 12 months divided by the number of months of discharge.

Example: For a wastewater facility discharging only 6 months of the year, the multiplication factor is $12/6 = 2.0$

1.2 If any violations occurred, what action was taken to regain compliance?

NA

Total Points Generated	0
Score (100 - Total Points Generated)	100
Section Grade	A

Compliance Maintenance Annual Report

River Falls Municipal Utility Wwtf

Last Updated: Reporting For:
5/31/2016 2015

Biosolids Quality and Management

1. Biosolids Use/Disposal

1.1 How did you use or dispose of your biosolids? (Check all that apply)

- Land applied under your permit
- Publicly Distributed Exceptional Quality Biosolids
- Hauled to another permitted facility
- Landfilled
- Incinerated
- Other

NOTE: If you did not remove biosolids from your system, please describe your system type such as lagoons, reed beds, recirculating sand filters, etc.

1.1.1 If you checked Other, please describe:

3. Biosolids Metals

Number of biosolids outfalls in your WPDES permit:

3.1 For each outfall tested, verify the biosolids metal quality values for your facility during the last calendar year.

Outfall No. 002 - SLUDGE TO WCWBF

Parameter	80% of Limit	H.Q. Limit	Ceiling Limit	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	80% Value	High Quality	Ceiling
Arsenic		41	75							4.12	4.12						0	0
Cadmium		39	85							2.3	2.3						0	0
Copper		1500	4300							617	617						0	0
Lead		300	840							14.5	14.5						0	0
Mercury		17	57							1.12	1.12						0	0
Molybdenum	60		75							20.6	20.6					0		0
Nickel	336		420							26.2	26.2					0		0
Selenium	80		100							<7.14	<7.14					0		0
Zinc		2800	7500							660	660						0	0

3.1.1 Number of times any of the metals exceeded the high quality limits OR 80% of the limit for molybdenum, nickel, or selenium = 0

Exceedence Points

- 0 (0 Points)
- 1-2 (10 Points)
- > 2 (15 Points)

3.1.2 If you exceeded the high quality limits, did you cumulatively track the metals loading at each land application site? (check applicable box)

- Yes
- No (10 points)
- N/A - Did not exceed limits or no HQ limit applies (0 points)
- N/A - Did not land apply biosolids until limit was met (0 points)

3.1.3 Number of times any of the metals exceeded the ceiling limits = 0

Exceedence Points

- 0 (0 Points)
- 1 (10 Points)
- > 1 (15 Points)

3.1.4 Were biosolids land applied which exceeded the ceiling limit?

- Yes (20 Points)
- No (0 Points)

Compliance Maintenance Annual Report

River Falls Municipal Utility Wwtf

Last Updated: Reporting For:
5/31/2016 2015

<p>3.1.5 If any metal limit (high quality or ceiling) was exceeded at any time, what action was taken? Has the source of the metals been identified?</p> <div style="border: 1px solid black; height: 20px; width: 100%;"></div>	0
<p>6. Biosolids Storage 6.1 How many days of actual, current biosolids storage capacity did your wastewater treatment facility have either on-site or off-site?</p> <ul style="list-style-type: none"> <input checked="" type="radio"/> >= 180 days (0 Points) <input type="radio"/> 150 - 179 days (10 Points) <input type="radio"/> 120 - 149 days (20 Points) <input type="radio"/> 90 - 119 days (30 Points) <input type="radio"/> < 90 days (40 Points) <input type="radio"/> N/A (0 Points) <p>6.2 If you checked N/A above, explain why.</p> <div style="border: 1px solid black; height: 20px; width: 100%;"></div>	0
<p>7. Issues 7.1 Describe any outstanding biosolids issues with treatment, use or overall management:</p> <div style="border: 1px solid black; padding: 2px;">NA</div>	

Total Points Generated	0
Score (100 - Total Points Generated)	100
Section Grade	A

Compliance Maintenance Annual Report

River Falls Municipal Utility Wwtf

Last Updated: Reporting For:
5/31/2016 2015

Staffing and Preventative Maintenance (All Treatment Plants)

<p>1. Plant Staffing</p> <p>1.1 Was your wastewater treatment plant adequately staffed last year?</p> <ul style="list-style-type: none"><input checked="" type="radio"/> Yes<input type="radio"/> No <p>If No, please explain:</p> <div style="border: 1px solid black; height: 20px; width: 100%;"></div> <p>Could use more help/staff for:</p> <div style="border: 1px solid black; height: 20px; width: 100%;"></div> <p>1.2 Did your wastewater staff have adequate time to properly operate and maintain the plant and fulfill all wastewater management tasks including recordkeeping?</p> <ul style="list-style-type: none"><input checked="" type="radio"/> Yes<input type="radio"/> No <p>If No, please explain:</p> <div style="border: 1px solid black; height: 20px; width: 100%;"></div>	
<p>2. Preventative Maintenance</p> <p>2.1 Did your plant have a documented AND implemented plan for preventative maintenance on major equipment items?</p> <ul style="list-style-type: none"><input checked="" type="radio"/> Yes (Continue with question 2)<input type="radio"/> No (40 points) <p>If No, please explain, then go to question 3:</p> <div style="border: 1px solid black; height: 20px; width: 100%;"></div> <p>2.2 Did this preventative maintenance program depict frequency of intervals, types of lubrication, and other tasks necessary for each piece of equipment?</p> <ul style="list-style-type: none"><input checked="" type="radio"/> Yes<input type="radio"/> No (10 points) <p>2.3 Were these preventative maintenance tasks, as well as major equipment repairs, recorded and filed so future maintenance problems can be assessed properly?</p> <ul style="list-style-type: none"><input checked="" type="radio"/> Yes<ul style="list-style-type: none"><input type="radio"/> Paper file system<input type="radio"/> Computer system<input checked="" type="radio"/> Both paper and computer system<input type="radio"/> No (10 points)	0
<p>3. O&M Manual</p> <p>3.1 Does your plant have a detailed O&M Manual that can be used as a reference when needed?</p> <ul style="list-style-type: none"><input checked="" type="radio"/> Yes<input type="radio"/> No	
<p>4. Overall Maintenance /Repairs</p> <p>4.1 Rate the overall maintenance of your wastewater plant.</p> <ul style="list-style-type: none"><input type="radio"/> Excellent<input checked="" type="radio"/> Very good<input type="radio"/> Good<input type="radio"/> Fair<input type="radio"/> Poor <p>Describe your rating:</p> <div style="border: 1px solid black; padding: 5px;"><p>very minimal unplanned down time at plant. adequate spare parts kept on hand to make timely repairs, moneys spent annually to replace old unreliable equipment and improve efficiencies.</p></div>	

Compliance Maintenance Annual Report

River Falls Municipal Utility Wwtf

Last Updated: Reporting For:
5/31/2016 2015

Total Points Generated	0
Score (100 - Total Points Generated)	100
Section Grade	A

Compliance Maintenance Annual Report

River Falls Municipal Utility Wwtf

Last Updated: Reporting For:
5/31/2016 2015

Operator Certification and Education

<p>1. Operator-In-Charge</p> <p>1.1 Did you have a designated operator-in-charge during the report year?</p> <ul style="list-style-type: none"> ● Yes (0 points) ○ No (20 points) <p>Name: <input style="width: 300px;" type="text" value="WILLIAM A SWENSON"/></p> <p>Certification No: <input style="width: 150px;" type="text" value="33266"/></p>	0																																																																																								
<p>2. Certification Requirements</p> <p>2.1 In accordance with Chapter NR 114.56 and 114.57, Wisconsin Administrative Code, what level and subclass(es) were required for the operator-in-charge (OIC) to operate the wastewater treatment plant and what level and subclass(es) were held by the operator-in-charge?</p> <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th rowspan="2">Sub Class</th> <th rowspan="2">SubClass Description</th> <th colspan="2">WWTP</th> <th colspan="2">OIC</th> </tr> <tr> <th>Advanced</th> <th>OIT</th> <th>Basic</th> <th>Advanced</th> </tr> </thead> <tbody> <tr><td>A1</td><td>Suspended Growth Processes</td><td>X</td><td></td><td></td><td>X</td></tr> <tr><td>A2</td><td>Attached Growth Processes</td><td></td><td></td><td></td><td></td></tr> <tr><td>A3</td><td>Recirculating Media Filters</td><td></td><td></td><td></td><td></td></tr> <tr><td>A4</td><td>Ponds, Lagoons and Natural</td><td></td><td></td><td></td><td></td></tr> <tr><td>A5</td><td>Anaerobic Treatment Of Liquid</td><td></td><td></td><td></td><td></td></tr> <tr><td>B</td><td>Solids Separation</td><td>X</td><td></td><td></td><td>X</td></tr> <tr><td>C</td><td>Biological Solids/Sludges</td><td>X</td><td></td><td></td><td>X</td></tr> <tr><td>P</td><td>Total Phosphorus</td><td>X</td><td></td><td></td><td>X</td></tr> <tr><td>N</td><td>Total Nitrogen</td><td></td><td></td><td></td><td></td></tr> <tr><td>D</td><td>Disinfection</td><td>X</td><td></td><td></td><td>X</td></tr> <tr><td>L</td><td>Laboratory</td><td>X</td><td></td><td></td><td>X</td></tr> <tr><td>U</td><td>Unique Treatment Systems</td><td></td><td></td><td></td><td></td></tr> <tr><td>SS</td><td>Sanitary Sewage Collection</td><td>X</td><td>NA</td><td>NA</td><td>NA</td></tr> </tbody> </table> <p>2.2 Was the operator-in-charge certified at the appropriate level and subclass(es) to operate this plant? (Note: Certification in subclass SS, N and A5 not required in 2015 - 2016; subclass SS is basic level only.)</p> <ul style="list-style-type: none"> ● Yes (0 points) ○ No (20 points) 	Sub Class	SubClass Description	WWTP		OIC		Advanced	OIT	Basic	Advanced	A1	Suspended Growth Processes	X			X	A2	Attached Growth Processes					A3	Recirculating Media Filters					A4	Ponds, Lagoons and Natural					A5	Anaerobic Treatment Of Liquid					B	Solids Separation	X			X	C	Biological Solids/Sludges	X			X	P	Total Phosphorus	X			X	N	Total Nitrogen					D	Disinfection	X			X	L	Laboratory	X			X	U	Unique Treatment Systems					SS	Sanitary Sewage Collection	X	NA	NA	NA	0
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<p>3. Succession Planning</p> <p>3.1 In the event of the loss of your designated operator-in-charge, did you have a contingency plan to ensure the continued proper operation and maintenance of the plant that includes one or more of the following options (check all that apply)?</p> <ul style="list-style-type: none"> <input checked="" type="checkbox"/> One or more additional certified operators on staff <input type="checkbox"/> An arrangement with another certified operator <input type="checkbox"/> An arrangement with another community with a certified operator <input type="checkbox"/> An operator on staff who has an operator-in-training certificate for your plant and is expected to be certified within one year <input type="checkbox"/> A consultant to serve as your certified operator <input type="checkbox"/> None of the above (20 points) <p>If "None of the above" is selected, please explain:</p> <div style="border: 1px solid black; height: 20px; width: 100%;"></div>	0																																																																																								
<p>4. Continuing Education Credits</p> <p>4.1 If you had a designated operator-in-charge, was the operator-in-charge earning Continuing Education Credits at the following rates?</p> <p>OIT and Basic Certification:</p>																																																																																									

Compliance Maintenance Annual Report

River Falls Municipal Utility Wwtf

Last Updated: Reporting For:
5/31/2016 2015

<ul style="list-style-type: none">○ Averaging 6 or more CECs per year.○ Averaging less than 6 CECs per year. Advanced Certification: <ul style="list-style-type: none">● Averaging 8 or more CECs per year.○ Averaging less than 8 CECs per year.	
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Total Points Generated	0
Score (100 - Total Points Generated)	100
Section Grade	A

Compliance Maintenance Annual Report

River Falls Municipal Utility Wwtf

Last Updated: Reporting For:
5/31/2016 2015

Financial Management

<p>1. Provider of Financial Information</p> <p>Name: <input style="width: 150px;" type="text" value="Tracy Biederman"/></p> <p>Telephone: <input style="width: 150px;" type="text" value="715-426-3439"/> (XXX) XXX-XXXX</p> <p>E-Mail Address (optional): <input style="width: 300px;" type="text" value="tbiederman@rfcity.org"/></p>																									
<p>2. Treatment Works Operating Revenues</p> <p>2.1 Are User Charges or other revenues sufficient to cover O&M expenses for your wastewater treatment plant AND/OR collection system ?</p> <p><input checked="" type="radio"/> Yes (0 points)</p> <p><input type="radio"/> No (40 points)</p> <p>If No, please explain:</p> <div style="border: 1px solid black; height: 20px; width: 100%;"></div> <p>2.2 When was the User Charge System or other revenue source(s) last reviewed and/or revised?</p> <p>Year: <input style="width: 80px;" type="text" value="2015"/></p> <p><input checked="" type="radio"/> 0-2 years ago (0 points)</p> <p><input type="radio"/> 3 or more years ago (20 points)</p> <p><input type="radio"/> N/A (private facility)</p> <p>2.3 Did you have a special account (e.g., CWFP required segregated Replacement Fund, etc.) or financial resources available for repairing or replacing equipment for your wastewater treatment plant and/or collection system?</p> <p><input checked="" type="radio"/> Yes (0 points)</p> <p><input type="radio"/> No (40 points)</p>	0																								
<p>REPLACEMENT FUNDS [PUBLIC MUNICIPAL FACILITIES SHALL COMPLETE QUESTION 3]</p>																									
<p>3. Equipment Replacement Funds</p> <p>3.1 When was the Equipment Replacement Fund last reviewed and/or revised?</p> <p>Year: <input style="width: 80px;" type="text" value="2015"/></p> <p><input checked="" type="radio"/> 1-2 years ago (0 points)</p> <p><input type="radio"/> 3 or more years ago (20 points)</p> <p><input type="radio"/> N/A</p> <p>If N/A, please explain:</p> <div style="border: 1px solid black; height: 20px; width: 100%;"></div>																									
<p>3.2 Equipment Replacement Fund Activity</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 60%;">3.2.1 Ending Balance Reported on Last Year's CMAR</td> <td style="width: 5%;"></td> <td style="width: 5%; text-align: right;">\$</td> <td style="width: 30%; text-align: right;"><input style="width: 100%;" type="text" value="291,015.00"/></td> </tr> <tr> <td>3.2.2 Adjustments - if necessary (e.g. earned interest, audit correction, withdrawal of excess funds, increase making up previous shortfall, etc.)</td> <td></td> <td style="text-align: right;">\$</td> <td style="text-align: right;"><input style="width: 100%;" type="text" value="0.00"/></td> </tr> <tr> <td>3.2.3 Adjusted January 1st Beginning Balance</td> <td></td> <td style="text-align: right;">\$</td> <td style="text-align: right;"><input style="width: 100%;" type="text" value="291,015.00"/></td> </tr> <tr> <td>3.2.4 Additions to Fund (e.g. portion of User Fee, earned interest, etc.)</td> <td style="text-align: center;">+</td> <td style="text-align: right;">\$</td> <td style="text-align: right;"><input style="width: 100%;" type="text" value="60,419.15"/></td> </tr> <tr> <td>3.2.5 Subtractions from Fund (e.g., equipment replacement, major repairs - use description box 3.2.6.1 below*)</td> <td style="text-align: center;">-</td> <td style="text-align: right;">\$</td> <td style="text-align: right;"><input style="width: 100%;" type="text" value="0.00"/></td> </tr> <tr> <td>3.2.6 Ending Balance as of December 31st for CMAR Reporting Year</td> <td></td> <td style="text-align: right;">\$</td> <td style="text-align: right;"><input style="width: 100%;" type="text" value="351,434.15"/></td> </tr> </table>	3.2.1 Ending Balance Reported on Last Year's CMAR		\$	<input style="width: 100%;" type="text" value="291,015.00"/>	3.2.2 Adjustments - if necessary (e.g. earned interest, audit correction, withdrawal of excess funds, increase making up previous shortfall, etc.)		\$	<input style="width: 100%;" type="text" value="0.00"/>	3.2.3 Adjusted January 1st Beginning Balance		\$	<input style="width: 100%;" type="text" value="291,015.00"/>	3.2.4 Additions to Fund (e.g. portion of User Fee, earned interest, etc.)	+	\$	<input style="width: 100%;" type="text" value="60,419.15"/>	3.2.5 Subtractions from Fund (e.g., equipment replacement, major repairs - use description box 3.2.6.1 below*)	-	\$	<input style="width: 100%;" type="text" value="0.00"/>	3.2.6 Ending Balance as of December 31st for CMAR Reporting Year		\$	<input style="width: 100%;" type="text" value="351,434.15"/>	
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Compliance Maintenance Annual Report

River Falls Municipal Utility Wwtf

Last Updated: Reporting For:
5/31/2016 2015

All Sources: This ending balance should include all Equipment Replacement Funds whether held in a bank account(s), certificate(s) of deposit, etc.

3.2.6.1 Indicate adjustments, equipment purchases, and/or major repairs from 3.2.5 above.

3.3 What amount should be in your Replacement Fund? \$

Please note: If you had a CWWFP loan, this amount was originally based on the Financial Assistance Agreement (FAA) and should be regularly updated as needed. Further calculation instructions and an example can be found by clicking the HELP link under Info in the left-side menu.

3.3.1 Is the December 31 Ending Balance in your Replacement Fund above, (#3.2.6) equal to, or greater than the amount that should be in it (#3.3)?

Yes

No

If No, please explain.

The replacement fund was reviewed and management chose the percentage method requiring 40% of the book value to be funded. The Utility is funding the account as operating cash allows.

0

4. Future Planning

4.1 During the next ten years, will you be involved in formal planning for upgrading, rehabilitating, or new construction of your treatment facility or collection system?

Yes - If Yes, please provide major project information, if not already listed below.

No

Project #	Project Description	Estimated Cost	Approximate Construction Year
1	Sanitary Sewer Pipe Lining - This is an ongoing budget item to maintain an annual sewer slip lining program. This will improve the performance and extend the useful life of our existing collection system.	160000	2016
2	Collection System Replacements - We are budgeting annually for ongoing sewer pipe replacements that are not able to be rehabilitated by slip lining. This will be an annual maintenance program for our system maintenance and adjusted for inflation.	56400	2016
3	Wastewater Treatment Improvements. Adding improved biosolids storage and handling building, Equipment Safety and ease of operation, DAFT unit, Clarifier upgrades, and site piping are included in the 2016 budget.	4100000	2016

5. Financial Management General Comments

Total Points Generated	0
Score (100 - Total Points Generated)	100
Section Grade	A

Compliance Maintenance Annual Report

River Falls Municipal Utility Wwtf

Last Updated: Reporting For:
5/31/2016 2015

Sanitary Sewer Collection Systems

1. CMOM Program

1.1 Do you have a Capacity, Management, Operation & Maintenance (CMOM) requirement in your WPDES permit?

- Yes
- No

1.2 Did you have a documented (written records/files, computer files, video tapes, etc.) sanitary sewer collection system operation & maintenance (O&M) or CMOM program last calendar year?

- Yes (Continue with question 1)
- No (30 points) (Go to question 2)

1.3 Check the elements listed below that are included in your O&M or CMOM program.

Goals

Describe the specific goals you have for your collection system:

- 1. Continue a program to line old clay sewer main as needed. Budget \$160,000 per year to finance slip lining.
- 2. Clean 25% of the collection system annually.
- 3. Rebuild manholes using a \$50,000 per year budget.

Organization

Do you have the following written organizational elements (check only those that apply)?

- Ownership and governing body description
- Organizational chart
- Personnel and position descriptions
- Internal communication procedures
- Public information and education program

Legal Authority

Do you have the legal authority for the following (check only those that apply)?

- Sewer use ordinance Last Revised Date (MM/DD/YYYY)
- Pretreatment/industrial control Programs
- Fat, oil and grease control
- Illicit discharges (commercial, industrial)
- Private property clear water (sump pumps, roof or foundation drains, etc.)
- Private lateral inspections/repairs
- Service and management agreements

Maintenance Activities (provide details in question 2)

Design and Performance Provisions

How do you ensure that your sewer system is designed and constructed properly?

- State plumbing code
- DNR NR 110 standards
- Local municipal code requirements
- Construction, inspection, and testing
- Others:

Overflow Emergency Response Plan:

Does your emergency response capability include (check only those that apply)?

- Alarm system and routine testing
- Emergency equipment
- Emergency procedures
- Communications/notifications (DNR, internal, public, media, etc.)

Capacity Assurance:

Compliance Maintenance Annual Report

River Falls Municipal Utility Wwtf

Last Updated: Reporting For:
5/31/2016 2015

How well do you know your sewer system? Do you have the following?

- Current and up-to-date sewer map
- Sewer system plans and specifications
- Manhole location map
- Lift station pump and wet well capacity information
- Lift station O&M manuals

Within your sewer system have you identified the following?

- Areas with flat sewers
- Areas with surcharging
- Areas with bottlenecks or constrictions
- Areas with chronic basement backups or SSOs
- Areas with excess debris, solids, or grease accumulation
- Areas with heavy root growth
- Areas with excessive infiltration/inflow (I/I)
- Sewers with severe defects that affect flow capacity
- Adequacy of capacity for new connections
- Lift station capacity and/or pumping problems
- Annual Self-Auditing of your O&M/CMOM Program to ensure above components are being implemented, evaluated, and re-prioritized as needed
- Special Studies Last Year (check only those that apply):
 - Infiltration/Inflow (I/I) Analysis
 - Sewer System Evaluation Survey (SSES)
 - Sewer Evaluation and Capacity Management Plan (SECAP)
 - Lift Station Evaluation Report
 - Others:

0

2. Operation and Maintenance

2.1 Did your sanitary sewer collection system maintenance program include the following maintenance activities? Complete all that apply and indicate the amount maintained.

Cleaning	<input style="width: 60px;" type="text" value="42"/>	% of system/year
Root removal	<input style="width: 60px;" type="text" value="15"/>	% of system/year
Flow monitoring	<input style="width: 60px;" type="text" value="0"/>	% of system/year
Smoke testing	<input style="width: 60px;" type="text" value="0"/>	% of system/year
Sewer line televising	<input style="width: 60px;" type="text" value="5"/>	% of system/year
Manhole inspections	<input style="width: 60px;" type="text" value="12.5"/>	% of system/year
Lift station O&M	<input style="width: 60px;" type="text" value="12"/>	# per L.S./year
Manhole rehabilitation	<input style="width: 60px;" type="text" value="2.9"/>	% of manholes rehabbed
Mainline rehabilitation	<input style="width: 60px;" type="text" value="1.8"/>	% of sewer lines rehabbed
Private sewer inspections	<input style="width: 60px;" type="text" value="0"/>	% of system/year
Private sewer I/I removal	<input style="width: 60px;" type="text" value="0"/>	% of private services

Please include additional comments about your sanitary sewer collection system below:

Compliance Maintenance Annual Report

River Falls Municipal Utility Wwtf

Last Updated: Reporting For:
5/31/2016 2015

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3. Performance Indicators

3.1 Provide the following collection system and flow information for the past year.

36.14	Total actual amount of precipitation last year in inches
30.61	Annual average precipitation (for your location)
62	Miles of sanitary sewer
5	Number of lift stations
0	Number of lift station failures
0	Number of sewer pipe failures
1	Number of basement backup occurrences
1	Number of complaints
	Average daily flow in MGD (if available)
	Peak monthly flow in MGD (if available)
	Peak hourly flow in MGD (if available)

3.2 Performance ratios for the past year:

0.00	Lift station failures (failures/year)
0.00	Sewer pipe failures (pipe failures/sewer mile/yr)
0.00	Sanitary sewer overflows (number/sewer mile/yr)
0.02	Basement backups (number/sewer mile)
0.02	Complaints (number/sewer mile)
	Peaking factor ratio (Peak Monthly: Annual Daily Avg)
	Peaking factor ratio (Peak Hourly: Annual Daily Avg)

4. Overflows

LIST OF SANITARY SEWER (SSO) AND TREATMENT FACILITY (TFO) OFERFLOWS REPORTED **				
	Date	Location	Cause	Estimated Volume (MG)
None reported				

** If there were any SSOs or TFOs that are not listed above, please contact the DNR and stop work on this section until corrected.

5. Infiltration / Inflow (I/I)

5.1 Was infiltration/inflow (I/I) significant in your community last year?

- Yes
- No

If Yes, please describe:

--

5.2 Has infiltration/inflow and resultant high flows affected performance or created problems in your collection system, lift stations, or treatment plant at any time in the past year?

- Yes
- No

If Yes, please describe:

--

5.3 Explain any infiltration/inflow (I/I) changes this year from previous years:

Compliance Maintenance Annual Report

River Falls Municipal Utility Wwtf

Last Updated: Reporting For:
5/31/2016 2015

continued sewer lining and manhole rehab have dropped the amount of inflow/infiltration.

5.4 What is being done to address infiltration/inflow in your collection system?

Rebuilding manholes and slip lining old pipe.

Total Points Generated	0
Score (100 - Total Points Generated)	100
Section Grade	A

Compliance Maintenance Annual Report

River Falls Municipal Utility Wwtf

Last Updated: Reporting For:
5/31/2016 2015

Grading Summary

WPDES No: 0029394

SECTIONS	LETTER GRADE	GRADE POINTS	WEIGHTING FACTORS	SECTION POINTS
Influent	A	4	3	12
BOD/CBOD	A	4	10	40
TSS	A	4	5	20
Ammonia	A	4	5	20
Phosphorus	A	4	3	12
Biosolids	A	4	5	20
Staffing/PM	A	4	1	4
OpCert	A	4	1	4
Financial	A	4	1	4
Collection	A	4	3	12
TOTALS			37	148
GRADE POINT AVERAGE (GPA) = 4.00				

Notes:

A = Voluntary Range (Response Optional)

B = Voluntary Range (Response Optional)

C = Recommendation Range (Response Required)

D = Action Range (Response Required)

F = Action Range (Response Required)

Compliance Maintenance Annual Report

River Falls Municipal Utility Wwtf

Last Updated: Reporting For:
5/31/2016 2015

Resolution or Owner's Statement

Name of Governing
Body or Owner:

Date of Resolution or
Action Taken:

Resolution Number:

Date of Submittal:

ACTIONS SET FORTH BY THE GOVERNING BODY OR OWNER RELATING TO SPECIFIC CMAR
SECTIONS (Optional for grade A or B. Required for grade C, D, or F):

Influent Flow and Loadings: Grade = A

Effluent Quality: BOD: Grade = A

Effluent Quality: TSS: Grade = A

Effluent Quality: Ammonia: Grade = A

Effluent Quality: Phosphorus: Grade = A

Biosolids Quality and Management: Grade = A

Staffing: Grade = A

Operator Certification: Grade = A

Financial Management: Grade = A

Collection Systems: Grade = A

(Regardless of grade, response required for Collection Systems if SSOs were reported)

ACTIONS SET FORTH BY THE GOVERNING BODY OR OWNER RELATING TO THE OVERALL
GRADE POINT AVERAGE AND ANY GENERAL COMMENTS

(Optional for G.P.A. greater than or equal to 3.00, required for G.P.A. less than 3.00)

G.P.A. = 4.00



RESOLUTION NO. 2016-10

**REGARDING REVIEW OF
WASTEWATER TREATMENT PLANT
2015 COMPLIANCE MAINTENANCE ANNUAL REPORT**

WHEREAS, the City of River Falls Wastewater Treatment and Sewer Collection staff completed the Compliance Maintenance Annual Report; and

WHEREAS, the point calculation values indicate the facility to be in the voluntary range; and

WHEREAS, the City of River Falls Utility Advisory Board has reviewed said report.

BE IT FURTHER RESOLVED that the City of River Falls Utility Advisory Board requests Common Council approve the Compliance Maintenance Annual Report for Report Year 2015 and authorize submission of the Compliance Maintenance Annual Report to the Department of Natural Resources.

Dated this 20th day of June, 2016.

Grant Hanson, President

Attest:

Lu Ann Hecht, City Clerk



#

MEMORANDUM

TO: Utility Advisory Board

FROM: Julie Bergstrom, Finance Director/Asst. City Administrator

DATE: June 20, 2016

TITLE: **Proposed Capital Improvement Plan**

RECOMMENDED ACTION

Review of the projects proposed for the 2017-2021 capital improvement plan (CIP).

BACKGROUND

Biennially, the CIP is updated to incorporate new projects and update the costs and descriptions for ongoing projects. The CIP contains projects for all City departments, as well as vehicle replacements.

The attached is the proposed CIP and vehicle listing for the upcoming plan. This list was disseminated to the City Council in a workshop setting, and another Council workshop meeting is planned for July 26th.

Before any changes are made to the department requests, we would like to receive input and discussion from the Utility Advisory Board.

FINANCIAL CONSIDERATIONS

The cost of the proposed projects included in the five year plan total \$18,061,950 for the electric, water, sewer, and storm water departments. The plan has not yet been reviewed for the affordability of projects, or for timing.

CONCLUSION

Review by the Board is requested as to priority and timing. Additional information on the various projects can be provided if needed for clarification.

City of River Falls, Wisconsin

Capital Improvement Plan

2017 thru 2021

PROJECTS BY DEPARTMENT

Department	Project#	Priority	2017	2018	2019	2020	2021	Total
Electric								
Replace Meters	12-MU-003	4	30,000	30,750	31,500	32,250	33,000	157,500
Electric Services	12-MU-004	4	53,000	54,500	56,000	57,500	59,000	280,000
New Subdivisions - Street Lights	12-MU-005	4	120,000	125,000	125,000	106,000	108,000	584,000
Underground Cable Replacement	12-MU-006	4	115,000	120,000	125,000	130,000	135,000	625,000
Transformers	12-MU-007	4	125,000	125,000	125,000	125,000	125,000	625,000
Distribution System Improvements	12-MU-017	4	164,000	168,850	174,000	179,100	184,500	870,450
Power Plant Substation	12-MU-041	4	1,750,000					1,750,000
Hydroelectric Facility Relicensing/Decommissioning	14-MU-052	2		75,000	75,000	50,000		200,000
County Road MM Feeder Project	16-MU-004	n/a					500,000	500,000
Complete Electric Looping - RF Industrial Park	16-MU-009	n/a		50,000				50,000
Winter Street to MM	16-MU-022	n/a		200,000	200,000			400,000
AMI	16-MU-023	n/a	125,000	125,000		750,000	750,000	1,750,000
Electric Total			2,482,000	1,074,100	911,500	1,429,850	1,894,500	7,791,950
Stormwater								
Outfall 036 Repairs	10-SW-314	2	24,000					24,000
St. Croix Pond Rehabilitation	16-SW-001	n/a			355,000			355,000
Stormwater Total			24,000		355,000			379,000
Wastewater								
Collection System Replacements	12-MU-033	4	58,000	59,700	61,500	63,400	65,300	307,900
WWTP - Pump Replacements	12-MU-045	4	30,000	10,000	10,000	10,000		60,000
WWTP - Apollo Road Pavement	12-MU-046	2	150,000					150,000
North Interceptor Sewer Rerouting	16-ENG-001	n/a	530,000	200,000				730,000
North Interceptor Rehabilitation	16-ENG-003	n/a	812,100	472,000	236,000	108,000		1,628,100
Front End Screening	16-MU-007	n/a		15,000	100,000			115,000
Wastewater Total			1,580,100	756,700	407,500	181,400	65,300	2,991,000
Water								
Fire Hydrant Replacement	12-MU-023	4	40,000	40,000	40,000	40,000	40,000	200,000
Water Meter Replacement	12-MU-024	4	50,000	50,000	50,000	50,000	50,000	250,000
North Zone Water Tower	12-MU-026	2					2,000,000	2,000,000
Water Main Extension - North Loop Extension	12-MU-028	2	240,000	75,000			2,420,000	2,735,000
Well #7	14-MU-055	2				100,000	1,600,000	1,700,000
Driveway at Golf View Water Tower	16-MU-005	n/a		15,000				15,000
Water Total			330,000	180,000	90,000	190,000	6,110,000	6,900,000
GRAND TOTAL			4,416,100	2,010,800	1,764,000	1,801,250	8,069,800	18,061,950

Capital Improvement Plan
City of River Falls, Wisconsin

2017 *thru* 2021

Project # 12-MU-003
Project Name Replace Meters

Type Equipment
Useful Life 10 years
Category Equipment

Department Electric
Contact Kevin Westhuis
Priority ONGOING PROJECTS

Status Active



Description

RFMU has included \$30,000 in each year for routine meter purchases. In 2015, funding of \$25,000 has been included for investigation of advanced metering, and \$15,000 for purchase of meters. 2016 includes an additional \$15,000 for prepaid meters.

Justification

Purchasing and replacing older meters may assist with the accurate reading of electricity consumption. Purchase of AMI meters for large customers will provide additional information for energy savings.

Expenditures	2017	2018	2019	2020	2021	Total
Equipment/Furnishings	30,000	30,750	31,500	32,250	33,000	157,500
Total	30,000	30,750	31,500	32,250	33,000	157,500

Funding Sources	2017	2018	2019	2020	2021	Total
Electric - Utility Funds	30,000	30,750	31,500	32,250	33,000	157,500
Total	30,000	30,750	31,500	32,250	33,000	157,500

Budget Impact/Other

Capital Improvement Plan
City of River Falls, Wisconsin

2017 *thru* 2021

Project # 12-MU-004
Project Name Electric Services

Type Improvement
Useful Life Unassigned
Category Infrastructure

Department Electric
Contact Kevin Westhuis
Priority ONGOING PROJECTS

Status Active



Description

The cost of electric service installations is estimated at \$50,000 per year in 2015 with increases based on inflation.

Justification

Service installations are a necessary expense when setting up new services. These costs are often billed back to the customer within their first billing cycle.

Expenditures	2017	2018	2019	2020	2021	Total
Professional Services	53,000	54,500	56,000	57,500	59,000	280,000
Total	53,000	54,500	56,000	57,500	59,000	280,000

Funding Sources	2017	2018	2019	2020	2021	Total
Electric - Utility Funds	53,000	54,500	56,000	57,500	59,000	280,000
Total	53,000	54,500	56,000	57,500	59,000	280,000

Budget Impact/Other

Capital Improvement Plan

2017 *thru* 2021

City of River Falls, Wisconsin

Project # 12-MU-005
Project Name New Subdivisions - Street Lights



Type Improvement **Department** Electric
Useful Life 20 years **Contact** Kevin Westhuis
Category Infrastructure **Priority** ONGOING PROJECTS

Status Active

Description

Ongoing street lighting costs for new subdivisions are estimated at \$100,000 per year. The LED lighting replacement costs will also be included in this project.
 Beginning in 2018, costs will be adjusted for inflation.

Justification

This is a necessary expense to increase lighting coverage throughout the community. The change from existing to LED lighting will be done over time as lights fail or maintenance is needed.

Expenditures	2017	2018	2019	2020	2021	Total
Equipment/Furnishings	120,000	125,000	125,000	106,000	108,000	584,000
Total	120,000	125,000	125,000	106,000	108,000	584,000

Funding Sources	2017	2018	2019	2020	2021	Total
Electric - Utility Funds	120,000	125,000	125,000	106,000	108,000	584,000
Total	120,000	125,000	125,000	106,000	108,000	584,000

Budget Impact/Other

Capital Improvement Plan
City of River Falls, Wisconsin

2017 *thru* 2021

Project # 12-MU-007
Project Name Transformers

Type Equipment
Useful Life 25 years
Category Equipment

Department Electric
Contact Kevin Westhuis
Priority ONGOING PROJECTS

Status Active



Description

RFMU has included \$100,000 each year for transformer purchases.
 Beginning in 2019, costs are adjusted for inflation.

Justification

Periodically transformers need to be replaced to assist in the power transmission of the electrical grid.

Expenditures	2017	2018	2019	2020	2021	Total
Equipment/Furnishings	125,000	125,000	125,000	125,000	125,000	625,000
Total	125,000	125,000	125,000	125,000	125,000	625,000

Funding Sources	2017	2018	2019	2020	2021	Total
Electric - Utility Funds	125,000	125,000	125,000	125,000	125,000	625,000
Total	125,000	125,000	125,000	125,000	125,000	625,000

Budget Impact/Other

Capital Improvement Plan
City of River Falls, Wisconsin

2017 *thru* 2021

Project # 12-MU-017
Project Name Distribution System Improvements

Type Improvement
Useful Life 25 years
Category Infrastructure

Department Electric
Contact Kevin Westhuis
Priority ONGOING PROJECTS

Status Active



Description

The electric budget includes funding for distribution system improvements, which can include storm related damages.

Justification

This account incorporates unexpected expenses, including storm damage and new development that occurs.

Expenditures	2017	2018	2019	2020	2021	Total
Construction	164,000	168,850	174,000	179,100	184,500	870,450
Total	164,000	168,850	174,000	179,100	184,500	870,450

Funding Sources	2017	2018	2019	2020	2021	Total
Electric - Utility Funds	164,000	168,850	174,000	179,100	184,500	870,450
Total	164,000	168,850	174,000	179,100	184,500	870,450

Budget Impact/Other

Capital Improvement Plan

2017 *thru* 2021

City of River Falls, Wisconsin

Project #	12-MU-041
Project Name	Power Plant Substation

Type Equipment
Useful Life 25 years
Category Infrastructure

Department Electric
Contact Kevin Westhuis
Priority ONGOING PROJECTS



Status Active

Description

The transformer replacement phase of this project will provide for the replacement of transformer, switch gear, and feeder exit at the River Falls Power Plant Substation. Specifically, this will cover the costs of replacement and construction of these features. The breaker replacement phase of this project will provide for the replacement of breakers at the River Falls Power Plant Substation. Specifically, this will cover the costs of replacement and construction of the new breakers. Replacement of 69 KV breakers for RNB5, RNB6, and RNB12 S switches.

Justification

With the closure of the Power Plant, the substation equipment will need to be relocated. This will allow for repurposing of the Power Plant building as well as upgrade this major substation. Current transformer has exceeded its expected life.

Expenditures	2017	2018	2019	2020	2021	Total
Construction	1,750,000					1,750,000
Total	1,750,000					1,750,000

Funding Sources	2017	2018	2019	2020	2021	Total
Electric Revenue Bonds	1,750,000					1,750,000
Total	1,750,000					1,750,000

Budget Impact/Other

Capital Improvement Plan

2017 *thru* 2021

City of River Falls, Wisconsin

Project # 14-MU-052
Project Name Hydroelectric Facility Relicensing/Decommissioning

Type Improvement
Useful Life Unassigned
Category Infrastructure

Department Electric
Contact Kevin Westhuis
Priority IMPORTANT

Status Active



Description

Exploratory research and analysis for hydroelectric facility relicensing process.

Justification

Staff and consultant review of requirements, plan for future expenditures to comply with relicensing requirements.

Expenditures	2017	2018	2019	2020	2021	Total
Planning		75,000	75,000	50,000		200,000
Total		75,000	75,000	50,000		200,000

Funding Sources	2017	2018	2019	2020	2021	Total
Electric - Utility Funds		75,000	75,000	50,000		200,000
Total		75,000	75,000	50,000		200,000

Budget Impact/Other

Capital Improvement Plan
City of River Falls, Wisconsin

2017 *thru* 2021

Project # 16-MU-004
Project Name County Road MM Feeder Project



Type Improvement **Department** Electric
Useful Life **Contact** Kevin Westhuis
Category Infrastructure **Priority**

Status Active

Description

Complete the three phase electric loop feed from Apollo Road to Division Street to Radio Road along County Road MM.

Justification

Will create a loop feed system to accommodate growth in the area.

Expenditures	2017	2018	2019	2020	2021	Total
Construction					500,000	500,000
Total					500,000	500,000

Funding Sources	2017	2018	2019	2020	2021	Total
Electric - Utility Funds					500,000	500,000
Total					500,000	500,000

Budget Impact/Other

Capital Improvement Plan

2017 thru 2021

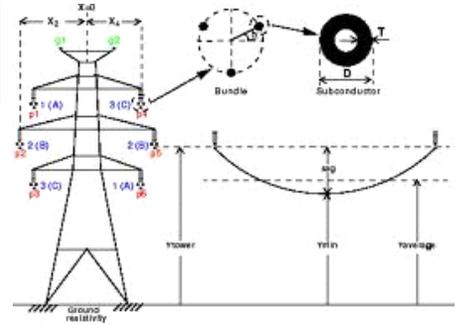
City of River Falls, Wisconsin

Project # 16-MU-009
Project Name Complete Electric Looping - RF Industrial Park

Type Improvement
Useful Life
Category Infrastructure

Department Electric
Contact Kevin Westhuis
Priority

Status Active



Description

Complete specific circuit looping to allow for dual feed to the entire industrial park.

Justification

There are portions of the River Falls Industrial Park that can not be fed from two substation sources. This is important for large customer reliability.

Expenditures	2017	2018	2019	2020	2021	Total
Equipment/Furnishings		50,000				50,000
Total		50,000				50,000

Funding Sources	2017	2018	2019	2020	2021	Total
Electric - Utility Funds		50,000				50,000
Total		50,000				50,000

Budget Impact/Other

Capital Improvement Plan
City of River Falls, Wisconsin

2017 *thru* 2021

Project # 16-MU-011
Project Name Oil Sampling and IR Scanning



Type Maintenance **Department** Electric
Useful Life **Contact** Kevin Westhuis
Category Equipment **Priority**

Status Active

Description

Yearly oil sampling and testing, inferred scanning, and battery testing for equipment at all three substations.

Justification

Oil sampling and testing and IR scanning are part of regular maintenance of the substations.

Budget Impact/Other

Budget Items	2017	2018	2019	2020	2021	Total
Supplies/Materials	6,500	8,500	10,000	10,000	10,000	45,000
Total	6,500	8,500	10,000	10,000	10,000	45,000

Capital Improvement Plan
City of River Falls, Wisconsin

2017 *thru* 2021

Project # 16-MU-012
Project Name Pole Testing



Type Maintenance **Department** Electric
Useful Life **Contact** Kevin Westhuis
Category Other **Priority**

Status Active

Description

Complete the required pole testing and replacement for the Electric Department. Cost includes labor, testing equipment, and replacement costs.

Justification

Pole testing is required testing.

Budget Impact/Other

Budget Items	2017	2018	2019	2020	2021	Total
Staff Cost	10,000	10,000	10,000			30,000
Supplies/Materials	15,000	15,000	15,000			45,000
Total	25,000	25,000	25,000			75,000

Capital Improvement Plan
City of River Falls, Wisconsin

2017 *thru* 2021

Project # 16-MU-017
Project Name Substation Maintenance Work

Type Maintenance **Department** Electric
Useful Life **Contact** Kevin Westhuis
Category Other **Priority**

Status Active



Description

\$25,000 each designated year in a five year rotation of the South Fork Substation (2018), North Substation (2020), and the Power Plant (2022). This does not include any Load Tap Changer (LTC) work that will happen in the rotation as well.

Justification

Five year substation maintenance work.

Budget Impact/Other

Budget Items	2017	2018	2019	2020	2021	Total
Maintenance	25,000	25,000	25,000	25,000	25,000	125,000
Total	25,000	25,000	25,000	25,000	25,000	125,000

Capital Improvement Plan
City of River Falls, Wisconsin

2017 *thru* 2021

Project # 16-MU-018
Project Name Utility Tree Planting Program



Type Maintenance **Department** Electric
Useful Life **Contact** Kevin Westhuis
Category Equipment **Priority**

Status Active

Description

The investment of \$12,000 per year for five years by the Electric Department into a tree planting program.

Justification

As a conservation measure to create shade in the community in order to reduce cooling costs.

Budget Impact/Other

Budget Items	2017	2018	2019	2020	2021	Total
Supplies/Materials	12,000	12,000	12,000	12,000	12,000	60,000
Total	12,000	12,000	12,000	12,000	12,000	60,000

Capital Improvement Plan
City of River Falls, Wisconsin

2017 *thru* 2021

Project # 16-MU-019
Project Name Tree Trimming

Type Maintenance
Useful Life
Category Infrastructure

Department Electric
Contact Kevin Westhuis
Priority

Status Active



Description

Distribution system tree trimming annually and Transmission line tree trimming every four years.

Justification

Tree trimming prevents branches from interfering with electrical transmission lines.

Budget Impact/Other

Budget Items	2017	2018	2019	2020	2021	Total
Maintenance	60,000	120,000	120,000	60,000	60,000	420,000
Total	60,000	120,000	120,000	60,000	60,000	420,000

Capital Improvement Plan
City of River Falls, Wisconsin

2017 *thru* 2021

Project # 16-MU-022
Project Name Winter Street to MM



Type Improvement
Useful Life
Category Infrastructure
Department Electric
Contact Kevin Westhuis
Priority

Status Active

Description

3-phase feeder extension to eventually reach Mann Valley for the ultimate Mann Valley Loop.

Justification

Loop feed reliability to ensure back feed from two substations for corporate parks.

Expenditures	2017	2018	2019	2020	2021	Total
Equipment/Furnishings		200,000	200,000			400,000
Total		200,000	200,000			400,000

Funding Sources	2017	2018	2019	2020	2021	Total
Electric - Utility Funds		200,000	200,000			400,000
Total		200,000	200,000			400,000

Budget Impact/Other

Capital Improvement Plan
City of River Falls, Wisconsin

2017 *thru* 2021

Project # 16-MU-023
Project Name AMI

Type Equipment
Useful Life
Category Equipment

Department Electric
Contact Kevin Westhuis
Priority

Status Active



Description

Advanced Meter Infrastructure that allows for more data to assist customers in electric load management to reduce usage and costs.

Justification

It addresses customer expectations and load management for both the customer and the utility.

Expenditures	2017	2018	2019	2020	2021	Total
Equipment/Furnishings		125,000		750,000	750,000	1,625,000
Planning	125,000					125,000
Total	125,000	125,000		750,000	750,000	1,750,000

Funding Sources	2017	2018	2019	2020	2021	Total
Electric - Utility Funds	125,000	125,000		750,000	750,000	1,750,000
Total	125,000	125,000		750,000	750,000	1,750,000

Budget Impact/Other

Capital Improvement Plan
City of River Falls, Wisconsin

2017 *thru* 2021

Project # 10-SW-314
Project Name Outfall 036 Repairs



Type Improvement
Useful Life 25 years
Category Infrastructure

Department Stormwater
Contact Reid Wronski
Priority IMPORTANT

Status Active

Description

Excavation and replacement of a degraded storm water outfall located on the east side of UWRF campus.

Justification

This outfall is located within the University. An inspection in 2008 found that the last 4-5 sections of pipe are coming apart and large sink holes are being formed around the pipe as sediments are washed into the pipe and into the river. This area is heavily wooded and access is limited. The ground in this area is also very soft, which is probably what is causing some of the settlement of the pipe. The proposed project would replace this pipe and tie together the last 3-4 sections of pipe. By tying the pipe together you can lessen the likelihood of settlement causing the same problems it currently is.

Expenditures	2017	2018	2019	2020	2021	Total
Construction	24,000					24,000
Total	24,000					24,000

Funding Sources	2017	2018	2019	2020	2021	Total
Stormwater Utility	24,000					24,000
Total	24,000					24,000

Budget Impact/Other

Capital Improvement Plan

2017 *thru* 2021

City of River Falls, Wisconsin

Project # 16-SW-001
Project Name St. Croix Pond Rehabilitation



Type Improvement
Useful Life
Category Infrastructure

Department Stormwater
Contact Reid Wronski
Priority

Status Active

Description

Complete pond rehabilitation and expansion done in conjunction with the North interceptor sewer project..

Justification

The North interceptor sewer project will disturb this ponding area that is undersized and in need of rehabilitation and provides an opportunistic time to coordinate the rehabilitation project with the sewer project.

Expenditures	2017	2018	2019	2020	2021	Total
Acquisition of Property			275,000			275,000
Design			80,000			80,000
Total			355,000			355,000

Funding Sources	2017	2018	2019	2020	2021	Total
Stormwater Utility			80,000			80,000
Tax Increment District			275,000			275,000
Total			355,000			355,000

Budget Impact/Other

A pond redesigned to current standards should require less labor hours to maintain but the increased size will likely offset any savings. Therefore, minimal impact.

Capital Improvement Plan

2017 *thru* 2021

City of River Falls, Wisconsin

Project # 12-MU-032
Project Name Sanitary Sewer Pipe Slip Lining

Type Maintenance
Useful Life
Category Infrastructure

Department Wastewater
Contact Kevin Westhuis
Priority

Status Active



Description

Annual budgeted amount for the sewer slip lining program. Budgeted amounts have been increased from 2014 to properly address outdated infrastructure.

Justification

Slip lining provides extended life to existing and deteriorating sewer lines.

Budget Impact/Other

Capital Improvement Plan

2017 *thru* 2021

City of River Falls, Wisconsin

Project # 12-MU-033
Project Name Collection System Replacements

Type Equipment
Useful Life 25 years
Category Infrastructure

Department Wastewater
Contact Kevin Westhuis
Priority ONGOING PROJECTS

Status Active



Description

The budget includes funding for replacement of sewer pipes that are unable to be repaired by slip lining, as well as manhole repair and replacement. A 3% inflationary consideration has been added each year.

Justification

Maintain existing infrastructure.

Expenditures	2017	2018	2019	2020	2021	Total
Equipment/Furnishings	58,000	59,700	61,500	63,400	65,300	307,900
Total	58,000	59,700	61,500	63,400	65,300	307,900

Funding Sources	2017	2018	2019	2020	2021	Total
Sewer - Utility Funds	58,000	59,700	61,500	63,400	65,300	307,900
Total	58,000	59,700	61,500	63,400	65,300	307,900

Budget Impact/Other

Capital Improvement Plan

2017 *thru* 2021

City of River Falls, Wisconsin

Project # 12-MU-045
Project Name WWTP - Pump Replacements



Type Improvement **Department** Wastewater
Useful Life 20 years **Contact** Kevin Westhuis
Category Equipment **Priority** ONGOING PROJECTS

Status Active

Description

Replacing sump pump in two different areas, and replacing several pumps (pumps for the flow of raw sewage). Estimated at one pump per year through 2020.

Justification

Sump pumps in influent areas are original equipment and have worn out. We are replacing one and need to budget for the second one. The sump pumps in lower old screening building have been rebuilt twice and the submersible pump in the pit now is our emergency pump.
 The RAS pumps go through high hours of continuous operation and they have already had serious wear issues.

Expenditures	2017	2018	2019	2020	2021	Total
Equipment/Furnishings	30,000	10,000	10,000	10,000		60,000
Total	30,000	10,000	10,000	10,000		60,000

Funding Sources	2017	2018	2019	2020	2021	Total
Sewer - Utility Funds	30,000	10,000	10,000	10,000		60,000
Total	30,000	10,000	10,000	10,000		60,000

Budget Impact/Other

Capital Improvement Plan

2017 *thru* 2021

City of River Falls, Wisconsin

Project # 12-MU-046
Project Name WWTP - Apollo Road Pavement

Type Improvement
Useful Life 25 years
Category Infrastructure

Department Wastewater
Contact Kevin Westhuis
Priority IMPORTANT

Status Active



Description

Pave approximately 24 wide (36 ROW) by 1,000 linear feet of road north of the entry of the Wastewater Treatment Plant - add new sub base, base and bituminous pavement.

Justification

There is presently a dirt road with a slight slope leading away from the Wastewater Plant. This road is used daily by heavy trucks going to the Plant. The upper Apollo Road is scheduled to be paved with the development of the Eco Village. The pavement will make it safer, reduce erosion and help reduce dust and noise. This is presently a private road but with residential development just north the road may become public and City Code as well as City policy requires public roads to be paved.

Expenditures	2017	2018	2019	2020	2021	Total
Construction	125,100					125,100
Planning	24,900					24,900
Total	150,000					150,000

Funding Sources	2017	2018	2019	2020	2021	Total
Sewer - Utility Funds	150,000					150,000
Total	150,000					150,000

Budget Impact/Other

Capital Improvement Plan

2017 *thru* 2021

City of River Falls, Wisconsin

Project # 16-ENG-001
Project Name North Interceptor Sewer Rerouting

Type Improvement
Useful Life
Category Infrastructure

Department Wastewater
Contact Reid Wronski
Priority

Status Active



Description

This project will construct a new gravity flow sewer from the St. Croix Street Outfall to the existing N Main St Lift Station. A routing study will lead to the selection of a specific route and completion of Preliminary Design. With an approved Preliminary Design, acquisition of ROW will begin and design will proceed to Final Design. The last stage of construction will be to remove the N. Main lift station from service.

Justification

With this sewer complete, the N Main St Lift station will be able to be removed from service.

Expenditures	2017	2018	2019	2020	2021	Total
Acquisition of Property	530,000					530,000
Design		200,000				200,000
Total	530,000	200,000				730,000

Funding Sources	2017	2018	2019	2020	2021	Total
Sewer - Utility Funds	530,000	200,000				730,000
Total	530,000	200,000				730,000

Budget Impact/Other

Construction of this sewer will likely decrease annual expenses due to elimination of daily inspections of lift station and elimination of electrical loads for lift station.

Capital Improvement Plan

2017 *thru* 2021

City of River Falls, Wisconsin

Project # 16-ENG-003
Project Name North Interceptor Rehabilitation

Type Improvement
Useful Life
Category Infrastructure

Department Wastewater
Contact Reid Wronski
Priority

Status Active



Description

This project will start with preliminary design for a future up-sizing of the existing N Interceptor from the St. Croix St. Outfall to the south. This will identify hopeful interim improvements that will coordinate with power plant, trail construction, and elimination of flat segments. It will then design these interim improvements and evaluate the remaining interceptor for rehabilitation that allows us to maximum its useful life before up-sizing.

Justification

Videotaping of this line done in 2014 shows defects that should be addressed. There are two know flat sections of pipe that limit capacity that cannot be fixed without a plan and physical open cut replacement. The existing line cuts through an otherwise developable lot in TID 5 and wants to be relocated. The existing line will be beneath a riverside pathway extension planned for 2017 and proper provisioning for sewer needs to be identified and implemented.

Expenditures	2017	2018	2019	2020	2021	Total
Acquisition of Property	320,000					320,000
Construction	432,000	432,000	216,000	108,000		1,188,000
Planning	100					100
Design	60,000	40,000	20,000			120,000
Total	812,100	472,000	236,000	108,000		1,628,100

Funding Sources	2017	2018	2019	2020	2021	Total
Sewer - Utility Funds	812,100	472,000	236,000	108,000		1,628,100
Total	812,100	472,000	236,000	108,000		1,628,100

Budget Impact/Other

Limited impact.

Capital Improvement Plan
City of River Falls, Wisconsin

2017 *thru* 2021

Project # 16-MU-007
Project Name Front End Screening



Type Improvement **Department** Wastewater
Useful Life **Contact** Kevin Westhuis
Category Other **Priority**

Status Active

Description

Assess and replace the screening mechanism at the front end of the Waste Water Treatment Plant.

Justification

Expenditures	2017	2018	2019	2020	2021	Total
Equipment/Furnishings			100,000			100,000
Planning		15,000				15,000
Total		15,000	100,000			115,000

Funding Sources	2017	2018	2019	2020	2021	Total
Sewer - Utility Funds		15,000	100,000			115,000
Total		15,000	100,000			115,000

Budget Impact/Other

Capital Improvement Plan

2017 *thru* 2021

City of River Falls, Wisconsin

Project # 12-MU-023
Project Name Fire Hydrant Replacement

Type Equipment
Useful Life 25 years
Category Infrastructure

Department Water
Contact Kevin Westhuis
Priority ONGOING PROJECTS

Status Active



Description

RFMU has budgeted \$40,000 per year for replacement of some of the oldest or damaged hydrants. A hydrant replacement plan is being developed.

Justification

Planned programs to upgrade outdated hydrants to accommodate the Fire Department's large diameter supply line.

Expenditures	2017	2018	2019	2020	2021	Total
Equipment/Furnishings	40,000	40,000	40,000	40,000	40,000	200,000
Total	40,000	40,000	40,000	40,000	40,000	200,000

Funding Sources	2017	2018	2019	2020	2021	Total
Water - Utility Funds	40,000	40,000	40,000	40,000	40,000	200,000
Total	40,000	40,000	40,000	40,000	40,000	200,000

Budget Impact/Other

Capital Improvement Plan

2017 *thru* 2021

City of River Falls, Wisconsin

Project # 12-MU-024
Project Name Water Meter Replacement

Type Equipment
Useful Life 10 years
Category Equipment

Department Water
Contact Kevin Westhuis
Priority ONGOING PROJECTS

Status Active



Description

This includes purchase of meters for new construction and replacement of those that are not able to be rebuilt.

Justification

Meter replacement program, for new construction or retirements.

Expenditures	2017	2018	2019	2020	2021	Total
Equipment/Furnishings	50,000	50,000	50,000	50,000	50,000	250,000
Total	50,000	50,000	50,000	50,000	50,000	250,000

Funding Sources	2017	2018	2019	2020	2021	Total
Water - Utility Funds	50,000	50,000	50,000	50,000	50,000	250,000
Total	50,000	50,000	50,000	50,000	50,000	250,000

Budget Impact/Other

Capital Improvement Plan

2017 *thru* 2021

City of River Falls, Wisconsin

Project # 12-MU-026
Project Name North Zone Water Tower



Type Improvement
Useful Life 25 years
Category Infrastructure

Department Water
Contact Kevin Westhuis
Priority IMPORTANT

Status Active

Description

North water tower is projected to be built within the next five years. Design for a tower located in Whitetail Ridge Corporate Park has been completed, costs are allocated between water impact fees and water revenues based on the 2014 impact fee study completed by Trilogy Consulting

Justification

The tower is needed to properly serve the north side of River Falls.

Expenditures	2017	2018	2019	2020	2021	Total
Construction					2,000,000	2,000,000
Total					2,000,000	2,000,000

Funding Sources	2017	2018	2019	2020	2021	Total
Revenue Bonds					1,395,200	1,395,200
Water Impact Fees					604,800	604,800
Total					2,000,000	2,000,000

Budget Impact/Other

Capital Improvement Plan

2017 *thru* 2021

City of River Falls, Wisconsin

Project # 12-MU-028
Project Name Water Main Extension - North Loop Extension



Type Improvement
Useful Life 25 years
Category Infrastructure
Department Water
Contact Reid Wronski
Priority IMPORTANT

Status Active

Description

This project will bring high pressure zone water service and looping to the Sterling Ponds Business Park. It will extend the N Interceptor sewer from Sterling Ponds Corporate Park west under Highway 35 to serve N Paulson Road. A portion of N Paulson Road will be served by extension of sanitary sewer from Whitetail Ridge Corporate Park. After installation of these utilities, Paulson Road will be finished with curb, gutter, and a 10' multi modal trail on its west side.

Justification

Water service to Sterling Ponds Business Park will not be looped until this project is undertaken leaving it susceptible to water outages in the unlikely event of a water main break. Furthermore, water pressures in Sterling Ponds will remain adequate but low until it is joined to the high pressure zone in Whitetail Ridge Corporate Park. Finally, available fire flow ranges from 1,500 to 2,500 gpm in Sterling Ponds Business Park. Fire flow needs for light industrial are typically 2,000 to 3,500+. While this looping project will provide for redundancy and higher pressures, the full benefit of improved fire flows will not be realized until elevated water storage is constructed within the zone (Project # 12-MU-026). Construction year of 2021 is meant to coordinate with tower construction.

Expenditures	2017	2018	2019	2020	2021	Total
Acquisition of Property		75,000				75,000
Construction					2,420,000	2,420,000
Design	240,000					240,000
Total	240,000	75,000			2,420,000	2,735,000

Funding Sources	2017	2018	2019	2020	2021	Total
Sewer - Utility Funds	60,000	75,000			580,000	715,000
Tax Increment District	60,000				640,000	700,000
Water - Utility Funds	120,000				1,200,000	1,320,000
Total	240,000	75,000			2,420,000	2,735,000

Budget Impact/Other

Project will add more sewer, water, curb, trail, and road surface to our system increasing annual operating and maintenance budgets.

Capital Improvement Plan
City of River Falls, Wisconsin

2017 *thru* 2021

Project # 14-MU-055
Project Name Well #7



Type Improvement **Department** Water
Useful Life 25 years **Contact** Kevin Westhuis
Category Infrastructure **Priority** IMPORTANT

Status Active

Description

Planning and design for Well #7, costs estimated. Allocation between impact fees and water revenues based on the 2014 water impact study completed by Trilogy Consulting.

Justification

Anticipated costs for new well to serve development.

Expenditures	2017	2018	2019	2020	2021	Total
Construction					1,600,000	1,600,000
Planning				100,000		100,000
Total				100,000	1,600,000	1,700,000

Funding Sources	2017	2018	2019	2020	2021	Total
Water - Utility Funds				100,000	839,710	939,710
Water Impact Fees					760,290	760,290
Total				100,000	1,600,000	1,700,000

Budget Impact/Other

Capital Improvement Plan
City of River Falls, Wisconsin

2017 *thru* 2021

Project # 16-MU-005
Project Name Driveway at Golf View Water Tower



Type Improvement **Department** Water
Useful Life **Contact** Kevin Westhuis
Category Infrastructure **Priority**

Status Active

Description

Resurfacing the driveway and parking area at Golf View Water Tower. A curb extension will be installed to keep overflow water from running into the adjacent property.

Justification

The driveway and parking area is currently in bad condition.

Expenditures	2017	2018	2019	2020	2021	Total
Equipment/Furnishings		15,000				15,000
Total		15,000				15,000

Funding Sources	2017	2018	2019	2020	2021	Total
Water - Utility Funds		15,000				15,000
Total		15,000				15,000

Budget Impact/Other

City of River Falls, Wisconsin

Vehicle Replacement Plan

2017 thru 2021

PROJECTS BY DEPARTMENT

Department	Project#	Priority	2017	2018	2019	2020	2021	Total
Utilities								
2002 Ford Windstar	UT20902	6	30,000					30,000
1999 1/2 Ton	UT21099	6	26,500					26,500
2005 1 1/2 Ton	UT21505	6	200,000					200,000
2002 Ford F-150	UT22202	6	30,000					30,000
2004 3/4 Ton	UT22504	6			40,500			40,500
Rough Terrain Forklift	UT24498	n/a	35,000					35,000
Service Truck	UT24499	n/a		85,000				85,000
Truck 208	UT24500	n/a					80,000	80,000
Utilities Total			321,500	85,000	40,500		80,000	527,000
GRAND TOTAL			321,500	85,000	40,500		80,000	527,000



June 13, 2016

To: Utility Advisory Board

From: Tracy Biederman, Accountant

Re: **May 2016** Financial Statements

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

Electric fund: Total revenue for the five months ending is \$5,352,817. Year to date total expenses are \$5,232,403; generating a net income of \$120,414.

- Charges for services have decreased by \$301,033. The driving factor is the Power Cost Adjustment Clause (PCAC). This charge is factored from the variance in current cost of power and the base cost of power purchased. 2016 revenues include \$554,371 factored from the PCAC, whereas in 2015 for same period the revenues were \$844,145.
 - kWh sold in 2016 is almost flat at 48,100,774 versus 2015 sales of 48,079,399. (+21,375 kWh) As WPPI continues to recognize cost savings in the wholesale power bills that are passed onto the members; the Electric Utility's PCAC charge will continue to remain low.
- WPPI's wholesale power bill for the five months ending has a \$305,509 savings as compared to 2015.
- Period ending cash and investments balance is a positive \$7.68 million.

Water fund: Total revenue for the water fund is \$678,328. Year to date total expenses are \$731,270.

- Total Water consumption increased 4.5 million gallons from last year over for the five months' ending. Industrial and multi-family categories account for 5.3 million gallons and irrigation increased 416,600 gallons. The remaining 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 \$1.45 million.

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

Sewer fund: Year to date revenue for the sewer fund is \$1,388,483. Year to date total expenses are \$1,088,690.

- Revenues in aggregate increased 3% due to the increase in water consumption.
- Operation expenses are lower for labor and timing of chlorine purchases year over year.
- Year to date Treatment Facility project has expended \$253,225.
- Period ending cash and investments balance is a positive \$7.32 million.

The Utility has an overall net gain of \$307,792.

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



Financial Statement May 2016

	Current Year				
	Budget	Month	-T-D	Budgeted	Prior -T-D
610 - Electric					
Revenue					
Charges for Services	\$14,189,533	\$914,977	\$5,187,558	37%	\$5,488,591
Interest	\$15,000	\$2,152	\$16,491	110%	\$10,480
Miscellaneous	\$622,488	\$26,761	\$144,316	23%	\$133,323
Other Financing	\$30,000	\$(1,435)	\$4,452	15%	\$98,629
Total Revenue	14,857,021	942,455	5,352,817	36	5,731,022
Expense					
Hydraulic Power Generation	\$32,569	\$1,957	\$31,420	96%	\$21,052
Purchased Power	\$10,866,597	\$725,850	\$3,743,031	34%	\$4,048,540
Transmission	\$25,997	\$438	\$3,650	14%	\$51,042
Distribution	\$1,106,753	\$63,389	\$353,624	32%	\$387,183
Customer Accounts	\$621,039	\$42,601	\$208,080	34%	\$198,816
Administrative & General	\$394,911	\$22,287	\$143,051	36%	\$143,463
Other Operating Expenses	\$764,700	\$72,789	\$341,366	45%	\$327,603
Debt Service	\$277,008	\$25,183	\$125,913	45%	\$0
Transfers to Other Funds	\$767,447	\$56,454	\$282,270	37%	\$264,706
Total Expense	14,857,021	1,010,947	5,232,403	35	5,630,269
Net Total 610 - Electric	0	(68,492)	120,414	36	288,618



Financial Statement May 2016

	Current Year				
	Budget	Month	-T-D	Budgeted	Prior -T-D
620 - Water					
Revenue					
Charges for Services	\$1,313,137	\$122,221	\$550,580	42%	\$539,665
Interest	\$3,474	\$500	\$2,713	78%	\$805
Miscellaneous	\$459,145	\$10,915	\$56,029	12%	\$43,888
Other Financing	\$85,080	\$11,130	\$69,006	81%	\$55,650
Total Revenue	1,860,836	144,766	678,328	36	640,008
Expense					
Transmission	\$437,754	\$31,818	\$149,658	34%	\$172,288
Pumping	\$139,492	\$8,609	\$45,683	33%	\$56,672
Water Treatment	\$75,901	\$21,891	\$40,651	54%	\$32,641
Customer Accounts	\$117,111	\$6,934	\$31,814	27%	\$29,488
Administrative & General	\$187,321	\$12,699	\$71,716	38%	\$64,048
Other Operating Expenses	\$365,844	\$36,901	\$184,772	51%	\$183,881
Debt Service	\$66,119	\$5,364	\$27,271	41%	\$29,077
Transfers to Other Funds	\$471,294	\$35,941	\$179,706	38%	\$167,267
Total Expense	1,860,836	160,156	731,270	39	735,362
Net Total 620 - Water	0	(15,390)	(52,942)	38	(95,354)



Financial Statement May 2016

	Current Year				
	Budget	Month	-T-D	Budgeted	Prior -T-D
630 - Waste Water					
Revenue					
Charges for Services	\$3,079,754	\$266,043	\$1,302,641	42%	\$1,263,738
Interest	\$4,500	\$1,408	\$9,727	216%	\$4,355
Miscellaneous	\$36,614	\$4,222	\$27,662	76%	\$23,302
Other Financing	\$59,480	\$7,815	\$48,453	81%	\$39,075
Total Revenue	3,180,348	279,488	1,388,483	44	1,330,470
Expense					
Operation	\$529,477	\$30,554	\$155,806	29%	\$173,846
Maintenance	\$558,637	\$24,209	\$113,055	20%	\$141,801
Bio Solids	\$394,000	\$34,702	\$151,691	39%	\$164,989
Customer Accounts	\$285,187	\$7,156	\$32,993	12%	\$29,109
Administrative & General	\$360,773	\$27,088	\$136,735	38%	\$116,818
Other Operating Expenses	\$493,000	\$43,438	\$217,087	44%	\$216,478
Debt Service	\$99,737	\$20,262	\$197,511	198%	\$66,177
Transfers to Other Funds	\$459,537	\$15,162	\$75,811	16%	\$75,811
Total Expense	3,180,348	202,570	1,080,690	34	985,029
Net Total 630 - Waste Water	0	76,917	307,792	39	345,441



Balance Sheet May 2016

FUND	Description	Period Net Change	Account Balance
610 Electric			
Assets		Total Assets	55,091.44
			21,124,491.29
	Cash and Investments	81,135.57	7,685,780.22
	Accounts Receivable	(76,148.24)	1,070,425.20
	Prepaid & Inventory	94,352.68	737,714.07
	Construction in Progress	15,586.49	199,278.10
	Capital Assets	5,290.62	24,340,282.24
	A/D Capital Assets	(65,125.68)	(13,017,850.54)
	Deferred Resources	0.00	108,862.00
Liabilities		Total Liabilities	(123,583.43)
			(1,007,070.52)
	Accounts Payable	(102,054.35)	(957,940.93)
	Non-Current Liab	2,835.00	(92,240.75)
	Debt Outstanding	818.55	(107,983.62)
	Deferred Resources	(25,182.63)	151,094.78
Fund Balance		Total Fund Balance	68,491.99
			(20,117,420.77)
	Fund Balance	68,491.99	(20,117,420.77)
		Total Liabilities + Fund Balance	(55,091.44)
			(21,124,491.29)



Balance Sheet May 2016

FUND	Description	Period Net Change	Account Balance
620 Water			
Assets	Total Assets	(116,995.69)	15,567,239.35
	Cash and Investments	(91,289.66)	1,456,475.37
	Accounts Receivable	12,722.07	132,437.40
	Prepaid & Inventory	(1,592.97)	55,320.12
	Non-Current Assets	65.45	337,556.33
	Construction in Progress	0.00	94,354.41
	Capital Assets	0.00	18,892,461.55
	A/D Capital Assets	(36,900.58)	(5,446,161.83)
	Deferred Resources	0.00	44,796.00
Liabilities	Total Liabilities	101,605.34	(1,899,102.57)
	Accounts Payable	(16,204.31)	(43,085.90)
	Non-Current Liab	14.86	(29,330.59)
	Debt Outstanding	117,794.79	(1,826,686.08)
Fund Balance	Total Fund Balance	15,390.35	(13,668,136.78)
	Fund Balance	15,390.35	(13,668,136.78)
Total Liabilities + Fund Balance		116,995.69	(15,567,239.35)



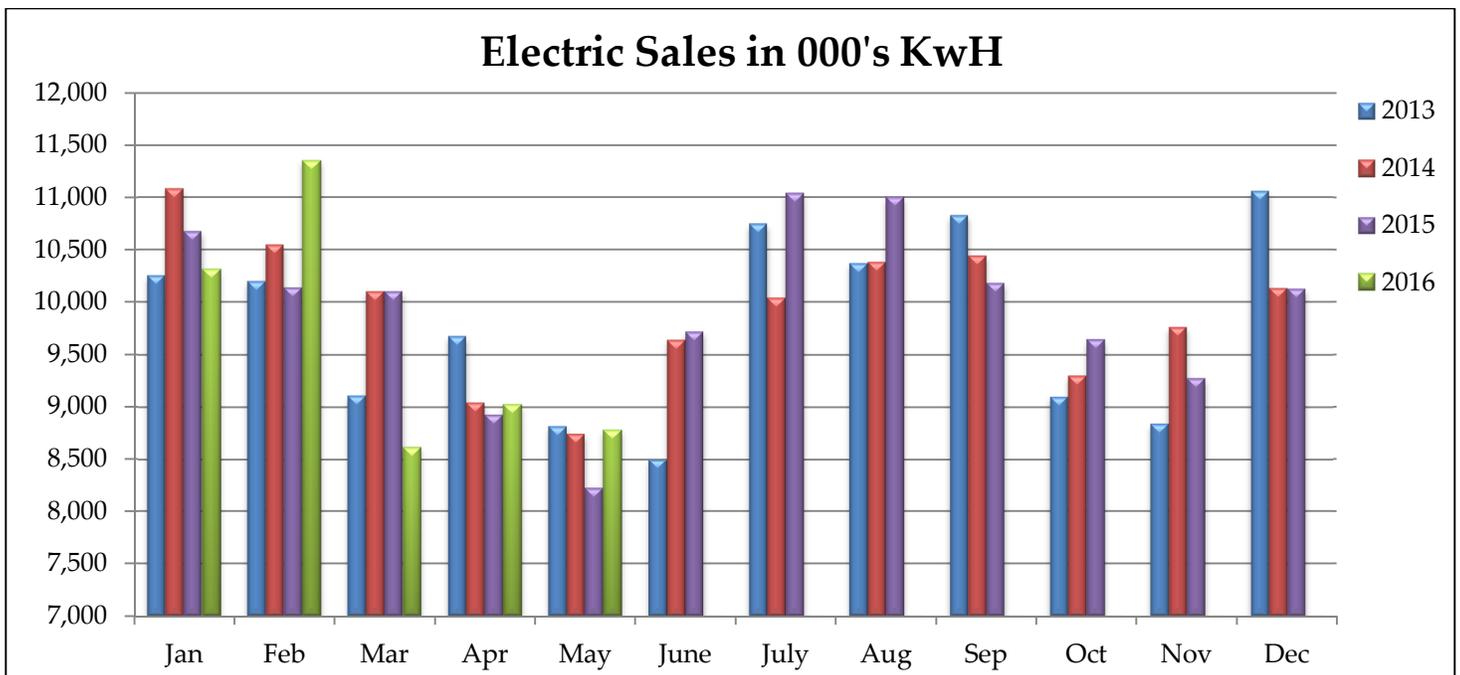
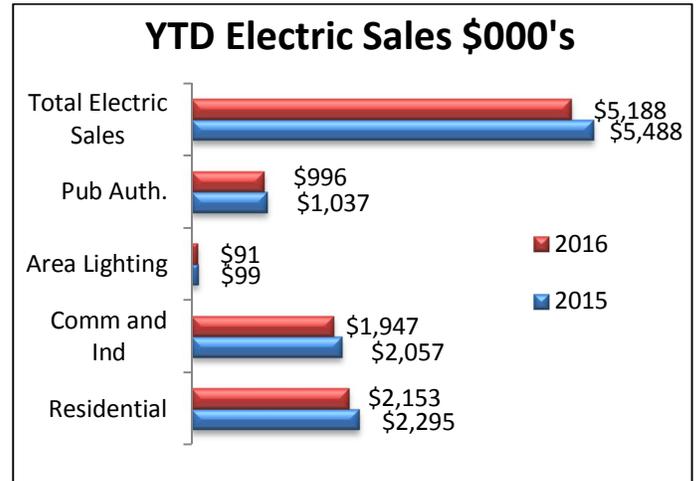
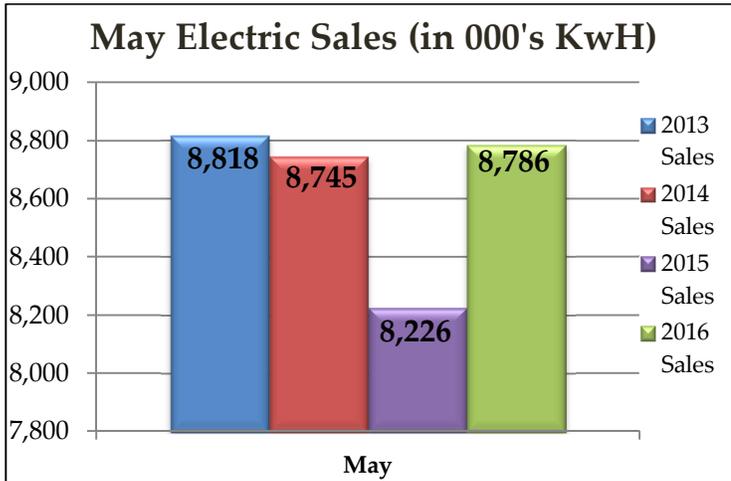
Balance Sheet May 2016

FUND	Description	Period Net Change	Account Balance
630 Waste Water			
Assets		Total Assets	(484,764.18)
			27,277,071.13
	Cash and Investments	(475,775.12)	7,329,201.61
	Accounts Receivable	(11,851.88)	316,469.60
	Prepaid & Inventory	(2,619.58)	28,982.18
	Non-Current Assets	146.30	411,206.99
	Construction in Progress	48,773.79	602,650.48
	Capital Assets	0.00	27,811,941.54
	A/D Capital Assets	(43,437.69)	(9,284,217.27)
	Deferred Resources	0.00	60,836.00
Liabilities		Total Liabilities	561,681.60
			(9,536,808.35)
	Accounts Payable	91,350.20	(148,003.92)
	Non-Current Liab	271,976.00	38,064.29
	Debt Outstanding	200,369.01	(9,591,321.44)
	Deferred Resources	(2,013.61)	164,452.72
Fund Balance		Total Fund Balance	(76,917.42)
			(17,740,262.78)
	Fund Balance	(76,917.42)	(17,740,262.78)
		Total Liabilities + Fund Balance	484,764.18
			(27,277,071.13)

River Falls Municipal Utility

⚡ Electric Dashboard ⚡

May 2016 Electric Sales

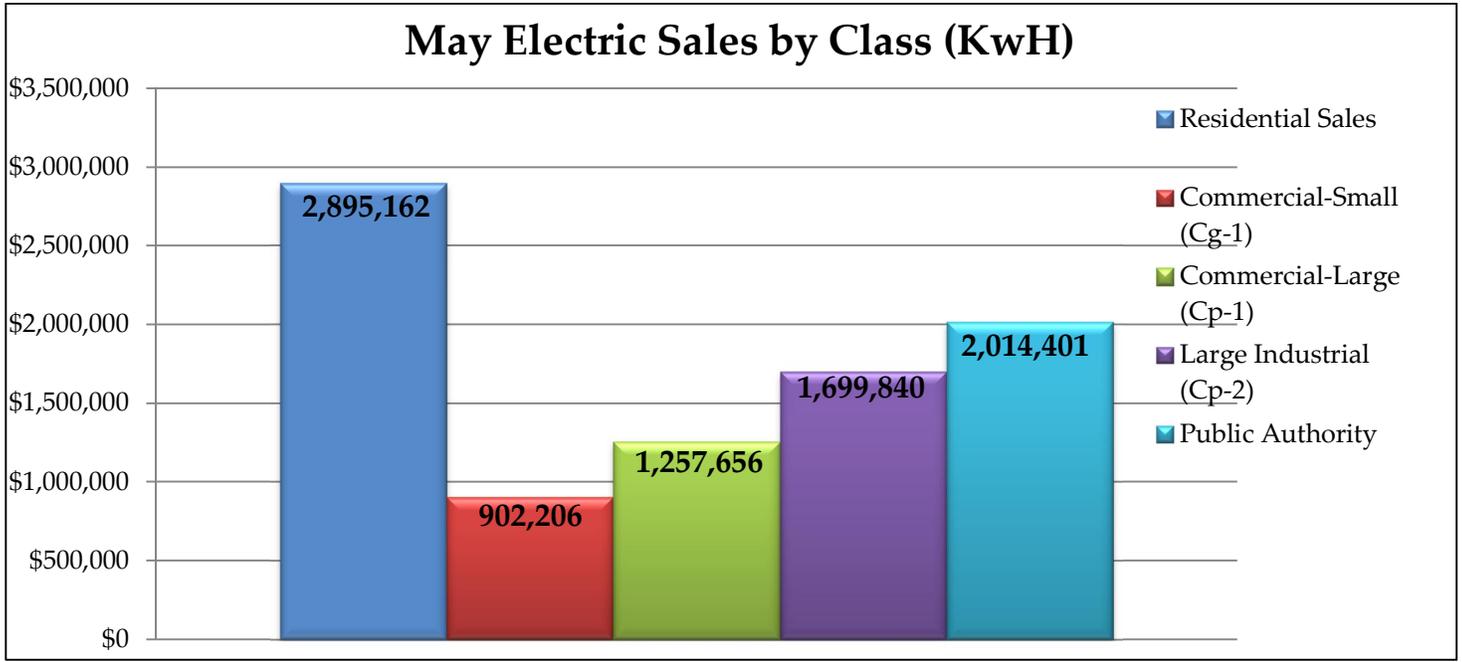


The Power of Community

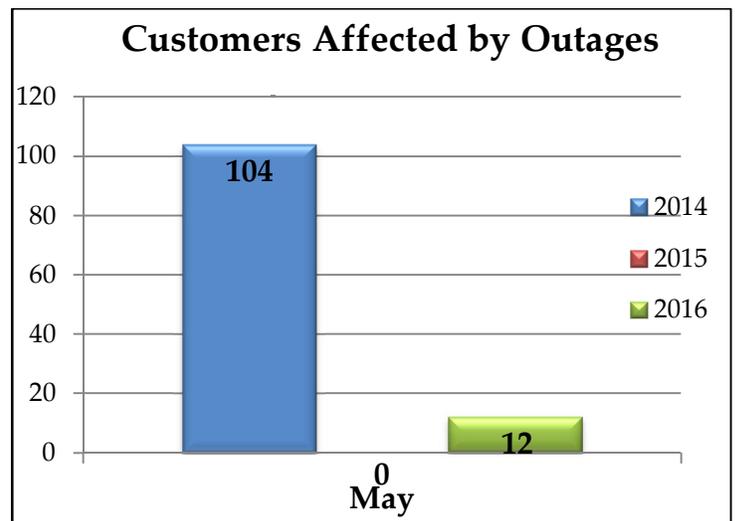
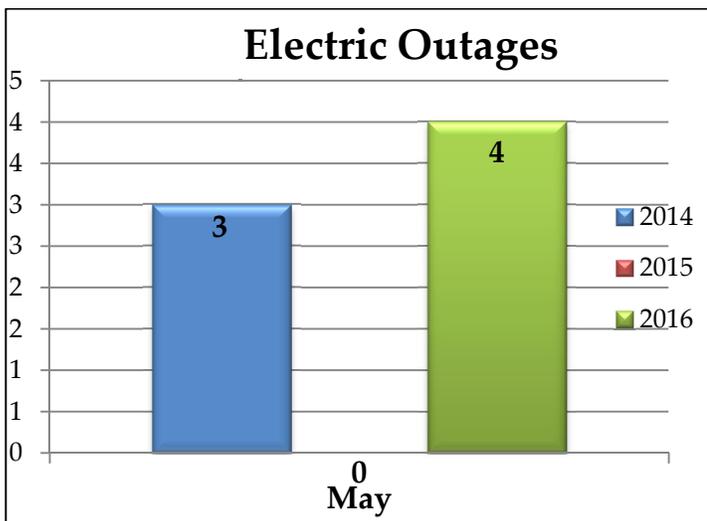
River Falls Municipal Utility

Electric Dashboard

May 2016



Electric Outages



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

River Falls Municipal Utility

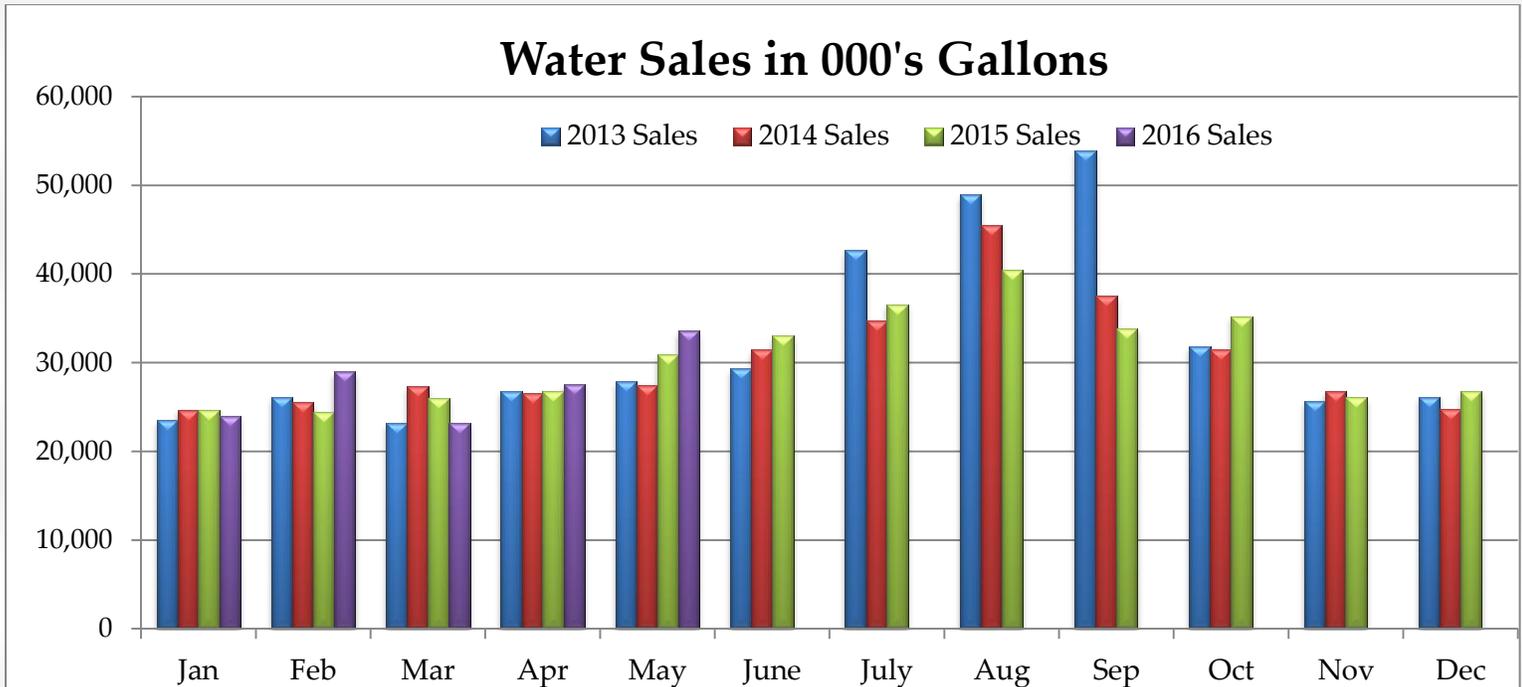
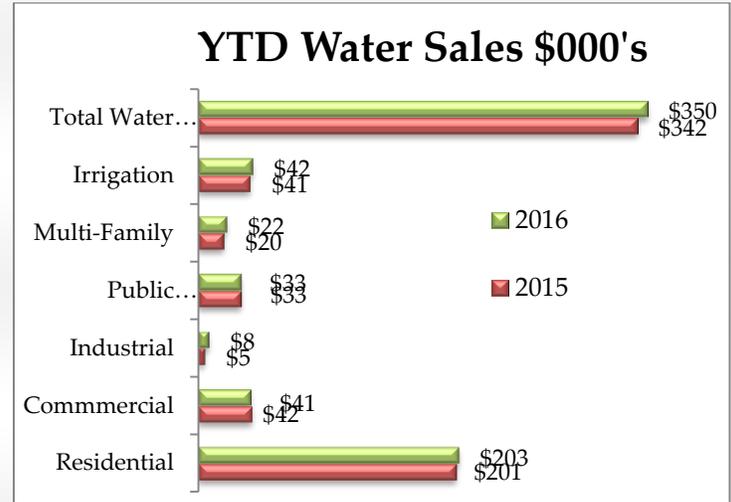
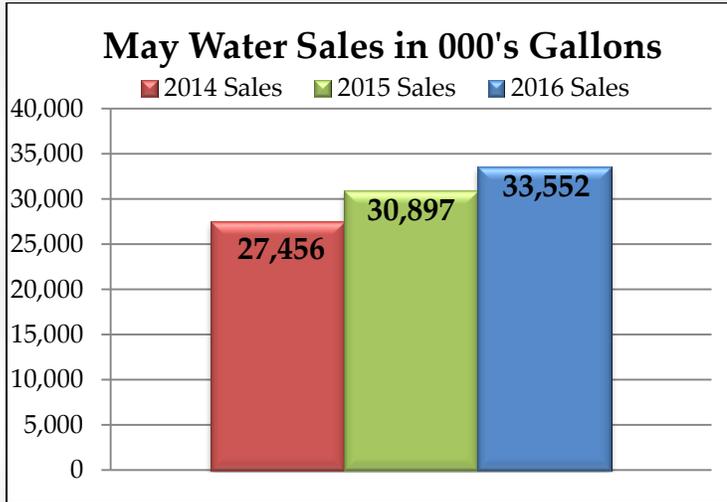


Water Dashboard



May 2016

Water Sales



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

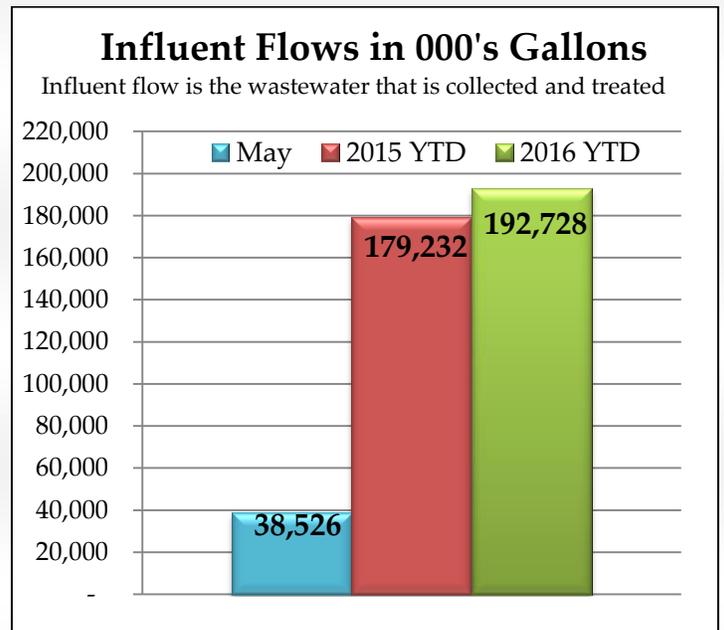
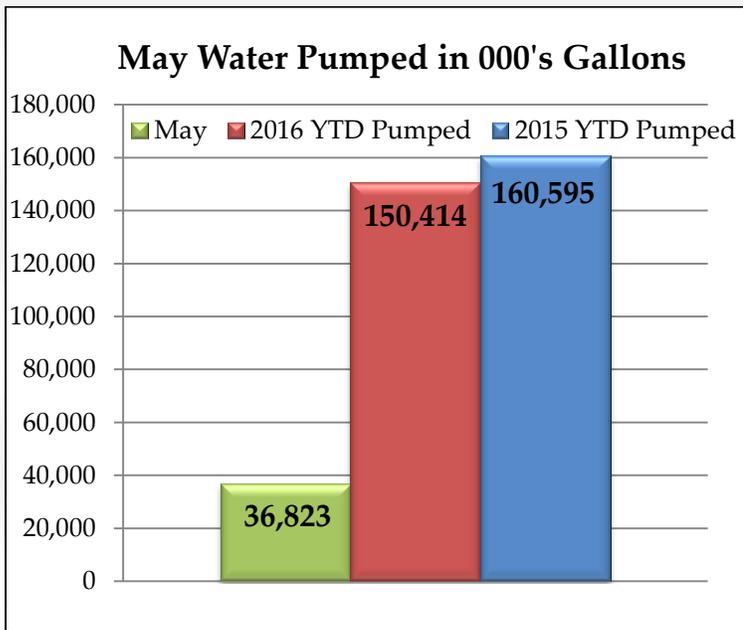
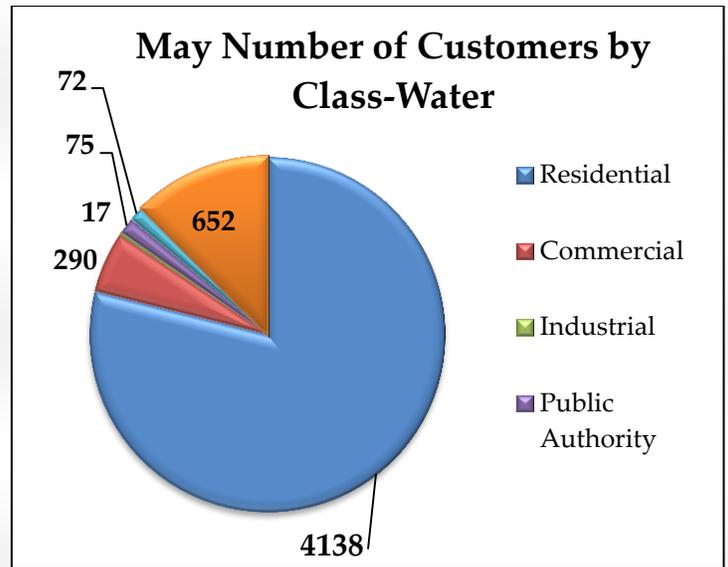
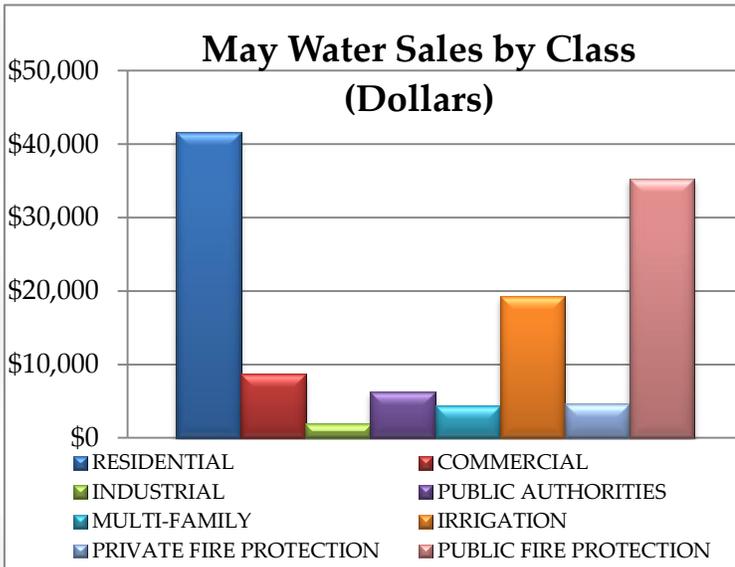
River Falls Municipal Utility



Water Dashboard



May 2016



Used as a comparison between water pumped versus water treated.

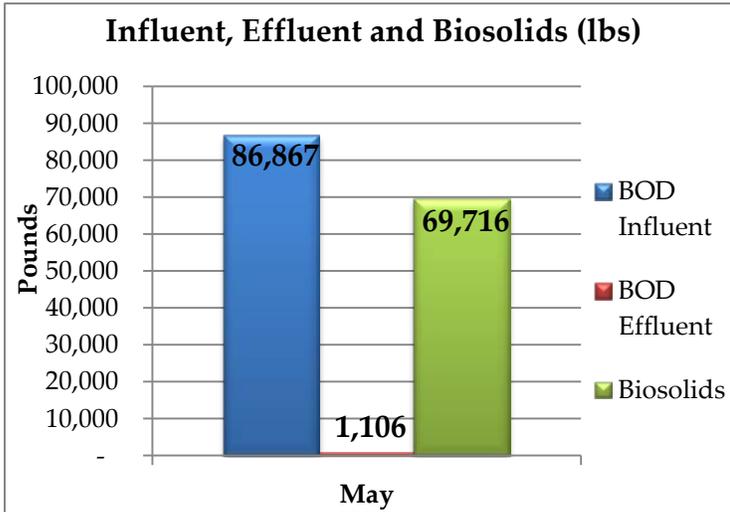


For more information please contact: Kevin Westhuis
(715) 426-3442 or kwesthuis@rfcity.org

River Falls Municipal Utilities Waste Water Treatment Plant

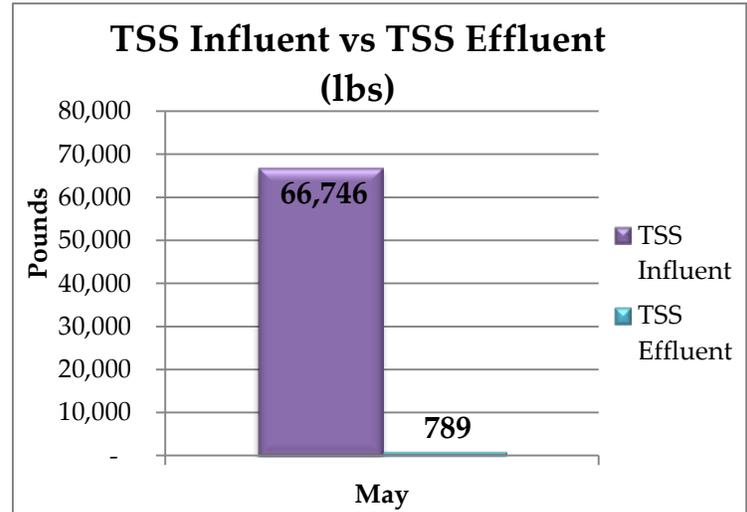
For May 2016

Influent, Effluent and Biosolids (lbs.)



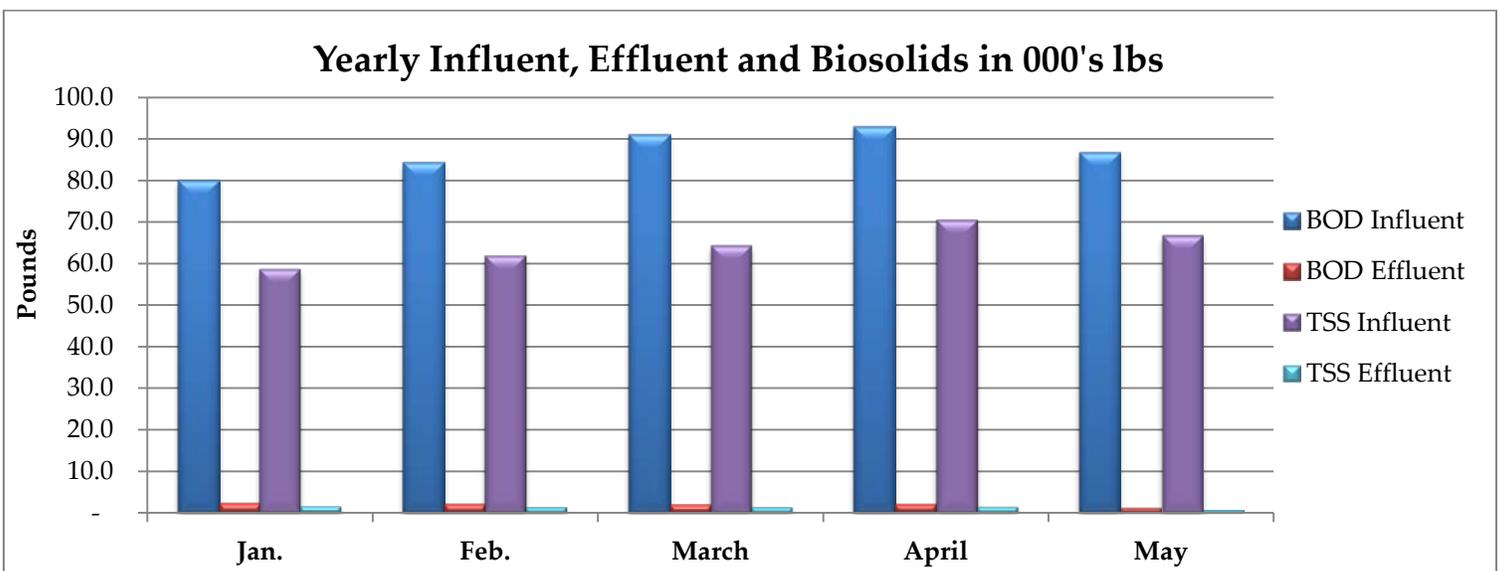
The Biochemical Oxygen Demand (BOD) Influent and BOD Effluent pounds represent pounds of oxygen needed for treatment.

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.

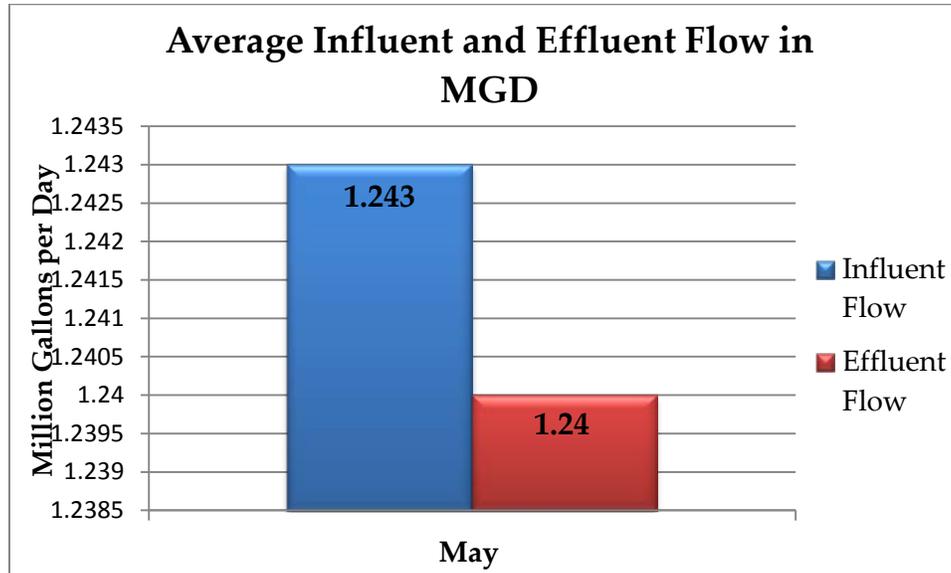
Yearly BOD and TSS Influent and Effluent (in 000's lbs.)



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
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River Falls Municipal Utilities Monthly Report

May 2016



ELECTRIC

- Maintenance repairs performed. This is maintenance work found through our required system inspections.
- Substation monthly inspections completed.
- Underground services continue on a weekly basis.
- Replaced street lights with LED fixtures. Repaired the ones that could replace with bulbs and photo eyes.
- Meter readings continue monthly with meter reads.
- Hydro's are checked on daily.
- Finished Capacitor Bank inspections. We did have to preplace one of the capacitor in the inspections.
- An outage occurred from a cutout failing (broke apart) at Family Fresh service. A cutout is what holds a fuse in and helps protect the equipment. Since then, inspections were performed on the cutouts that were installed in the same time as this one that failed and have found a few more that are failing. Those are being replaced to help prevent any more unplanned outages for our customers.
- Finished with the removal with the Kinni Drug and Alcohol Facility.
- Disconnects have continued this month, and will continue throughout the summer and fall.
- Some switching has been done with transmission line RF 6 and RF 12. There were concerns after IR scanning with some hot spots on the switches. Just operating these have remedied this concern.
- Energis was in to look over the North Substation. There were some concerns with water in the oil of the compartment of the Load Tap Changer (LTC); this adjusts the voltage on this transformer. Inspected and replaced oil in this compartment and no signs of any visible water getting into the compartment at this time. The concern was that there was sludge in there that could cause damage to the transformer.
- Helped with the UWRF shut down on the May 22nd, so they could do maintenance at their facilities.
- Training sessions with the MEUW JT&S instructor this month.
- A pole and anchors were moved at Family Fresh, for the new walkway to Winter Street that will be going in sometime this summer.



RIVER FALLS WASTE WATER TREATMENT FACILITY

- Gave UW-River Falls students tours of the WWTP.
- The main lift pump # 2 tripping out on over current. Split the pump apart and removed small pieces of baby wipes wedged between the pump wear plate and impeller.
- Sludge ditch mixer #5 failure. Replaced with rebuilt unit the same day.
- Received new sump pump for grit building and started the installation.
- Concrete floor for new sludge handling building was poured and walls going up.



- Met with subcontractors to discuss pending bypass procedures for installing new 20 inch valve and clarifier sump pit replacement.
- Finished rebuilding the spare sludge ditch mixer.
- On May 20th there was a short power outage at approximately 7:30 a.m. The backup generator started, but in the process of switching to backup power, two RAS pump VFDs failed and would not restart. Staff had to electrically bypass one of the VFDs to have a backup pump.
- On May 23rd Jake McNabb from the water department started cross training with Paul Ahlborn in the lab, learning the daily testing procedures required for wastewater treatment.
- On May 25th staff had a new sludge storage building project meeting at the plant. The project is on schedule and going well.
- On May 27th, the lab heating and cooling unit was not working (no cooling). Chad from UHL Company found a failed condenser fan cycle switch. He also cleaned condenser coil and replaced filters.
- Received 6000 gallons from the UWRF grease trap holding tank.



WATER/SEWER

- Valve exercising as required by the DNR has been underway and is about half completed.
- Hydrant flushing that is usually done in June is being pushed out until after Sycamore tower rehabilitation/painting project is complete.
- Onsite large compound meter testing will be starting now that school is out for the year.
- All water samples tested for the month have been proven safe.
- Cloudy water situation on Union and 8th Streets caused from shutting down the Sycamore Water Tower was investigated and addressed. Pressure spikes and drops also caused from the Sycamore Water Tower shut down were investigated, documented and addressed.
- Well pumping is now averaging 1.5 MGD, up from the usual 1 MGD in cold weather.
- Our summer Intern, Ryan Fitzgerald, from Vermillion Water and Waste Water School has proven an asset to us while he is getting the knowledge in the field he requires for his education.
- Cross connection inspections being done along with meter change outs are going well as a system for managing documentation has been better implemented. We need to get about 275 done per year to be in compliance.

ENGINEERING TECH WORK

- Four new home laterals
- Finish manhole specifications
- Mapping projects: attach sanitary video's to map (by power plant & others)
- Continue work with Hurco Valve Software and field crew (mapping, statistics, resolve field discrepancies, etc.)
- Three plan reviews (Sterling CSM, revised plans for the incubator building, and First National Bank addition)
- Gathered numerous documents for Jamie Neils & Reid for the North interceptor project
- Field work (field confirm) below power plant the MH layout (N. Interceptor project).
- Miscellaneous GPS and mapping (GPS WWTP building, Sanitary and hydrant by UW-River Falls)
- Gathered various data for TKDA (N. Interceptor project)
- Chapman Drive joint trench maps for Wayne
- Bid opening for Chapman Drive
- Met with USIC about various locates
- GPS & map Xcel structures for the Mann Valley Annexation (Issues pertaining to Electric boundary with Xcel)
- Continue work on infrastructure age
- Assist/train engineering interns on various items (gps & mapping)
- Work with Crystal on the Sanitary MH issues in the St Croix pond (N. Interceptor project) and surveyors on this project
- Work with Greg on check valve issue around RF Hospital
- Start GPS work on Chapman joint trench



CONSERVATION AND EFFICIENCY

- Community Solar
 - Continuing to sell shares to the community
 - Currently 183 panels under contract
- Weatherization program
 - Invitation letters were sent to approximately 75 income eligible customers to participate in the program
 - The costs of the Home Energy Assessments are covered by Focus on Energy as is a significant cost of the weatherization.
 - We expect to begin actual weatherization of the homes in late June.
- Research
 - The research project continues to progress with input and assistance from multiple departments in the City and UWRF
 - Research title: *Establishment of Pollinator Friendly Vegetation Under Solar Panels in a Community Solar Garden*
- Green Block Program
 - The percentage green power of total electric use in River Fall is at 15%.
 - 15% ranks River Falls 25th in the nation
 - Our ranking of 25th did not change from 2014
- Business Customers
 - Met with large power customers and Focus on Energy rep to create customized Focus on Energy incentives. Customized incentives are time consuming for the efficiency coordinator and Focus on energy rep. but it gives the customer assurance they are meeting all the requirements of the programs, they lock in the incentive dollars and gets the paperwork completed sooner rather than later.
 - Met with local electrician to help him with his understanding of Focus on Energy and our local programs. Completed 2 applications for local businesses.
 - Provided NCCM with an incentive check resulting from the New Construction Design Assistance program. NCCM installed a heat recovery system on their ovens.
- Schools
 - Student intern Hunter Henk completed his internship
 - Hunter did an excellent job with tasks assigned, but also did job shadows with police, ambulance, water, and wastewater.
 - RFMU and the River Falls High School have agreed to have an internship again in the second semester of 2017.
- 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 has received excellent media attention.

-
- The program is working like expected; the bikes are being used, most are returned, but not all and Crankworxs is keeping busy with repairs.
 - Upon request the Blue Bike program will expand to Whitetail corporate park in June
 - Also due to the great Facebook response, we are now accepting donations of bikes
 - Utility Box Beautification project
 - The artwork has begun on 2 out of the 4 boxes
 - Committees
 - Forward Foundation
 - Blue Bike Program
 - Green Teams
 - UW-River Falls Sustainability Working Group
 - UW-River Falls Energy Management Team
 - Focus on Energy – utilities advisory group
 - Leadership River Falls – Youth



For April 1, 2016 – April 30, 2016

Move in applications = 138
New Access My Account = 75
Disconnected Services = 50
Reconnected Services = 47

As of **5-26-16** we had a total of 6682 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.

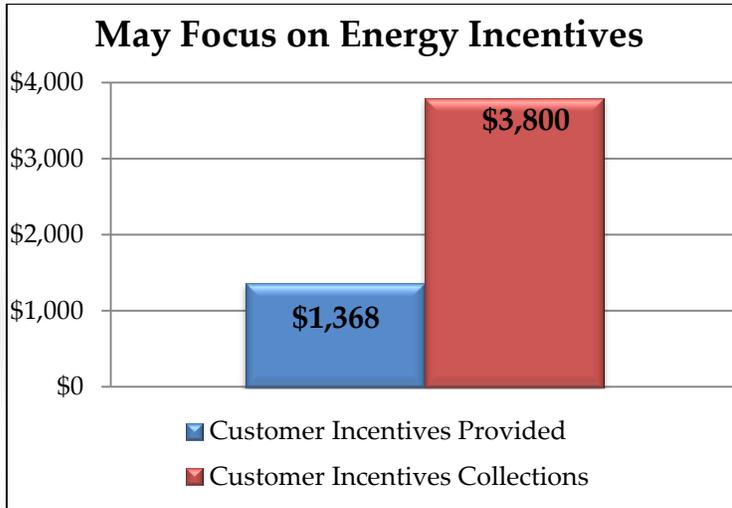
Disconnected – These are the number of services (electric or water) disconnected for non-payment and or properties in foreclosure with outstanding balances.

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

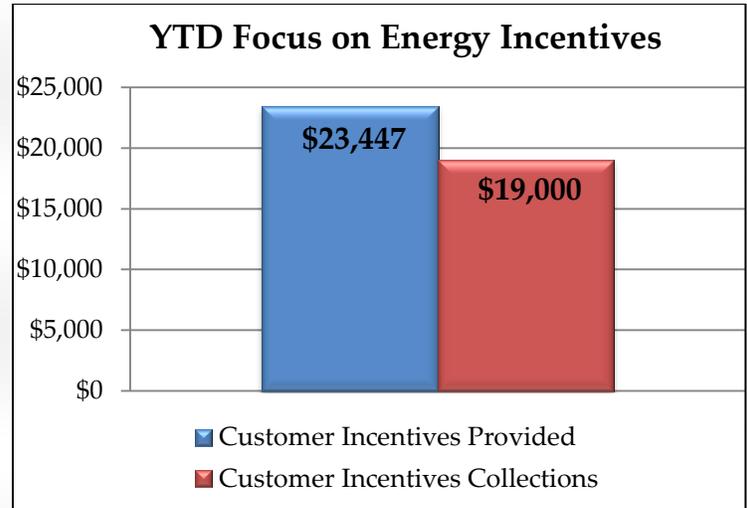
POWERful Choices! Dashboard

For May 2016

Focus on Energy Program

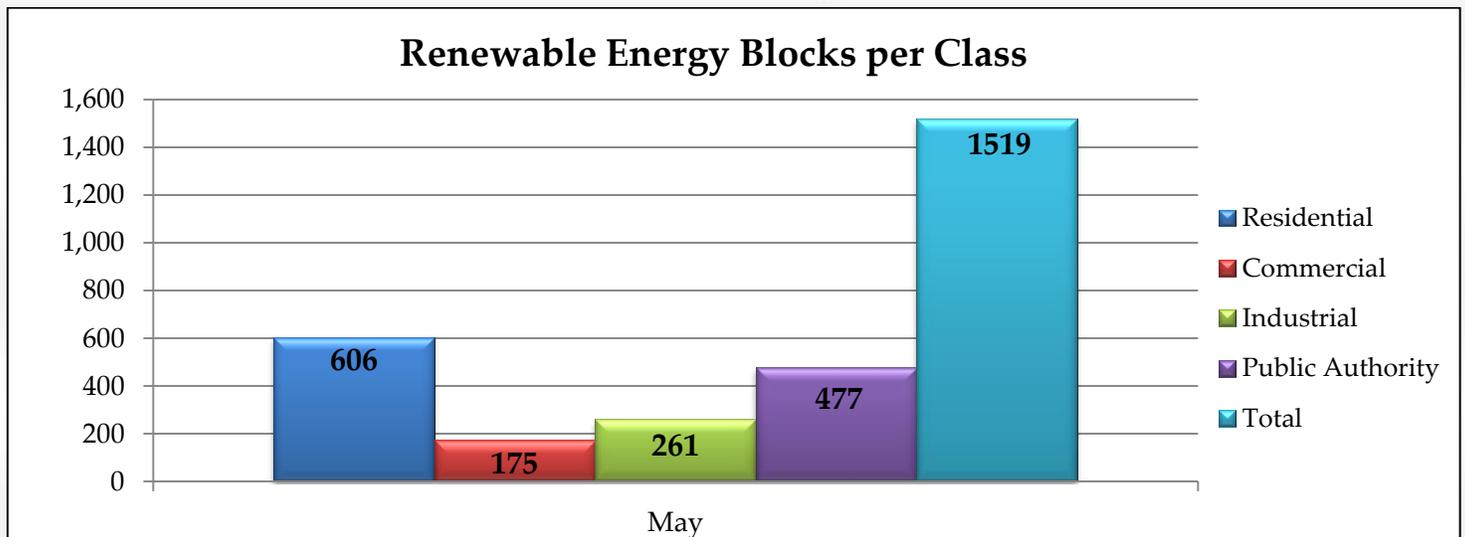


The total customer incentives provided for January compared to the customer incentives collections from Focus on Energy.



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

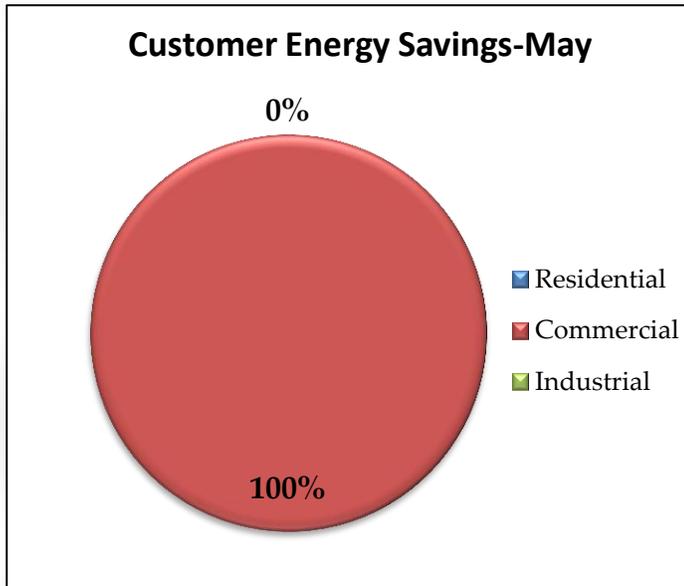
Renewable Energy Blocks



Renewable energy blocks are sold at \$3 for 300kWh of renewable energy.

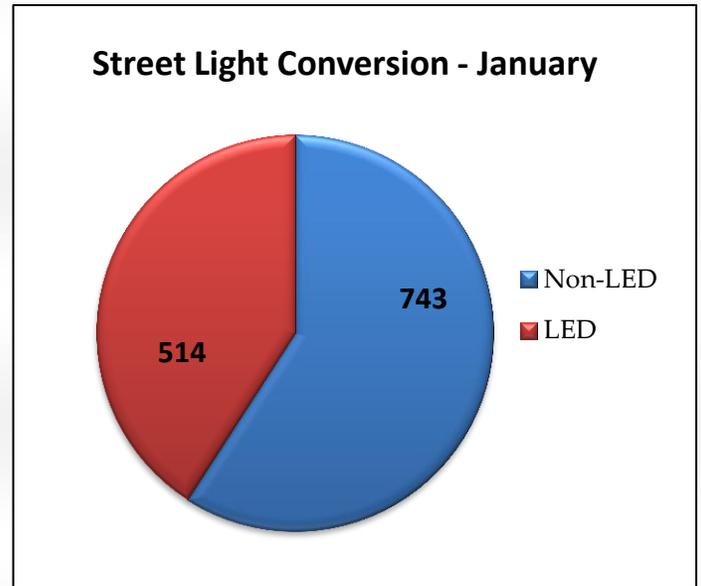
POWERful Choices! Dashboard

Energy Savings



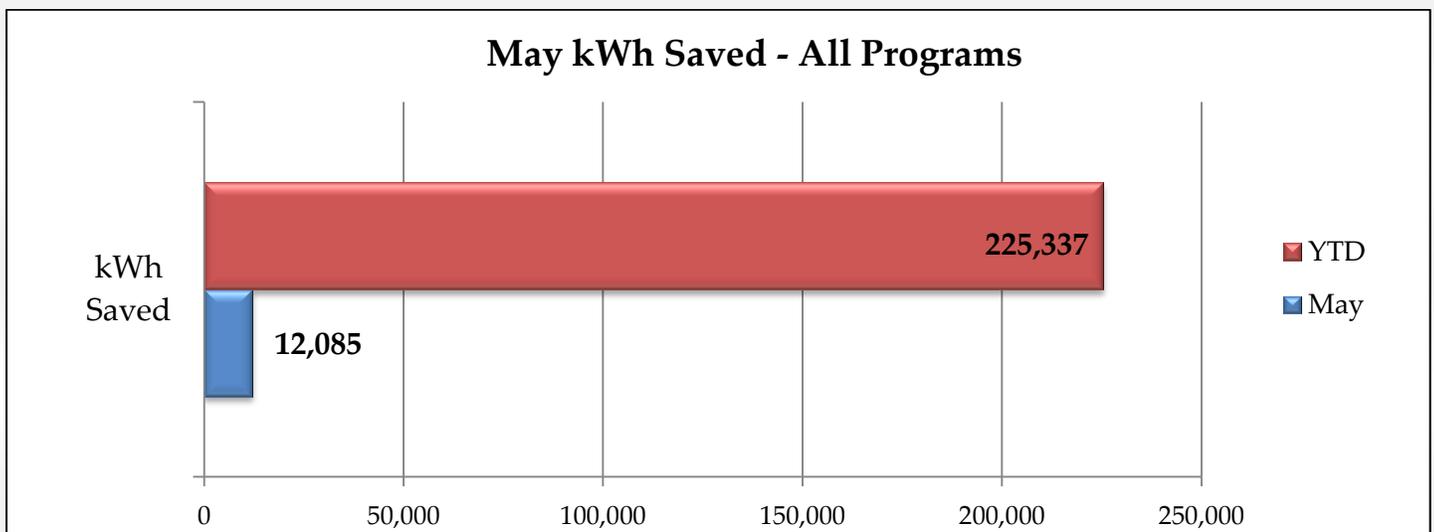
Monthly cumulative percentage of kilowatt hours saved per customer sector.

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

Renewable Energy Blocks



River Falls currently ranks 5th in the nation for customer participation and 1st in Wisconsin. The current level of customer participation in Renewable Energy Blocks is 8.14 percent. The goal is to reach 10 percent customer participation.