



AGENDA

Utility Commission Meeting
Waupun Utilities – 817 S Madison St.
Waupun, WI P.O. Box 431

Monday, September 09, 2019 AT 4:00 PM

There is a regular commission meeting scheduled for Monday, September 09, 2019, at 4:00 PM at the Waupun Utilities Administrative Building located on 817 S. Madison Street, Waupun, Wisconsin.

CALL TO ORDER

ROLL CALL OF COMMISSIONERS

APPROVAL OF PREVIOUS MEETING MINUTES

1. 8-12-2019 Commission Meeting Minutes

APPROVAL OF PAYMENT - PREVIOUS MONTHS BILLS

2. 08-2019 Accounts Payable

GM REPORT / OPERATIONS REPORT

3. GM Report
4. Water and Wastewater Report
5. Electric Operations Report

FINANCIAL REPORT / APPROVAL OF MONTHLY FINANCIAL RESULTS

APPEARANCE BY VISITORS

AGENDA

6. Ehlers Senior Municipal Advisor Phil Cosson Presentation on Refunding 2014 and 2016 Water and Electric Revenue Bonds
7. Discuss and Take Action on Refunding 2014 and 2016 Water and Electric Revenue Bonds
8. Discuss and Take Action on Budget Amendment for the Purchase of Electric Distribution Assets from Alliant Energy for Transfer Area 4
9. Sewer Rate Study - Test Year 2023 Revenue Requirement

CLOSED SESSION

The Waupun Utilities Commission will adjourn in closed session under Section 19.85 (1) (e) of the WI Statutes for the following:

(e) Deliberating or negotiating the purchasing of public properties, the investing of public funds, or conducting other specified public business, whenever competitive or bargaining reasons require a closed session.

10. Negotiations for Biomass Sales Agreement

OPEN SESSION

The Waupun Utilities Commission will reconvene in open session under Section 19.85 (2) of the WI Statutes.

ACTION FROM CLOSED SESSION

ADJOURNMENT

Upon reasonable notice, efforts will be made to accommodate disabled individuals through appropriate aids and services. For additional information, contact the General Manager at 920-324-7920.

**Minutes of a Regular Meeting of the
Waupun Utilities Commission
Monday, August 12, 2019**

The meeting was called to order by President Heeringa at 4:00 p.m.

Commissioners Gerritson, Heeringa, Homan, Kaczmariski, Mielke, Thurmer, and Westphal were present.

Motion made by Thurmer, seconded by Homan and unanimously carried, to approve the minutes from the June 10, 2019, regular meeting.

On motion by Gerritson, seconded by Kaczmariski and unanimously carried, bills for the months of June and July 2019 were approved as presented.

General Manager Posthuma reported on Legislative Act 14 put into effect regarding the deployment of 5G advanced wireless equipment in municipal rights-of-way within the state. Municipal electric utilities will receive guidelines and model agreements, through Municipal Electric Utilities of WI (MEUW), to provide a consistent approach when negotiating future contracts.

Water & Sewer Maint/Treatment Supervisor reported that Whole Effluent Toxicity testing is complete for the third quarter. The testing is a measurement of potential effluent discharge toxicity to aquatic life in our receiving stream. The water and sewer crew continues to work on jetting the sanitary system, along with hydrant and valve maintenance.

Electric Supervisor Brooks reported on electrical work on the portion of Madison Street construction, several new residential electric services, and installation of new switchgear and distribution feeder from the Main substation. Report made of two outages due to Madison Street construction incidents, and one additional outage caused by a primary cable fault.

On motion by Westphal, seconded by Homan and unanimously carried, the year-to-date financial reports through July 2019 were approved as presented. Electric operating income was \$133,600 or \$30,800 below budget on lower margins and higher distribution expense. Water operating income was \$481,700 or \$93,500 above budget on higher revenues and lower operating expenses. Sewer operating income was \$234,300 or \$78,700 above budget on higher revenues and lower maintenance expenses.

Mike Peters, CEO of Wisconsin Public Power Inc (WPPI), presented “The Power of Great Places”, focusing on what this means for Waupun as a member-owner of WPPI Energy. WPPI Energy is Waupun’s power provider, and in addition offers diverse and competitive power supply, shared services and technology, and advocacy to promote and protect energy policy interests.

Discussion held on the history of water property tax equivalent paid to the City of Waupun, and projected increases due to water infrastructure replacement project costs. The request to lower the property tax equivalent will provide relief to the water utility ensuring water rates continue to be adequate to meet operation and maintenance needs and continue to replace aging water infrastructure. Motion made by Kaczmariski, that the Utilities Commission support and recommend the Resolution Authorizing Lower Water Property Tax Equivalent to the Common Council for adoption as presented. Motion carried, with a vote of five votes aye, and one vote nay.

Discussion held on the water utility long-term capital improvement plan funding options. In 2021, the cash requirements for planned capital projects will result in significant cash deficit that would impair the financial health of the water utility and will persist through 2026. An option to refund the 2014 and 2016 revenue bonds and extend the debt service by an additional five years would provide adequate cash to maintain the existing capital infrastructure replacement plan.

Management will work with Ehlers on the refunding proposal and bring it forward in September for review and approval.

On motion by Homan, seconded by Westphal and unanimously carried, the meeting was adjourned at 6:00 p.m.

The next commission meeting is scheduled on September 9, 2019, at 4:00 p.m.

Nancy Oosterhouse
Mapping/Admin Coordinator

Vendor Number	Invoice Number	Description	Invoice Date	Invoice Amount	Check Amount	Check Number	Check Issue Date
ADVANCED DISPOSAL							
720	E10001357635	SANITARY CHRGS/MAIN OFFC BLDG	07/31/2019	164.36	164.36	45058	08/15/2019
	E10001357635	SANITARY CHRGS/MAIN OFFC BLDG	07/31/2019	102.72	102.72	45058	08/15/2019
	E10001357635	SANITARY CHRGS/MAIN OFFC BLDG	07/31/2019	143.81	143.81	45058	08/15/2019
	E10001358242	rev SANITARY CHRGS FOR WWTP	07/31/2019	1,702.76	1,702.76	45058	08/15/2019
Total ADVANCED DISPOSAL:				2,113.65	2,113.65		
AGNESIAN WORK & WELLNESS SAH							
825	28512	Breath Alcohol, DOT Drug Screen-C.Flegner	08/01/2019	82.50	82.50	45059	08/15/2019
Total AGNESIAN WORK & WELLNESS SAH:				82.50	82.50		
AIRGAS USA INC							
855	9963587215	ACETYLENE/OXYGEN/NITROGEN	07/31/2019	22.88	22.88	45060	08/15/2019
	9963587215	ACETYLENE/OXYGEN/NITROGEN	07/31/2019	22.88	22.88	45060	08/15/2019
	9963587215	ACETYLENE/OXYGEN/NITROGEN	07/31/2019	22.89	22.89	45060	08/15/2019
Total AIRGAS USA INC:				68.65	68.65		
ALLIANT ENERGY							
900	183035/AUG 02, 20	Gas Utility for Water Plant	08/02/2019	250.53	250.53	45061	08/15/2019
	4370/JULY 31, 2019	GAS UTIL BILL FOR SWG PLNT	07/31/2019	282.44	282.44	45061	08/15/2019
	590516/JULY 31, 20	Split Distribution - Main Bldg	07/31/2019	3.41	3.41	45061	08/15/2019
	590516/JULY 31, 20	Split Distribution - Main Bldg	07/31/2019	2.72	2.72	45061	08/15/2019
	590516/JULY 31, 20	Split Distribution - Main Bldg	07/31/2019	2.72	2.72	45061	08/15/2019
	590516/JULY 31, 20	Split Distribution - Main Bldg	07/31/2019	18.39	18.39	45061	08/15/2019
	590516/JULY 31, 20	Split Distribution - Main Bldg	07/31/2019	18.39	18.39	45061	08/15/2019
	590516/JULY 31, 20	Split Distribution - Main Bldg	07/31/2019	18.39	18.39	45061	08/15/2019
	590516/JULY 31, 20	Split Distribution - Main Bldg	07/31/2019	1.36	1.36	45061	08/15/2019
	590516/JULY 31, 20	Split Distribution - Main Bldg	07/31/2019	1.36	1.36	45061	08/15/2019
	590516/JULY 31, 20	Split Distribution - Main Bldg	07/31/2019	1.37	1.37	45061	08/15/2019
Total ALLIANT ENERGY:				601.08	601.08		
APPLIED TECHNOLOGIES							
1340	34151 PROJ# 6353	Engineering Upgrades for WWTP Project	08/06/2019	43,935.27	43,935.27	45062	08/15/2019
Total APPLIED TECHNOLOGIES:				43,935.27	43,935.27		
AUTO PLUS AUTO PARTS							
1700	0398532460	Testing Voltage Hi-Lo reads	08/12/2019	3.88	3.88	45063	08/15/2019
	0398532460	Testing Voltage Hi-Lo reads	08/12/2019	3.87	3.87	45063	08/15/2019
	0398532460	Testing Voltage Hi-Lo reads	08/12/2019	3.87	3.87	45063	08/15/2019
Total AUTO PLUS AUTO PARTS:				11.62	11.62		
BALLWEG IMPLEMENT CO INC.							
2400	P70007	Power Washer Rotating Nozzlte Attachment	08/09/2019	107.93	107.93	45064	08/15/2019
Total BALLWEG IMPLEMENT CO INC.:				107.93	107.93		
BEAR GRAPHICS							
2503	0827349	Laser Check Order	07/29/2019	88.48	88.48	45065	08/15/2019
	0827349	Laser Check Order	07/29/2019	70.33	70.33	45065	08/15/2019
	0827349	Laser Check Order	07/29/2019	68.07	68.07	45065	08/15/2019
	0828566	Laser Check Order	08/12/2019	72.88	72.88	45065	08/15/2019

Vendor Number	Invoice Number	Description	Invoice Date	Invoice Amount	Check Amount	Check Number	Check Issue Date
	0828566	Laser Check Order	08/12/2019	57.93	57.93	45065	08/15/2019
	0828566	Laser Check Order	08/12/2019	56.06	56.06	45065	08/15/2019
Total BEAR GRAPHICS:				413.75	413.75		
BL VREE PLUMBING LLC							
3100	124	Remove Deris frm Wtr Line @ 126 S. Madison St	08/05/2019	61.57	61.57	45066	08/15/2019
	135	Reconnect Serv to 401 E. Main St	08/12/2019	65.63	65.63	45066	08/15/2019
	148	Repair Kitchen Faucet @ 316 S. Madison St	08/12/2019	109.38	109.38	45066	08/15/2019
Total BL VREE PLUMBING LLC:				236.58	236.58		
BLACKSTONE TECHNOLOGIES LLC							
3105	191002	Coal Patch Mix	07/31/2019	128.52	128.52	45067	08/15/2019
	191002	Coal Patch Mix	07/31/2019	128.52	128.52	45067	08/15/2019
	191002	Coal Patch Mix	07/31/2019	257.04	257.04	45067	08/15/2019
Total BLACKSTONE TECHNOLOGIES LLC:				514.08	514.08		
BRABAZON PUMPE COMPANY Ltd							
3330	5175026	Kseser Compressor Repair, Labor, Mileage	08/03/2019	459.30	459.30	45068	08/15/2019
Total BRABAZON PUMPE COMPANY Ltd:				459.30	459.30		
CINTAS FIRE 636525							
5880	OF37500696	ANNL MAINT - FIRE EXTINGUISHERS @ WWTP	08/05/2019	302.08	302.08	45069	08/15/2019
Total CINTAS FIRE 636525:				302.08	302.08		
CRANE ENGINEERING SALES INC							
6450	388910-00	Fe Pump for Bldg# 15	08/12/2019	3,600.85	3,600.85	45070	08/15/2019
Total CRANE ENGINEERING SALES INC:				3,600.85	3,600.85		
CT LABORATORIES							
6610	147336	Sludge Testing	08/07/2019	360.00	360.00	45071	08/15/2019
Total CT LABORATORIES:				360.00	360.00		
DEPT OF ADMINISTRATION							
7070	505-0000039804	PB FEES - LOW INCOME ENERGY ASISST	08/08/2019	7,904.71	7,904.71	45072	08/15/2019
Total DEPT OF ADMINISTRATION:				7,904.71	7,904.71		
DIGGERS HOTLINE INC.							
7300	190 7 31801	MONTHLY LOCATE TICKET CHRGS	07/31/2019	215.28	215.28	45073	08/15/2019
Total DIGGERS HOTLINE INC.:				215.28	215.28		
ENVIROTECH EQUIPMT CORP							
8505	19-0011319	VAC-Con Pressure Gauge for unit#20	08/14/2019	9.70	9.70	45074	08/15/2019
	19-0011319	VAC-Con Pressure Gauge for unit#20	08/14/2019	9.70	9.70	45074	08/15/2019
	19-0011319	VAC-Con Pressure Gauge for unit#20	08/14/2019	77.60	77.60	45074	08/15/2019
Total ENVIROTECH EQUIPMT CORP:				97.00	97.00		

Vendor Number	Invoice Number	Description	Invoice Date	Invoice Amount	Check Amount	Check Number	Check Issue Date
FARM & HOME SUPPLY							
9200	475905-JULY 2019	MISCELLANEOUS ITEMS	07/31/2019	40.91	40.91	45075	08/15/2019
	475905-JULY 2019	MISCELLANEOUS ITEMS	07/31/2019	23.47	23.47	45075	08/15/2019
	475905-JULY 2019	MISCELLANEOUS ITEMS	07/31/2019	23.49	23.49	45075	08/15/2019
	475905-JULY 2019	MISCELLANEOUS ITEMS	07/31/2019	87.53	87.53	45075	08/15/2019
	475905-JULY 2019	MISCELLANEOUS ITEMS	07/31/2019	108.21	108.21	45075	08/15/2019
	475905-JULY 2019	MISCELLANEOUS ITEMS	07/31/2019	122.48	122.48	45075	08/15/2019
	475905-JULY 2019	MISCELLANEOUS ITEMS	07/31/2019	7.96	7.96	45075	08/15/2019
	475905-JULY 2019	MISCELLANEOUS ITEMS	07/31/2019	50.31	50.31	45075	08/15/2019
	475905-JULY 2019	MISCELLANEOUS ITEMS	07/31/2019	19.98	19.98	45075	08/15/2019
	475905-JULY 2019	MISCELLANEOUS ITEMS	07/31/2019	19.98	19.98	45075	08/15/2019
	475905-JULY 2019	MISCELLANEOUS ITEMS	07/31/2019	25.95	25.95	45075	08/15/2019
	475905-JULY 2019	MISCELLANEOUS ITEMS	07/31/2019	25.00	25.00	45075	08/15/2019
Total FARM & HOME SUPPLY:				553.27	553.27		
GUELG WASTE REMOVAL							
11690	47434	RENTAL OF 20yd DUMPSTER - ELEC DEPT	08/07/2019	485.00	485.00	45076	08/15/2019
Total GUELG WASTE REMOVAL:				485.00	485.00		
HACH COMPANY							
12050	11585306	Ammonia TNT+, ULR	08/08/2019	1,240.90	1,240.90	45077	08/15/2019
Total HACH COMPANY:				1,240.90	1,240.90		
HOMAN AUTO SALES INC							
12800	1011560	Brake Switch for Unit#13	08/13/2019	17.04	17.04	45078	08/15/2019
Total HOMAN AUTO SALES INC:				17.04	17.04		
HYDROCORP INC.							
13985	0053196	CROSS CONNECTION CONTROL PROG	07/31/2019	1,908.00	1,908.00	45079	08/15/2019
Total HYDROCORP INC.:				1,908.00	1,908.00		
INTEGRATED COMMUNICATIONS SERV							
14650	190801451101	TELEPHONE ANSWERING SERV-AFT	08/12/2019	97.04	97.04	45080	08/15/2019
	190801451101	TELEPHONE ANSWERING SERV-AFT	08/12/2019	77.14	77.14	45080	08/15/2019
	190801451101	TELEPHONE ANSWERING SERV-AFT	08/12/2019	74.65	74.65	45080	08/15/2019
Total INTEGRATED COMMUNICATIONS SERV:				248.83	248.83		
J & H CONTROLS INC							
16000	10000021057	BUILDING MAINTENANCE MTHLY CHR	07/17/2019	160.00	160.00	45081	08/15/2019
	10000021057	BUILDING MAINTENANCE MTHLY CHR	07/17/2019	100.00	100.00	45081	08/15/2019
	10000021057	BUILDING MAINT MTHLY CHR	07/17/2019	140.00	140.00	45081	08/15/2019
Total J & H CONTROLS INC:				400.00	400.00		
KRAUSE POWER ENGINEERING LLC							
17725	08102019	System Study	08/10/2019	5,372.50	5,372.50	45082	08/15/2019
Total KRAUSE POWER ENGINEERING LLC:				5,372.50	5,372.50		
LEDTRONICS INC							
18330	404617	LED 120w Security Light - 400w MH Replacement	07/31/2019	1,115.80	1,115.80	45083	08/15/2019

Vendor Number	Invoice Number	Description	Invoice Date	Invoice Amount	Check Amount	Check Number	Check Issue Date
Total LEDTRONICS INC:				1,115.80	1,115.80		
MARTELLE WATER TREATMENT INC.							
20250	18716	Ferric Chloride, Degree 37%-42%	08/07/2019	4,112.00	4,112.00	45084	08/15/2019
Total MARTELLE WATER TREATMENT INC.:				4,112.00	4,112.00		
MEUW							
23500	2019 ACCTG&CS S	Acctg & CS Seminar - Sept 26, 2019	08/14/2019	78.00	78.00	45085	08/15/2019
	2019 ACCTG&CS S	Acctg & CS Seminar - Sept 26, 2019	08/14/2019	62.00	62.00	45085	08/15/2019
	2019 ACCTG&CS S	Acctg & CS Seminar - Sept 26, 2019	08/14/2019	60.00	60.00	45085	08/15/2019
Total MEUW:				200.00	200.00		
MICHELS MATERIALS							
24200	376632	3/4" Dense Base and Utility Stone	07/27/2019	304.39	304.39	45086	08/15/2019
	376632	3/4" Dense Base and Utility Stone	07/27/2019	304.40	304.40	45086	08/15/2019
Total MICHELS MATERIALS:				608.79	608.79		
MSA PROFESSIONAL SERVICES INC							
28200	17 / R00019010.0	Design/Bidding Phase - Newton/Rock Ave	08/02/2019	1,612.75	1,612.75	45087	08/15/2019
	17 / R00019010.0	Design/Bidding Phase - Newton/Rock Ave	08/02/2019	2,849.25	2,849.25	45087	08/15/2019
	17 / R00019010.0	Construction Admin - Walker St Project	08/02/2019	147.62	147.62	45087	08/15/2019
	17 / R00019010.0	Construction Admin - Walker St Project	08/02/2019	147.63	147.63	45087	08/15/2019
Total MSA PROFESSIONAL SERVICES INC:				4,757.25	4,757.25		
NCL OF WISCONSIN INC							
33000	427003	WWTP Lab Supplies & Replacements	08/06/2019	411.44	411.44	45088	08/15/2019
Total NCL OF WISCONSIN INC:				411.44	411.44		
OFFICE DEPOT							
38880	347738139001	Credit on lost order inv#343163250001	07/23/2019	18.31-	18.31-	45089	08/15/2019
	347738139001	Credit on lost order inv#343163250001	07/23/2019	14.55-	14.55-	45089	08/15/2019
	347738139001	Credit on lost order inv#343163250001	07/23/2019	14.08-	14.08-	45089	08/15/2019
	347738528001	OFFICE SUPPLIES	07/25/2019	18.31	18.31	45089	08/15/2019
	347738528001	OFFICE SUPPLIES	07/25/2019	14.55	14.55	45089	08/15/2019
	347738528001	OFFICE SUPPLIES	07/25/2019	14.08	14.08	45089	08/15/2019
	348355543001	OFFICE SUPPLIES	07/25/2019	24.56	24.56	45089	08/15/2019
	348355543001	OFFICE SUPPLIES	07/25/2019	19.52	19.52	45089	08/15/2019
	348355543001	OFFICE SUPPLIES	07/25/2019	18.89	18.89	45089	08/15/2019
	354449335001	Foray Magnetic Board & Accessories	08/02/2019	173.23	173.23	45089	08/15/2019
Total OFFICE DEPOT:				236.20	236.20		
OSHKOSH OFFICE SYSTEMS							
39000	41088	MTHLY CLICK COUNTS	08/01/2019	38.65	38.65	45090	08/15/2019
	41088	MTHLY CLICK COUNTS	08/01/2019	30.72	30.72	45090	08/15/2019
	41088	MTHLY CLICK COUNTS	08/01/2019	29.72	29.72	45090	08/15/2019
Total OSHKOSH OFFICE SYSTEMS:				99.09	99.09		
PIGGLY WIGGLY							
41200	31JUL2019	SUPPLIES FOR KITCHEN,OFFC, ETC	07/31/2019	5.81	5.81	45091	08/15/2019

Vendor Number	Invoice Number	Description	Invoice Date	Invoice Amount	Check Amount	Check Number	Check Issue Date
	31JUL2019	SUPPLIES FOR KITCHEN,OFFC,ETC	07/31/2019	4.62	4.62	45091	08/15/2019
	31JUL2019	SUPPLIES FOR KITCHEN,OFFC,ETC	07/31/2019	4.47	4.47	45091	08/15/2019
Total PIGGLY WIGGLY:				14.90	14.90		
SEERA							
51535	WAUPUN/JULY 19	"WAUPUN" FOCUS PROGRAM FEE	07/31/2019	2,680.65	2,680.65	45092	08/15/2019
Total SEERA:				2,680.65	2,680.65		
SPEE-DEE							
52600	3809574	SERVICE CHRGS for WATER SAMPLES	07/29/2019	55.39	55.39	45093	08/15/2019
Total SPEE-DEE:				55.39	55.39		
STATE INDUSTRIAL PRODUCTS							
53200	901116602	FRESH DEFENSE	08/02/2019	364.06	364.06	45094	08/15/2019
Total STATE INDUSTRIAL PRODUCTS:				364.06	364.06		
TELEDYNE INSTRUMENTS INC.							
55900	S020345484	Temperature Sensor Wiring Assembly	08/13/2019	398.00	398.00	45095	08/15/2019
Total TELEDYNE INSTRUMENTS INC.:				398.00	398.00		
TIMECLOCK PLUS							
57000	506902	Clockable employee count over by two	08/03/2019	3.90	3.90	45096	08/15/2019
	506902	Clockable employee count over by two	08/03/2019	2.80	2.80	45096	08/15/2019
	506902	Clockable employee count over by two	08/03/2019	3.30	3.30	45096	08/15/2019
Total TIMECLOCK PLUS:				10.00	10.00		
ULINE							
59025	110796917	2/ea Pallet Rack shelvings	07/25/2019	2,229.07	2,229.07	45097	08/15/2019
Total ULINE:				2,229.07	2,229.07		
USA BLUE BOOK							
59600	973594	Fire Hydrant Oil	08/07/2019	195.40	195.40	45098	08/15/2019
Total USA BLUE BOOK:				195.40	195.40		
UTILITY SERVICE CO. INC.							
59800	483556	Pedisphere Tower Tank #2 - Annually	08/01/2019	16,568.22	16,568.22	45099	08/15/2019
Total UTILITY SERVICE CO. INC.:				16,568.22	16,568.22		
VAN BUREN, JEROME and/or SANDRA							
60800	AUGUST SOLAR C	SOLAR CREDIT	08/06/2019	496.37	496.37	45100	08/15/2019
Total VAN BUREN, JEROME and/or SANDRA:				496.37	496.37		
VERIZON WIRELESS							
62900	9834568430	CELLPHONE MTHLY EXPENSES	07/21/2019	118.94	118.94	45101	08/15/2019
	9834568430	CELPHONE MTHLY EXPENSES	07/21/2019	94.54	94.54	45101	08/15/2019
	9834568430	CELLPHONE MTHLY EXPENSES	07/21/2019	91.50	91.50	45101	08/15/2019
	9834568430	DPW'S MTHLY/DATA TABLET CHRGS	07/21/2019	53.10	53.10	45101	08/15/2019

WAUPUN UTILITIES

Paid Invoice Report - COMMISSION
Check issue dates: 8/15/2019 - 8/15/2019

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Vendor Number	Invoice Number	Description	Invoice Date	Invoice Amount	Check Amount	Check Number	Check Issue Date
Total VERIZON WIRELESS:				358.08	358.08		
WAUPUN NAPA AUTO PARTS							
73600	252058	Circuit Board for Unit#13	07/30/2019	42.19	42.19	45102	08/15/2019
	252305	Running Lamp Relay, Blstr Mini's unit#13	08/01/2019	20.97	20.97	45102	08/15/2019
	252553	Air Filter for Unit#4	08/05/2019	22.89	22.89	45102	08/15/2019
	253158	Blister Pack Capsules for Unit#147	08/12/2019	6.89	6.89	45102	08/15/2019
	253158	Blister Pack Capsules for Unit#147	08/12/2019	6.90	6.90	45102	08/15/2019
	253275	Air Filter for Unit#20	08/13/2019	5.38	5.38	45102	08/15/2019
	253275	Air Filter for Unit#20	08/13/2019	5.38	5.38	45102	08/15/2019
	253275	Air Filter for Unit#20	08/13/2019	43.03	43.03	45102	08/15/2019
Total WAUPUN NAPA AUTO PARTS:				153.63	153.63		
WAUPUN, CITY OF							
74400	560	Contaminated Soil - Madison St Rebuild	07/31/2019	172.00	172.00	45104	08/15/2019
	560	Contaminated Soil - Madison St Rebuild	07/31/2019	172.00	172.00	45104	08/15/2019
	563	Curb & Gutter - Rock Ave & Pioneer	08/07/2019	377.00	377.00	45104	08/15/2019
	563	Curb & Gutter - N. Madison & E. Franklin Sts	08/07/2019	203.75	203.75	45104	08/15/2019
	PROP TAX - AUG 2	Property Tax Pilot - August 2019	08/01/2019	23,700.00	23,700.00	45104	08/15/2019
	PROP TAX - AUG 2	Property Tax Pilot - August 2019	08/01/2019	31,100.00	31,100.00	45104	08/15/2019
	STRMWTR REC JU	Stormwater Receipts	07/31/2019	48,287.12	48,287.12	45104	08/15/2019
	TRASH/RECYCL J	Trash/Recycling Collection	07/31/2019	38,214.37	38,214.37	45104	08/15/2019
Total WAUPUN, CITY OF:				142,226.24	142,226.24		
WISCONSIN STATE LAB OF HYGIENE							
88300	600840-1 / 7002096	Fluoride	07/31/2019	26.00	26.00	45105	08/15/2019
Total WISCONSIN STATE LAB OF HYGIENE:				26.00	26.00		
WAUPUN UTILITES (Refund acct)							
100000	MARIO MARTINEZ	Ref Deposit Collected - 321 1/2 E. Main St	08/08/2019	203.48	203.48	45103	08/15/2019
Total WAUPUN UTILITES (Refund acct):				203.48	203.48		
Grand Totals:				248,769.93	248,769.93		

Vendor Number	Invoice Number	Description	Invoice Date	Invoice Amount	Check Amount	Check Number	Check Issue Date
ALLIANT ENERGY							
900	80105/AUG 19, 201	GAS UTILITY FOR WELLHOUSE #5	08/19/2019	14.70	14.70	45107	08/29/2019
	931084/AUG 15, 20	GAS UTIL @ WWTP GARAGE	08/15/2019	79.38	79.38	45107	08/29/2019
Total ALLIANT ENERGY:				94.08	94.08		
AUTO PLUS AUTO PARTS							
1700	039853727	HI-Power II Belt	08/21/2019	6.86	6.86	45108	08/29/2019
	039853728	HI-Power II Belt	08/22/2019	6.86	6.86	45108	08/29/2019
Total AUTO PLUS AUTO PARTS:				13.72	13.72		
BEAVER COMPANIES LLC							
2505	8245	Sealed Coated Parking Lot @ 200 N Forest	08/13/2019	1,928.00	1,928.00	45109	08/29/2019
	8245	Sealed Coated Parking Lot @ 817 S Madison	08/13/2019	7,236.46	7,236.46	45109	08/29/2019
	8245	Sealed Coated Parking Lot @ 817 S Madison	08/13/2019	4,522.79	4,522.79	45109	08/29/2019
	8245	Sealed Coated Parking Lot @ 817 S Madison	08/13/2019	6,331.90	6,331.90	45109	08/29/2019
Total BEAVER COMPANIES LLC:				20,019.15	20,019.15		
BL VREE PLUMBING LLC							
3100	181	Delta Seats at 112 S. Madison St	08/19/2019	68.52	68.52	45110	08/29/2019
Total BL VREE PLUMBING LLC:				68.52	68.52		
BLACKSTONE TECHNOLOGIES LLC							
3105	191013	BST-360 High Performance Patch Mix	08/12/2019	204.25	204.25	45111	08/29/2019
	191013	BST-360 High Performance Patch Mix	08/12/2019	204.26	204.26	45111	08/29/2019
	191013	BST-360 High Performance Patch Mix	08/12/2019	408.51	408.51	45111	08/29/2019
Total BLACKSTONE TECHNOLOGIES LLC:				817.02	817.02		
BORDER STATES ELECTRIC SUPPLY							
3300	918320958	Sq Washers, Safety Guy Wire Dspnsr	08/15/2019	487.00	487.00	45112	08/29/2019
	918330634	URD LONG SPLICE repair kit - 2/0 str	08/16/2019	306.24	306.24	45112	08/29/2019
	918330634	URD Quick SPLICE kit 2/0 str	08/16/2019	151.00	151.00	45112	08/29/2019
	918330634	Shipping & Handling	08/16/2019	7.80	7.80	45112	08/29/2019
	918391031	4/0 ALUMINUM QUAD	08/26/2019	2,514.05	2,514.05	45112	08/29/2019
	918400798	20' of 6" Split Duct	08/27/2019	473.25	473.25	45112	08/29/2019
Total BORDER STATES ELECTRIC SUPPLY:				3,939.34	3,939.34		
CHARTER COMMUNICATIONS							
5830	0033381081319/33	INTERNET SERVICES	08/13/2019	45.82	45.82	45113	08/29/2019
	0033381081319/33	INTERNET SERVICES	08/13/2019	36.42	36.42	45113	08/29/2019
	0033381081319/33	INTERNET SERVICES	08/13/2019	35.25	35.25	45113	08/29/2019
	0033381081319/33	MONTHLY SERVICE EXPENSE	08/13/2019	48.79	48.79	45113	08/29/2019
	0033381081319/33	MONTHLY SERVICE EXPENSE	08/13/2019	38.78	38.78	45113	08/29/2019
	0033381081319/33	MONTHLY SERVICE EXPENSE	08/13/2019	37.53	37.53	45113	08/29/2019
	0033381081319/33	Main Bldg (2nd line) #66685	08/13/2019	86.25	86.25	45113	08/29/2019
	0033381081319/33	Main Bldg (2nd line) acct# 666	08/13/2019	68.55	68.55	45113	08/29/2019
	0033381081319/33	Main Bldg (2nd line) acct# 666	08/13/2019	66.35	66.35	45113	08/29/2019
	0033381081319/33	Water Plant Voice #43654	08/13/2019	79.98	79.98	45113	08/29/2019
	0033381081319/33	WWTP Voice #43662	08/13/2019	79.98	79.98	45113	08/29/2019
Total CHARTER COMMUNICATIONS:				623.70	623.70		

Vendor Number	Invoice Number	Description	Invoice Date	Invoice Amount	Check Amount	Check Number	Check Issue Date
CRESCENT ELECTRIC SUPPLY CO							
6500	S506920548.003	6-PVC-40 Conduit	08/23/2019	912.60	912.60	45114	08/29/2019
Total CRESCENT ELECTRIC SUPPLY CO:				912.60	912.60		
ELECTRICAL TESTING LAB LLC							
8150	32836	Gloves & Sleeves Tested	08/21/2019	153.50	153.50	45115	08/29/2019
Total ELECTRICAL TESTING LAB LLC:				153.50	153.50		
ENVIRONMENTAL PRODUCTS & ACCESS LLC							
8380	241470	PARTS & SERVICE FOR UNIT#20	08/23/2019	53.72	53.72	45116	08/29/2019
	241470	PARTS & SERVICE FOR UNIT #20	08/23/2019	53.72	53.72	45116	08/29/2019
	241470	PARTS & SERVICE FOR UNIT #20	08/23/2019	429.72	429.72	45116	08/29/2019
Total ENVIRONMENTAL PRODUCTS & ACCESS LLC:				537.16	537.16		
ER CONTROLS LLC							
8656	ER33572	Well 4 PLC Replacemt	08/21/2019	2,250.00	2,250.00	45117	08/29/2019
	ER33572	Well 5 PLC Replacemt	08/21/2019	2,250.00	2,250.00	45117	08/29/2019
Total ER CONTROLS LLC:				4,500.00	4,500.00		
EXXON MOBIL							
8990	7187600000035136	MONTHLY FLEET FUEL CHARGES	08/18/2019	1,404.17	1,404.17	45118	08/29/2019
	7187600000035136	MONTHLY FLEET FUEL CHARGES	08/18/2019	643.57	643.57	45118	08/29/2019
	7187600000035136	MONTHLY FLEET FUEL CHARGES	08/18/2019	877.60	877.60	45118	08/29/2019
Total EXXON MOBIL:				2,925.34	2,925.34		
FABICK RENTALS							
9155	510357	Cat Backhoe Rental	08/09/2019	934.50	934.50	45119	08/29/2019
	510357	Cat Backhoe Rental	08/09/2019	934.50	934.50	45119	08/29/2019
	W12599	Axle Housing Assemply Repair,brakes #33	08/12/2019	4,138.76	4,138.76	45119	08/29/2019
	W12599	Axle Housing Assemply Repair,brakes #33	08/12/2019	4,138.77	4,138.77	45119	08/29/2019
Total FABICK RENTALS:				10,146.53	10,146.53		
FERGUSON WATERWORKS #1476							
9480	0282119	8" & 10" Valve Box - Top Dome	08/26/2019	147.95	147.95	45120	08/29/2019
	0282119	TYLER Valve Box Lid Water Dom	08/26/2019	160.50	160.50	45120	08/29/2019
Total FERGUSON WATERWORKS #1476:				308.45	308.45		
FIRST SUPPLY LLC							
9500	11826642-00	1-1/4" Ball Valve Sharkbite	08/23/2019	51.20	51.20	45121	08/29/2019
	8093540	Sharkbite all Valve	08/22/2019	35.75	35.75	45121	08/29/2019
Total FIRST SUPPLY LLC:				86.95	86.95		
GANNETT WISCONSIN MEDIA #1014							
11100	YRLY RENEWAL 19	FDL REPORTER SUBSCRIPTION	08/28/2019	231.12	231.12	45122	08/29/2019
	YRLY RENEWAL 19	FDL REPORTER SUBSCRIPTION	08/28/2019	183.71	183.71	45122	08/29/2019
	YRLY RENEWAL 19	FDL REPORTER SUBSCRIPTION	08/28/2019	177.78	177.78	45122	08/29/2019
Total GANNETT WISCONSIN MEDIA #1014:				592.61	592.61		

Vendor Number	Invoice Number	Description	Invoice Date	Invoice Amount	Check Amount	Check Number	Check Issue Date
GRAINGER							
11400	9234002351	Credit for a Thermostat enclosure part	07/16/2019	2.28-	2.28-	45123	08/29/2019
	9234002369	Credit for Open Hub Transformer part	07/16/2019	1.16-	1.16-	45123	08/29/2019
	9234002377	Credit for Enclosure part inv#: 9027693168	07/16/2019	2.28-	2.28-	45123	08/29/2019
	9267500339	IEC Pin & Sleeve Connectors & Inlet	08/19/2019	2,107.34	2,107.34	45123	08/29/2019
Total GRAINGER:				2,101.62	2,101.62		
GUENTHER SUPPLY INC							
11700	307437	3/EA 1-1/2" Brass Ball Valves	08/19/2019	189.00	189.00	45124	08/29/2019
Total GUENTHER SUPPLY INC:				189.00	189.00		
INFOSEND INC							
14490	157677	BILL PRINT & POSTAGE	07/31/2019	954.19	954.19	45125	08/29/2019
	157677	BILL PRINT & POSTAGE	07/31/2019	758.46	758.46	45125	08/29/2019
	157677	BILL PRINT & POSTAGE	07/31/2019	733.99	733.99	45125	08/29/2019
	157677	Summer Insert remaining balance	07/31/2019	14.72	14.72	45125	08/29/2019
	157677	Summer Insert remaining balance	07/31/2019	11.70	11.70	45125	08/29/2019
	157677	Summer Insert remaining balance	07/31/2019	11.33	11.33	45125	08/29/2019
Total INFOSEND INC:				2,484.39	2,484.39		
ITU ABSORB TECH INC.							
14950	7302284	SHOP TOWELS FOR WWTP	08/19/2019	23.45	23.45	45126	08/29/2019
	7302287	SHOP TOWELS MTHLY RENTAL FEE	08/19/2019	12.68	12.68	45126	08/29/2019
	7302287	SHOP TOWELS MTHLY RENTAL FEE	08/19/2019	12.68	12.68	45126	08/29/2019
	7302287	SHOP TOWELS MTHLY RENTAL FEE	08/19/2019	12.69	12.69	45126	08/29/2019
Total ITU ABSORB TECH INC.:				61.50	61.50		
J HARLEN CO							
16150	1284890	SAFETY EQUIPMENT	08/15/2019	348.62	348.62	45127	08/29/2019
	1286847	2 Safety Shirts	08/26/2019	149.90	149.90	45127	08/29/2019
Total J HARLEN CO:				498.52	498.52		
LAKESIDE INTERNATIONAL LLC							
18133	3044508	Repair, Parts & Labor for Unit#20	08/09/2019	123.93	123.93	45128	08/29/2019
	3044508	Repair, Parts & Labor for Unit#20	08/09/2019	123.93	123.93	45128	08/29/2019
	3044508	Repair, Parts & Labor for Unit#20	08/09/2019	991.39	991.39	45128	08/29/2019
Total LAKESIDE INTERNATIONAL LLC:				1,239.25	1,239.25		
MARTELLE WATER TREATMENT INC.							
20250	18730	Ferric Chloride, Degree 37%-42%	08/12/2019	4,112.00	4,112.00	45129	08/29/2019
	18775	Ferric Chloride, Degree 37%-42%	08/19/2019	4,112.00	4,112.00	45129	08/29/2019
Total MARTELLE WATER TREATMENT INC.:				8,224.00	8,224.00		
OFFICE DEPOT							
38880	363697196001	OFFICE SUPPLIES	08/19/2019	19.54	19.54	45130	08/29/2019
	363697196001	OFFICE SUPPLIES	08/19/2019	15.53	15.53	45130	08/29/2019
	363697196001	OFFICE SUPPLIES	08/19/2019	15.03	15.03	45130	08/29/2019
Total OFFICE DEPOT:				50.10	50.10		

Vendor Number	Invoice Number	Description	Invoice Date	Invoice Amount	Check Amount	Check Number	Check Issue Date
PIGGLY WIGGLY							
41200	28AUG2019	SUPPLIES FOR KITCHEN,OFFC, ETC	08/28/2019	8.28	8.28	45131	08/29/2019
	28AUG2019	SUPPLIES FOR KITCHEN,OFFC,ETC	08/28/2019	6.58	6.58	45131	08/29/2019
	28AUG2019	SUPPLIES FOR KITCHEN,OFFC,ETC	08/28/2019	6.36	6.36	45131	08/29/2019
	9AUG2019	20# of ice	08/09/2019	18.45	18.45	45131	08/29/2019
Total PIGGLY WIGGLY:				39.67	39.67		
POLLARDWATER							
41800	0146290	5 Snubbers for Flushing	08/15/2019	78.04	78.04	45132	08/29/2019
Total POLLARDWATER:				78.04	78.04		
PTASCHINSKI CONSTRUCTION INC							
44000	PAYMENT REQ #5	Payment Request #5	08/15/2019	421,817.74	421,817.74	45133	08/29/2019
	PAYMENT REQ #5	Payment Request #5	08/15/2019	232,131.01	232,131.01	45133	08/29/2019
Total PTASCHINSKI CONSTRUCTION INC:				653,948.75	653,948.75		
RESCO							
46400	759798-00	GUY WIRE	08/16/2019	570.00	570.00	45134	08/29/2019
	759798-00	1 PHASE PRI URD J-BOX	08/16/2019	971.22	971.22	45134	08/29/2019
Total RESCO:				1,541.22	1,541.22		
SHRED-IT USA LLC							
51860	8127994308	Document Shredding	08/22/2019	18.78	18.78	45135	08/29/2019
	8127994308	Document Shredding	08/22/2019	14.93	14.93	45135	08/29/2019
	8127994308	Document Shredding	08/22/2019	14.44	14.44	45135	08/29/2019
Total SHRED-IT USA LLC:				48.15	48.15		
SPEE-DEE							
52600	3822414	SERVICE CHRG for WATER SAMPLES	08/12/2019	48.01	48.01	45136	08/29/2019
Total SPEE-DEE:				48.01	48.01		
TRUCLEANERS LLC							
58700	8-2019	MONTHLY CLEANING SERVICE	08/29/2019	370.50	370.50	45137	08/29/2019
	8-2019	MONTHLY CLEANING SERVICE	08/29/2019	294.50	294.50	45137	08/29/2019
	8-2019	MONTHLY CLEANING SERVICE	08/29/2019	285.00	285.00	45137	08/29/2019
Total TRUCLEANERS LLC:				950.00	950.00		
USA BLUE BOOK							
59600	990307	RICCA Sulfuric Acid for Water Pit Lab	08/26/2019	25.77	25.77	45138	08/29/2019
	991781	Water Blue Marking Paint	08/27/2019	213.62	213.62	45138	08/29/2019
	991781	Water Blue Marking Paint	08/27/2019	213.62	213.62	45138	08/29/2019
Total USA BLUE BOOK:				453.01	453.01		
VERIZON WIRELESS							
62900	9836560696	CELLPHONE MTHLY EXPENSES	08/21/2019	130.77	130.77	45139	08/29/2019
	9836560696	CELPHONE MTHLY EXPENSES	08/21/2019	103.95	103.95	45139	08/29/2019
	9836560696	CELLPHONE MTHLY EXPENSES	08/21/2019	100.60	100.60	45139	08/29/2019
	9836560696	DPW'S MTHLY/DATA TABLET CHRGS	08/21/2019	53.10	53.10	45139	08/29/2019

WAUPUN UTILITIES

Paid Invoice Report - COMMISSION
Check issue dates: 8/29/2019 - 8/29/2019Page: 5
Aug 29, 2019 01:57PM

Vendor Number	Invoice Number	Description	Invoice Date	Invoice Amount	Check Amount	Check Number	Check Issue Date
Total VERIZON WIRELESS:				388.42	388.42		
WAUPUN, CITY OF							
74400	571	Gremmer Inv#5, Phase 1 - Madison St Water	08/28/2019	7,923.36	7,923.36	45143	08/29/2019
	571	Gremmer Inv#5, Phase 1 - Madison St Sewer	08/28/2019	7,923.37	7,923.37	45143	08/29/2019
	571	Gremmer Inv#2, Phase 2, Lincln to Libby	08/28/2019	372.00	372.00	45143	08/29/2019
	571	Gremmer Inv#2, Phase 2, Lincln to Libby	08/28/2019	372.00	372.00	45143	08/29/2019
Total WAUPUN, CITY OF:				16,590.73	16,590.73		
WAUPUN UTILITES (Refund acct)							
100000	KATHLEEN HENDE	Ref Overpaymt frm: 1020 Oriole St, Waupun	08/27/2019	82.36	82.36	45140	08/29/2019
	KATI SNYDER	Ref Overpaymt frm: 915 E. Main St Apt.10	08/27/2019	87.02	87.02	45142	08/29/2019
	PERFECTLY POLIS	Ref Double paymt: 8 S Mill St	08/28/2019	230.65	230.65	45141	08/29/2019
	PERFECTLY POLIS	Ref Double paymt: 537 E. Main St	08/28/2019	205.40	205.40	45141	08/29/2019
Total WAUPUN UTILITES (Refund acct):				605.43	605.43		
Grand Totals:				735,278.48	735,278.48		



TO: Waupun Utilities Commissioners
FROM: Randy Posthuma, General Manager
DATE: Sept. 6, 2019
SUBJECT: General Manager Report

Alliant Purchase Update: We continue to make progress in completing our fourth and final purchase of electric customers from Alliant Energy. Letters were sent out to 22 customers on Savage Rd. and County Rd. MMM asking for their consent to transfer electric service to Waupun Utilities. We are working with three remaining customers to provide their consent. All others have agreed to the transfer of ownership. Once all customers have responded to our request, we will file a customer transfer request with the PSC. If all goes according to schedule, we anticipate taking ownership of the additional customers late 2019 or the first part of 2020.

PHAS Legislation Update: On Friday, August 23, Governor Evers issued Executive Order #40 directing the Department of Natural Resources (DNR), along with the Department of Health Services (DHS), and Department of Agriculture, Trade, and Consumer Protection (DATCP) to:

- establish a PFAS public information website
- develop regulatory standards
- use natural resources damages claims under federal and state law to seek compensation for PFAS

Following up on his Executive Order, on Tuesday, August 27, the governor directed DNR to begin the rulemaking process to establish surface water, ground water and drinking water regulatory standards for PFAS contamination. DNR announced that the agency will address the rulemaking at the future Drinking Water and Groundwater Study Group meetings, and there will be technical advisory groups specifically for the administrative rules process.

On June 21, DHS recommended to DNR that the groundwater quality standard for perfluorooctanoic acid (PFOA) and perfluorooctane sulfonic acid (PFOS) be set at 20 ng/l which is 20 parts per trillion (ppt). DHS also recommended a combined preventative action limit (PAL) of 2 ppt. The 20 ppt standard is significantly lower than the health advisory of 70 ppt established by the United States Environmental Protection Agency (EPA), and the PAL of 2 ppt establishes a near-zero discharge standard for groundwater even though these compounds already exist in groundwater.

Wisconsin Rural Water Association (WRWA) is working closely with other public-sector organizations on this issue, including the League of Municipalities, MEG-Wastewater and MEG-Water. The coalition met recently with the governor's office and DNR on this issue. The group's goals are to advocate for science based standards, educate the public about PFAS, and communicate our concerns about the potential high cost to municipal utilities of complying with

the proposed PFAS standards.

Community Event Open House - Oct 7th: The Community Services Open House will run from 5 pm – 8 pm on Monday, October 7. The event will be held at the Safety Building, at 16 E. Main, and will feature displays from the entities serving and protecting the Waupun Community. Waupun Utilities, Fire Department, Department of Public Works, Police Department, Library, Senior Center and Life Star will have a presence at the event.

The community event coincides with our yearly celebration of Public Power Week, which is the first full week of October. We promote the utilities to our customers and the community by having staff on hand demonstrating PowerTown (electrical safety), offering bucket truck rides, providing online bill access information, and the customer favorite – giveaways!

The event is a well-rounded effort to showcase the service entities offered to the community. Please see the enclosed flyer for the event.

This concludes my report for September 2019. Please contact me at 324-7920 or rposthuma@wppienergy.org, with any questions or concerns.



TO: Waupun Utilities Commissioners
FROM: Steve Schramm
DATE: September 4, 2019
SUBJECT: Monthly Operation Report

Water Treatment Facility:

There are no call-ins to report this month.

Municipal Well and Pump completed their annual inspections of all wells. No deficiencies were identified during these inspections. This is a direct result of the ongoing preventative maintenance performed by staff.

ER Controls replaced Well 4 and Well 5 PLC's (process logic controller). The old PLC's were no longer supported and parts were obsolete.

Wastewater Treatment Facility:

There are no call-ins to report this month.

Due to field availability, only 1300 cubic yards have been applied to DNR approved agriculture land. Once field conditions are suitable for land application, the remaining biosolids will be applied.

CD Smith completed brick restoration and tuck pointing on the biotower. There was a section of brick that was imploded due to the driving freezing rain this past winter.

Water/Sewer Crew:

Staff's focus continues to be preventative maintenance of the distribution and collection system, which will continue over the next month.

Considerable time remains dedicated to relocating utilities and working with the Madison Street contractors.

Madison Street Update:

All water and sanitary main line has been installed. The remaining water and sanitary laterals will be completed by Friday, September 6th. This should conclude all water and sanitary work, with the exception of punch list items.

This concludes my report. Please do not hesitate to contact me with your questions or concerns at 324-7920 or sschramm@wppienergy.org



TO: Waupun Utilities Commissioners
FROM: Steve Brooks Electric Operations Supervisor
DATE: September 9, 2019
SUBJECT: Electric Operations Report

Electric Department Update:

Two power outages to report

1. Tuesday, August 6th, at 7:00 a.m. a power outage was reported at 225 Brandon St. The crew found a blown transformer fuse. The cutout was replaced and refused. Power was restored at 9:00 a.m.
2. Saturday, August 17th, a power outage was reported in the 400 block of S. West St. at 8:00 p.m. The crew found a blown lightning arrestor. The crew replaced the arrestor and refused the transformer. Power was restored at 8:45 p.m.

The outage management system reported both outages. We were able to have crews notified before the customers reported the outages. The outage management system continues to help minimize outage duration and help provide customers with reliable electric service.

The voltage conversion work for the West Sub feeder #1 is almost complete. The 3 phase power line running from County Park Rd. to the West in the back of Farm and Home going west to Tractor Supply is rebuilt. New poles, services, transformers, and insulators were installed. Most of the transformers still needing to be replaced are in the area of S. Harris Avenue.

Work has started west of the Main Substation on Monroe St. The crew is installing a new primary 3 phase feeder. This new feeder will allow us to pick up the load from the Alliant area 4 purchase. New conduits, cables, risers and switchgear have been installed. The crew will work to terminate and test the cable in the next few weeks.

Upcoming work

- Voltage conversion work on Feeder 1 West sub (north west side of town)
- Install new street lighting infrastructure on S. Madison Street
- Install new primary riser on new Alliant area 4 purchase. This will be installed east of County Park Rd., south of the aquatic center.

This concludes my report for September 2019. Please contact me at 324-7920 or sbrooks@wppienergy.org, with any questions or concerns.

September 9, 2019

Refunding Analysis Report for

Waupun Utilities

\$5,405,000 Waterworks & Electric System Revenue
Refunding Bonds, Series 2019B



Prepared by:

Philip Cosson, CIPMA
Senior Municipal Advisor

CITY OF WAUPUN, WISCONSIN
Schedule of Bonded Indebtedness
Revenue Debt Secured by Water & Electric Revenues
(As of May 16, 2019)

Water & Electric System Revenue Refunding Bonds Series 2014				Water and Electric System Revenue Bonds Series 2016				Water and Electric System Revenue Bonds Series 2019									
Dated Amount	8/1/2014 \$9,490,000			4/14/2016 \$1,000,000				3/15/2019 \$700,000									
Maturity	3/1			3/1				3/1									
22	Principal	Interest		Principal	Interest			Principal	Interest			Total Principal	Total Interest	Principal & Interest	Principal Outstanding	Principal %Paid	Year
2019												0	82,905	82,905	6,752,728	0.0%	2019
2020	705,000	2,430%	64,760	95,961	8,781	2,430%	90,000	2,600%	19,138	156,487	1,047,448	890,961	156,487	1,047,448	5,861,767	13.2%	2020
2021	720,000	2,430%	120,953	98,293	16,396	2,430%	95,000	2,650%	16,709	134,384	1,047,677	913,293	134,384	1,047,677	4,948,474	26.7%	2021
2022	745,000	2,430%	85,840	100,681	11,619	2,430%	100,000	2,700%	14,168	111,626	1,052,307	940,681	111,626	1,052,307	4,007,793	40.6%	2022
2023	760,000	2,430%	67,554	103,128	9,142	2,430%	100,000	2,800%	11,485	88,181	1,051,309	963,128	88,181	1,051,309	3,044,665	54.9%	2023
2024	780,000	2,430%	48,843	105,634	6,606	2,430%	105,000	3,050%	8,484	63,933	1,054,567	990,634	63,933	1,054,567	2,054,031	69.6%	2024
2025	800,000	2,430%	29,646	108,201	4,008	2,430%	105,000	3,150%	5,229	38,883	1,052,083	1,013,201	38,883	1,052,083	1,040,830	84.6%	2025
2026	820,000	2,430%	9,963	110,830	1,347	2,430%	110,000	3,250%	1,788	13,097	1,053,927	1,040,830	13,097	1,053,927	0	0.0%	2026
TOTAL	5,330,000		531,198	722,728	71,935		700,000		86,363	689,496	7,442,224	6,752,728	689,496	7,442,224			

CALL

3/1/2020
all new money

3/1/2020
all new money

City of Waupun Utilities

Proposed Revenue Refunding Bonds

Principal amount due on call date of 3/1/2020 for 2014 W&E Bonds \$5,330,000
Interest due on call date of 3/1/2020 64,760
Less: Debt Service Funds Available (769,760)

Principal amount due on call date of 3/1/2020 for 2016 W&E Bonds 722,728
Interest due on call date of 3/1/2020 8,781
Less: Debt Service Funds Available \$ (104,742)

Issuance Expenses

Financial Adv. 45,900
Discount Allowance @ \$12.50/1000 67,563
Disclosure Counsel (if chosen) 7,200
Bond Counsel 12,000
Paying Agent Fee 850
Rating Agency Fee 16,000

Total Capital Req.
Rounding

\$5,401,279
3,721

NET BOND SIZE

\$5,405,000

City of Waupun Utilities

ISSUES TO BE REFUNDED										New Debt Service				
Water & Electric Rev Bonds Dated 7/8/14		Water & Electric Rev Bonds Dated 4/14/16		Proposed 2019B Revenue Refunding Bonds 12/15/2019						Existing Debt to be Paid by the Utility		Savings/ (Cost)		
Year Due	Principal 3/1	Rate	Interest	Principal 3/1	Rate	Interest	Total	Principal 3/1	Rates	Interest	Total	P & I		
2020	705,000	2.43%	120,953	95,961	2.43%	16,396	938,311	\$874,502		\$93,076	\$93,076			
2021	720,000	2.43%	103,640	98,293	2.43%	14,036	935,968			\$126,277	\$561,277			(\$29,267)
2022	745,000	2.43%	85,840	100,681	2.43%	11,619	943,140			\$116,829	\$566,829			\$374,691
2023	760,000	2.43%	67,554	103,128	2.43%	9,142	939,824			\$107,032	\$562,032			\$376,311
2024	780,000	2.43%	48,843	105,634	2.43%	6,606	941,083			\$96,911	\$561,911			\$377,793
2025	800,000	2.43%	29,646	108,201	2.43%	4,008	941,855			\$86,358	\$561,358			\$379,172
2026	820,000	2.43%	9,963	110,830	2.43%	1,347	942,140			\$75,209	\$565,209			\$380,497
2027										\$63,402	\$563,402			\$376,931
2028										\$50,926	\$560,926			(\$563,402)
2029										\$37,557	\$567,557			(\$560,926)
2030										\$23,216	\$563,216			(\$567,557)
2031										\$7,909	\$562,909			(\$563,216)
														(\$562,909)
Total	5,330,000		466,439	722,728		63,154	\$6,582,320	\$874,502	\$5,405,000	\$884,698	\$6,289,698			(\$581,879)
										Total Net Savings =				
										(\$581,879)				

Rates based on NR BVAL Revenue scale of 9/2/19 + .25

Water and Electric Revenue Refunding Bonds, Series 2019B

Assumes NR BVAL Rev scale of 9/2/19 + .25

ISSUES TO BE REFUNDED									
New Debt Service									
Year Due	Water & Electric Rev Bonds Dated 7/8/14			Water & Electric Rev Bonds Dated 4/14/16			Proposed 2019B Revenue Refunding Bonds 12/15/2019		
	Principal 3/1	Rate	Interest	Principal 3/1	Rate	Interest	Principal 3/1	Rates	Interest
2020	705,000	2.43%	120,953	95,961	2.43%	16,396	\$520,000	2.12%	\$91,426
2021	720,000	2.43%	103,640	98,293	2.43%	14,036	\$535,000	2.15%	\$123,056
2022	745,000	2.43%	85,840	100,681	2.43%	11,619	\$550,000	2.18%	\$111,792
2023	760,000	2.43%	67,554	103,128	2.43%	9,142	\$560,000	2.22%	\$100,046
2024	780,000	2.43%	48,843	105,634	2.43%	6,606	\$570,000	2.27%	\$87,835
2025	800,000	2.43%	29,646	108,201	2.43%	4,008	\$585,000	2.35%	\$75,150
2026	820,000	2.43%	9,963	110,830	2.43%	1,347	\$600,000	2.42%	\$61,806
2027							\$400,000	2.52%	\$50,093
2028							\$405,000	2.62%	\$40,150
2029							\$420,000	2.74%	\$29,545
2030							\$425,000	2.85%	\$18,220
2031							\$435,000		\$6,199
Total	5,330,000		466,439	722,728		63,154	\$5,405,000		\$795,316
							\$874,502		\$6,200,316
							Total Net Savings =		
							(\$492,497)		

Rates based on NR BVAL Revenue scale of 9/2/19 + .25

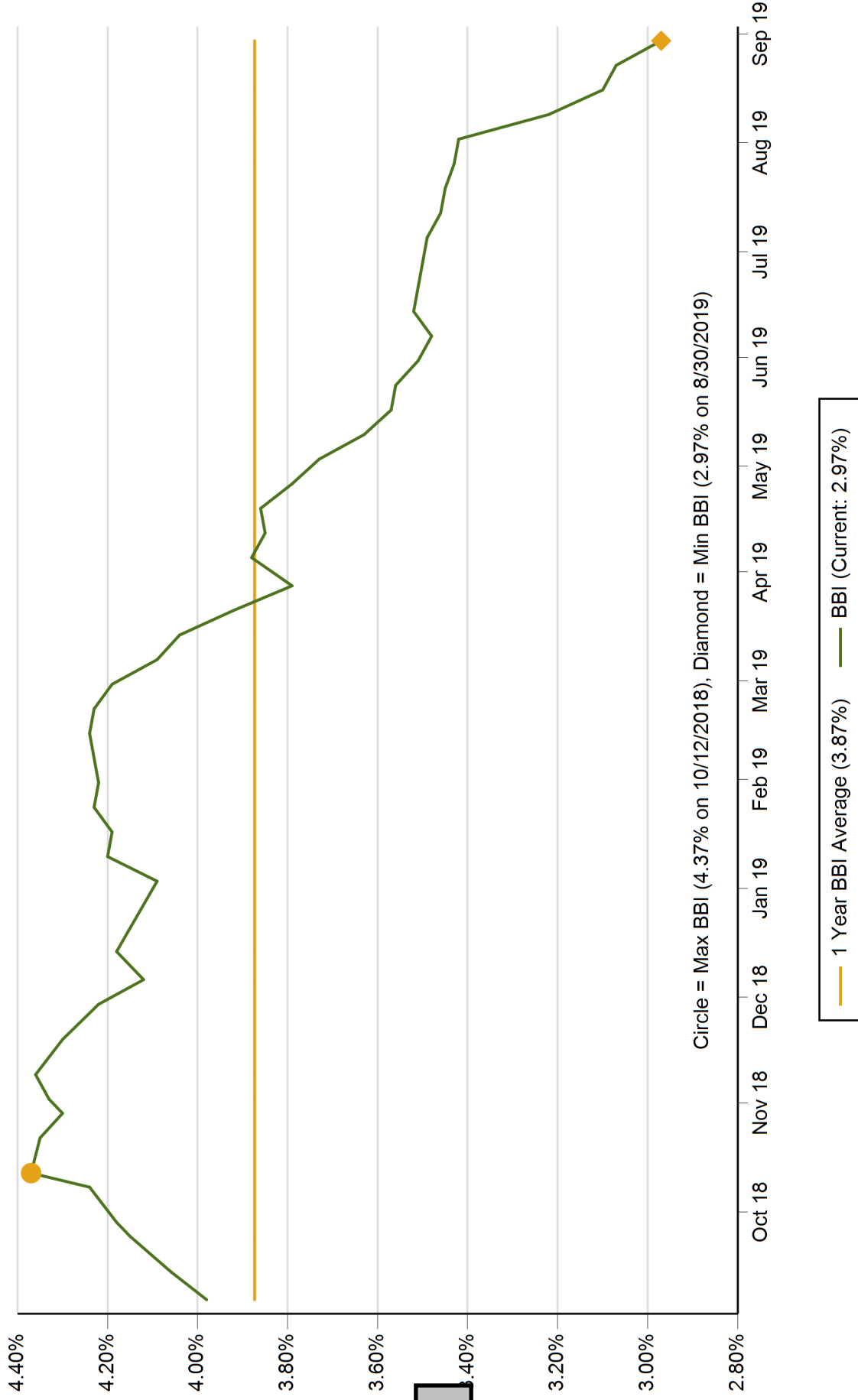
City of Waupun Utilities

2019
2020
2021
2022
2023
2024
2025
2026
2027
2028
2029
2030
2031

Assumes NR BVAL Rev scale of 9/2/19 + .25

1 YEAR TREND IN MUNICIPAL BOND INDICES

Weekly Rates September, 2018 - September, 2019



The Bond Buyer "20 Bond Index" (BBI) shows average yields on a group of municipal bonds that mature in 20 years and have an average rating equivalent to Moody's Aa2 and S&P's AA.

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WAUPUN UTILITIES

Sewer Rate Study – Test Year 2023

Executive Summary

INTRODUCTION

Waupun Utilities (the “Utility”) wastewater treatment plant is required to meet U.S. Environmental Protection Agency phosphorus effluent limits as part of its Wisconsin Pollutant Elimination System (WPDES) permit by 2025. In 2018, the Utility hired Applied Technologies to complete a Preliminary Engineering Report to determine the recommended technology to meet the reduced phosphorus effluent limits.

It was determined that the Utility will be unable to meet its phosphorus effluent limits with only operational improvements and minor facility modifications. Moreover, the Wisconsin Department of Natural Resources confirmed that Total Nitrogen effluent limits are likely to be imposed within the 20-year planning period.

Several compliance alternatives were considered and screened for technical feasibility. Following a life cycle cost evaluation, the recommended alternative is Advanced Biological Nutrient Recovery (ABNR). The ABNR system is an algae-based system capable of recovering phosphorus and nitrogen into harvested algal biomass. The ABNR system is recommended based on its comparable life cycle costs and favorable qualitative factors, such as demonstrated removal of soluble non-reactive phosphorus.

In 2018, the Utility also submitted for a USDA Rural Development (USDA) loan and grant to finance the facility improvements necessary to achieve compliance with the phosphorus effluent limits and anticipated nitrogen effluent limits. The Utility was awarded a USDA loan in the amount of \$22,807,000 and a grant in the amount of \$9,479,000 totaling \$32,286,000 to complete the project. The funds must be spent by September 2023.

The Utility is required to obtain interim financing for the loan amount of \$22,807,000 and it must be in place prior to advertising bids for the construction project. To obtain financing, it is recommended the Utility have adequate rates in place or an approved rate increase plan that supports the debt service requirements.

The process in developing rates included the following steps:

1. Determine the total cost of providing sewer service to all customers. This is called the revenue requirement.
2. Allocate the revenue requirement to the various types of services based on cost drivers.
3. Design rates based on the allocated costs and management objectives.
4. Determine forecasted rates are adequate to meet debt coverage requirements and provide sufficient cash flows.
5. Review long range cash flows to determine that forecasted rates are sufficient to meet capital improvement plans.

WAUPUN UTILITIES

Sewer Rate Study – Test Year 2023

Executive Summary

6. The Utility hired Wegner CPAs to perform agreed upon procedures on the rate study. Wegner CPAs reviewed the revenue requirement, cost of service allocations, and rate design for reasonableness and accuracy.

RATE OBJECTIVES

The Utility is not subject to regulation from the Wisconsin Public Service Commission like the electric or water utility, rather sewer rates are governed by City ordinance. The primary goal of this study is to design rates that are:

- based on the costs of serving each customer class
- fair and equitable to all customers
- defensible

KEY ASSUMPTIONS

- USDA loan of \$22,807,000 payable over 40 years with an annual debt service requirement of \$889,500.
- The Clean Water Fund Loan final payment of \$407,004 will be prepaid in 2022 to ensure debt service coverage ratios are met.
- CLEARAS algae biomass (biomass) revenue of \$750,000 is based on an average daily biomass production of 3,200 pounds.
- Trucked-in-waste revenues are projected to decrease by \$68,000 due to new chloride limits.
- 2023 flow projections are based on historical averages.
- Annual growth assumptions include five new residential customers and one new commercial customer for meter count and minimal growth in flows.
- Operation and maintenance expenses were projected at 2.5% increases per year.
- Operation and maintenance expenses include increases for:
 - power costs for LED lighting and dewatering algae
 - natural gas for algae drying costs
 - one new full-time wastewater treatment operator
- Capital additions requirements are based on the capital improvement plan developed in coordination with the City. It is an average of the annual requirement for capital additions.

REVENUE REQUIREMENT

Sound rate development and planning require projections of future revenue needs. These projections of future revenue requirements are based on the cash basis method which includes the following:

1. Annual operation and maintenance expenses
2. Average annual capital additions
3. Debt service and debt reserve account funding
4. Equipment replacement account funding
5. Depreciation on meters

WAUPUN UTILITIES

Sewer Rate Study – Test Year 2023

Executive Summary

Total sources of funds, or revenues, are comprised of the following:

1. Metered sales
2. Trucked-in-waste
3. Biomass revenues
4. Sampling/lab revenues
5. Other miscellaneous income

Metered revenues and other revenues, such as trucked-in waste and sampling/lab fees, are forecasted based on historical trends and knowledge of specific events.

FUTURE CAPITAL REQUIREMENTS

The Utility has identified capital improvements for 2020 through 2027 that will provide for reinvestment and maintenance of Utility infrastructure. Major capital projects planned include:

- Facilities
 - 2020 - Harris Lift Station modifications at \$183,000
 - 2021-2022 – WWTP facility improvements - \$30.4 million
- Collection System Improvements
 - 2021 - Madison Street, Rock Avenue, Newton Avenue - \$1.6 million
 - 2023 – \$800,000 available for N Grove Street, S Forest Street, and S Mill Street
 - Biannual street projects planned in 2025 and beyond

DEBT COVERAGE

Industry best practices and the Utility's Clean Water Fund Loan require a debt coverage ratio of not less than 1.25 times principal and interest on all outstanding bonds payable during the year. The proposed rates provide sufficient revenues to meet the debt coverage requirement as shown below.

	Budget 2019	Projected 2020	Projected 2021	Projected 2022	Projected 2023	Projected 2024
Operating revenues	\$ 2,457,723	\$ 2,463,961	\$ 2,614,983	\$ 2,730,033	\$ 3,443,682	\$ 3,632,868
Investment income	40,000	39,278	43,139	50,260	40,108	36,571
Less: O&M expenses	<u>(1,346,447)</u>	<u>(1,357,907)</u>	<u>(1,393,995)</u>	<u>(1,426,038)</u>	<u>(1,836,201)</u>	<u>(1,875,186)</u>
Net Defined Earnings	<u>\$ 1,151,276</u>	<u>\$ 1,145,333</u>	<u>\$ 1,264,127</u>	<u>\$ 1,354,255</u>	<u>\$ 1,647,588</u>	<u>\$ 1,794,253</u>
Highest Annual Debt Service	\$ 407,720	\$ 407,720	\$ 407,720	\$ 407,720	\$ 889,500	\$ 889,500
Coverage Factor	<u>1.25</u>	<u>1.25</u>	<u>1.25</u>	<u>1.25</u>	<u>1.25</u>	<u>1.25</u>
Minimum Required Earnings	<u>\$ 509,650</u>	<u>\$ 509,650</u>	<u>\$ 509,650</u>	<u>\$ 509,650</u>	<u>\$ 1,111,875</u>	<u>\$ 1,111,875</u>
Actual Debt Coverage	<u>2.26</u>	<u>2.25</u>	<u>2.48</u>	<u>2.66</u>	<u>1.48</u>	<u>1.61</u>

WAUPUN UTILITIES

Sewer Rate Study – Test Year 2023

Executive Summary

LONG RANGE CASH FLOWS

As part of the study, long range cash flows were projected and analyzed to ensure sufficient cash is generated to adequately fund all anticipated projects, debt service, and maintain an unrestricted cash balance equal to industry best practice of 6 months.

Schedule 9 Long Range Cash Flows illustrates that the proposed revenue requirement increase would provide adequate cash flows.

RECOMMENDATION

The Test Year 2023 revenue requirement indicates a rate increase of \$622,689 or 32.21% is required to comply with the EPA and DNR mandated phosphorus limits.

Management recommends the necessary rate increase be implemented over a period of four years beginning in 2020 at an annual increase of 7.23%. A four-year stepped rate increase would equate to the average residential customer paying approximately an additional \$19.00 per year. Management believes that a four year stepped rate increase is more manageable for our customers vs. a one-time annual increase of \$76.00.

Most importantly, approving and implementing a four-year rate increase plan will assure financial institutions that the Utility has adequate rates to support the interim financing loan and future debt service requirements which will allow the project to proceed as planned.

Sewer Rate Study - Test Year 2023
SUPPORTING SCHEDULES

	<u>Schedule</u>
<u>EXECUTIVE SUMMARY (includes two attachments)</u>	n/a
 <u>REVENUE REQUIREMENT</u>	
Revenue Requirement Summary - Actual 2012 through Forecasted 2019	1
Sales Forecast - Actual 2011 through Forecasted 2023	2
Consumer Analysis - Forecasted 2019 at Present Rates	3
Consumer Analysis - Forecasted 2023 at Present Rates	4
Detailed Operation and Maintenance Expenses - Actual 2013 through Forecasted 2023	5
Plant in Service	6
DNR Equipment Replacement Account Funding	7
Debt Service Schedules	8
 <u>LONG RANGE CASH FLOW</u>	 9

WAUPUN UTILITIES

Test Year 2023 Sewer Rate Study

Comparison of Test Year 2019 and Test Year 2023 Revenue Requirement

	Test Year 2019 - Approved Rates	Test Year 2023 - Current Rates	\$ Change	% Change
SOURCES OF FUNDS				
Measured Service				
Residential	\$ 652,782	\$ 657,397	\$ 4,615	0.71%
Commercial	208,884	220,493	11,608	5.56%
Industrial	26,330	22,538	(3,792)	-14.40%
Public authority	994,049	1,032,726	38,677	3.89%
Total Measured Service	<u>1,882,045</u>	<u>1,933,153</u>	<u>51,108</u>	<u>2.72%</u>
Other Revenues				
Other sewerage services	319,800	252,250	(67,550)	-21.12%
Biomass revenues	-	750,186	750,186	#DIV/0!
Miscellaneous operating revenues	70,200	73,000	2,800	3.99%
Forfeited discounts	2,500	2,500	-	0.00%
Investment Income	40,000	25,500	(14,500)	-36.25%
Total Other Revenues	<u>432,500</u>	<u>1,103,436</u>	<u>670,936</u>	<u>155.13%</u>
Total Sources of Funds	<u>2,314,545</u>	<u>3,036,589</u>	<u>722,044</u>	<u>31.20%</u>
USES OF FUNDS				
Operation and maintenance	1,398,512	1,836,203	437,691	31.30%
Equipment replacement account	-	351,200	351,200	#DIV/0!
Debt reserve account	-	44,475	44,475	#DIV/0!
Capital additions	337,000	505,000	168,000	49.85%
Depreciation on meters	32,500	32,900	400	1.23%
Debt service - principal and interest	546,533	889,500	342,967	62.75%
Total Uses of Funds	<u>2,314,545</u>	<u>3,659,278</u>	<u>1,344,733</u>	<u>58.10%</u>
EXCESS REVENUES/(DEFICIENCY)	<u>\$ (0)</u>	<u>\$ (622,689)</u>	<u>\$ (622,689)</u>	

WAUPUN UTILITIES

Test Year 2023 Sewer Rate Study

Comparison of Test Year 2019 and Test Year 2023 O&M Expenses

Account		Test Year 2019	Test Year 2023	\$ Change	% Change
Operating					
820	Supervision and labor	\$ 98,476	\$ 115,996	\$ 17,520	17.79%
821	Electricity	150,222	239,336	89,114	59.32%
822	Natural gas	-	168,000	168,000	#DIV/0!
823	Chemicals	94,577	64,862	(29,715)	-31.42%
827	Operating supplies	27,004	29,750	2,746	10.17%
828	Laboratory labor	43,937	50,688	6,751	15.37%
829	Laboratory supplies	16,501	17,683	1,182	7.17%
	Total Operating	430,717	686,315	255,598	59.34%
Maintenance					
831	Sewage collection system	150,231	162,506	12,275	8.17%
832	Pumping equipment	6,365	9,342	2,977	46.78%
833	Treatment plant equipment	187,164	286,836	99,672	53.25%
834	General plant	82,242	82,775	533	0.65%
	Total Maintenance	426,001	541,459	115,458	27.10%
Customer Accounts					
840	Accounting and collecting	145,245	171,678	26,433	18.20%
842	Meter reading	2,336	4,238	1,902	81.44%
	Total Customer Accounts	147,581	175,916	28,335	19.20%
Administrative and General					
850	General office salaries	24,887	32,563	7,676	30.84%
851	General office supplies	51,490	56,416	4,926	9.57%
852	Outside services	42,444	45,587	3,143	7.40%
853	Property insurance	30,128	33,191	3,064	10.17%
854	Employee pensions and benefits	223,188	239,937	16,749	7.50%
856	Miscellaneous general	22,077	24,819	2,742	12.42%
	Total Administrative and General	394,214	432,513	38,299	9.72%
Total Operation and Maintenance Expenses		\$ 1,398,512	\$ 1,836,203	\$ 437,691	31.30%

Waupun Utilities - Test Year 2023 Sewer Rate Study

Revenue Requirement Comparison

Actual 2013 - Test Year 2023

	Actual 2013	Actual 2014	Actual 2015	Actual 2016	Actual 2017	Actual 2018	Forecasted 2019	Test Year 2023 Current Rates	Test Year 2023 Proposed Rates
SOURCES OF FUNDS									
Measured Service									
Residential	\$ 652,705	\$ 629,241	\$ 622,929	\$ 620,527	\$ 618,492	\$ 623,122	\$ 655,817	\$ 657,397	\$ 884,789
Commercial	184,041	190,089	190,676	186,217	190,005	210,767	220,493	220,493	286,646
Industrial	24,225	27,226	26,916	27,896	30,649	21,961	23,423	22,538	28,563
Public authority	892,939	950,293	962,651	984,860	979,788	1,126,164	1,163,400	1,032,726	1,355,846
Total Measured Service	<u>1,753,909</u>	<u>1,796,848</u>	<u>1,803,171</u>	<u>1,819,500</u>	<u>1,818,934</u>	<u>1,982,015</u>	<u>2,063,133</u>	<u>1,933,153</u>	<u>2,555,842</u>
Other Revenues									
Other sewerage service	268,689	272,675	289,445	264,229	363,374	345,185	319,800	252,250	252,250
Biomass revenues	-	-	-	-	-	-	-	750,186	750,186
Miscellaneous operating revenues	69,264	69,264	71,629	70,200	70,200	74,121	70,200	73,000	73,000
Forfeited discounts	2,509	2,315	2,726	1,575	2,028	1,765	2,500	2,500	2,500
Investment Income	(5,196)	49,883	36,076	33,405	50,281	70,975	40,000	25,500	25,500
Total Other Revenues	<u>335,266</u>	<u>394,138</u>	<u>399,876</u>	<u>369,409</u>	<u>485,883</u>	<u>492,046</u>	<u>432,500</u>	<u>1,103,436</u>	<u>1,103,436</u>
Contributions in Aid of Construction	<u>61,246</u>	<u>35,250</u>	<u>45,550</u>	<u>-</u>	<u>342,072</u>	<u>63,390</u>	<u>-</u>	<u>-</u>	<u>-</u>
Total Sources of Funds	<u>2,150,421</u>	<u>2,226,236</u>	<u>2,248,597</u>	<u>2,188,909</u>	<u>2,646,889</u>	<u>2,537,451</u>	<u>2,495,633</u>	<u>3,036,589</u>	<u>3,659,278</u>
REVENUE REQUIRED									
Operation and maintenance	1,105,704	1,211,462	1,249,583	1,362,039	1,369,435	1,433,019	1,346,447	1,836,203	1,836,203
Equipment replacement account	-	-	-	-	-	-	-	351,200	351,200
Debt reserve account								44,475	44,475
Preliminary Engineering	-	-	-	-	-	-	750,000	-	-
Capital additions	114,762	311,405	119,515	989,122	664,623	501,005	1,395,988	505,000	505,000
Depreciation on meters	25,637	32,365	32,181	32,226	32,459	32,941	32,900	32,900	32,900
Debt service - principal and interest	547,456	547,313	547,166	547,015	546,860	546,699	546,533	889,500	889,500
Total Uses of Funds	<u>1,793,559</u>	<u>2,102,545</u>	<u>1,948,445</u>	<u>2,930,402</u>	<u>2,613,377</u>	<u>2,513,663</u>	<u>4,071,868</u>	<u>3,659,278</u>	<u>3,659,278</u>
EXCESS REVENUES/(DEFICIENCY)	<u>\$ 356,862</u>	<u>\$ 123,691</u>	<u>\$ 300,152</u>	<u>\$ (741,494)</u>	<u>\$ 33,512</u>	<u>\$ 23,787</u>	<u>\$ (1,576,235)</u>	<u>\$ (622,689)</u>	<u>\$ -</u>
								\$ Increase over current rates	<u>\$ 622,689</u>
								% Increase over current rates	<u>32.21%</u>

Waupun Utilities - Test Year 2023 Sewer Rate Study

Sales Forecast

Actual 2011 - Forecasted 2023

	Actual 2011	Actual 2012	Actual 2013	Actual 2014	Actual 2015	Actual 2016	Actual 2017	Actual 2018	Forecasted 2019	Forecasted 2023
Residential										
Volume (00 cf)	143,901	144,490	141,354	134,731	132,356	131,430	130,720	131,975	131,260	131,760
Number of customers (year end)	2,944	2,925	2,918	2,944	2,949	2,942	2,954	2,964	2,970	2,990
Average volume (00cf)	48.88	49.40	48.44	45.76	44.88	44.67	44.25	44.53	44.20	44.07
% change in avg. vol.		1.06%	-1.94%	-5.53%	-1.93%	-0.46%	-0.94%	0.62%	-0.74%	-0.29%
% change in cust.		-0.65%	-0.24%	0.89%	0.17%	-0.24%	0.41%	0.34%	0.20%	0.67%
Commercial										
Volume (00 cf)	52,023	52,728	50,790	53,059	52,914	51,465	52,644	59,370	59,179	59,179
Number of customers (year end)	325	327	328	335	342	340	344	338	338	342
Average volume (00cf)	160.07	161.25	154.85	158.39	154.72	151.37	153.03	175.65	175.09	173.04
% change in avg. vol.		0.74%	-3.97%	2.28%	-2.31%	-2.17%	1.10%	14.78%	-0.32%	-1.17%
% change in cust.		0.62%	0.31%	2.13%	2.09%	-0.58%	1.18%	-1.74%	0.00%	1.18%
Industrial										
Volume (00 cf)	4,492	7,684	7,488	8,487	8,388	8,704	9,617	6,845	7,003	6,723
Number of customers (year end)	8	10	9	8	8	8	8	8	8	7
Average volume (00cf)	561.50	768.40	832.00	1,060.88	1,048.50	1,088.00	1,202.13	855.63	875.38	960.43
% change in avg. vol.		36.85%	8.28%	27.51%	-1.17%	3.77%	10.49%	-28.82%	2.31%	9.72%
% change in cust.		25.00%	-10.00%	-11.11%	0.00%	0.00%	0.00%	0.00%	0.00%	-12.50%
Public Authority										
Volume (00 cf)	210,436	232,453	239,448	252,284	256,748	275,052	260,312	280,437	286,724	264,967
Number of customers (year end)	17	13	13	13	14	14	14	36	36	36
Average volume (00cf)	12,378.59	17,881.00	18,419.08	19,406.46	18,339.14	19,646.57	18,593.71	7,789.92	7,964.56	7,360.18
% change in avg. vol.		44.45%	3.01%	5.36%	-5.50%	7.13%	-5.36%	-58.10%	2.24%	-7.59%
% change in cust.		-23.53%	0.00%	0.00%	7.69%	0.00%	0.00%	157.14%	0.00%	0.00%
Total										
Volume (00 cf)	410,852	437,355	439,080	448,561	450,406	466,651	453,293	478,627	484,166	462,629
Number of customers (year end)	3,294	3,275	3,268	3,300	3,313	3,304	3,320	3,346	3,352	3,375
Average volume (00cf)	124.73	133.54	134.36	135.93	135.95	141.24	136.53	143.04	144.44	137.08
% change in avg. vol.		7.07%	0.61%	1.17%	0.02%	3.89%	-3.33%	4.77%	0.98%	-5.10%
% change in cust.		-0.58%	-0.21%	0.98%	0.39%	-0.27%	0.48%	0.78%	0.18%	0.69%

Waupun Utilities - Test Year 2023 Sewer Rate Study

Consumer Analysis

Forecasted 2019 - Using latest 12 months of sales data (June 2018 through May 2019)

Volume Charges:

	Per 100 Cubic Ft.	Residential		Commercial		Industrial		Public Authority		Total	
		Units	Amount	Units	Amount	Units	Amount	Units	Amount	Units	Amount
City Limits	\$3.16	131,260	\$ 414,782	59,179	\$ 187,006	7,003	\$ 22,129	286,724	\$ 906,048	484,166	\$ 1,529,965
BOD	\$0.54	-	-	-	-	-	-	186,834	100,890	186,834	100,890
SS	\$0.44	-	-	-	-	-	-	276,766	121,777	276,766	121,777
Phos	\$13.83	-	-	-	-	-	-	2,099	29,029	2,099	29,029
SUBTOTALS		<u>131,260</u>	<u>\$ 414,782</u>	<u>59,179</u>	<u>\$ 187,006</u>	<u>7,003</u>	<u>\$ 22,129</u>	<u>752,423</u>	<u>\$ 1,157,744</u>	<u>949,865</u>	<u>\$ 1,781,661</u>

Meter Charges:

	Per Billing	Average Meters	Annual Revenues	Average Meters	Annual Revenues	Average Meters	Annual Revenues	Average Meters	Annual Revenues	Average Meters	Annual Revenues
5/8" & 3/4"	\$6.76	35,624	\$ 240,818	2,736	\$ 18,495	24	\$ 162	96	\$ 649	38,480	\$ 260,125
1"	\$8.68	25	217	433	3,758	-	-	108	937	566	4,913
1-1/2"	\$11.87	-	-	700	8,309	-	-	100	1,187	800	9,496
2"	\$15.71	-	-	172	2,702	72	1,131	60	943	304	4,776
3"	\$24.66	-	-	9	222	-	-	24	592	33	814
4"	\$37.45	-	-	-	-	-	-	36	1,348	36	1,348
6"	\$69.41	-	-	-	-	-	-	-	-	-	-
8"	\$107.77	-	-	-	-	-	-	-	-	-	-
SUBTOTALS		<u>35,649</u>	<u>\$ 241,035</u>	<u>4,050</u>	<u>\$ 33,487</u>	<u>96</u>	<u>\$ 1,293</u>	<u>424</u>	<u>\$ 5,656</u>	<u>40,219</u>	<u>\$ 281,472</u>
Total Revenues per Analysis			<u>\$ 655,817</u>		<u>\$ 220,493</u>		<u>\$ 23,423</u>		<u>\$ 1,163,400</u>		<u>\$ 2,063,133</u>
Total Billed Revenues			<u>\$ 634,162</u>		<u>\$ 214,407</u>		<u>\$ 22,828</u>		<u>\$ 1,142,193</u>		<u>\$ 2,013,590</u>
\$ Difference			<u>\$ 21,654</u>		<u>\$ 6,086</u>		<u>\$ 595</u>		<u>\$ 21,207</u>		<u>\$ 49,542</u>
% Difference			<u>3.41%</u>		<u>2.84%</u>		<u>2.61%</u>		<u>1.86%</u>		<u>2.46%</u>

Rate change was effective 1/1/2019 - Variances are due to a full 12 months forecasted

Waupun Utilities - Test Year 2023 Sewer Rate Study

Consumer Analysis

Forecasted 2023

Volume Charges:

	Per 100 Cubic Ft.	Residential		Commercial		Industrial		Public Authority		Total	
		Units	Amount	Units	Amount	Units	Amount	Units	Amount	Units	Amount
City Limits	\$ 3.16	131,760	\$ 416,362	59,179	\$ 187,006	6,723	\$ 21,245	264,967	\$ 837,294	462,629	\$ 1,461,906
BOD	\$ 0.54	-	-	-	-	-	-	180,735	97,597	180,735	97,597
SS	\$ 0.44	-	-	-	-	-	-	192,613	84,750	192,613	84,750
Phos	\$ 13.83	-	-	-	-	-	-	537	7,429	537	7,429
SUBTOTALS		<u>131,760</u>	<u>\$ 416,362</u>	<u>59,179</u>	<u>\$ 187,006</u>	<u>6,723</u>	<u>\$ 21,245</u>	<u>638,852</u>	<u>\$ 1,027,070</u>	<u>836,514</u>	<u>\$ 1,651,682</u>

Meter Charges:

	Per Billing	Average Meters	Annual Revenues	Average Meters	Annual Revenues	Average Meters	Annual Revenues	Average Meters	Annual Revenues	Average Meters	Annual Revenues
5/8"	\$ 6.76	35,624	\$ 240,818	2,736	\$ 18,495	24	\$ 162	96	\$ 649	38,480	\$ 260,125
1"	\$ 8.68	25	217	433	3,758	-	-	108	937	566	4,913
1-1/2"	\$ 11.87	-	-	700	8,309	-	-	100	1,187	800	9,496
2"	\$ 15.71	-	-	172	2,702	72	1,131	60	943	304	4,776
3"	\$ 24.66	-	-	9	222	-	-	24	592	33	814
4"	\$ 37.45	-	-	-	-	-	-	36	1,348	36	1,348
6"	\$ 69.41	-	-	-	-	-	-	-	-	-	-
8"	\$ 107.77	-	-	-	-	-	-	-	-	-	-
SUBTOTALS		<u>35,649</u>	<u>\$ 241,035</u>	<u>4,050</u>	<u>\$ 33,487</u>	<u>96</u>	<u>\$ 1,293</u>	<u>424</u>	<u>\$ 5,656</u>	<u>40,219</u>	<u>\$ 281,472</u>
Total Revenues per Analysis			<u>\$ 657,397</u>		<u>\$ 220,493</u>		<u>\$ 22,538</u>		<u>\$ 1,032,726</u>		<u>\$ 1,933,153</u>

Waupun Utilities - Test Year 2023 Sewer Rate Study

Detailed Operation and Maintenance Expenses

Actual 2013 - Forecasted 2023

Account		Actual 2013	Actual 2014	Actual 2015	Actual 2016	Actual 2017	Actual 2018	3-Year Average	Budget 2019	Forecasted 2023
Operating										
820	Supervision and labor	\$ 96,043	\$ 93,615	\$ 89,556	\$ 91,697	\$ 93,629	\$ 98,361	\$ 94,563	\$ 102,066	\$ 115,996
821	Electricity	130,113	139,403	132,056	138,941	143,564	134,856	139,120	142,265	239,336
822	Natural gas	-	-	-	-	-	-	-	-	168,000
823	Chemicals	64,740	73,512	63,688	76,548	90,073	121,338	95,986	95,000	64,862
827	Operating supplies	24,985	26,520	22,604	27,238	27,356	24,313	26,302	26,952	29,750
828	Laboratory labor	44,905	44,334	40,809	39,100	39,083	44,804	40,996	45,921	50,688
829	Laboratory supplies	17,212	20,010	13,613	13,037	15,040	19,983	16,020	16,020	17,683
	Total Operating	<u>377,999</u>	<u>397,395</u>	<u>362,326</u>	<u>386,561</u>	<u>408,745</u>	<u>443,656</u>	<u>412,987</u>	<u>428,224</u>	<u>686,315</u>
Maintenance										
831	Sewage collection system	113,281	137,665	138,759	148,395	142,483	137,857	142,911	147,222	162,506
832	Pumping equipment	8,775	10,546	4,814	2,815	2,478	6,064	3,785	8,463	9,342
833	Treatment plant equipment	118,891	124,552	178,531	181,839	184,767	216,064	194,223	146,615	286,836
834	General plant	61,607	74,592	92,652	107,375	96,977	79,296	94,549	74,990	82,775
	Total Maintenance	<u>302,554</u>	<u>347,355</u>	<u>414,756</u>	<u>440,423</u>	<u>426,705</u>	<u>439,280</u>	<u>435,469</u>	<u>377,290</u>	<u>541,459</u>
Customer Accounts										
840	Accounting and collecting	125,889	139,250	135,355	148,697	138,992	145,207	144,298	155,532	171,678
842	Meter reading	5,783	2,485	2,648	1,537	3,165	3,762	2,821	3,839	4,238
	Total Customer Accounts	<u>131,673</u>	<u>141,735</u>	<u>138,004</u>	<u>150,233</u>	<u>142,157</u>	<u>148,968</u>	<u>147,120</u>	<u>159,371</u>	<u>175,916</u>
Administrative and General										
850	General office salaries	14,395	22,841	21,513	22,387	23,638	24,004	23,343	28,653	32,563
851	General office supplies	57,446	58,431	60,307	50,803	45,631	47,824	48,086	51,110	56,416
852	Outside services	23,752	27,020	23,328	33,025	41,208	81,316	51,850	41,300	45,587
853	Property insurance	14,927	17,309	18,138	25,762	29,816	24,406	26,661	30,069	33,191
854	Employee pensions and benefits	165,754	181,131	186,576	233,294	230,190	196,785	220,090	189,126	239,937
856	Miscellaneous general	17,204	18,244	24,634	19,550	21,199	26,706	22,485	41,305	24,819
	Total Administrative and General	<u>293,477</u>	<u>324,976</u>	<u>334,496</u>	<u>384,821</u>	<u>391,682</u>	<u>401,041</u>	<u>392,515</u>	<u>381,562</u>	<u>432,513</u>
Total Operation and Maintenance Expenses		<u>\$ 1,105,702</u>	<u>\$ 1,211,461</u>	<u>\$ 1,249,581</u>	<u>\$ 1,362,039</u>	<u>\$ 1,369,288</u>	<u>\$ 1,432,945</u>	<u>\$ 1,388,091</u>	<u>\$ 1,346,447</u>	<u>\$ 1,836,203</u>
Dollar Increase/(Decrease)			<u>\$ 105,759</u>	<u>\$ 38,120</u>	<u>\$ 112,457</u>	<u>\$ 7,250</u>	<u>\$ 63,657</u>		<u>\$ (86,498)</u>	<u>\$ 403,258</u>
% Increase/(Decrease)			<u>9.56%</u>	<u>3.15%</u>	<u>9.00%</u>	<u>0.53%</u>	<u>4.65%</u>		<u>-4.71%</u>	<u>28.14%</u>

Waupun Utilities - Test Year 2023 Sewer Rate Study

Plant in Service

Actual 2017- Forecasted 2023

Account		Actual			Actual			Forecasted	2020-2023		Forecasted	Average Annual
		12/31/2017	Additions	Retirements	12/31/2018	Additions	Retirements	12/31/2019	Additions	Retirements	12/31/2023	Additions
Collecting System												
310	Land and land rights	\$ 7,154	\$ -	\$ -	\$ 7,154	\$ -	\$ -	\$ 7,154	\$ -	\$ -	\$ 7,154	\$ -
312	Service conn., traps and access.	1,525,242	92,327	17,570	1,599,999	220,000	22,000	1,797,999	342,000	25,000	2,114,999	80,000
313	Collecting mains and access.	5,350,647	251,210	1,515	5,600,342	740,000	74,000	6,266,342	1,176,000	83,500	7,358,842	215,000
314	Interceptor mains and access.	1,204,024	-	-	1,204,024	-	-	1,204,024	-	-	1,204,024	-
315	Manholes	1,347,240	24,895	750	1,371,385	140,000	14,000	1,497,385	185,000	16,000	1,666,385	40,000
316	Other collecting system equip.	7,808	-	-	7,808	-	-	7,808	-	-	7,808	-
Total Collecting System		9,442,115	368,432	19,835	9,790,712	1,100,000	110,000	10,780,712	1,703,000	124,500	12,359,212	335,000
Collecting System Pumping												
321	Structures and improvements	82,477	-	-	82,477	-		82,477	-	-	82,477	-
323	Electric pumping equipment	38,240	-	-	38,240	-	-	38,240	-	-	38,240	-
324	Other power pumping equipment	25,639	-	-	25,639	-	-	25,639	-	-	25,639	-
Total Collecting System Pumping		146,356	-	-	146,356	-	-	146,356	-	-	146,356	-
Treatment and Disposal												
330	Land and land rights	37,305	-	-	37,305	-	-	37,305	-	-	37,305	-
331	Structures and improvements	3,220,805	-	-	3,220,805	5,230	7,738	3,218,297	4,410,000	-	7,628,297	-
332	Preliminary treatment equipment	412,577	-	-	412,577	-	-	412,577	-	-	412,577	-
333	Primary treatment equipment	577,781	-	-	577,781	-	-	577,781	430,000	-	1,007,781	-
334	Secondary treatment equipment	3,253,238	8,838	2,680	3,259,396	219,600	131,760	3,347,236	430,000	-	3,777,236	30,000
336	Advanced treatment equipment	-	-	-	-	-	-	-	25,200,000	-	25,200,000	-
337	Sludge treatment and disposal equipment	5,316,420	120,208	116,052	5,320,576	9,464	18,977	5,311,063	-	-	5,311,063	70,000
338	Plant site piping	957,409	-	-	957,409	-	-	957,409	2,610,000	-	3,567,409	-
339	Flow metering and monitoring equipment	43,204	-	-	43,204	-	-	43,204	-	-	43,204	-
Total Treatment and Disposal		13,818,739	129,046	118,732	13,829,053	234,294	158,475	13,904,872	33,080,000	-	46,984,872	100,000
General												
370	Land and land rights	41,282	-	-	41,282	-	-	41,282	-	-	41,282	-
371	Structures and improvements	959,722	-	-	959,722	6,987	-	966,709	-	-	966,709	-
372	Office furniture and equipment	46,497	-	-	46,497	-	-	46,497	-	-	46,497	-
373	Transportation equipment	435,850	-	18,212	417,638	20,638	8,000	430,276	421,600	236,840	615,036	55,000
379	Other general equipment	359,844	-	218	359,626	34,069	2,000	391,695	-	-	391,695	5,000
387	SCADA	297,865	-	-	297,865	-	-	297,865	-	-	297,865	5,000
388	Computer equipment and software	133,239	3,527	2,918	133,848	-	-	133,848	25,000	18,000	140,848	2,500
395	Laboratory equipment	22,607	-	-	22,607	-	-	22,607	-	-	22,607	-
396	Power operated equipment	64,065	-	-	64,065	-	-	64,065	-	-	64,065	2,500
397	Communication equipment	10,409	-	-	10,409	-	-	10,409	-	-	10,409	-
Total General		2,371,379	3,527	21,348	2,353,558	61,694	10,000	2,405,252	446,600	254,840	2,597,012	70,000
Total Sewer Plant		\$ 25,778,590	\$ 501,005	\$ 159,915	\$ 26,119,680	\$ 1,395,988	\$ 278,475	\$ 27,237,193	\$ 35,229,600	\$ 379,340	\$ 62,087,453	\$ 505,000

Waupun Utilities - Test Year 2023 Sewer Rate Study

USDA Short-Lived Asset Reserve Account

Forecasted 2023

Account	Description	Date Installed	Age (Years)	Service Life (A)	Installed Cost	Annual Cost	Replacement Funding (B)
336	ABNR Process Equipment						
001	Algae Membrane Separator	2023	-	10	\$ 2,992,000.00	\$ 299,200.00	\$ 299,200.00
005	LED Lighting & Componentry	2023	-	15	<u>780,000.00</u>	<u>52,000.00</u>	<u>\$ 52,000.00</u>
		TOTAL			<u>\$ 3,772,000.00</u>	<u>\$ 351,200.00</u>	<u>\$ 351,200.00</u>

(A) USDA funded items with service lives greater than fifteen (15) years are not included in the annual replacement fund cost

Waupun Utilities - Test Year 2023 Sewer Rate Study
Debt Service Schedules

Year	Issue: 2021 USDA Rural Development Interest Rate: 2.375%				Issue: 2003 Clean Water Fund Loan Interest Rate: 3.1%				Issue: 2009 State Trust Fund Loan Interest Rate: 4.5%			
	Principal	Interest		Total	Principal	Interest		Total	Principal	Interest	Total	Total
	May 1	May 1	Nov 1		May 1	May 1	Nov 1		May 1	Nov 1		
2019	-	-	-	-	354,641	29,292	23,787	407,720	132,835	5,978	138,812	546,533
2020	-	-	-	-	365,653	23,787	18,110	407,549	-	-	-	407,549
2021	-	-	-	-	377,006	18,110	12,257	407,373	-	-	-	407,373
2022	-	-	-	-	388,712	12,257	6,222	407,191	-	-	-	407,191
2023	-	-	-	889,500	400,782	6,222	-	407,004	-	-	-	1,296,504
2024	-	-	-	889,500	-	-	-	-	-	-	-	889,500
2025	-	-	-	889,500	-	-	-	-	-	-	-	889,500
2026	-	-	-	889,500	-	-	-	-	-	-	-	889,500
2027	-	-	-	889,500	-	-	-	-	-	-	-	889,500
2028	-	-	-	889,500	-	-	-	-	-	-	-	889,500
2029	-	-	-	889,500	-	-	-	-	-	-	-	889,500
2030	-	-	-	889,500	-	-	-	-	-	-	-	889,500
2031	-	-	-	889,500	-	-	-	-	-	-	-	889,500
2032	-	-	-	889,500	-	-	-	-	-	-	-	889,500
2033	-	-	-	889,500	-	-	-	-	-	-	-	889,500
2034	-	-	-	889,500	-	-	-	-	-	-	-	889,500
2035	-	-	-	889,500	-	-	-	-	-	-	-	889,500
2036	-	-	-	889,500	-	-	-	-	-	-	-	889,500
2037	-	-	-	889,500	-	-	-	-	-	-	-	889,500
2038	-	-	-	889,500	-	-	-	-	-	-	-	889,500
2039	-	-	-	889,500	-	-	-	-	-	-	-	889,500
2040	-	-	-	889,500	-	-	-	-	-	-	-	889,500
2041	-	-	-	889,500	-	-	-	-	-	-	-	889,500
2042	-	-	-	889,500	-	-	-	-	-	-	-	889,500
2043	-	-	-	889,500	-	-	-	-	-	-	-	889,500
2044	-	-	-	889,500	-	-	-	-	-	-	-	889,500
2045	-	-	-	889,500	-	-	-	-	-	-	-	889,500
2046	-	-	-	889,500	-	-	-	-	-	-	-	889,500
2047	-	-	-	889,500	-	-	-	-	-	-	-	889,500
2048	-	-	-	889,500	-	-	-	-	-	-	-	889,500
2049	-	-	-	889,500	-	-	-	-	-	-	-	889,500
2050	-	-	-	889,500	-	-	-	-	-	-	-	889,500
2051	-	-	-	889,500	-	-	-	-	-	-	-	889,500
2052	-	-	-	889,500	-	-	-	-	-	-	-	889,500
2053	-	-	-	889,500	-	-	-	-	-	-	-	889,500
2054	-	-	-	889,500	-	-	-	-	-	-	-	889,500
2055	-	-	-	889,500	-	-	-	-	-	-	-	889,500
2056	-	-	-	889,500	-	-	-	-	-	-	-	889,500
2057	-	-	-	889,500	-	-	-	-	-	-	-	889,500
2058	-	-	-	889,500	-	-	-	-	-	-	-	889,500
2059	-	-	-	889,500	-	-	-	-	-	-	-	889,500
2060	-	-	-	889,500	-	-	-	-	-	-	-	889,500
2061	-	-	-	889,500	-	-	-	-	-	-	-	889,500
2062	-	-	-	889,500	-	-	-	-	-	-	-	889,500
Total	\$ -	\$ -	\$ -	\$ 35,580,000	\$ 1,886,794	\$ 89,668	\$ 60,376	\$ 2,036,838	\$ 132,835	\$ 5,978	\$ 138,812	\$ 37,755,650

Waupun Utilities

Long Range Financial Projection - Sewer

Revenue Requirement - Test Year 2019; Forecasted 2020 through 2024

	Test Year 2019	Forecasted 2019	Projected 2020	Projected 2021	Projected 2022	Projected 2023	Projected 2024
SOURCES OF FUNDS							
Operating Revenues							
Residential	\$ 652,787	\$ 655,817	\$ 704,305	\$ 756,298	\$ 812,051	\$ 871,834	\$ 872,834
Commercial	208,886	220,493	236,970	254,639	273,586	293,902	294,402
Industrial	26,330	23,423	25,116	26,932	28,879	30,967	30,967
Public authority	994,041	1,163,400	1,100,180	1,179,723	1,265,017	1,356,477	1,356,477
Rate Increase	-	-	-	-	-	-	-
Total Operating Revenues	1,882,045	2,063,133	2,066,571	2,217,593	2,379,533	2,553,182	2,554,682
Other Revenues							
Other sewerage services	319,800	321,890	321,890	321,890	275,000	252,500	252,500
Sale of algae	-	-	-	-	-	562,500	750,186
Forfeited discounts	2,500	2,500	2,500	2,500	2,500	2,500	2,500
Miscellaneous operating revenues	70,200	70,200	73,000	73,000	73,000	73,000	73,000
Investment income	40,000	40,000	39,278	43,139	50,260	40,108	36,571
Total Other Revenues	432,500	434,590	436,668	440,529	400,760	930,608	1,114,757
Other Sources of Funds							
Receivable from Electric Utility	-	114,365	-	-	-	-	-
Receivable from City	-	-	100,000	36,494	36,494	36,494	36,494
Equipment Replacement Funds	-	306,500	-	-	-	-	-
Debt financing	-	-	-	19,800,000	3,007,000	-	-
USDA grant funds	-	-	-	-	7,500,000	1,979,000	-
Total Other Sources	-	420,865	100,000	19,836,494	10,543,494	2,015,494	36,494
Total Sources of Funds	2,314,545	2,918,588	2,603,239	22,494,616	13,323,787	5,499,283	3,705,933
USES OF FUNDS							
Operation and maintenance	1,398,513	1,346,447	1,357,907	1,393,995	1,426,038	1,836,201	1,875,186
Debt service	546,532	546,532	407,549	407,373	1,091,062	889,500	889,500
Debt service reserve account	-	-	-	-	444,750	44,475	44,475
Equipment replacement account	-	-	-	-	-	351,200	351,200
Depreciation on meters	32,500	32,500	32,500	32,500	32,500	32,500	32,500
Capital additions							
WWTP Upgrade Engineering		900,000	900,000				
WWTP Phosphorus Upgrade	-	-		18,000,000	10,507,000	1,979,000	-
Other Capital Additions	337,000	1,498,000	400,000	1,618,000	300,000	800,000	300,000
Total Uses of Funds	2,314,545	4,323,479	3,097,956	21,451,868	13,801,350	5,932,876	3,492,861
EXCESS REVENUES/(DEFICIENCY)	\$ (0)	\$ (1,404,891)	\$ (494,716)	\$ 1,042,748	\$ (477,564)	\$ (433,593)	\$ 213,072
Unrestricted Cash							
Beginning Cash	\$ 2,700,000	\$ 2,700,000	\$ 1,295,108	\$ 800,392	\$ 1,843,140	\$ 1,365,576	\$ 931,984
Ending Cash	\$ 2,700,000	\$ 1,295,108	\$ 800,392	\$ 1,843,140	\$ 1,365,576	\$ 931,984	\$ 1,145,056
Months of Unrestricted Cash on Hand	23	12	7	16	11	6	7
Investment Income 1.50%		\$ 29,963	\$ 15,716	\$ 19,826	\$ 24,065	\$ 17,232	\$ 15,578
Equipment Replacement Fund							
Beginning Cash	\$ 2,010,573	\$ 2,010,573	\$ 1,734,231	\$ 1,760,245	\$ 1,786,649	\$ 1,813,448	\$ 2,191,850
Investment earnings 1.50%		\$ 30,159	\$ 26,013	\$ 26,404	\$ 26,800	\$ 27,202	\$ 32,878
Ending Cash	\$ 2,010,573	\$ 1,734,231	\$ 1,760,245	\$ 1,786,649	\$ 1,813,448	\$ 2,191,850	\$ 2,575,928
Debt Reserve Account							
Beginning Cash	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 444,750	\$ 489,225
Ending Cash	\$ -	\$ -	\$ -	\$ -	\$ 444,750	\$ 489,225	\$ 533,700
Total Cash and Investments	\$ 4,710,573	\$ 3,029,340	\$ 2,560,637	\$ 3,629,788	\$ 3,623,775	\$ 3,613,059	\$ 4,254,684