OFFICIAL NOTICE AND AGENDA

Notice is hereby given that the City of Stoughton Utilities Committee will hold a regular meeting on the date and at the time and location given below.

Meeting of:	**CITY OF STOUGHTON UTILITIES COMMITTEE**
Date/Time:	Monday, April 16, 2018 at 5:00 p.m.
Location:	Edmund T. Malinowski Board Room, Stoughton Utilities Administration Office 600 South Fourth Street, Stoughton, Wisconsin
Members:	Mayor Donna Olson (Chair), Alderperson Matt Bartlett, Alderperson Michael Engelberger (Vice-Chair), Alderperson Pat O'Connor, Citizen Member Kym Ackerman, Citizen Member David Erdman, Citizen Member John Kallas

AGENDA:

CALL TO ORDER

CONSENT AGENDA

(All items are considered routine and will be enacted upon by one motion. There will be no separate discussion of these items unless a Stoughton Utilities Committee member so requests, in which event the item will be removed from the consent agenda and be considered on the regular agenda.)

a. Stoughton Utilities Payments Due List Report
b. Draft Minutes of the March 19, 2018 Regular Utilities Committee Meeting
c. Stoughton Utilities February 2018 Financial Summary
d. Stoughton Utilities February 2018 Statistical Report
e. Stoughton Utilities March 2018 Activities Report
f. Utilities Committee Annual Calendar
g. Communications

OLD BUSINESS

1. Status of the Utilities Committee recommendation(s) to the Stoughton Common Council **(Discussion)**

NEW BUSINESS

2. Stoughton Electric Utility Annual Report filed with the Public Service Commission of Wisconsin **(Discussion)**
3. Stoughton Water Utility Annual Report filed with the Public Service Commission of Wisconsin **(Discussion)**
4. Invitation to attend a WPPI Energy Regional Power Dinner meeting **(Discussion)**
5. Regulatory operating income compared to Generally Accepted Accounting Principles (GAAP) **(Discussion)**
6. Proposed position description for Utilities Water System Supervisor **(Action)**
7. Proposal to fill the vacant Electric System Supervisor position **(Action)**
8. Utilities Committee future agenda item(s) **(Discussion)**

ADJOURNMENT

Notices Sent To:

Stoughton Utilities Committee Members
Stoughton Utilities Director Robert P. Kardasz, P.E.
Stoughton Utilities Assistant Director Brian Hoops
Mayor-Elect Tim Swadley

cc: Alderperson-Elect Phil Caravello
Alderperson-Elect Nicole Wiessinger
Stoughton City Attorney Matthew Dregne
Stoughton City Clerk Holly Licht
Stoughton Common Council Members
Stoughton Leadership Team
Stoughton Utilities Finance Manager Jamin Friedl, CPA
Stoughton Utilities Operations Superintendent Sean Grady
Stoughton Utilities Wastewater System Supervisor Brian Erickson
Unified Newspaper Group - Stoughton Courier Hub

ATTENTION COMMITTEE MEMBERS: Two-thirds of members are needed for a quorum. The committee may only conduct business when a quorum is present. If you are unable to attend the meeting, please contact Robert Kardasz or Brian Hoops via telephone at (608) 877-7423 or (608) 877-7412 respectively, or via email at RKardasz@stoughtonutilities.com or BHoops@stoughtonutilities.com.

It is possible that members of, and possibly a quorum of members of other committees of the Common Council of the City of Stoughton may be in attendance at this meeting to gather information. No action will be taken by any such group(s) at this meeting other than the Stoughton Utilities Committee consisting of the members listed above. An expanded meeting may constitute a quorum of the Common Council.

Upon reasonable notice, efforts will be made to accommodate the needs of disabled individuals through appropriate aids and services. For information, or to request such assistance, please contact Stoughton Utilities at (608) 873-3379.

Current and past Stoughton Utilities Committee documents, including meeting notices, meeting packets, and meeting minutes, are available for public download at http://stoughtonutilities.com/uc.

Stoughton Utilities

Check Register Summary - Standard

Period: - As of: 4/3/2018

Check Nbr	Type	Date	Amount Paid	Vendor ID / Name	Description
Company:	**7430**				
001577	EP	3/8/2018	66,918.53	516 WELLS FARGO BANK	VO for check batch: 308170
001578	HC	3/15/2018	860,039.49	009 WPPI	WPPI-Renewable Energy/WPPI-Buy Back Solor credit/WPPI-Shared Savings/WPPI-Large Power/WPPI-Support/WPPI-Support/WPPI-Support
001579	HC	3/30/2018	417.48	547 Charter Communications-Ach	Charter Comm-March Ach/Charter Comm-March Ach/Charter Comm-March Ach/Charter Comm-March Ach
001580	HC	3/30/2018	107.49	856 GORDON FLESCH COMPANY, INC.	Gordon Flesch-March Ach/Gordon Flesch-March Ach/Gordon Flesch-March Ach/Gordon Flesch-March Ach
001581	HC	3/30/2018	1,313.24	002 Employee Benefits Corp - Ach	EBC - March Ach/EBC - March Ach/EBC - March Ach/EBC - March Ach
001582	HC	3/30/2018	3,604.40	003 Alliant Energy - Ach	Alliant Energy - March Ach/Alliant Energy - March Ach/Alliant Energy - March Ach/Alliant Energy - March Ach/Alliant Energy - March Ach/Alliant Energy - March Ach/Alliant Energy - March Ach
001583	HC	3/30/2018	744.96	318 PITNEY-BOWES INC-PURCHASE POWER	Pitney Bowes-March Ach/Pitney Bowes-March Ach/Pitney Bowes-March Ach/Pitney Bowes-March Ach
001584	HC	3/30/2018	4,765.72	020 Wells Fargo Bank-Ach	Wells Fargo Bank-March Ach/Wells Fargo Bank-March Ach/Wells Fargo Bank-March Ach/Wells Fargo Bank-March Ach
001585	HC	3/30/2018	2,256.64	001 Delta Dental - Ach	Delta Dental - March Ach/Delta Dental - March Ach/Delta Dental - March Ach
001586	HC	3/30/2018	1,446.32	004 Us Cellular - Ach	Us Cellular - March Ach/Us Cellular - March Ach/Us Cellular - March Ach/Us Cellular - March Ach
001587	HC	3/30/2018	133.82	952 AT&T	AT&T-March Ach/AT&T-March Ach
001588	HC	3/30/2018	30.52	421 FIRST DATA CHARGES	First Data Charges-March Ach/First Data Charges-March Ach/First Data Charges-March Ach/First Data Charges-March Ach
001589	HC	3/30/2018	462.87	007 TDS Metrocom - Ach	TDS Metrocom - March Ach/TDS Metrocom - March Ach/TDS Metrocom - March Ach/TDS Metrocom - March Ach

Stoughton Utilities

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Period: - As of: 4/3/2018

Check Nbr	Type	Date	Amount Paid	Vendor ID / Name	Description
001590	HC	3/30/2018	17,181.56	010 WI Dept. of Revenue Taxpayment-Ach	Dept of Rev-March Ach/Dept of Rev-March Ach
001591	HC	3/30/2018	7,383.59	008 Payroll State Taxes - Ach	State Taxes-March Ach/State Taxes-March Ach
001592	HC	3/30/2018	36,511.47	025 Payroll Federal Taxes- Ach	Federal Taxes-March Ach/Federal Taxes-March Ach/Federal Taxes-March Ach/Federal Taxes-March Ach
025473	CK	3/1/2018	150.69	103 BRYAN COOK	B Cook-Customer Refund/B Cook-Customer Refund/B Cook-Customer Refund/B Cook-Customer Refund
025474	CK	3/7/2018	37,565.95	131 CITY OF STOUGHTON	City Stoton-Jan Aflac/City Stoton-Jan Aflac/City Stoton-Jan Aflac/City Stoton-Mechanical work/City Stoton-Feb Wa Twr Rent/City Stoton-Feb Rent/City Stoton-Feb Delta Vision/City Stoton-Feb Rent/City Stoton-Mechanical work/City Stoton-Feb Rent/More...
025475	CK	3/7/2018	176.77	133 WISCONSIN SCTF	WI SCTF-Support
025476	CK	3/7/2018	28.00	133 WISCONSIN SCTF	WI SCTF-Support
025477	CK	3/7/2018	252.00	133 WISCONSIN SCTF	WI SCTF-Support
025478	CK	3/7/2018	55.19	299 JUDITY MYERS	J Myers-Customer Refund
025479	CK	3/7/2018	94.79	588 HELEN TRAPINO	H Trapino-Customer Refund
025480	CK	3/7/2018	45.52	650 KIM WALTER	K Walter-Customer Refund
025481	CK	3/7/2018	419.20	799 PURPLE OCEAN, LLC	Purple Ocean-Customer Refund
025482	CK	3/7/2018	53.12	910 KENNETH MIECHER	K Miecher-Customer Refund
025483	CK	3/7/2018	352.02	047 NORTHEAST WISCONSIN TECH. COLLEGE	NE Tech-School Exp/NE Tech-School Exp
025484	CK	3/7/2018	91,665.90	303 MP SYSTEMS, INC.	MP Systems-Pay Req 4/MP Systems-Recloser inst
025485	CK	3/7/2018	21,333.63	327 BORDER STATES ELECTRIC SUPPLY	Border States-Supplies/Border States-Supplies/Border States-Supplies/Border States-Inventory/Border States-supplies
025486	CK	3/7/2018	2,686.29	781 DUNKIRK WATER POWER CO LLC	Dunkirk-Feb Dunkirk

Stoughton Utilities

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Period: - As of: 4/3/2018

Check Nbr	Type	Date	Amount Paid	Vendor ID / Name	Description
025487	CK	3/7/2018	162.00	186 STAFFORD ROSENBAUM LLC	Stafford-Sewer Ordinance/Stafford-Audit/Stafford-Audit/Stafford-Audit
025488	VC	3/20/2018	0.00	218 T.R. MILLER MILL CO., INC.	Mill Co-Inventory/Mill Co-Inventory
025489	CK	3/7/2018	3,538.97	400 RESCO	Resco-Supplies/Resco-Supplies/Resco-Supplies/Resco-Supplies/Resco-Supplies/Resco-Supplies/Resco-credit 699960-00
025490	CK	3/7/2018	4,319.67	726 J & R UNDERGROUND	J & R Underground sub conduit/J & R Underground-Sub conduits
025491	CK	3/7/2018	197.50	260 LR METER TESTING & REPAIR INC	LR Meter-Meter tests
025492	CK	3/7/2018	2,780.00	415 STOUGHTON CHAMBER OF COMMERCE	Stoton Chamber-Ad page
025493	CK	3/7/2018	288.00	885 THE O'BRION AGENCY, LLC	Obrion Agency-Office supply/Obrion Agency-Office supply/Obrion Agency-Office supply/Obrion Agency-Office supply
025494	CK	3/14/2018	28,297.00	892 ELECTRICAL POWER PRODUCTS, INC.	Elec Pwr-scada retainage
025495	CK	3/14/2018	218.00	076 TONI BOEGEL	T Boegel-Customer Refund
025496	CK	3/14/2018	76.19	241 ROBERT NELSON	R Nelson-Customer Refund
025497	CK	3/14/2018	59.77	823 PHIL KLEIBOER	P Kleiboer-Customer Refund
025498	CK	3/14/2018	2,729.95	377 GENERAL COMMUNICATIONS, INC	General Comm-logo/General Comm-Logo
025499	CK	3/14/2018	1,838.56	451 INSIGHT FS	Insights-Fuel/Insights-Fuel/Insights-Fuel
025500	CK	3/14/2018	119.73	474 WOODWARD COMMUNITY MEDIA	Woodward-Ads
025501	CK	3/14/2018	50.00	675 WI STATE LABORATORY OF HYGIENE	Wi State Lab-Fluoride tests
025502	CK	3/14/2018	1,840.00	727 GLS UTILITY LLC	GLS Utility-Feb Locates/GLS Utility-Feb Locates/GLS Utility-Feb Locates
025503	CK	3/14/2018	4,985.50	362 UTILITY SERVICE CO., INC	Utility-qtr twr
025504	CK	3/14/2018	61.99	955 DAVID MC KICHAN	D Mckichan-Customer Refund

Stoughton Utilities

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Period: - As of: 4/3/2018

Check Nbr	Type	Date	Amount Paid	Vendor ID / Name	Description
025505	CK	3/14/2018	45.00	956 WI DNR - OPERATOR CERTIFICATION SS/7	WI DNR-WW Certification
025506	CK	3/14/2018	2,234.35	924 STOUGHTON PICK LLC	Stoton Pick-Customer Refund
025507	VC	3/28/2018	0.00	218 T.R. MILLER MILL CO., INC.	Mill Co-Inventory/Mill Co-Inventory
025508	CK	3/21/2018	43,969.53	131 CITY OF STOUGHTON	City Stoton-Stormwater
025509	CK	3/21/2018	337.62	166 INKWORKS, INC.	Inkworks-inserts
025510	CK	3/21/2018	493.18	405 ROSENBAUM CRUSHING & EXCAV.	Rosenbaum-Dump Charges
025511	CK	3/21/2018	137.91	904 BJ ELECTRIC	BJ Electric-Lighting
025512	CK	3/21/2018	258.73	119 LAMP RECYCLERS	Lamp Recyclers-Recycle reimb
025513	CK	3/21/2018	19,432.26	131 CITY OF STOUGHTON	City Stoton-Mar B Retirement/City Stoton-Mar B Retirement/City Stoton-Mar B Retirement
025514	CK	3/21/2018	176.77	133 WISCONSIN SCTF	WI SCTF-Support
025515	CK	3/21/2018	36,438.16	303 MP SYSTEMS, INC.	MP Systems-Pay Req #5
025516	CK	3/21/2018	70.33	851 DIVISION OF ENERGY HOUSING AND COMM. RESOURCE	Div of Energy-Customer Refund
025517	CK	3/21/2018	313.50	324 ELECTRICAL TESTING LAB., LLC.	Elec Testing-Tests
025518	CK	3/21/2018	57.00	584 VINING SPARKS IBG, L.P.	Vining Sparks-Safekeeping
025519	CK	3/21/2018	920.00	084 HARVEST FARMS, LLC	Harvest Farms-Phase 1/Harvest Farms-Phase II
025520	CK	3/21/2018	1,039.78	583 SONNY'S	Sonny-Customers Refund/Sonny-Customers Refund/Sonny-Customers Refund/Sonny-Customers Refund
025521	CK	3/26/2018	252.00	133 WISCONSIN SCTF	WI SCTF-Support
025522	CK	3/26/2018	28.00	133 WISCONSIN SCTF	WI SCTF-March B Support
025523	ZC	3/28/2018	0.00	218 T.R. MILLER MILL CO., INC.	Mill Co-Inventory/Mill - void check
025524	CK	3/28/2018	475.00	171 ASSOCIATED TRUST CO.-TRUST OPERATIONS	Assoc Trust-El Rev Bond

Stoughton Utilities

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Period: - As of: 4/3/2018

Check Nbr	Type	Date	Amount Paid	Vendor ID / Name	Description
025525	CK	3/28/2018	8,057.52	218 T.R. MILLER MILL CO., INC.	T.R. MILLER MILL CO., INC.
025526	CK	3/28/2018	2,516.12	327 BORDER STATES ELECTRIC SUPPLY	Border States-Supplies/Border States-Wildlife cover/Border States-Supplies
025527	CK	3/28/2018	17,616.79	448 STRAND ASSOCIATES INC.	Strand-Well 4 replacement/Strand-Uniroyal discharge/Strand-Roundabout work/Strand-18 Utiltity const/Strand-17 Utitity const/Strand-17 Utitity const/Strand-18 Utiltity const/Strand-Roundabout work/Strand-Scada review/Strand-west main work/More...
025528	CK	3/28/2018	113.33	763 PAUL & DORIS TYLER	P Tyler-Customer Refund
025529	CK	3/28/2018	136.50	186 STAFFORD ROSENBAUM LLC	Stafford Rosenbaum-Attny fees
025530	CK	3/28/2018	6,720.10	400 RESCO	Resco-Supplies/Resco-Inventory
025531	CK	3/28/2018	500.00	851 DIVISION OF ENERGY HOUSING AND COMM. RESOURCE	Div of Energy-Customer Refund/Div of Energy-Customer Refund/Div of Energy-Customer Refund
025532	CK	3/28/2018	25.00	956 WI DNR - OPERATOR CERTIFICATION SS/7	Wi Dnr-Dnr Exams
025533	CK	3/28/2018	199.00	989 STOUGHTON TRAILERS	Stoton Trailers-School exp
101624	CK	3/7/2018	152.00	404 JESSE MOWERY	J Mowery-School/J Mowery-School
101625	CK	3/7/2018	3,320.00	463 GREAT-WEST	Great West-Mar A Def Comp
101626	CK	3/7/2018	450.00	731 NORTH SHORE BANK FSB-DEFERRED COMP.	N Shore Bk-Mar A Def Comp
101627	CK	3/7/2018	94.00	745 LOUIS RADA	L Rada-School
101628	CK	3/7/2018	18,401.41	157 FORSTER ELEC. ENG.,INC.	Forster-Overview diagrams/Forster-Scada/Forster-Roundabouts/Forster-W Sub/Forster-Wiley Easement
101629	CK	3/7/2018	50.00	181 BRIAN HOOPS	B Hoops-School
101630	CK	3/7/2018	50.00	499 ROBERT KARDASZ	R Kardsaz-school
101631	CK	3/7/2018	451.00	529 SEAN GRADY	S Grady-Reimb/S Grady-Reimb/S Grady-Reimb

Stoughton Utilities

Check Register Summary - Standard

Period: - As of: 4/3/2018

Check Nbr	Type	Date	Amount Paid	Vendor ID / Name	Description
101632	CK	3/7/2018	5,903.92	995 MEUW	Meuw-Sessions/Meuw-Msds software/Meuw-Msds software/Meuw-Msds software
101633	CK	3/15/2018	190.00	545 AARON MATTINGLY	A Mattingly-School/A Mattingly-School
101634	CK	3/15/2018	1,807.00	648 BAKER TILLY VIRCHOW KRAUSE, LLP	Baker Tilly-Professional svcs/Baker Tilly-Professional svcs/Baker Tilly-Professional svcs
101635	CK	3/15/2018	3,700.98	852 INFOSEND, INC	Infosend-Billing & Mailing/Infosend-Billing & Mailing/Infosend-Billing & Mailing/Infosend-Billing & Mailing
101636	CK	3/21/2018	54.57	181 BRIAN HOOPS	B Hoops-Conf Exp
101637	CK	3/21/2018	44.00	310 HANSON PEST MANAGEMENT	Hanson Pest-March Pest Maint.
101638	CK	3/21/2018	3,320.00	463 GREAT-WEST	Great West-Mar B Def Comp
101639	CK	3/21/2018	5,593.82	603 SEERA-WIPFLI LLP	Seera-Public Benefits
101640	CK	3/21/2018	214.25	647 JOHN & REBECCA SCHELLER	J Scheller-Customer Refund
101641	CK	3/21/2018	450.00	731 NORTH SHORE BANK FSB-DEFERRED COMP.	N Shore Bk-Mar B Def comp
		Company Total	1,396,570.43		

Date: Thursday, March 08, 2018
Time: 08:37AM
User: SGUNSOLUS

Select By: {PSSPurchCard.RefNbr} = '0000000082'

Stoughton Utilities
Posting Preview Report

Company	Account	Sub	Vendor ID	Merchant	Amount	Description	Post Date	Emp ID	Projec
Import ID: 009010		**Import # : 0000000082**							
7430	143	000000	096	ADOBE SYSTEMS, INC.	-13.19	SOFTWARE LICENSING - ADOBE PUBLISHER - SALES TAX REFUND	02/22/2018	3680	-
7430	143	000000	436	STOUGHTON LUMBER CO	-38.90	REFUND	02/08/2018	6980	-
7430	593	000000	994	REVERE ELECTRIC SUPPLY CO	-20.08	MISC SUPPLIES	02/19/2018	6980	-
7460	833	000000	390	BADGER WATER	33.80	WATER FOR WW LAB	02/02/2018	8300	-
7460	833	000000	937	SPEE-DEE DELIVERY	20.02	SHIPPING OF SAMPLES	02/19/2018	8300	-
7460	833	000000	974	NORTHERN LAKE SERVICE, IN	64.00	WW SAMPLE TESTING	02/22/2018	8300	-
7460	833	000000	390	BADGER WATER	61.80	WATER FOR WW LAB	02/26/2018	8300	-
7430	920	000000	894	DELTA AIR BAGGAGE FEE	25.00	TRAINING EXPENSE - TRAVEL - APPA LEGISLATIVE RALLY	02/27/2018	1000	-
7430	920	000000	894	THE OLD FASHIONED	10.00	Training Expense - Meals - WI Energy Providers Conference	02/02/2018	5250	-
7430	143	000000	894	THE OLD FASHIONED	6.00	Training Expense - Meals - WI Energy Providers Conference - Employee Reim	02/02/2018	5250	-
7430	920	000000	894	62023 - MONONA TERRACE	16.00	Training Expense - Parking - WI Energy Providers Conference	02/02/2018	5250	-
7430	921	000000	836	MSFT E040056PHB	31.90	SOFTWARE LICENSING - HOSTED MICROSOFT LYNC SERVER	02/05/2018	5250	-
7450	921	000000	836	MSFT E040056PHB	11.60	SOFTWARE LICENSING - HOSTED MICROSOFT LYNC SERVER	02/05/2018	5250	-
7460	851	000000	836	MSFT E040056PHB	14.50	SOFTWARE LICENSING - HOSTED MICROSOFT LYNC SERVER	02/05/2018	5250	-
7430	903	000000	419	PAYFLOW/PAYPAL	53.77	Credit Card Processing - Online MyAccount	02/05/2018	5250	-
7450	903	000000	419	PAYFLOW/PAYPAL	19.35	Credit Card Processing - Online MyAccount	02/05/2018	5250	-
7460	840	000000	419	PAYFLOW/PAYPAL	25.81	Credit Card Processing - Online MyAccount	02/05/2018	5250	-
7430	233	001099	419	PAYFLOW/PAYPAL	8.62	Credit Card Processing - Online MyAccount	02/05/2018	5250	-
7430	903	000000	419	PAYFLOW/PAYPAL	32.57	Credit Card Processing - Desktop and Recurring	02/05/2018	5250	-
7450	903	000000	419	PAYFLOW/PAYPAL	11.72	Credit Card Processing - Desktop and Recurring	02/05/2018	5250	-
7460	840	000000	419	PAYFLOW/PAYPAL	15.63	Credit Card Processing - Desktop and Recurring	02/05/2018	5250	-
7430	233	001099	419	PAYFLOW/PAYPAL	5.23	Credit Card Processing - Desktop and Recurring	02/05/2018	5250	-
7430	920	000000	894	METRO FARE AUTOLOAD	25.00	TRAINING EXPENSE - TRAVEL - APPA LEGISLATIVE RALLY - RKARDASZ	02/22/2018	5250	-
7430	920	000000	894	METRO FARE AUTOLOAD	40.00	TRAINING EXPENSE - TRAVEL - APPA LEGISLATIVE RALLY - BHOOPS	02/22/2018	5250	-
7430	920	000000	439	AMER PUBLIC POWER ASSO	54.45	Training Expense - Registration - APPA Compensation Webinar	02/27/2018	5250	-
7450	920	000000	439	AMER PUBLIC POWER ASSO	19.80	Training Expense - Registration - APPA Compensation Webinar	02/27/2018	5250	-
7460	850	000000	439	AMER PUBLIC POWER ASSO	24.75	Training Expense - Registration - APPA Compensation Webinar	02/27/2018	5250	-
7450	642	000000	571	USA BLUE BOOK	97.40	LAB SUPPLIES	02/20/2018	8400	-
7430	163	000000	108	ASLESON'S TRUE VALUE HDW	9.78	ELECTRIC STORAGE PROJECT	02/01/2018	8700	-
7430	163	000000	436	STOUGHTON LUMBER CO	114.48	ELECTRIC STORAGE PROJECT	02/02/2018	8700	-
7430	163	000000	436	STOUGHTON LUMBER CO	17.45	ELECTRIC STORAGE PROJECT	02/05/2018	8700	-
7430	163	000000	436	STOUGHTON LUMBER CO	23.98	ELECTRIC STORAGE PROJECT	02/07/2018	8700	-
7430	163	000000	108	ASLESON'S TRUE VALUE HDW	88.87	ELECTRIC STORAGE PROJECT	02/14/2018	8700	-
7430	932	000000	108	ASLESON'S TRUE VALUE HDW	2.63	CLOG REMOVER	02/19/2018	8700	-
7450	932	000000	108	ASLESON'S TRUE VALUE HDW	0.95	CLOG REMOVER	02/19/2018	8700	-
7460	834	000000	108	ASLESON'S TRUE VALUE HDW	1.21	CLOG REMOVER	02/19/2018	8700	-
7430	932	000000	108	ASLESON'S TRUE VALUE HDW	5.49	DRAIN OPENER	02/20/2018	8700	-
7450	932	000000	108	ASLESON'S TRUE VALUE HDW	1.99	DRAIN OPENER	02/20/2018	8700	-
7460	834	000000	108	ASLESON'S TRUE VALUE HDW	2.51	DRAIN OPENER	02/20/2018	8700	-
7430	932	000000	108	ASLESON'S TRUE VALUE HDW	5.21	URINAL REPAIR	02/20/2018	8700	-
7450	932	000000	108	ASLESON'S TRUE VALUE HDW	1.89	URINAL REPAIR	02/20/2018	8700	-
7460	834	000000	108	ASLESON'S TRUE VALUE HDW	2.39	URINAL REPAIR	02/20/2018	8700	-

Date: Thursday, March 08, 2018
Time: 08:37AM
User: SGUNSOLUS

Select By: {PSSPurchCard.RefNbr} = '0000000082'

Stoughton Utilities

Posting Preview Report

Company	Account	Sub	Vendor ID	Merchant	Amount	Description	Post Date	Emp ID	Projec
7430	932	000000	108	ASLESON'S TRUE VALUE HDW	10.98	PAIN FOR ADMIN BLDG	02/21/2018	8700	-
7450	932	000000	108	ASLESON'S TRUE VALUE HDW	3.99	PAINT FOR ADMIN BLDG	02/21/2018	8700	-
7460	834	000000	108	ASLESON'S TRUE VALUE HDW	5.00	PAINT FOR ADMIN BLDG	02/21/2018	8700	-
7430	934	000000	148	FASTENAL COMPANY01	12.96	METAL FOR FORK LIFT	02/22/2018	8700	-
7450	642	000000	652	MENARDS MADISON EAST WI	187.64	PAINT SPRAYER	02/23/2018	8700	-
7450	631	000000	436	STOUGHTON LUMBER CO	1.39	WELL 7 PAIN	02/01/2018	7400	-
7450	642	000000	108	ASLESON'S TRUE VALUE HDW	9.98	SAMPLE TAP PARTS	02/15/2018	7400	-
7450	631	000000	108	ASLESON'S TRUE VALUE HDW	21.99	WELL REPAIRS	02/15/2018	7400	-
7450	675	000000	108	ASLESON'S TRUE VALUE HDW	6.49	MORTAR	02/16/2018	7400	-
7450	675	000000	108	ASLESON'S TRUE VALUE HDW	35.62	HOSE BIB REPLACEMENT PARTS	02/16/2018	7400	-
7450	675	000000	436	STOUGHTON LUMBER CO	1.99	HOSE BIB REPLACEMENT PARTS	02/19/2018	7400	-
7450	631	000000	436	STOUGHTON LUMBER CO	15.98	PAINT ROLLERS	02/22/2018	7400	-
7450	642	000000	108	ASLESON'S TRUE VALUE HDW	11.92	WATER SAMPLE SITE KEYS	02/23/2018	7400	-
7450	642	000000	108	ASLESON'S TRUE VALUE HDW	16.23	SAMPLE BUCKET FITTINGS	02/26/2018	7400	-
7460	851	000000	148	FASTENAL COMPANY01	13.12	BATTERIES	02/01/2018	8710	-
7460	833	000000	108	ASLESON'S TRUE VALUE HDW	12.78	GBT OIL AND BOLT	02/01/2018	8710	-
7460	831	000000	994	TRACTOR SUPPLY #2236	39.99	MANHOLE BAR	02/15/2018	8710	-
7460	833	000000	108	ASLESON'S TRUE VALUE HDW	7.99	BATTERIES FOR THERMOMETER	02/16/2018	8710	-
7460	831	000000	994	TRACTOR SUPPLY #2236	7.58	TRUCK TOOL BOX REPAIRS	02/20/2018	8710	-
7460	831	000000	108	ASLESON'S TRUE VALUE HDW	31.99	SLEDGE HAMMER	02/23/2018	8710	-
7460	831	000000	674	NORTHERN SEWER EQUIP	260.30	TELEVISING PARTS	02/02/2018	8200	-
7460	834	000000	087	H&H INDUSTRIES	650.00	ROOF TOP UNIT	02/05/2018	8200	-
7460	850	000000	419	PAYPAL WWOA	204.00	WWOA WEBINAR AND DUES	02/07/2018	8200	-
7460	832	000000	207	LW ALLEN	85.30	EASTWOOD LIFT STATION PART	02/08/2018	8200	-
7460	827	000000	994	MAGID GLOVE SAFETY	154.00	NITRILE GLOVES	02/08/2018	8200	-
7460	831	000000	674	NORTHERN SEWER EQUIP	416.50	TELEVISING CAMERA REPAIR	02/19/2018	8200	-
7460	834	000000	108	ASLESON'S TRUE VALUE HDW	13.97	PLUMBING SUPPLIES	02/20/2018	8200	-
7460	833	000000	994	LAI LTD	571.76	BLOWER OIL, FILTERS AND SEALS	02/21/2018	8200	-
7460	850	000000	270	MADISON NEWSPAPERS	156.00	STATE JOURNAL SUBSCRIPTION	02/27/2018	8200	-
7460	834	000000	417	SUPERIOR CHEMICAL CORP	70.94	JANITORIAL SUPPLIES	02/28/2018	8200	-
7430	903	000000	894	GPS DANE COUNTY SHERIFFS	3.59	Police accident report - Car v. Pole	02/26/2018	3670	-
7430	921	000000	507	WAL-MART #1176	12.59	General conference room supplies	02/01/2018	3680	-
7450	921	000000	507	WAL-MART #1176	4.58	General conference room supplies	02/01/2018	3680	-
7460	851	000000	507	WAL-MART #1176	5.73	General conference room supplies	02/01/2018	3680	-
7430	921	000000	352	STAPLS7191593881000001	62.76	GENERAL KITCHEN AND CUSTODIAL SUPPLIES	02/05/2018	3680	-
7450	921	000000	352	STAPLS7191593881000001	22.59	GENERAL KITCHEN AND CUSTODIAL SUPPLIES	02/05/2018	3680	-
7460	851	000000	352	STAPLS7191593881000001	30.12	GENERAL KITCHEN AND CUSTODIAL SUPPLIES	02/05/2018	3680	-
7430	233	001099	352	STAPLS7191593881000001	10.06	GENERAL KITCHEN AND CUSTODIAL SUPPLIES	02/05/2018	3680	-
7430	921	000000	352	STAPLS7191593519000001	44.02	GENERAL OFFICE SUPPLIES	02/05/2018	3680	-
7450	921	000000	352	STAPLS7191593519000001	15.84	GENERAL OFFICE SUPPLIES	02/05/2018	3680	-
7460	851	000000	352	STAPLS7191593519000001	21.12	GENERAL OFFICE SUPPLIES	02/05/2018	3680	-
7430	233	001099	352	STAPLS7191593519000001	7.06	GENERAL OFFICE SUPPLIES	02/05/2018	3680	-
7430	143	000000	994	CRESTLINE SPECIALTIES	200.58	LOGO TABLE COVER. WPPI REIMBURSED	02/07/2018	3680	-
7430	921	000000	422	AMAZON.COM AMZN.COM/BILL	14.39	General office supplies	02/07/2018	3680	-

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Company	Account	Sub	Vendor ID	Merchant	Amount	Description	Post Date	Emp ID	Projec
7450	921	000000	422	AMAZON.COM AMZN.COM/BILL	5.18	General office supplies	02/07/2018	3680	-
7460	851	000000	422	AMAZON.COM AMZN.COM/BILL	6.90	General office supplies	02/07/2018	3680	-
7430	233	001099	422	AMAZON.COM AMZN.COM/BILL	2.31	General office supplies	02/07/2018	3680	-
7450	642	000000	824	UPS 1ZG194WT0330858066	9.73	SHIPPING OF WATER SAMPLES FOR TESTING	02/12/2018	3680	-
7430	921	000000	096	ADOBE SYSTEMS, INC.	119.95	SOFTWARE LICENSING - ADOBE PUBLISHER - ANNUAL	02/16/2018	3680	-
7450	921	000000	096	ADOBE SYSTEMS, INC.	43.18	SOFTWARE LICENSING - ADOBE PUBLISHER - ANNUAL	02/16/2018	3680	-
7460	851	000000	096	ADOBE SYSTEMS, INC.	57.56	SOFTWARE LICENSING - ADOBE PUBLISHER - ANNUAL	02/16/2018	3680	-
7430	233	001099	096	ADOBE SYSTEMS, INC.	19.19	SOFTWARE LICENSING - ADOBE PUBLISHER - ANNUAL	02/16/2018	3680	-
7430	143	000000	096	ADOBE SYSTEMS, INC.	13.19	SALES TAX REFUND	02/16/2018	3680	-
7450	642	000000	824	UPS 1ZG194WT0325311674	9.73	SHIPPING OF WATER SAMPLES FOR TESTING	02/19/2018	3680	-
7430	920	000000	601	FOSDAL BAKERY LLC	4.67	Meeting expense - Utilities Committee	02/20/2018	3680	-
7450	920	000000	601	FOSDAL BAKERY LLC	1.70	Meeting expense - Utilities Committee	02/20/2018	3680	-
7460	850	000000	601	FOSDAL BAKERY LLC	2.13	Meeting expense - Utilities Committee	02/20/2018	3680	-
7430	920	000000	994	JIMMY JOHNS - 1959 - E	26.37	Meeting expense - SU Supervisors	02/21/2018	3680	-
7450	920	000000	994	JIMMY JOHNS - 1959 - E	9.59	Meeting expense - SU Supervisors	02/21/2018	3680	-
7460	850	000000	994	JIMMY JOHNS - 1959 - E	11.99	Meeting expense - SU Supervisors	02/21/2018	3680	-
7450	642	000000	824	UPS 1ZG194WT0307856281	9.73	SHIPPING OF WATER SAMPLES FOR TESTING	02/26/2018	3680	-
7430	593	000000	108	ASLESON'S TRUE VALUE HDW	96.85	CHAINSAW PARTS	02/06/2018	6960	-
7430	593	000000	108	ASLESON'S TRUE VALUE HDW	795.89	CHAINSAW PARTS/REPAIR	02/12/2018	6960	-
7430	593	000000	108	ASLESON'S TRUE VALUE HDW	16.00	SPARK PLUGS FOR SAWS	02/14/2018	6960	-
7430	934	000000	317	CENEX D M SERV07083686	32.00	FORK LIFT FUEL	02/20/2018	6960	-
7430	593	000000	108	ASLESON'S TRUE VALUE HDW	8.99	BRN POLEB NAIL	02/06/2018	5296	-
7430	594	000000	108	ASLESON'S TRUE VALUE HDW	9.00	BRN POLEB NAIL	02/06/2018	5296	-
7430	594	000000	436	STOUGHTON LUMBER CO	14.99	HOLE SAW	02/07/2018	5296	-
7430	593	000000	436	STOUGHTON LUMBER CO	10.99	MISC ELECTRIC TOOLS	02/07/2018	5296	-
7430	594	000000	436	STOUGHTON LUMBER CO	11.00	MISC ELECTRIC TOOLS	02/07/2018	5296	-
7430	594	000000	436	STOUGHTON LUMBER CO	13.99	HOLE SAW	02/07/2018	5296	-
7430	593	000000	436	STOUGHTON LUMBER CO	18.99	MISC ELECTRIC TOOLS	02/07/2018	5296	-
7430	594	000000	436	STOUGHTON LUMBER CO	18.99	MISC ELECTRIC TOOLS	02/07/2018	5296	-
7430	593	000000	436	STOUGHTON LUMBER CO	4.10	MISC ELECTRIC MATERIALS	02/21/2018	5296	-
7430	593	000000	894	RADISSON HOTEL AND CONFER	164.00	HOTEL FOR APPRENTICE SCHOOL	02/12/2018	6930	-
7430	594	000000	894	RADISSON HOTEL AND CONFER	164.00	HOTEL FOR APPRENTICE SCHOOL	02/12/2018	6930	-
7430	593	000000	436	STOUGHTON LUMBER CO	26.99	DRILL BIT	02/22/2018	6930	-
7430	593	000000	436	STOUGHTON LUMBER CO	27.00	ELECTRIC CHAINSAW REPAIRS	02/02/2018	5275	-
7430	593	000000	436	STOUGHTON LUMBER CO	35.99	ELECTRIC CHAINSAW REPAIRS	02/02/2018	5275	-
7450	642	000000	974	NORTHERN LAKE SERVICE, IN	16.00	WATER SAMPLE TESTING	02/28/2018	5275	-
7430	593	000000	894	KWIK TRIP 73800007385	15.75	CHAINSAW GAS	02/02/2018	6980	-
7430	593	000000	108	ASLESON'S TRUE VALUE HDW	74.43	CHAINSAW PARTS	02/02/2018	6980	-
7430	593	000000	108	ASLESON'S TRUE VALUE HDW	42.15	CHAINSAW SHARPENER	02/05/2018	6980	-
7450	631	000000	436	STOUGHTON LUMBER CO	14.28	WELL 7 MAINT	02/07/2018	6980	-
7430	143	000000	436	STOUGHTON LUMBER CO	38.90	REFUNDED	02/07/2018	6980	-
7450	631	000000	438	GORDON ELECTRIC SUPPLY	534.90	WELL 7 MAINT	02/07/2018	6980	-
7430	592	000000	436	STOUGHTON LUMBER CO	104.15	S SUB SCADA MAIN	02/08/2018	6980	-
7430	592	000000	436	STOUGHTON LUMBER CO	23.98	S SUB SCADA MAINT	02/09/2018	6980	-

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7430	932	000000	436	STOUGHTON LUMBER CO	99.98	WORK BENCHES	02/12/2018	6980	-
7450	631	000000	994	RA HEATING AND SIR CONDIT	102.10	WELL 7 MAIN	02/12/2018	6980	-
7430	593	000000	436	STOUGHTON LUMBER CO	3.90	MISC MATERIALS	02/15/2018	6980	-
7430	594	000000	436	STOUGHTON LUMBER CO	3.90	MISC MATERIALS	02/15/2018	6980	-
7450	675	000000	108	ASLESON'S TRUE VALUE HDW	31.99	WELDING MASK	02/15/2018	6980	-
7430	593	000000	108	ASLESON'S TRUE VALUE HDW	11.74	ELECTRIC TOOLS	02/15/2018	6980	-
7430	594	000000	108	ASLESON'S TRUE VALUE HDW	11.74	ELECTRIC TOOLS	02/15/2018	6980	-
7430	593	000000	994	REVERE ELECTRIC SUPPLY CO	15.11	MISC SUPPLIES	02/19/2018	6980	-
7430	593	000000	994	REVERE ELECTRIC SUPPLY CO	15.11	MISC SUPPLIES	02/19/2018	6980	-
7430	593	000000	994	REVERE ELECTRIC SUPPLY CO	15.11	MISC SUPPLIES	02/19/2018	6980	-
7430	593	000000	994	REVERE ELECTRIC SUPPLY CO	15.11	MISC SUPPLIES	02/19/2018	6980	-
7450	631	000000	436	STOUGHTON LUMBER CO	95.17	WELL 4 LIGHTING	02/21/2018	6980	-
7430	593	000000	436	STOUGHTON LUMBER CO	4.69	MISC MATERIALS	02/23/2018	6980	-
7430	594	000000	436	STOUGHTON LUMBER CO	4.69	MISC MATERIALS	02/23/2018	6980	-
7460	834	000000	108	ASLESON'S TRUE VALUE HDW	19.86	PAINT CANS / HEAT LAMP	02/02/2018	8740	-
7460	833	000000	108	ASLESON'S TRUE VALUE HDW	11.06	BLEACH FOR LAB	02/08/2018	8740	-
7430	934	000000	994	CAPITAL EQUIPMENT	69.00	FORK LIFT MAINT	02/07/2018	4000	-
7450	641	000000	309	HAWKINS INC	1,626.69	CHEMICALS	02/09/2018	4000	-
7430	926	000000	809	CINTAS 446	162.98	UNIFORM CLEANING	02/19/2018	4000	-
7450	926	000000	809	CINTAS 446	29.54	UNIFORM CLEANING	02/19/2018	4000	-
7460	854	000000	809	CINTAS 446	22.27	UNIFORM CLEANING	02/19/2018	4000	-
7450	673	000000	504	IN AMERICAN LEAK DETECTI	590.00	LEAK SURVEY	02/23/2018	4000	-
7430	926	000000	809	CINTAS 446	162.98	UNIFORM CLEANING	02/26/2018	4000	-
7450	926	000000	809	CINTAS 446	29.54	UNIFORM CLEANING	02/26/2018	4000	-
7460	854	000000	809	CINTAS 446	22.27	UNIFORM CLEANING	02/26/2018	4000	-
7430	920	000000	601	FOSDAL BAKERY LLC	26.25	DONUTS FOR MEUW SAFETY	02/15/2018	6940	-
7430	933	000000	894	KWIK TRIP 39000003905	45.32	GAS	02/26/2018	6940	-
7430	593	000000	894	HAMPTON INN EAU CLAIRE	222.50	HOTEL FOR SCHOOL	02/26/2018	6940	-
7430	594	000000	894	HAMPTON INN EAU CLAIRE	222.50	HOTEL FOR SCHOOL	02/26/2018	6940	-
7430	107.14	000000	521	WESCO - # 7855	13,489.90	E SUB WILDLIFE PROTECTION	02/02/2018	4100	180013XX - 1
7450	232	001099	571	USA BLUE BOOK	289.00	WATER INVENTORY	02/06/2018	4100	-
7430	593	000000	521	WESCO - # 7855	61.87	LIFTING SLEEVES	02/12/2018	4100	-
7430	594	000000	521	WESCO - # 7855	61.88	LIFTING SLEEVES	02/12/2018	4100	-
7430	593	000000	521	WESCO - # 7855	73.75	HOT STICK WIPES	02/12/2018	4100	-
7430	594	000000	521	WESCO - # 7855	73.75	HOT STICK WIPES	02/12/2018	4100	-
7430	107.14	000000	521	WESCO - # 7855	734.10	ARRESTERS	02/12/2018	4100	180022XX - 1
7430	594	000000	786	NAPA PARTS - SNP 0027410	137.16	WYPALL	02/13/2018	4100	-
7430	932	000000	786	NAPA PARTS - SNP 0027410	25.67	TOWELS	02/13/2018	4100	-
7450	232	001099	550	FIRST SUPPLY WFPG MAD	253.25	WATER INVENTORY	02/13/2018	4100	-
7430	107.14	000000	521	WESCO - # 7855	196.10	FEEDER MATERIALS	02/19/2018	4100	160034XX - 1
7450	232	001099	816	CORE & MAIN LP 233	15.60	WATER INVENTORY	02/20/2018	4100	-
7430	107.14	000000	355	STUART C IRBY	9,391.86	CABLE	02/21/2018	4100	160034XX - 1
7430	932	000000	786	NAPA PARTS - MAD 0027019	58.65	GENERAL PLANT SUPPLIES	02/22/2018	4100	-
7450	932	000000	786	NAPA PARTS - MAD 0027019	21.32	GENERAL PLANT SUPPLIES	02/22/2018	4100	-

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7460	834	000000	786	NAPA PARTS - MAD 0027019	26.67	GENERAL PLANT SUPPLIES	02/22/2018	4100	-
7430	932	000000	994	AMAZON MKTPLACE PMTS	27.47	MENS BATHROOM REPAIRS	02/26/2018	4100	-
7450	932	000000	994	AMAZON MKTPLACE PMTS	9.99	MENS BATHROOM REPAIRS	02/26/2018	4100	-
7460	834	000000	994	AMAZON MKTPLACE PMTS	12.49	MENS BATHROOM REPAIRS	02/26/2018	4100	-
7430	232	001099	355	STUART C IRBY	585.00	ELECTRIC INVENTORY	02/26/2018	4100	-
7430	232	001099	355	STUART C IRBY	6,357.05	ELECTRIC INVENTORY	02/26/2018	4100	-
7430	107.14	000000	355	STUART C IRBY	1,352.60	FEEDER MATERIALS	02/26/2018	4100	160034XX - 1
7430	232	001099	355	STUART C IRBY	1,963.96	ELECTRIC INVENTORY	02/26/2018	4100	-
7430	232	001099	355	STUART C IRBY	875.82	ELECTRIC INVENTORY	02/26/2018	4100	-
7430	593	000000	355	STUART C IRBY	210.40	OH MATERIALS	02/26/2018	4100	-
7430	232	001099	355	STUART C IRBY	195.00	ELECTRIC INVENTORY	02/26/2018	4100	-
7430	232	001099	355	STUART C IRBY	19,071.15	ELECTRIC INVENTORY	02/26/2018	4100	-
7430	593	000000	355	STUART C IRBY	537.78	OH MATERIALS	02/26/2018	4100	-
				Total:	**66,918.53**				

DRAFT STOUGHTON UTILITIES COMMITTEE REGULAR MEETING MINUTES

Location: Edmund T. Malinowski Board Room
Stoughton Utilities Administration Office
600 South Fourth Street
Stoughton, Wisconsin, 53589

Members Present: Alderperson Matt Bartlett, Alderperson Michael Engelberger, Citizen Member David Erdman, Alderperson Pat O'Connor, Mayor Donna Olson

Excused: Citizen Member Kym Ackerman, Citizen Member John Kallas

Absent: None

Others Present: Jodi Dobson, CPA - Partner - Baker Tilly Virchow Krause, LLP, Stoughton Utilities Finance Manager Jamin Friedl, CPA, Stoughton Utilities Assistant Director Brian Hoops, Stoughton Utilities Director Robert Kardasz, P.E.

Call to Order: Mayor Donna Olson called the Regular Stoughton Utilities Committee Meeting to order at 5:00 p.m.

Utilities Committee Consent Agenda: Stoughton Utilities staff presented and discussed the Stoughton Utilities Committee consent agenda items. Discussion followed.

Motion by Alderperson Michael Engelberger, the motion seconded by Alderperson Pat O'Connor, to approve the following consent agenda items as presented: Stoughton Utilities Payments Due List Report, Draft Minutes of the February 19, 2018 Regular Utilities Committee Meeting, Stoughton Utilities January 2018 Financial Summary, Stoughton Utilities January 2018 Statistical Report, Stoughton Utilities February 2018 Activities Report, Utilities Committee Annual Calendar, Communications. The motion carried unanimously 5 to 0.

Status of the Utilities Committee recommendation(s) to the Stoughton Common Council: Stoughton Utilities staff presented and discussed the following items from the Stoughton Utilities Committee that were approved and/or placed on file by the Stoughton Common Council:

- Stoughton Utilities Payments Due List Report
- Stoughton Utilities Committee January 16, 2018 Meeting Minutes
- Stoughton Utilities December 2017 Financial Summary
- Stoughton Utilities December 2017 Statistical Report
- Bad debt account write-offs through December 31, 2017
- Ordinance to amend Chapter 74 of the City of Stoughton Code of Ordinances, relating to utilities and sewer use (first reading)
- Request to authorize the bid award for the replacement of sewer-cleaning truck #17
- Adoption of the Addendum to the American Public Power Association (APPA) Safety Manual 16th Edition, 2017, Section 407(c)

Stoughton Utilities 2017 audit reports and management letter: Stoughton Utilities staff introduced Jodi Dobson from Baker Tilly Virchow Krause, LLP who presented the Stoughton Utilities 2017 Audit Reports and Management Letter. Discussion followed. Motion by Alderperson Michael Engelberger, the motion seconded by Alderperson Matt Bartlett, to approve the Stoughton Utilities 2017 audit reports and management letter and recommend the Stoughton Common Council approve the audit reports and management letter, and adopt the accompanying resolution at their April 10, 2018 meeting. The motion carried 5 to 0.

Stoughton Utilities 2017 Annual Water Consumer Confidence Report (CCR): Stoughton Utilities staff presented the Stoughton Utilities annual water CCR for the year 2017. Staff is proud to announce that the utility continues to meet or surpass all state and federal water quality standards under the Safe Drinking Water Act. Staff has completed all required water quality monitoring, sampling, and testing, and no significant changes to the quality or safety of our drinking water were noted. Discussion followed.

West Substation construction status update: Stoughton Utilities staff presented and discussed the status of the ongoing construction of the new West Substation, including work done by SU's construction contractor to construct the substation structure and outbound underground distribution lines, as well as work being done by American Transmission Company (ATC) to construct the incoming transmission line. Plans and construction photos were shared. Discussion followed.

Utilities Committee future agenda items: Discussion regarding the potential rate impacts of overhead to underground electric system reconstruction, presentation of the PSC Annual Reports for 2017 for the electric and water utility, and proposed tax-stabilization dividends.

Adjournment: Motion by Citizen Member David Erdman, the motion seconded by Alderperson Michael Engelberger, to adjourn the Regular Stoughton Utilities Committee Meeting at 5:42 p.m. The motion carried unanimously 5 to 0.

Respectfully submitted

Brian R. Hoops
Stoughton Utilities Assistant Director

Stoughton Utilities

Financial Summary

February 2018-YTD

Highlights-Comparison to prior month

I have no concerns with the utility's financial status. The following items are meant to illustrate significant changes in the financial summary from prior periods.

Overall Summary:

- The February 2018 results are reasonable in comparison to the January 2018 and February 2017 results. Detailed analysis is provided below.

Electric Summary:

- Electric sales decreased $89,800 compared to January due to a 11% decrease in consumption
- Other operating revenue decreased $44,400 compared to January due to the billing of the 1st half 2018 pole attachments in January
- Purchased power costs decreased $82,000 compared to January due to a 13% decrease in kWh purchased
- Operating expenses decreased $11,500 compared to January mainly due to the payment of the first half admin fees to the City in January
- Non-operating income decreased $177,900 compared to January mainly due to the reversal of the 2017 MTM adjustment in January 2018

Water Summary:

- Water sales decreased $6,900 compared to January due to a 6% decrease in consumption
- Operating expenses decreased $9,000 compared to January mainly due to the payment of the first half admin fees to the City in January
- Non-operating income decreased $13,100 compared to January mainly due to the reversal of the 2017 MTM adjustment in January 2018

Wastewater Summary:

- Wastewater sales decreased $10,600 compared to January due to a 9% decrease in sales consumption
- Non-operating income decreased $27,700 compared to January mainly due to the reversal of the 2017 MTM adjustment in January 2018

Submitted by:
Jamin Friedl, CPA

STOUGHTON UTILITIES
Balance Sheets
As of February 28, 2018

	Electric	Water	Wastewater	Combined
Assets				
Cash & Investments	$ 7,367,449	$ 1,321,617	$ 3,246,804	$ 11,935,869
Customer A/R	1,513,371	209,705	199,478	1,922,554
Other A/R	86,605	152	4	86,761
Other Assets	844,237	443,772	279,021	1,567,030
Plant in Service	26,247,520	15,492,155	29,538,690	71,278,365
Accumulated Depreciation	(13,431,676)	(5,164,464)	(11,135,780)	(29,731,920)
Plant in Service - CIAC	3,431,532	7,589,175	-	11,020,708
Accumulated Depreciation-CIAC	(1,729,733)	(2,109,591)	-	(3,839,324)
Construction Work in Progress	2,904,494	37,574	69,531	3,011,598
GASB 68 Deferred Outflow	457,351	157,142	173,873	788,366
Total Assets	$ 27,691,150	$ 17,977,237	$ 22,371,621	$ 68,040,008
Liabilities + Net Assets				
Accounts Payable	$ 282,200	$ 64,243	$ 45,079	$ 391,522
Payable to City of Stoughton	513,262	493,305	-	1,006,567
Interest Accrued	51,678	18,299	42,771	112,748
Other Liabilities	375,662	99,242	128,074	602,978
Long-Term Debt	5,748,833	3,072,793	5,026,967	13,848,593
Net Assets	20,497,426	14,151,069	17,040,972	51,689,466
GASB 68 Deferred Inflow	222,090	78,286	87,758	388,134
Total Liabilities + Net Assets	$ 27,691,150	$ 17,977,237	$ 22,371,621	$ 68,040,008

STOUGHTON UTILITIES

Year-to-Date Combined Income Statement

February 2018

	Electric	Water	Wastewater	Total
Operating Revenue:				
Sales	$ 2,407,181	$ 325,249	$ 319,166	$ 3,051,597
Other	48,652	10,916	13,238	72,806
Total Operating Revenue:	**$ 2,455,834**	**$ 336,165**	**$ 332,404**	**$ 3,124,403**
Operating Expense:				
Purchased Power	1,797,826	-	-	1,797,826
Expenses (Including Taxes)	320,908	148,006	145,701	614,615
PILOT	74,666	73,000	-	147,666
Depreciation	185,516	82,200	141,166	408,882
Total Operating Expense:	**$ 2,378,916**	**$ 303,206**	**$ 286,867**	**$ 2,968,989**
Operating Income	**$ 76,917**	**$ 32,959**	**$ 45,537**	**$ 155,413**
Non-Operating Income	235,674	15,655	30,699	282,028
Non-Operating Expense	(22,851)	(8,516)	(20,450)	(51,817)
Net Income	**$ 289,741**	**$ 40,098**	**$ 55,786**	**$ 385,625**

STOUGHTON UTILITIES

Year-to-Date Combined Income Statement

February 2017

	Electric	Water	Wastewater	Total
Operating Revenue:				
Sales	$ 2,269,213	$ 328,217	$ 313,458	$ 2,910,887
Other	52,033	$ 9,977	$ 9,668	71,678
Total Operating Revenue:	**$ 2,321,245**	**$ 338,193**	**$ 323,126**	**$ 2,982,565**
Operating Expense:				
Purchased Power	1,713,879	-	-	1,713,879
Expenses (Including Taxes)	269,191	142,731	164,022	575,944
PILOT	66,000	70,166	-	136,166
Depreciation	165,976	76,784	135,834	378,594
Total Operating Expense:	**$ 2,215,046**	**$ 289,681**	**$ 299,856**	**$ 2,804,583**
Operating Income	**$ 106,199**	**$ 48,512**	**$ 23,270**	**$ 177,982**
Non-Operating Income	221,601	10,287	28,247	260,135
Non-Operating Expense	(24,189)	(15,666)	(22,500)	(62,355)
Net Income	**$ 303,611**	**$ 43,133**	**$ 29,018**	**$ 375,762**

STOUGHTON UTILITIES
Detailed Monthly Income Statements
February 2018

ELECTRIC

	February 2018	January 2018	Change from Prior Month	February 2017
Operating Revenue:				
Sales	$ 1,158,677	$ 1,248,505	$ (89,828)	$ 1,103,971
Other	2,131	46,521	(44,390)	3,213
Total Operating Revenue:	**$ 1,160,808**	**$ 1,295,026**	**$ (134,218)**	**$ 1,107,184**
Operating Expense:				
Purchased Power	857,929	939,897	(81,969)	827,189
Expenses (Including Taxes)	154,727	166,181	(11,454)	146,705
PILOT	37,333	37,333	-	33,000
Depreciation	92,758	92,758	-	82,988
Total Operating Expense:	**$ 1,142,747**	**$ 1,236,169**	**$ (93,423)**	**$ 1,089,882**
Operating Income	**$ 18,061**	**$ 58,856**	**$ (40,795)**	**$ 17,302**
Non-Operating Income	28,893	206,781	(177,888)	20,686
Non-Operating Expense	(9,879)	(12,971)	3,092	(10,584)
Net Income	**$ 37,075**	**$ 252,666**	**$ (215,592)**	**$ 27,405**

WATER

	February 2018	January 2018	Change from Prior Month	February 2017
Operating Revenue:				
Sales	$ 159,175	$ 166,074	$ (6,899)	$ 161,741
Other	5,278	5,638	(360)	4,994
Total Operating Revenue:	**$ 164,453**	**$ 171,712**	**$ (7,259)**	**$ 166,734**
Operating Expense:				
Expenses (Including Taxes)	69,491	78,515	(9,024)	70,122
PILOT	36,500	36,500	-	35,083
Depreciation	41,100	41,100	-	38,392
Total Operating Expense:	**$ 147,091**	**$ 156,115**	**$ (9,024)**	**$ 143,597**
Operating Income	**$ 17,362**	**$ 15,597**	**$ 1,765**	**$ 23,137**
Non-Operating Income	1,299	14,356	(13,058)	968
Non-Operating Expense	(4,258)	(4,258)	-	(7,833)
Net Income	**$ 14,403**	**$ 25,695**	**$ (11,293)**	**$ 16,272**

WASTEWATER

	February 2018	January 2018	Change from Prior Month	February 2017
Operating Revenue:				
Sales	$ 154,273	$ 164,893	$ (10,619)	$ 153,636
Other	4,790	8,448	(3,658)	6,591
Total Operating Revenue:	**$ 159,064**	**$ 173,341**	**$ (14,277)**	**$ 160,226**
Operating Expense:				
Expenses (Including Taxes)	72,713	72,988	(275)	88,768
Depreciation	70,583	70,583	-	67,917
Total Operating Expense:	**$ 143,296**	**$ 143,571**	**$ (275)**	**$ 156,685**
Operating Income	**$ 15,768**	**$ 29,770**	**$ (14,002)**	**$ 3,542**
Non-Operating Income	1,502	29,197	(27,696)	774
Non-Operating Expense	(10,225)	(10,225)	-	(11,250)
Net Income	**$ 7,044**	**$ 48,742**	**$ (41,697)**	**$ (6,934)**

STOUGHTON UTILITIES

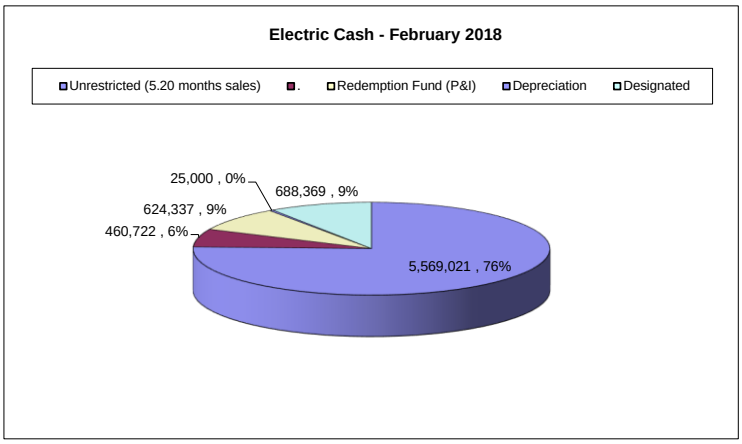
Rate of Return

Year-to-Date January 2018

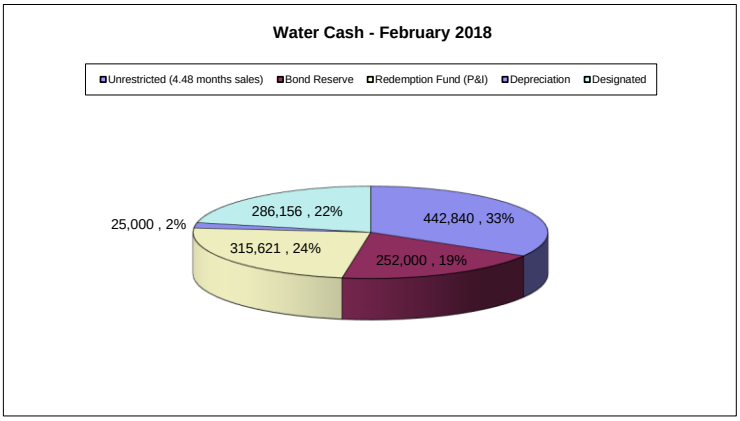
	Electric	Water
Operating Income (Regulatory)	$ 76,917	$ 32,959
Average Utility Plant in Service	25,734,268	15,428,295
Average Accumulated Depreciation	(13,413,185)	(5,044,339)
Average Materials and Supplies	151,894	40,640
Average Regulatory Liability	(121,884)	(188,258)
Average Customer Advances	(32,029)	-
Average Net Rate Base	$ 12,319,065	$ 10,236,339
February 2018 Rate of Return	**0.62%**	**0.32%**
February 2017 Rate of Return	**0.88%**	**0.50%**
December 2017 Rate of Return	**6.46%**	**3.22%**
Authorized Rate of Return	**5.10%**	**5.25%**

STOUGHTON UTILITIES
Cash and Investments Summary
As of February 28, 2018

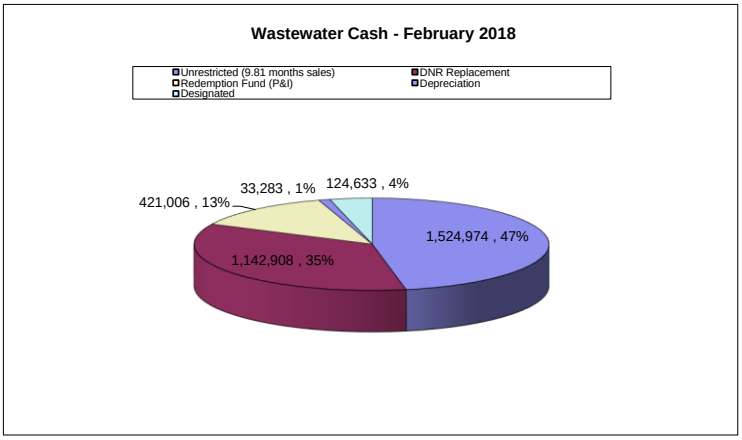
Electric	**February 2018**
Unrestricted (5.20 months sales)	5,569,021
.	460,722
Redemption Fund (P&I)	624,337
Depreciation	25,000
Designated	688,369
Total	**7,367,449**



Water	**February 2018**
Unrestricted (4.48 months sales)	442,840
Bond Reserve	252,000
Redemption Fund (P&I)	315,621
Depreciation	25,000
Designated	286,156
Total	**1,321,617**



Wastewater	**February 2018**
Unrestricted (9.81 months sales)	1,524,974
DNR Replacement	1,142,908
Redemption Fund (P&I)	421,006
Depreciation	33,283
Designated	124,633
Total	**3,246,804**



STOUGHTON UTILITIES
2018 Statistical Worksheet

Electic	Total Sales 2017 KwH	Total KwH Purchased 2017	Total Sales 2018 KwH	Total KwH Purchased 2018	Demand Peak 2017	Demand Peak 2018
January	12,379,222	12,812,545	12,609,523	13,204,183	23,662	24,195
February	10,691,419	10,759,773	11,122,197	11,394,593	21,934	22,984
March						
April						
May						
June						
July						
August						
September						
October						
November						
December						
TOTAL	**23,070,641**	**23,572,318**	**23,731,720**	**24,598,776**		

Water	Total Sales 2017 Gallons	Total Gallons Pumped 2017	Total Sales 2018 Gallons	Total Gallons Pumped 2018	Max Daily High 2017	Max Daily Highs 2018
January	37,110,000	43,748,000	35,560,000	44,660,000	1,629,000	1,668,000
February	34,905,000	41,145,000	33,203,000	41,438,000	1,780,000	1,711,000
March						
April						
May						
June						
July						
August						
September						
October						
November						
December						
TOTAL	**72,015,000**	**84,893,000**	**68,763,000**	**86,098,000**		

Wastewater	Total Sales 2017 Gallons	Total Treated Gallons 2017	Total Sales 2018 Gallons	Total Treated Gallons 2018	Precipitation 2017	Precipitation 2018
January	25,221,000	33,337,000	25,668,000	31,460,000	2.43	2.15
February	23,196,000	27,663,000	23,326,000	30,781,000	1.34	3.54
March						
April						
May						
June						
July						
August						
September						
October						
November						
December						
TOTAL	**48,417,000**	**61,000,000**	**48,994,000**	**62,241,000**	**3.77**	**5.69**

Stoughton Utilities Activities Report
March 2018

Administration

Robert P. Kardasz, P.E.
Utilities Director

During March, the Utilities Director participated in meetings of the Utilities Committee, Finance Committee, and Common Council, as well as a meeting of the City Leadership Team and internal meetings regarding current and future utility projects. Safety training was provided on first aid, CPR, and AED. He also attended a Municipal Electric Utilities of Wisconsin (MEUW) planning meeting, and a Cities and Villages Mutual Insurance Company (CVMIC) work plan meeting. The Stoughton Utilities final lien waiver for Kettle Park West Phase I was also executed.

Construction of the West Electric Substation continued on schedule, and contractors for the American Transmission Company continued installation of the transmission interconnection.

Electric crews concentrated on infrastructure line clearance, and customer-led projects. Water crews continued maintenance projects on the wells, storage facilities, and the distribution system. The wastewater crews concentrated on collection system maintenance and seasonal projects at the wastewater treatment facility.

Technical Operations Division

Brian R. Hoops
Assistant Utilities Director

Choose Renewable Program: Our residential Renewable Energy and our Green Power for Business programs have been consolidated and rebranded into one program -- *Choose Renewable*. New marketing materials have been created, including a video that can be found on YouTube and our website, and we will begin promoting the program in April.

For a limited time through May 31, all new *Choose Renewable* participants will be entered into a prize drawing for a new Nest Smart Thermostat. Enroll your home account today to be eligible to win.

Customer Payments: Staff processed 9,215 payments totaling $1.66 million, including 1,692 checks, 2,064 lockbox payments, 1,091 credit cards, 1,368 *My Account* online payments, 2,056 automated bank withdrawals, 760 direct bank payments, and $17,200 in cash.

Delinquent Collections: As of March 1, there were 1,690 active accounts carrying delinquent balances totaling nearly $285,800, and 88 final-billed accounts carrying delinquent balances totaling nearly $11,900. Of the total amount delinquent, $94,500 was 30 or more days past due.

- Throughout the month of March, we mailed out 10-day notices of pending disconnection to 158 delinquent commercial (electric or water services) and residential customers (water or wastewater services). All residential customers receiving notices were at least two months and $275 delinquent.
- An additional 436 past-due notices were mailed to residential customers that have only electric service.

- On March 26, we delivered automated phone calls to 12 commercial customers providing a 24-hour final notice of pending electric service disconnection. Automated phone calls were delivered to 70 residential customers providing a 24-hour final notice of pending water service disconnection.
- On March 27, one commercial electric service and three residential water services were disconnected due to continued nonpayment.

We ended the month of March with $85,200 remaining 30 or more days past-due. For comparison, 30+ day delinquencies are 17% lower than this time last year ($102,800).

Drinking Water Consumer Confidence Report: Stoughton Utilities issues an annual report describing the quality of the community's drinking water. We are proud to report that Stoughton's drinking water meets or surpasses all federal and local standards set for quality and safety under the Safe Drinking Water Act.

The 2017 Consumer Confidence Report (CCR) was finalized and distributed in March, with copies of the CCR posted in several public places, delivered to numerous community organizations, and published online. Notifications that the CCR is available to be viewed are delivered to consumers through the Stoughton Tower Times, temporary and permanent messages on the utility billing statements, temporary and permanent messages on the Stoughton Utilities website homepage, and email messages to those customers enrolled in paperless E-Billing.

Electric Reliability Recognition: Stoughton Utilities received national recognition from the American Public Power Association (APPA) for achieving exception electric system reliability in 2017. The average Stoughton resident experienced only one outage, and was without power for just 36 minutes throughout all of 2017. Nationwide, the average United States electric customer was without power for 129 minutes.

Energy Assistance: During the month of March, energy assistance (EA) payments for 32 customers totaling over $8,144 were received from the State of Wisconsin Public Benefits Program and applied to customer accounts to assist low-income customers with their home heating expenses.

The Public Benefits Program will continue to accept customer applications for energy assistance for the 2017-18 heating season through May.

We were notified by the Wisconsin Department of Administration that additional funding of $5 million for low-income heating/cooling energy assistance and $3.5 million for low-income public benefit crisis funding will be made available statewide through September. These supplemental benefits will be paid to SU customers who had previously received heating assistance over the winter, as well as additional crisis funding for customers who are at risk for disconnection.

We have so far been notified of $4,200 in proactive crisis funding being distributed to 12 customers.

Information Technology: Due to significant changes that have been made to the Payment Card Industry Data Security Standard (PCI DSS), system improvements have needed to be made to our public-facing servers. The revised standards regarding cryptographic protocols were announced in 2017, and merchants have until mid-2018 to bring their systems to compliance. The last of our systems were brought to compliance in March. We are made aware of the status of our compliance as part of our monthly vulnerability and penetration testing that is conducted through our PCI DSS compliance vendor.

Several programming updates were made to our credit card processing program, including both the front-end user interface, as well as the back-end website communications daemon. The new programming changes the cryptographic methods used while communicating with our online *My Account* website. The result is a more secure system protecting our customer's financial data.

Outage Management Taskforce: For the past year, Assistant Director Brian Hoops has been participating in a WPPI Energy Outage Management Taskforce. An outage management (OM) system is a software solution that interfaces with a utility's existing GIS, SCADA, metering, and CIS systems to provide a near-real time response to power outage events. This taskforce consists of technology and operations employees from other WPPI Energy member utilities, as well as members of WPPI's technology staff.

From a customer service perspective, the potential benefits are great. Notifications can be sent to customers when there is an outage, when that outage has been restored, display graphical information about outages online, and dispatch utility linemen quicker. The utility also benefits, as OM systems help reduce customer contacts during an outage, provide exact statistics of customers affected and duration for mandatory reporting, provide predictive analysis of system modifications, and more.

The taskforce has been meeting about every two months to determine what a joint-action approach should look like, develop a RFP that was distributed to numerous providers of OM systems, review the responses to our RFPs that were received, view vendor demonstrations of their systems, review system costs, and more.

As beneficial as OM systems can be, they come with significant costs and major hurdles to implement, which the taskforce has been attempting to overcome. Some systems viewed had system price tags in excess of $500,000, with additional implementation and integration costs to communicate with existing systems. For full functionality, OM systems also require a GIS system with a full network connectivity model, something that Stoughton has been working towards for the past two years, and that only four WPPI members currently have.

The taskforce continues to meet to overcome these challenges and determine if a joint-action approach to an OM system is best for WPPI's members. Although an OM system is in the near future for Stoughton Utilities, it is unlikely to arrive in 2018.

Pole Attachment Agreement: We have received a request from a telecommunications company to receive our pole attachment contract for their "review and revision." The last time this contract was reviewed was over 15 years ago, and no editable electronic copy could be found. Customer Service Technician Brandi Yungen used a scanned copy to recreate the 48-page contract and make some initial revisions, and we have submitted the contact to our attorney for their thorough review prior to releasing it to the prospective licensee.

Public Power Scholarship: We have published the criteria for our annual $1,000 Public Power Scholarship. This year, Stoughton High School students have the option of writing an essay or completing an energy audit of their home and documenting their findings. The application deadline is May 1.

Public Service Commission Interpretation of Customer Refunds: We were informed in March about a recent change in how the Wisconsin Public Service Commission (PSC) is interpreting their administrative rules set in Chapters PSC113 and PSC185 regarding refunding the customer for billing errors.

Previously, the PSC had limited any retroactive billing to a period of two years and retroactive credits to six years from the time the error is discovered, which would result in the utility losing up to four years of revenues. Their new interpretation is that retroactive billings are still limited to two years, however retroactive credits must be granted as far back as the utility's records allow, which is a minimum of six years, and in SU's case, up to 20 years. This new interpretation can result in the utility losing up to 18 years of revenues, with that number growing as every year passes.

To minimize any impacts this may have on SU, and to limit our years of exposure should errors be found, Billing Specialist Erin Goldade is beginning a full system review of all multi-unit commercial and residential buildings in our service territory to ensure the electric and water meters being billed are properly assigned to the corresponding unit. In the past, we have found instances where property owners, plumbers, or electricians made changes over the years without notifying us, that meter numbers were swapped during meter replacements, or that the submitted paperwork was completed incorrectly when the building was constructed. This review will include analysis of customer moves and periods of occupancy, as well as field verification of the meter number and connected unit.

We have previously conducted full system reviews of our billing rate classifications, tax-exempt status, private and public fire protection, proper customer charge, and presence of connected services. This is another step in our ongoing efforts to ensure complete billing accuracy.

Residential Customer Incentive Programs: We have begun marketing our two primary residential customer incentive programs 2018.

- ENERGY STAR® appliance incentives are being offered to customers who purchase new efficient appliances, up to two $25 incentives per account.
- We are again collaborating with Focus on Energy to enhance their existing Smart Thermostat incentive, adding an additional $25 on top of their $75 incentive, for a total incentive of $100 towards the purchase of a new smart thermostat. Combined, these incentives can lower the cost of a smart thermostat by up to 60%.

Both incentives are provided in the form of a bill credit, and are funded through SU's Commitment to Community program. Incentive details and forms can be found at stoughtonutilities.com/incentives.

SCADA Infrastructure and Software Upgrade Project: Progress continues at the substations for the infrastructure portion of the electric SCADA upgrade project. Fiber connections are being reviewed to resolve some connectivity issues, and data validation is ongoing. SCADA displays and one-line drawings have been completed for the user interface.

Training and Meetings: Brian participated in meetings of the Utilities Committee, the Stoughton City Council, and the WPPI Energy Board of Directors, as well as a strategic planning meeting discussing the future of the Municipal Electric Utilities of Wisconsin (MEUW). He also attended an onboarding orientation to the WPPI Energy Board of Directors, a meeting with a local developer regarding a potential new residential development, and hosted several internal meetings on planned SU projects in 2018 and 2019.

Brian also participated in a conference call of the WPPI Energy Outage Management Taskforce, three webinars hosted by the American Public Power Association (APPA) discussing electric utility management, a webinar hosted by WPPI Energy discussing state and federal legislative issues, and a webinar hosted by OSI welcoming SU to the OSI Product Support Team.

Collections Technician Carol Cushing received first aid and CPR training from our safety coordinator, and attended a training class on 'Dealing with Difficult People' to help learn additional skills to use while interacting with delinquent customers.

GIS Analyst Lou Rada attended the Annual Conference of the Wisconsin Land information Association. Numerous presentations related to GIS and geography were provided during this three day event. One presentation especially worth mentioning was "The Water Meter Lifecycle," presented by Lou as part of the Municipal GIS User's Group asset management track, which discussed Stoughton Utilities' methodology of recording the lifecycle of a water meter, including asset management for all meter components, as well as the history logs for the location, maintenance, and testing of the meter assembly.

Uncollectable debt write-offs: The city council approved our annual bad debt account write-offs in March. Fifteen utility accounts combining for a total of $4,700 were written off as uncollectable due to either death, bankruptcy, or the lack of any success through our collection efforts utilizing the Wisconsin Department of Revenue collection programs. These accounts were closed between 2015 and 2017 and the customers have left our service territory. The elimination of these balances is reflected in the delinquency totals provided above.

Website Updates: Custom website, database, and application programming continued on our new online customer application. This form will communicate with our Customer Information System (CIS) in real-time to present the applicant with information about their new address for their verification, authenticate the applicant if they are a current customer, load and transfer customer information from their past accounts, check the applicant's entered information for accuracy against the CIS database, and securely store their application details, including social security number and/or driver's license information, in the CIS database. By integrating the application directly with the CIS database, customer service employees will be able to process the customer applications with less effort and more accuracy than a manual application entry.

As part of the prerequisite work, the customer data encryption methods that we previously used for transferring customer data between SU's public website, SU's *MyAccount* website, and SU's internal

database server were modified. All customer details continue to be encrypted before being submitted over a separately encrypted channel, but now all processing is completed on the server-side, with encrypted customer details never being transferred from the server to the customer's browser or email client.

Once the new encryption methods were complete, the methods for our existing customer login authentication, new customer enrollment, password reset steps, and credit card AutoPay enrollment/modification needed to be rewritten to work with the revised encryption methods. While that work was underway, additional security logging was also added for use if a customer's account is ever compromised. The result of this work will not be noticeable by customers, but provides a more reliable and more secure system to protect our customer's account and payment details.

Electric, Metering, Planning, and Water Divisions

Sean O Grady
Utilities Operations Superintendent

American Transmission Company (ATC): ATC's contractor began the installation of the new transmission power poles for the new transmission line that will be the source of 69Kv power to our new west substation. Once the poles are in place, the transmission cable will be strung and energized. Switching arrangements have been coordinated with ATC to energize, and one-line diagrams have been reviewed and updated to reflect actual installation.

SU worked with a crew from an electric contractor to remove a span of our overhead primary wires and replace them with temporary underground cable. This temporary line will accommodate the safe installation of the transmission line into the west substation.

We also completed a livestock survey in our distribution service territory at ATC's request as part of their planning process for upgrading the 69 kV transmission line that runs between Stoughton and Edgerton. The existing infrastructure is approximately 70 years old, and is tentatively scheduled for reconstruction in the summer of 2020, with a small segment between Alliant Energy's substation on E. South Street to about the edge of the city to be reconstructed sooner..

Bayview Trailer Park Light Repair: Staff assisted with the repair of a privately owned streetlight located within the park. Alliant Energy was installing new gas services in the area and damaged the underground electric cable feeding the light. Our costs will be billed to the park, who will likely seek reimbursement from the contractor performing the gas work. This serves as a reminder of the importance of Digger's Hotline and the free service it provides.

Business Park North Light Repair: A new streetlight pole and lights were installed in the median of the entrance to Business Park North off Williams Dr. The original pole and lights were knocked down when struck by a car over the winter.

Corn Dryer Fire: A new three-phase service was installed to a rural corn dryer that caught fire last month due to an electrical short on the customer side of the electric service.

Drinking Water System Monitoring Site Plan: After several years of coordination and staffing issues at the Wisconsin Department of Natural Resources (DNR), our monitoring site plan was finally updated to reflect where we actually take our water quality samples throughout our water distribution system.

Electric Services Installations: During the month of March, we installed six service installations for new construction, one overhead service upgrade, and one service repair. With all the frost now out of the ground, our underground contractor has begun trenching in services, including all the new services that were installed throughout the winter. All existing services should be trenched in by mid-April.

KPW Lot No. 7, Building No. 2: The new transformer and underground electric service were installed to serve the new 8-unit building fronting USH 51.

New Public Works Building: Crews disconnected the electric services and removed the overhead lines and poles to accommodate the safe razing of the existing homes and out buildings located on the building site.

Nordic Ridge Project: We are currently working with the developer to coordinate proper grading operations near our overhead distribution line along CTH A. The site plan will require our existing poles to be raised or lowered to accommodate the new grades, with all work to be performed at the developer's expense.

Pick 'n Save Fueling Station: Construction is scheduled to begin soon. Electric service to the fuel center will be supplied from the existing store, and new wastewater and water service laterals will be installed and connected to the existing mains running along the road.

Stone Crest Subdivision Water Quality: Historically since construction, we have heard water quality concerns from several customers residing in the subdivision. We aggressively attempt to proactively address these concerns by flushing the dead-end mains regularly to improve water quality. Unfortunately, the water mains were designed larger than normal to serve planned future growth that has not occurred, resulting in the stagnation of the water in the pipes due to low use.

U.S. Highway 51 Roundabout Update: The Wisconsin Department of Transportation has pushed out the date for construction to 2022, and is tentatively planning to add a third roundabout at the intersection of USH 51 and Roby Road. To accommodate this construction, we must relocate or adjust our existing overhead and underground facilities located in the public right of way in 2021, including poles and electric cables, water hydrants and valves, and sewer manholes.

Water Meter Testing and Cross Connection Inspections: We had a lighter than normal schedule this year. Customer notification began in February, and we had a strong response from customers scheduling their appointments, which allowed us to complete them efficiently. Water staff should have the majority of inspections completed in April, with follow-up inspections of discovered violations to continue throughout spring.

Well House Maintenance: The chemical feed pumps were rebuilt and reconditioned by staff. We typically perform this work twice annually.

Well No. 7: Staff completed painting the piping and labeling of all the electrical controls, water valves and entry points inside the well and chemical room. Operation service manuals were reviewed and updated as necessary. This has been a winter project spanning over the past three years, and the sites look and operate better than ever. During our Wisconsin Department of Natural Resources inspection last year, the inspector was impressed with what we have done at our well houses, and took pictures of our work to use as a model for other communities to reference.

West Substation Construction: Our construction contractor has completed the low voltage structure and equipment installations. Our staff has installed the wildlife protection devices and materials that protect critical substation components from squirrels, birds, and other wildlife that can cause equipment damage and outages.

Our contractor installing the underground feeders that connect the substation to the existing distribution system has begun boring operations around the substation to install the underground exit feeder conduits.

Grading and site restoration work will be completed in April. We remain on schedule to energize the substation in May.

Wastewater Division

Brian G. Erickson
Stoughton Utilities Wastewater System Supervisor

The wastewater treatment facility processed an average daily flow of 0.992 million gallons with a monthly total of 29.550 million gallons. The total precipitation for the month of March was 0.72 inches, with 4.3 inches of snow.

Eastwood Lift Station: We have experienced another pump failure at this lift station, which has been a persistent problem lately. The current pumps are outdated and parts are no longer available, which requires significant effort when issues occur. We are working with our pump contractor to get this issue resolved for our immediate needs, and are evaluating plans with our engineering consultants to replace this lift station to meet the long-term system requirements.

This station has been included in our Capital Improvement Plan (CIP) for replacement in 2019. As we evaluate system options, we are exploring the possibility of eliminating the Vennevoll lift station in the future, which will be accomplished by rerouting the gravity flow to the Eastwood station.

Plant maintenance: Staff has been working on maintenance and repairs of miscellaneous equipment throughout the plant. Projects have included work on our dissolved air flotation tank (DAFT) water pump and skimmer chains, polymer issues for the gravity belt thickener (GBT), and painting of pipes and equipment throughout the plant.

Plant treatment: Wastewater treatment operations and effluent continue to be well below our permit requirements.

Sanitary Sewer System Maintenance: Staff has been televising the sanitary sewer collection system throughout the winter months, which will continue into spring. Cleaning and repairs has been completed regularly as needed.

Sewer Cleaning Machine: The city council approved our request to purchase the new unit from our preferred vendor, and we have placed our order. The factory has provided us with an anticipated delivery date in November.

Sludge Waste Delivery Fields: Over the years, the Wastewater System Supervisor has received numerous contacts from the Wisconsin Department of Natural Resources on behalf of other municipalities requesting to obtain sole access to the fields we have entered into agreements with for delivery of our sludge waste. All requests received to date have been denied, however this denial can be overridden if the municipality receives permission from the landowner. Last year we lost several of our sludge fields to the Madison Metropolitan Sewerage District (MMSD).

Despite these losses, we currently have a few thousand acres of land that we have permission to haul to, and we utilize approximately 100 acres per hauling event. Sludge hauling and field injection occurs twice annually, once in the spring before crops are planted, and again in the fall after the crops have been harvested.

Storm Sewer Televising: Staff received a request from the Department of Public Works to televise several areas of storm sewer to confirm the location and condition of the infrastructure.

Training and Meetings: The Utilities Director and I attended the annual Government Affairs Seminar in Madison hosted by the Wisconsin Wastewater Operator's Association (WWOA). Wastewater Operator Mark Bakken has begun training in the lab with Advanced Certified Wastewater Operator / Laboratory Technician Phil Linnerud. All wastewater division staff attended miscellaneous training sessions conducted by SU's safety coordinator.

Finance

Jamin Friedl, CPA
Stoughton Utilities Finance Manager

Accomplishments:

- Completed and submitted the 2017 Electric and Water annual reports to the Wisconsin Public Service Commission.
- Finalized the 2017 audit report, Management's Discussion and Analysis and management letter, receiving an unqualified opinion and no control deficiencies
- Continued to review and compare the client analysis statements from our two banking service providers to confirm if any savings can be recognized by consolidating our banking services under one provider.
- Began work on the Utilities' six-year cash flow projections.
- Processed A/P, A/R, CCER, payroll and treasury management approvals; tracked investment sales/purchases and income; and completed the monthly account reconciliation, work order closings, reporting and billing statistics for February 2018.

In Progress:

- Awaiting details from the Department of Human Resources and Risk Management (HR) to finalize the scope for a payroll consolidation study requested by the Personnel Committee.
- Complete monthly account reconciliation and reporting for March 2018.
- Continued analysis of the consolidation proposal received from our banking service providers.

During the month of February, I participated in meetings of the Utilities Committee and Personnel Committee, attended the Leadership Stoughton session discussing an academic perspective on leadership, and worked with his Leadership Stoughton group to complete their community project of assembling new park benches for the Friends of Lake Kegonsa Society.

Energy Services Section of the Planning Division

Cory Neeley
Stoughton Utilities and WPPI Energy Services Representative (ESR)

A meeting was held with a large healthcare facility to review the results from their recent study on Direct Digital Control (DDC) for HVAC, and to discuss potential projects that arose from that study.

A walkthrough of a large corporate campus was conducted with company staff following a meeting of their corporate energy team meeting. This facility recently received ISO 50001 certification which is the energy management standard set by the US Department of Energy. A few potential projects were found during the certification audit, and Stoughton Utilities will be in touch with them to see if they would like to complete a study to further reduce their energy consumption.

I attended the Stoughton Chamber of Commerce Lunch and Learn. At this meeting, I discussed our New Construction Design Assistance program and our participation in the upcoming Sustainable Stoughton Earth Day event. Mayor Donna Olson touted our coordination with the Stoughton Parks and Recreation Department to fund and install the solar array on the new park shelter located in Nordic Ridge.

I attended the quarterly meeting of the Stoughton School District's Energy Team. We discussed the district's participation in Focus on Energy's DEET program and participation in the Green and Healthy Schools program.

Stoughton Utilities offered sponsored training on sub-metering to employees of our large industrial customers. One industry participated, sending three employees. Expenses to provide this training are paid using LEEF Funds from WPPI Energy.

Safety Services Section of the Planning Division

Andrew Paulson
Stoughton Utilities and Municipal Electric Utilities of Wisconsin Regional Safety Coordinator

ACCOMPLISHMENTS

1. **Training**
    a. First Aid / CPR / AED (two classes)
    b. Workzone Safety
2. **Audits/Inspections**
    a. Field crew inspection: Electric tree trimming
    b. Utility walkthrough – General inspection
    c. WWTP walkthrough – General inspection
    d. Well inspections
3. **Compliance/Risk Management**
    a. Emergency response written program – Annual review
    b. SDS management – MSDS Online data input
    c. Inputted training data
    d. First aid kits – Review and refresh
    e. Workzone supplies

GOALS AND OBJECTIVES

1. **Training**
    a. SPCC Plan
    b. Fall protection
2. **Audits/Inspections**
    a. Field inspections
    b. Utility walkthrough
    c. WWTP walkthrough
    d. Wells
    e. Water towers
    f. Eye wash stations/showers
    g. Fire cabinets
3. **Compliance/Risk Management**
    a. Sling inspections
    b. Fork truck written program

c. MSDS Online data entry

Regional Safety Coordinator was at Stoughton Utilities on March 1st, 8th, 13th, and 22nd.

Please visit us on our website at www.stoughtonutilities.com to view current events, follow project schedules, view Utilities Committee meeting notices, packets and minutes, review our energy conservation programs, or to learn more about your Stoughton Utilities electric, water, and wastewater services. You can also view your current and past billing statements, update your payment and billing preferences, enroll in optional account programs, and make an online payment using *My Account* online.

Stoughton Utilities
600 South Fourth Street
P.O. Box 383
Stoughton, WI 53589-0383
Serving Electric, Water & Wastewater Since 1886

Date: April 10, 2018

To: Stoughton Utilities Committee

From: Robert P. Kardasz, P.E.
Stoughton Utilities Director

Subject: Stoughton Utilities Committee Annual Calendar

The following calendar is provided for information and discussion. Common organization acronyms used are:

APPA	American Public Power Association
AWWA	American Waterworks Association
MEUW	Municipal Electric Utilities of Wisconsin
WIAWWA	Wisconsin chapter of the American Waterworks Association
WPPI	WPPI Energy
WRWA	Wisconsin Rural Water Association
WWOA	Wisconsin Wastewater Operators Association

April 16, 2018	Utilities Committee Regular Meeting: Present PSC Annual Reports
April 18, 2018	National Lineman Appreciation Day
April 29 – May 2, 2018	APPA Engineering and Operations Conference – Raleigh, NC
May 3, 2018	WPPI Regional Power Dinner Meeting – Fitchburg
May 6-12, 2018	National Drinking Water Week
May 14, 2018	Utilities Committee Regular Meeting: Annual reorganization and selection of meeting time and date; approval of the SU tax-stabilization dividends; discuss SU goals
May 16-19, 2018	MEUW Annual Conference – La Crosse
May 22, 2018	Common Council Meeting: Presentation of SU tax-stabilization dividends.
June 7, 2018	Orientation to WPPI – Sun Prairie
June 11-14, 2018	AWWA Annual Conference – Las Vegas, NV

June 15-20, 2018	APPA National Conference – New Orleans, LA
June 18, 2018	Utilities Committee Regular Meeting: Approve the annual Wastewater Compliance Maintenance Annual Report (CMAR); tour of well no. 5
June 26, 2018	Common Council Meeting: Approve the CMAR
July 16, 2018	Utilities Committee Regular Meeting: RoundUp Donation; tour of the Utilities Administration Building
August 20, 2018	Utilities Committee Regular Meeting: Approve Declaration(s) of Official Intent; tour the Wastewater Treatment Facility
August 2018, date TBD	WRWA Outdoor Exposition – Plover
September 11-14, 2018	WIAWWA Annual Conference – Madison
September 13-14, 2018	WPPI Annual Meeting – Madison
September 16-19, 2018	APPA Business & Financial Conference – Anaheim, CA
September 17, 2018	Utilities Committee Regular Meeting: Approve the Utilities 2019 Budget and five year (2019-2023) Capital Projects Program
October 2018, date(s) TBD	Common Council Budget Workshop(s)
October 2018, dates TBD	WWOA Annual Conference – Middleton
October 3-5, 2018	APPA Leadership Workshop – Orlando, FL
October 7-10, 2018	APPA Legal & Regulatory Conference – Charleston, SC
October 7-13, 2018	National Public Power Week
October 15, 2018	Utilities Committee Regular Meeting
October 25, 2018	WPPI Chief Executives Breakfast
October 30, 2018	Orientation to WPPI – Sun Prairie
November 4-7, 2018	APPA Customer Connections Conference – Orlando, FL
November 8, 2018	WPPI Building Customer Connections Workshop – Sun Prairie
November 13, 2018	Common Council action on the Stoughton Utilities 2019 Budget and CIP
November 19, 2018	Utilities Committee Regular Meeting
December 17, 2018	Utilities Committee Regular Meeting
January 14, 2018	Utilities Committee Regular Meeting: RoundUp Donation; Declarations of Official Intent
February 18, 2018	Utilities Committee Regular Meeting: Bad debt write offs
February 26, 2018	Common Council Meeting: Approve bad debt write offs

February 25-27, 2019	APPA Legislative Rally – Washington, D.C.
March 10-16, 2019	National Groundwater Awareness Week
March 18, 2019	Utilities Committee Regular Meeting: Annual Drinking Water Consumer Confidence Report (CCR)
March 17-23, 2019	National Fix a Leak Week
March 31-April 3, 2019	APPA Engineering and Operations Conference – Colorado Springs, CO
April 15, 2019	Utilities Committee Regular Meeting: Presentation of the Utilities 2018 annual audit and management letter, and the SU tax-stabilization dividends
April 18, 2019	National Lineman Appreciation Day
April 23, 2019	Common Council Meeting: Approve Utilities 2018 annual audit and management letter; presentation of the tax-stabilization dividends
May 5-11, 2019	National Drinking Water Week
May 20, 2019	Utilities Committee Regular Meeting: Annual reorganization and selection of meeting time and date; discuss SU goals
June 2019, Date TBD	MEUW Annual Conference – Location TBD
June 7-12, 2019	APPA National Conference – Austin, TX
June 9-12, 2019	AWWA Annual Conference – Denver, CO
June 17, 2019	Utilities Committee Regular Meeting: Approve the annual Wastewater Compliance Maintenance Annual Report (CMAR); tour of well no. 5
June 25, 2019	Common Council Meeting: Approve the CMAR
July 15, 2019	Utilities Committee Regular Meeting: RoundUp Donation; tour of the Utilities Administration Building
August 19, 2019	Utilities Committee Regular Meeting: Approve Declaration(s) of Official Intent; tour the Wastewater Treatment Facility
September 13-14, 2019	WPPI Annual Meeting – Elkhart Lake
September 16, 2019	Utilities Committee Regular Meeting: Approve the Utilities 2019 Budget and five year (2019-2023) Capital Projects Program
October 14, 2019	Utilities Committee Regular Meeting
October 27-30, 2019	APPA Customer Connections Conference – New Orleans, LA
November 18, 2019	Utilities Committee Regular Meeting
December 16, 2019	Utilities Committee Regular Meeting

Stoughton Utilities
600 South Fourth Street
P.O. Box 383
Stoughton, WI 53589-0383

Serving Electric, Water & Wastewater Since 1886

Date: April 10, 2018

To: Stoughton Utilities Committee

From: Robert P. Kardasz, P.E.
Stoughton Utilities Director

Subject: Stoughton Utilities Communications

February 27, 2018	Notification from the Wisconsin Department of Natural Resources of our annual environmental fees to be assessed for wastewater pollution controls
March 2018	"A Community on the Move" – a special supplement to the Madison InBusiness magazine, including promotion of Stoughton Utilities and the benefits of Public Power.
March 1, 2018	Certificate of Excellence in Reliability received from American Public Power Association (APPA) for significantly outperforming the electric industry national average for electric system reliability.
March 22, 2018	Stoughton Utilities news release regarding the utility receiving national recognition from APPA for achieving exception electric reliability in 2017.
March 25, 2018	Thank you letter from the Rock River Coalition for a donation.
March 29, 2018	Stoughton Utilities news release regarding the upcoming end of the cold weather electric disconnection moratorium, ending on April 15.
March 29, 2018	Stoughton Utilities news release regarding National Lineman Appreciation Day, to be held on April 18.
April 1, 2018	Stoughton Utilities billing insert regarding our Choose Renewable program, including our promotional prize entry for new enrollments.
April 1, 2018	Spring 2018 edition of the WPPI Energy Power Report newsletter, discussing utility-business relationships, WPPI Energy and member news, policy updates, a member spotlight on Sun Prairie, and more.
April 1, 2018	April issue of Live Lines, a monthly newsletter published by Municipal Electric Utilities of Wisconsin (MEUW).

April 1, 2018	March/April 2018 issue of the American Public Power Association (APPA) "Public Power Magazine," focusing on small towns and utilities.
April 5, 2018	WPPI Energy memorandum "Things You Should Know" from WPPI Energy President and CEO Michael Peters

State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Scott Walker, Governor
Daniel L Meyer, Secretary

101 S.Webster St.
Box 7921
Madison, Wisconsin 53707-7921
Telephone 608-266-2621
Toll Free 1-888-936-7463
TTY Access via relay-711

February 27, 2018

Robert P Kardasz , Utilities Director
Stoughton Wastewater Treatment Facility
600 South Fourth Street PO Box 383
Stoughton, WI 53589

RE : Notification of Environmental Fee to be Assessed for WPDES WI - 0020338

Dear Permittee,

Enclosed is a wastewater summary report for you to review and correct, if necessary. Section 299.15 of the Wisconsin Statutes and chapter NR101 of the Wisconsin Administrative Code require this report to collect accurate data for assessing wastewater fees based on your wastewater discharges in 2017 . Section 299.15 establishes the wastewater fee program to recover the annual cost of the Department's water pollution control functions from holders of WPDES permits.

This summary report contains an estimate of the wastewater fees based on your WPDES Discharge Monitoring Reports (DMR) data. The average flow and concentration values used in the calculations are calculated by the DNR database based on the individual sample results reported. The results may not mirror the summary values reported on the DMRs due to the manner in which our database addresses significant figures to the right of the decimal point. THIS IS NOT A BILLING STATEMENT! The Environmental Fee statements will be mailed out at the end of May.

Provisions of S. 299.15, Statutes provide for calculating fees by using a five year rolling average and freezing the annual adjustment factor at the 1999 level. The rolling average is prospective in nature and began with the calculation of the 2000 fees. This change makes the wastewater fees program a performance based system. Fees should be reduced when treatment is improved. The summary report shows our calculations for each billable substance by sample point. The following formulas and definitions are used:

Pounds = Monthly Average Concentration (mg/l) X Monthly Average Flow (MGD) X 8.34

Amount Due = Pounds X Rate per Pound X Days X Adjustment Factor

5-year rolling average - The average of data from the current year, plus the previous 4 years of data available since the beginning of calendar year 2000. Where 5 years of data is not available, the 5-year rolling average means the average of data from the current year plus any available data from the previous 4 years.

Rate - The inverse of the lowest limit in effect for the month (i.e., 1 / limit).

The number of days in each month is used for this estimate. If your facility doesn't discharge every day, you should correct the number to the actual number of operating days . The adjustment factor for municipalities is 2.4510 and 5.0492 for industries. Phosphorus fees are calculated using a set rate of $0.34 per pound.

The wastewater fee is the greater of the sum of discharge fees calculated as above, or a base fee of $250 for minor permits, or $500 for major permits.

WHAT DO YOU NEED TO DO?

You should confirm that our calculated monthly numbers from your DMR's are accurate. Any changes or corrections should be made by writing the new number directly above the old number. Please verify that we have used the right number of discharge days and confirm that the pollutants listed in the summary have a limit in effect during each month listed.

If you report monthly maximum values on your DMR's and not monthly averages, you should calculate the monthly average discharges and enter those numbers on the report. If we have not included a month when discharges occurred and limits were in effect, you must add in the pounds, rate, and number of days.

You should be aware that S. NR 101, Wis. Adm. Code allows any individual analytical value which is less than the level of quantification (LOQ) for that substance to be treated as a zero. The test method used must be according to current standards. These zeros should be incorporated into the monthly average. You may need to recalculate the monthly averages to include any zero values. If the calculated average is below the LOQ, you will be billed. The Department expects a reporting limit of 2 mg/L for LOD and LOQ for BOD5 and TSS.

Dischargers are allowed to deduct the amount of substances present in the influent to the facility. The influent for municipal facilities is the drinking water source serving the municipality. Dischargers who use surface water as an influent source may benefit from this deduction, which is discussed in S. NR101.12 (7), Wis. Adm. Code.

The Administrative Code allows the Department to bill the permitted facilities that discharge to land disposal systems for the excess nitrogen applied to land. We continue to have difficulty loading land application data from the previous year in a timely manner and so will not be including this information in the wastewater fee program. The Department will evaluate the timing of the receipt of this reported data and identify the available options. The amount of revenue collected from this source would be minor since the codes require the permitted facility to match the nitrogen applied to the needs of the crop.

After you have completed noting any changes, please sign the report and provide us with a phone number and email address so we can contact you in the event of any questions. Indicate the reason for any changes using the check options at the end of the report. Make a copy for your files, then send the original summary pages back to us in the envelope provided, or to DNR, Keri Behm - WT/3, PO Box 7921, Madison WI 53707-7921. **YOU MUST RETURN THE SUMMARY BY APRIL 1, 2018, EVEN IF NO CHANGES ARE MADE.**

The Environmental Fee statements, containing the wastewater fees and any other applicable fees, will be mailed out at the end of May 2018. You will then have thirty days to pay the entire fee.

If you would like to discuss the summary, please call Keri Behm at (608) 266-3291 (keri.behm@wisconsin.gov) or me at (608) 266-2666 (adrian.stocks@wisconsin.gov).

Sincerely,

Adrian G. Stocks

Adrian G. Stocks
Field Operations Director

WISCONSIN DEPARTMENT OF NATURAL RESOURCES
2017 NR 101 WASTEWATER REPORT

Permit # : 0020338 **FORM 3200 - 18**

Stoughton Wastewater Treatment Facility **REV.01/03**

THIS REPORT OF YOUR 2017 WPDES DISCHARGE MONITORING REPORT DATA IS PROVIDED UNDER SECTION 299.15, WIS. STATS AND CHAPTER NR 101 WIS. ADMIN. CODE. THIS REPORT PROVIDES AN OPPORTUNITY TO REVIEW AND CORRECT THE RECORDED RESULTS FOR YOUR FACILITY, IF NECESSARY. TO CORRECT A VALUE, WRITE THE NEW VALUE ABOVE THE OLD AND CHECK THE REASON FOR THE CORRECTION AT THE END OF THE REPORT. YOU MUST RETURN THE REPORT BY APRIL 1, 2018 , EVEN IF YOU MADE NO CHANGES, OR ELSE BE IN VIOLATION OF 299.15(4), WHERE THE AUTHORITY TO ASSESS A MONETARY PENALTY OF UP TO $10,000 IS PROVIDED.RETURN USING THE ENVELOPE PROVIDED OR SEND TO DNR, KERI BEHM - WT/3, P.O BOX 7921, MADISON WI - 53707-7921. PERSONALLY IDENTIFIABLE INFORMATION WILL BE USED FOR THE PURPOSE OF THE NR 101 WASTEWATER FEE PROGRAM.

TOTALS FOR THE CURRENT YEAR WILL BE USED IN THE CALCULATION OF FEES DUE BASED ON THE FIVE YEAR PROSPECTIVE ROLLING AVERAGE METHOD. THE ADJUSTMENT FACTOR USED IN THIS ESTIMATE IS 2.451 .
CONTACT KERI BEHM AT(608) 266-3291 OR ADRIAN STOCKS AT (608) 266-2666 IF YOU HAVE QUESTIONS.

Sample Point : 001 **280** **Mercury, Total Recoverable**

	Avg Flow(MGD)	Avg Conc.(mg/L)	Pounds	Rate($)	Days	Adj. Factor	Amount Due
JAN,2017	0.9787	0.0000018	0.0000147	2500	90	2.451	$8.11
APR,2017	1.1176	0.0000011	0.0000103	2500	91	2.451	$5.74
JUL,2017	1.1808	0.0000009	0.0000089	2500	92	2.451	$5.02
OCT,2017	0.962	0.0000012	0.0000096	2500	92	2.451	$5.41

Total Annual Pounds of Mercury, Total Recoverable 0

Parameter Total: $24.28

Sample Point : 001 **388** **Phosphorus, Total**

	Avg Flow(MGD)	Avg Conc.(mg/L)	Pounds	Rate($)	Days	Adj. Factor	Amount Due
JAN,2017	0.985	0.545	4.5786	0.34	31	2.451	$118.28
FEB,2017	0.988	0.4475	3.675	0.34	28	2.451	$85.75
MAR,2017	0.9639	0.4923	4.1	0.34	31	2.451	$105.92
APR,2017	1.0943	0.5258	4.8	0.34	30	2.451	$120.00
MAY,2017	1.1029	0.4753	4.48	0.34	31	2.451	$115.73
JUN,2017	1.1563	0.4617	4.0583	0.34	30	2.451	$101.46
JUL,2017	1.3076	0.2454	2.6538	0.34	31	2.451	$68.56
AUG,2017	1.1825	0.455	4.4857	0.34	31	2.451	$115.88
SEP,2017	1.0481	0.5042	4.3917	0.34	30	2.451	$109.79
OCT,2017	1.0285	0.4079	3.5286	0.34	31	2.451	$91.16
NOV,2017	0.936	0.42	3.2692	0.34	30	2.451	$81.73
DEC,2017	0.9205	0.6	4.575	0.34	31	2.451	$118.19

Total Annual Pounds of Phosphorus, Total 1479

Parameter Total: $1,232.45

Sample Point : 001 **457** **Suspended Solids, Total**

	Avg Flow(MGD)	Avg Conc.(mg/L)	Pounds	Rate($)	Days	Adj. Factor	Amount Due
JAN,2017	0.985	12.6	107.1	0.033	31	2.451	$268.54
FEB,2017	0.988	7.7	62.8	0.033	28	2.451	$142.22
MAR,2017	0.9639	8.9	70.1	0.033	31	2.451	$175.77
APR,2017	1.0943	11.6	107.5	0.033	30	2.451	$260.85
MAY,2017	1.1029	7.9	73.7	0.033	31	2.451	$184.79
JUN,2017	1.1563	7.8	68.8	0.033	30	2.451	$166.94
JUL,2017	1.3076	5.8	61.8	0.033	31	2.451	$154.96
AUG,2017	1.1825	6.3	61.9	0.033	31	2.451	$155.21
SEP,2017	1.0481	8	69.4	0.033	30	2.451	$168.40
OCT,2017	1.0285	7.4	63.5	0.033	31	2.451	$159.22

Sample Point : 001 **457** **Suspended Solids, Total**

	Avg Flow(MGD)	Avg Conc.(mg/L)	Pounds	Rate($)	Days	Adj. Factor	Amount Due
NOV,2017	0.936	7.1	55.3	0.033	30	2.451	$134.18
DEC,2017	0.9205	6.2	46.8	0.033	31	2.451	$117.35

Total Annual Pounds of Suspended Solids, Total 25820

Parameter Total: $2,088.43

Sample Point : 001 **649** **CBOD5**

	Avg Flow(MGD)	Avg Conc.(mg/L)	Pounds	Rate($)	Days	Adj. Factor	Amount Due
JAN,2017	0.985	3.1	25.3	0.04	31	2.451	$76.89
FEB,2017	0.988	2.8	22.7	0.04	28	2.451	$62.31
MAR,2017	0.9639	3.2	25.8	0.04	31	2.451	$78.41
APR,2017	1.0943	4.9	44.9	0.04	30	2.451	$132.06
MAY,2017	1.1029	2.9	27.5	0.04	31	2.451	$83.58
JUN,2017	1.1563	3	27.9	0.04	30	2.451	$82.06
JUL,2017	1.3076	2.7	30.4	0.04	31	2.451	$92.39
AUG,2017	1.1825	2.4	23.8	0.04	31	2.451	$72.33
SEP,2017	1.0481	3	26.7	0.04	30	2.451	$78.53
OCT,2017	1.0285	2.6	22.3	0.04	31	2.451	$67.78
NOV,2017	0.936	2.4	18.4	0.04	30	2.451	$54.12
DEC,2017	0.9205	2.3	17.3	0.04	31	2.451	$52.58

Total Annual Pounds of CBOD5 9517

Parameter Total: $933.04

Sample Point : 001 **789** **Nitrogen, Ammonia (NH3-N) Total**

	Avg Flow(MGD)	Avg Conc.(mg/L)	Pounds	Rate($)	Days	Adj. Factor	Amount Due
JAN,2017	0.985	9.815	80.6292	0.02	31	2.451	$122.53
FEB,2017	0.988	12.4033	102.2022	0.02	28	2.451	$140.28
MAR,2017	0.9639	11.3331	91.106	0.02	31	2.451	$138.45
APR,2017	1.0943	10.135	92.4967	0.02	30	2.451	$136.03
MAY,2017	1.1029	5.2033	47.8609	0.02	31	2.451	$72.73
JUN,2017	1.1563	3.6167	34.8778	0.02	30	2.451	$51.29
JUL,2017	1.3076	0.6069	6.6185	0.02	31	2.451	$10.06
AUG,2017	1.1825	0.5343	5.2693	0.02	31	2.451	$8.01
SEP,2017	1.0481	2.07	18.0942	0.02	30	2.451	$26.61
OCT,2017	1.0285	2.4779	21.2547	0.02	31	2.451	$32.30
NOV,2017	0.936	1.6708	13.0427	0.02	30	2.451	$19.18
DEC,2017	0.9205	1.2792	9.8204	0.02	31	2.451	$14.92

Total Annual Pounds of Nitrogen, Ammonia (NH3-N) Total 15756

Parameter Total: $772.39

Facility Subtotal: $5,050.59

Reasons for changing summary data (Check any that apply)

___ The limit was not in effect for any part of the year (Strike out the data for that substance)

___ The number of days shown is not the actual number of discharge days.

___ An influent deduction reduced the pounds. (Provide supporting documentation)

___ Other, please explain

Values based on actual discharge					
Parameter Description	2013	2014	2015	2016	2017
CBOD5	1282.9	978.76	894.37	1120.08	933.04

Values based on actual discharge					
Parameter Description	2013	2014	2015	2016	2017
Mercury, Total Recoverable	*****	7.99	30.7	28.35	24.28
Nitrogen, Ammonia (NH3-N) Total	*****	0	312.73	1558.87	772.39
Phosphorus, Total	1471.23	1086.16	972.8	1431.67	1232.45
Suspended Solids, Total	1673.71	1346.57	1571.85	2209.36	2088.43
Total	**$4,427.84**	**$3,419.48**	**$3,782.45**	**$6,348.33**	**$5,050.59**

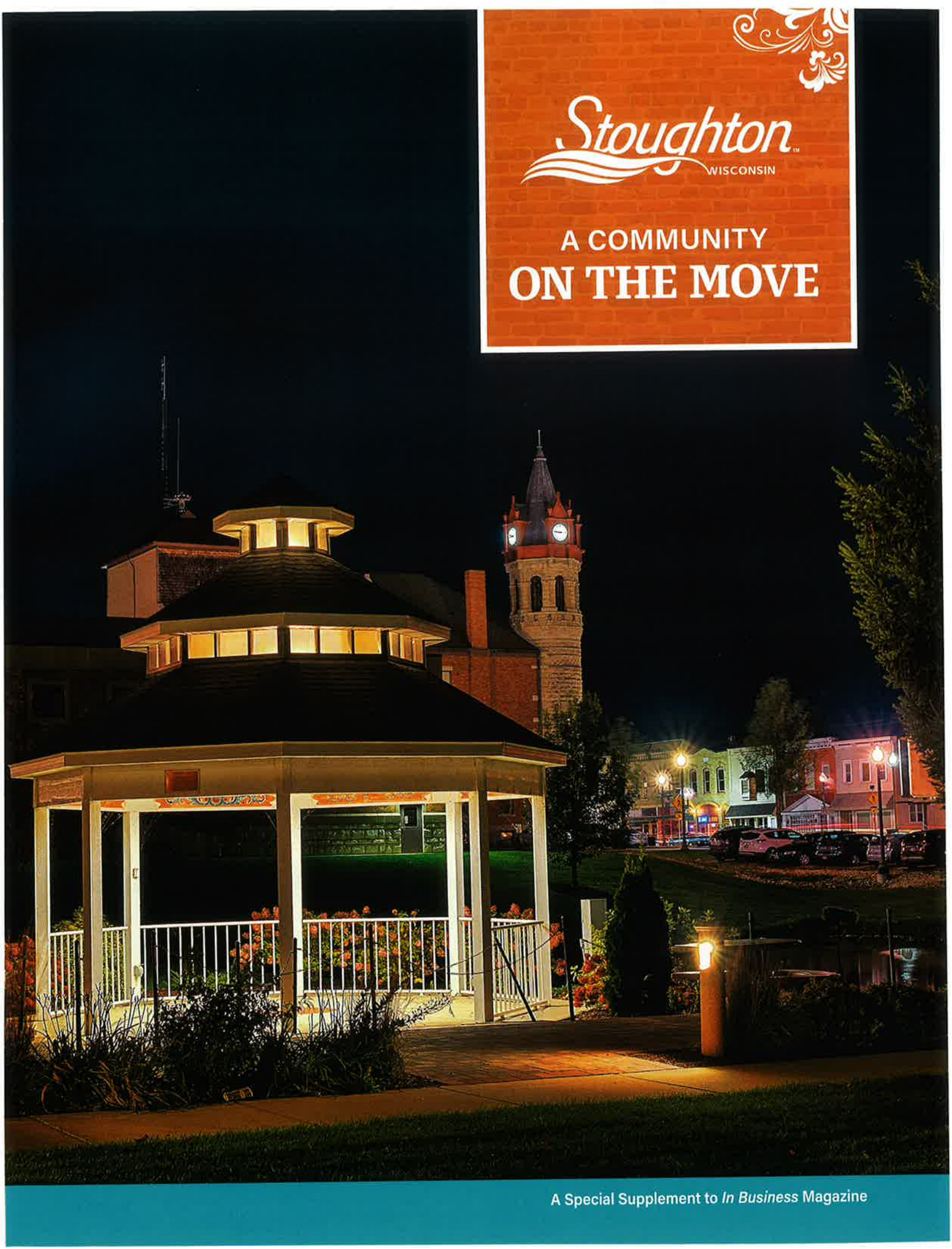
Values based on rolling average					
Parameter Description	2013	2014	2015	2016	2017
CBOD5	1542.43	1312.25	1157.57	1078.04	1041.83
Mercury, Total Recoverable	*****	7.99	19.35	22.35	22.83
Nitrogen, Ammonia (NH3-N) Total	*****	0	156.37	623.87	661
Phosphorus, Total	1978.73	1641.33	1341.08	1238.78	1238.86
Suspended Solids, Total	1782.61	1583.75	1525.15	1594.14	1777.98
Estimated Total	**$5,303.77**	**$4,545.32**	**$4,199.52**	**$4,557.18**	**$4,742.50**
Minimum Base Fee	**$500.00**	**$500.00**	**$500.00**	**$500.00**	**$500.00**
Estimated Total due	**$5,303.77**	**$4,545.32**	**$4,199.52**	**$4,557.18**	**$4,742.50**

NOTE: ESTIMATE ONLY - DO NOT PAY AT THIS TIME

NAME OF PERSON COMPLETING THE FORM _____

PHONE NUMBER _____

E-MAIL ADDRESS _____



A Special Supplement to *In Business* Magazine

Stoughton WISCONSIN

Stoughton's vibrant nightlife comes alive in a historic downtown bursting with charm.

Nestled in Dane County's southeast corner sits Stoughton — conveniently close to Madison, but also an enchanting entity all its own. If you haven't given the city a second look in awhile, it certainly deserves your attention now.

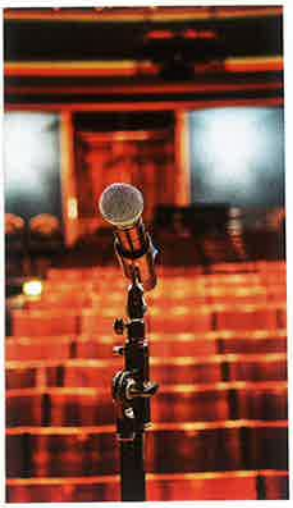
"We're no longer the hidden gem of Dane County," says Laura Trotter, executive director of the Stoughton Chamber of Commerce. Sure, much of Stoughton's charm lies in its Norwegian roots and timeless art scene, but this community of 13,200 residents also boasts a vibrant downtown, an abundance of acclaimed health care facilities, a strong manufacturing sector, and one of the best education systems in the state.

Additionally, a new 75-acre residential development on Stoughton's southwest side offers easy access via Highways A, 51, and 138 and includes plans for more than 250 single-family homes, duplexes, and multifamily housing units. Nordic Ridge is in its third phase of development (with two or three more to come), and the neighborhood will feature the city's only public splash pad, a multipurpose sports field and courts, expansive walking trails, and a solar-powered park shelter.

In another part of the city, Kettle Park West has blossomed into a full-fledged commercial center over the past three years, thanks to the Forward Development Group, a residential and commercial land developer. FDG plans to expand Kettle Park West with a residential development soon. For the past two years, company officials have worked with city leaders, the Town of Rutland, and the Wisconsin Department of Transportation to secure access onto Highway 138 at the southerly extension of Oak Opening Road.

"It is our hope that the conclusion of these negotiations will allow FDG to begin construction of the residential portion of the Kettle Park West development," says Dennis Steinkraus, FDG's development manager. Subsequent phases of Kettle Park West will contain single-family lots, multifamily units, cottage duplexes, and villa-style residences.

A 100-unit senior housing complex, an 88-unit Tru by Hilton hotel, and a new McFarland State Bank will open in 2019.



Experience live entertainment at the Stoughton Opera House, engage with Norwegian, culture at Livsreise and explore nature on the shores of Lake Kegonsa.

"Stoughton is undergoing a transformation right now," says Tom Matson, owner and president of the real estate firm Matson & Associates and the construction company Matson Custom Homes — both of which are integrally involved in the Nordic Ridge project.

"The active real estate market and appreciation has been good — better than in other communities. Plus, the growth Stoughton is seeing is allowing us to attract different demographics, with younger people moving in."

"There is a need for this," says Bob Dvorak, owner of RHD Properties, a Stoughton-based real estate management firm developing Nordic Ridge in cooperation with Matson & Associates and other companies. "Now is the time. I see what other developers have been doing around Dane County, and I wanted to bring something special to this city."

Additionally, Stoughton offers the annual downtown Art Walk in July, the Syttende Mai Norwegian Constitution Day celebration every May, and a year-round lake culture in and around Lake Kegonsa State Park — to name just three community highlights. What's more, average land and home prices are lower than in surrounding communities.

As Matson says: "Stoughton has everything you need, from great schools and neighborhoods when you're younger to the assistance you need as you get older."

A LIFETIME EXPERIENCE

Boasting the only hospital in Dane County not located in Madison, Stoughton has provided residents a strong sense of security and community for almost 115 years. No wonder the tagline for Stoughton Hospital reads: "Trusted care. Close to home."

The 35-bed, full-service hospital includes an emergency room and Urgent Care unit,

Stoughton specializes in blending the old with the new — part of what makes the city so appealing.

as well as satellite centers in Oregon and at the Stoughton Wellness and Athletic Center. It also ranks among Stoughton's top three employers, with almost 400 staff members and a payroll topping $19 million.

Stoughton Hospital is a community-owned entity, and its independence allows it to contract with and welcome physicians, specialists, and health plans from all Madison and regional systems.

"We can give people an alternative to a larger hospital, which is a major incentive," says Terrence Brenny, the hospital's longtime president and chief executive officer. "They like the ambience and smaller-community nature of Stoughton Hospital. The waits are short, and we're easily accessible, but it's more than just having a hospital. We've worked hard at providing high-quality, exceptional health care."

Located next to Stoughton Hospital, the full-spectrum Skaalen Retirement Services provides opportunities for independent living, rehabilitation, and skilled care.

Magnolia Gardens is a community-based residential facility specializing in the care of individuals with Alzheimer's disease and other memory conditions, while the Skaalen Stoughton Campus maintains 164 one-level duplex condominium homes offering support services for independent adults.

"It's rare to have an organization as large as Skaalen in a city this small," notes Kristian Krentz, Skaalen's president and chief executive officer.

Each year, Skaalen also pledges $15,000 in scholarship money for Stoughton High School students.

"We're making an investment in Stoughton," Krentz says. "We're a long-tenured operation and we are going to continue to be here to help Stoughton residents achieve an improved quality of life and peace of mind."

SCHOOL DAYS

A major quality-of-life factor in any community depends on the effectiveness and success of its school system. The Stoughton Area School District boasts a graduation rate of between 97% and 98.5%, depending on the class, according to superintendent Tim Onsager. "We are consistently among the top two districts in Dane County with the highest graduation rates," he says, adding that 118 students from Stoughton High School's Class of 2017 received more than $238,000 in local scholarships.

Stoughton High also was the second public high school in the country to offer students a full-scale workshop that allows them to create practically anything — including a prosthetic hand a 16-year-old student made for an 11-year-old in the district — using computer-controlled tools and 3-D technology. The facility, called the Fab Lab, is open to both students and community residents, and the district recently opened a second Fab Lab at River Bluff Middle School.

"I'm always amazed at the creativity and how quickly students pick up on the technology," Onsager says about the Fab Lab, which has roots at the Massachusetts Institute of Technology and incorporates elements of science, technology, engineering, art, and math to prepare a new generation of workforce-ready students. "They're coming up with things we didn't even think of when we began offering this opportunity. The only limitation is their imagination."

All students in grades 6-12 also receive a Google Chromebook to use during their

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A sunset like this one over Lake Kegonsa is just one of the beautiful scenes Stoughton consistently offers it residents.

school career, and district officials invested in mobile hotspots for students without Internet access at home.

"We live in a world where technology is playing a bigger and better role, and by making sure every student has the opportunity to use technology, we're not leaving anything to chance," Onsager says. "The use of technology has almost become a right, but it shouldn't be taken for granted."

The district also offers students a wide variety of internships and apprenticeships in partnership with area businesses.

HOME, SWEET HOME

Households in Stoughton earn a median yearly income of $66,432, and more than half of those households earn more than the national annual average and have college degrees. Yet homes cost less in Stoughton than they do elsewhere in Dane County.

Matson notes the average home price in Stoughton was $232,300 in 2017, while the average home price in Dane County was $318,070. "We're a good value," he says, adding that 195 new and existing homes were sold in the city in 2017.

Stoughton Utilities, which powers all Stoughton businesses and residences, is another community-owned entity. As a result, rates are lower than in most other Dane County communities, and all employees are local, which means quicker response times during emergencies.

"Public powered communities are pretty unique," says assistant utilities director Brian Hoops. "Our focus is on keeping rates low, because we know it's important to the community. We also try to give back to the community, so that when you pay your power bill,

you don't just see your money disappear."

The utilities company also offers several emerging technology incentives and a renewable energy program for business customers.

NIGHTLIFE AND BEYOND

Stoughton is the retail hub of southwest Dane County, a role that shows no signs of diminishing. In addition to several large chain stores, Stoughton offers a vibrant downtown, with many establishments that are part of the Art Walk — a second-year event that will take place this July.

The community's dining options are similarly eclectic. Inside Viking Brew Pub, patrons can enjoy Scandinavian fare while seated at a Viking longboat with a dragon figurehead that blows smoke on command. Wendigo brings the farm-to-table trend to the city, and Big Sky Restaurant offers the kind of tablecloth dining experience you'd expect to find in downtown Madison.

Other nightlife and recreation highlights in Stoughton include:

- **Stoughton Opera House**: Experience music and other performances by national touring acts and local artists in the intimate atmosphere of a bygone era.
- **Stoughton Village Players**: Theater performed in the charming environment of an old silent-movie house that has been restored and now resides on the National Register of Historic Places.
- **Lake Kegonsa State Park**: Known for its campground, beach, and five miles of hiking trails, the park also offers swimming, fishing, waterskiing, sailing, and boating opportunities in the summer, and cross country skiing and sledding areas during the winter.
- **Troll Beach**: A winner of the Wisconsin Parks & Recreation Association's Outstanding Aquatic Facility Design Award, this recreational area features clean city water, a sandy zero-depth entry, and large inflatable play structures.

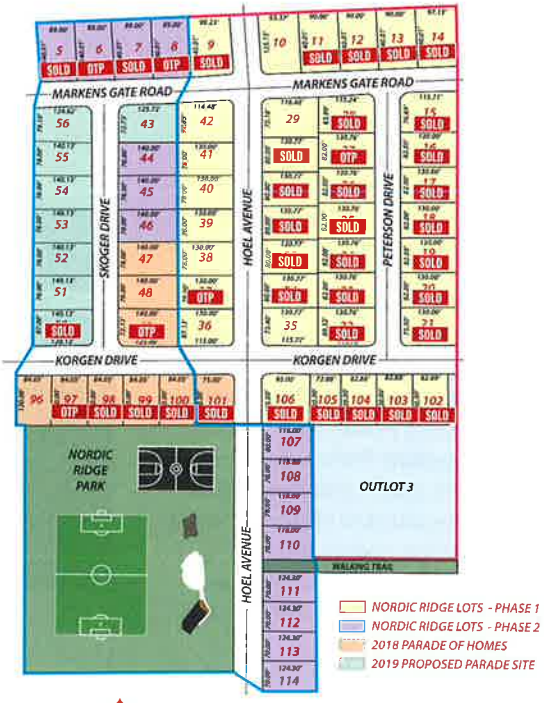
"Stoughton has something to do for everyone," Mayor Donna Olson says, adding that the city offers 19 parks, four conservancies, a disc golf course, and six miles of biking/hiking trails. "The senior center hosts a large variety of classes and events, and our recreation department serves all age groups with a wide variety of programs, from arts and crafts to adult sports and fitness."

"We live and work in a very amenity-rich, community-oriented city," Trotter concludes, "and that's why Stoughton has broad appeal."

Community Living at its Finest

Custom character homes located next to the new Nordic Ridge Park with community splash pad, soccer field and shelter.

Easy access to Hwy A, Hwy 51 and Hwy 138 — just 15 miles South of Madison.



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Bring us your dream and we can make it into reality. Stoughton's trusted realtors since 1977.

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matsonhomes.com
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608-873-8700

NordicRidge
NordicRidgeHomes.com

Visit Nordic Ridge June 9th–24th for the Madison Area Builders Association Parade of Homes!

CERTIFICATE
OF EXCELLENCE IN RELIABILITY

This is to acknowledge that

Stoughton Utilities

has achieved excellence in reliability by significantly outperforming the electric industry national average as reported by the Energy Information Administration.

MARCH 1, 2018
Date

Michael J. Hyland
Senior Vice President,
Engineering Services

AMERICAN PUBLIC POWER ASSOCIATION
Powering Strong Communities

Stoughton Utilities
600 South Fourth Street
P.O. Box 383
Stoughton, WI 53589-0383
Serving Electric, Water & Wastewater Since 1886

News Release

Stoughton Utilities

FOR IMMEDIATE RELEASE

March 22, 2018

Contact: Robert Kardasz, Stoughton Utilities Director

STOUGHTON UTILITIES RECOGNIZED FOR RELIABLE SERVICE TO THE COMMUNITY

Stoughton Utilities has received national recognition for achieving exceptional electric reliability in 2017. The recognition comes from the American Public Power Association (APPA), a trade group that represents more than 2,000 not-for-profit, community-owned electric utilities.

APPA helps members track outage and restoration data, and then compares the data to national statistics tracked by the U.S. Energy Information Administration for all types of electric utilities.

"This recognition helps demonstrate public power's commitment to reliable electric service," said the Association's Senior Vice President of Engineering Services, Michael Hyland.

Public power has a strong track record of reliability, said Hyland. In 2017, customers in the United States for all electric utilities were without power for an average of 129 minutes. Nationwide, the average public power customer has their lights out for less than half the time, compared to other types of utilities. The average Stoughton resident experienced only one outage, and was without power for just 36 minutes throughout all of 2017.

"We are proud to receive this recognition. It is a testament to the hard work of all our staff to ensure that the lights stay on for all our customers," said Robert Kardasz, Director at Stoughton Utilities.

###

Founded in 1886, Stoughton Utilities serves electric customers in Stoughton and the surrounding area, and wastewater and water customers in Stoughton.

Rock River COALITION

Our Mission:
"To educate and provide opportunities for people of diverse interests to work together to improve the environmental, recreational, cultural, and economic resources of the Rock River Basin"

3/25/2018

UTILITIES

APR 0 6 2018

VED
HTON, WI

Robert Kardasz
PO Box 383
WWTF
Stoughton, WI 53589-2465

Re: Receipt from the Rock River Coalition

Dear Robert Kardasz,

On behalf of the staff and board of directors of Rock River Coalition thank you for your generous support of our organization in the amount of $125.

Without you we could not continue our successful stream monitoring program, or our other efforts in the Rock River Basin in Wisconsin.

If you indicated membership in one of our chapters, they also send you their thanks, as 25% of your membership will go to their work.

Please use this document as your tax receipt.

Sincerely,

Joe Zakovec, RRC President
For the Rock River Coalition Board

Rock River Coalition, Inc. is a 501(c)(3) nonprofit organization.
No goods or services were received in consideration of this gift.

Stoughton Utilities
600 South Fourth Street
P.O. Box 383
Stoughton, WI 53589-0383
Serving Electric, Water & Wastewater Since 1886

News Release

Stoughton Utilities

FOR IMMEDIATE RELEASE
March 29, 2018

Contact: Brian Hoops, Assistant Utilities Director

Stoughton Utilities cautions against electric service disconnections as winter moratorium ends

Stoughton Utilities is advising electric and water customers who are behind on their bills to immediately pay any delinquent balances, or make payment arrangements with the utility to avoid service disconnection.

Wisconsin's Winter Emergency Period, often referred to as the moratorium on residential service disconnection, ends April 15. After that date, utilities statewide may begin to disconnect service to customers who are past due on payment of their electric bills for any period of time, including the winter months. Stoughton Utilities plans to disconnect electric service to all severely delinquent accounts on April 19.

"The end of the winter moratorium on disconnections is fast approaching," said Brian Hoops, Assistant Utilities Director. "Unpaid bills drive up costs for the whole community. It is Stoughton Utilities' goal to do what we can to collect unpaid bills while also attempting to help customers avoid service disruptions for nonpayment."

The Public Service Commission of Wisconsin established the annual moratorium—from November 1 to April 15—to protect customers from service disconnection during harsh Wisconsin winters.

According to Hoops, more than 1,500 utility customers have overdue bills totaling over $275,000. Despite these figures, over 75 percent of customers pay their bills on time each month.

“We understand that situations can arise, making it difficult for customers to pay their bills,” said Hoops. “However, to avoid disconnection, we are urging customers to make the appropriate payment arrangements.”

Customers can contact Stoughton Utilities to see if they are eligible to establish a deferred payment arrangement, which can spread payment of delinquent balances out over a period of time. The utility will negotiate payment options with each eligible customer based upon their unique financial situation, however will require a down-payment of at least one-third the past-due balance.

Deferred payment agreements can not be offered to any tenant customer who has defaulted on a deferred payment agreement in the past 12 months, or is responsible for any account arrearages that were placed on any property owner’s tax bill in the City of Stoughton in the past 24 months. Customers with greater than $100 of account arrearages that are more than 90 days past due or any balance that accrued during the winter moratorium that is more than 80 days past due are also ineligible for a deferred payment agreement.

Various low-income assistance programs are offered to Stoughton Utilities customers through our Commitment to Community program, as well as other area resources. To apply for energy assistance, customers should immediately call 1-866-HEATWIS (432-8947). An appointment is necessary, and assistance payments may take up to six weeks to be received.

Customers can review their account balances and make payments online at stoughtonutilities.com. To make payment arrangements or to explore payment options with the utility, customers can contact Stoughton Utilities at (608) 873-3379 during normal business hours of 8:00 a.m. to 4:00 p.m., Monday through Friday.

# # #

Stoughton Utilities
600 South Fourth Street
P.O. Box 383
Stoughton, WI 53589-0383
Serving Electric, Water & Wastewater Since 1886

News Release

Stoughton Utilities

FOR IMMEDIATE RELEASE
March 29, 2017

Contact: Robert Kardasz, Utilities Director

Thank a Lineman on National Lineman Appreciation Day

Lineworkers have a vital role in the community, working in harsh weather and sometimes hazardous conditions to keep electricity flowing year-round, and to restore power immediately during an outage. In honor of National Lineman Appreciation Day on April 18, Stoughton Utilities commends its lineworkers' commitment to service and safety.

"Our linemen are on call twenty-four hours a day, seven days a week, and they have to be ready for any situation. They are often the first responders during storms, making the scene safe for other public safety workers. We value the work they do every day to maintain reliable service to homes and businesses," said Stoughton Utilities Director, Robert Kardasz.

Line work is not easy. Linemen must have the physical strength and agility to be able to climb poles, dig trenches, lift heavy equipment, and more, all while wearing equipment that can weigh around 45 pounds. They also expose themselves to danger every day, whether it be working with energized high voltage lines, or working 50 feet off the ground on a pole or in a bucket lift. Since power outages can happen at any time and can be caused by anything from a storm to a car accident, linemen need to be prepared to spring to action at a moment's notice.

Stoughton Utilities recently earned the American Public Power Association's national Electric Utility Safety Award, receiving a first place award for its outstanding safety record, including that of the electric line crew. For the past ten years, Stoughton Utilities has also received the top safety award given by the Municipal Electric Utilities of Wisconsin.

There continues to be a strong demand for highly trained linemen. Learning the trade often involves completing a technical college program, followed by completing a four-year apprenticeship program and on-the-job training.

# # #

Founded in 1886, Stoughton Utilities serves electric customers in Stoughton and the surrounding area; and wastewater and water customers in Stoughton.

Enroll before June 1 to be entered to win a **Smart Thermostat!**

For details, visit stoughtonutilities.com

Get renewable energy working for you!

We typically think of the sun as a distant yellow orb that's not directly involved in our lives (unless you count sunburns). But the fact is, it can play a big, beneficial role for us, if we just look at that fiery ball in a fresh new way: As a helpful, hard-working fellow who has plenty of energy, is always able to lend a hand around the house — and can help out our entire community in the process! Meet our Choose Renewable family. Energy from solar, wind and biogas resources, ready to go to work for you, starting at only $3 a month!

CHOOSE renewable

$3.00 BLOCK

=

300 kilowatt-hours (kWh)

How this works:

Our Choose Renewable family is available in $3 blocks. Every block you buy is added to your monthly electric bill, and ensures that a share of your electricity comes from solar, wind and biogas. By putting renewable energy to work, you're helping to control energy costs, keeping the environment clean and making the whole community a better place. ALL FOR THE COST OF A GALLON OF MILK.

Why Choose Renewable?

IT'S CLEAN

The more renewable energy we use, the less coal, oil and natural gas we have to burn.

IT'S SUSTAINABLE

Solar, wind and biogas energy sources will never run out!

IT'S SMART

Renewable energy efficiently uses valuable resources and prevents waste.

IT'S LOCAL

Our renewable resources are homegrown: Solar from WI, MI and IA; wind from Dodge County, WI; biogas from Little Chute, WI.

Green-e Energy CERTIFIED

The Green-e Energy logo helps consumers easily identify environmentally superior renewable energy options. For information on Green-e Energy certification requirements, please visit www.green-e.org.

Joining is easy!

There is no special equipment to install, and no change in the way you receive or use energy. You can start (or stop) your participation at any time, and you can use as many blocks of renewable energy as you like! (Each $3 block = 300 kilowatt-hours.)

I agree to purchase:

_____ blocks of renewable energy at $3.00 per month, for a total monthly commitment of $_____. This purchase will appear as an additional charge on my monthly utility bill. I understand I can change my participation level or cancel at any time.

CHOOSE renewable

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At Stoughton Utilities, we join forces with other local, not-for-profit utilities through WPPI Energy to share resources and lower costs.

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Stoughton Utilities

MEUW
Service. Advocacy. Safety.

LIVELines

Volume 66, Issue 4 April 2018

Please Join Us at the 2018 MEUW Annual Conference!

MEUW cordially invites you to the 89th Annual Conference

Join your colleagues at this year's conference in La Crosse. The Annual Conference Planning Committee has put together an impressive program centered on the theme, **"Harnessing the Power of…"**

Find out how to harness the power of:

- **Public Power.** Speaker: Delia Patterson, American Public Power Association
- **Respect in the Workplace.** Speaker: Steve Zach, Boardman & Clark
- **Numbers – Understanding Financial Statements.** Speaker: Jeff Stanek, Baker Tilly
- **Regulation.** Speaker: Martin Day, Public Service Commission of Wisconsin
- **People – Changing Demographics.** Speaker: Joel Chilsen, University of Wisconsin – La Crosse
- **Humor.** Speaker: Stuart Robertshaw, National Association for the Humor Impaired

We also welcome a dynamic keynote speaker for this year's event, Steve Collier of Milsoft Utility Solutions. Mr. Collier is a nationally-recognized speaker and thought leader on developing a modern, intelligent grid. His presentation will focus on the power of technology and emerging industry trends.

We are very appreciative of the Wisconsin Utility Suppliers Association (WUSA) for sponsoring a golf outing and welcome reception on Wednesday for MEUW members. Please click here for a link to the reception venue, the Cleary Terrace at the Weber Center for the Performing Arts. Golf outing registration information will be distributed soon.

Thursday night we invite members to attend the awards banquet where the presentation of the MEUW Awards and the MEUW Safety Achievement Awards will take place. The conference concludes Friday morning with the annual business and board of directors meetings.

We encourage all members to attend the conference and we hope to see you all there for an exciting few days. Please click here for conference, registration and room block information.

Hurry, the deadline to register is May 7!

Municipal Electric Utilities of Wisconsin's mission is to lead, unify, advance and protect the interests of Wisconsin's municipally owned utilities. Since 1928, MEUW has been the trade association for Wisconsin's 82 public power communities and is affiliated with the American Public Power Association (APPA), www.publicpower.org.

MEUW 24/7 Emergency Notification Contact Information:
1-844-MEUW 911 (1-844-638-9911)

A Monthly Municipal Electric Utilities of Wisconsin Publication | 725 Lois Drive, Sun Prairie, WI 53590 | Phone: 608-837-2263 | Website: www.meuw.org

Who Cares About Public Power?

MEUW President Paul Hermanson

For more than 100 years, public power utilities have been serving communities all across America. So what? Who cares?

Who really knows or gives a royal rip if their electricity comes from an IOU, a co-op, or a municipality? In Lake Mills we regularly get calls from people reporting power outages who are not our customers. When we ask to whom they pay their electric bill, they literally don't know. The only things that seem to matter to most people are how much they pay and how often they're out of power.

This has to change!

As operators of public power utilities we have a remarkable story to tell about how we respond to the tremendous responsibility to serve people in our community. We do so much more than collect money and keep the lights on. We should be proud of what we do and who we serve. In Wisconsin, public power has been serving communities since 1890. And we must not be afraid to tout our value to our communities.

The Pride of Public Power

- Local control
- Local decisions
- Lower electric rates
- More reliable system
- Local employment
- Faster response time
- Payments-in-lieu-of-tax (PILOT) state-wide total is more than $20 million annually

According to the American Public Power Association:

- Public power utilities serve more than 49 billion people in 49 states and five U.S. territories – that's 15% of all utility customers in the country.
- 81 public power communities in Wisconsin serve more than 250,000 homes and businesses.
- Nationwide, public power utility rates are lower than IOUs and cooperatives.
- More than 5% of public power utility operating revenues are invested back into our communities for needed services.

And there's more.

Public power utilities are local economic drivers, they provide quality employment, have lower outage rates, and are owned and guided by the people in our communities. Public power utilities also actively support a myriad of community service projects.

Perhaps most importantly, we operate on a not-for-profit, service-focused basis. **That means our main goal is to serve people, not provide profit for stockholders.**

So what? Who cares?

We must.

Be proud of what public power does for your community and your state!

And don't be timid about spreading the word.

From the desk of Jamie Keough

Happy Spring, MEUW Members!

We have a bunch of springtime events that are being held in the months of April and May.

First, we are encouraging as many of you that can attend the **Future Search Summit Planning Meeting** to do so. This event will be held on April 20 at the Wild Rock Golf Clubhouse in Wisconsin Dells. The Clubhouse is a part of Glacier Canyon Lodge. This event will begin at 9 a.m. and conclude around 4 p.m. Lunch and refreshments will be provided. During this event, critical discussion will take place regarding where MEUW has been, where it is today, and where it needs to be in the future. Please RSVP by April 13 to the MEUW office so an accurate headcount can be given to the venue and consulting firm. Should you need further information on this event contact the MEUW office.

Next, we have our annual **Accounting & Customer Service Roundtables**. There will be five roundtables held again this year in various locations. These roundtables are a way to bring member utilities together to meet and exchange ideas and information with their peers. They give members a chance to start discussions with the front office and customer service personnel regarding best practices and other customer service issues affecting member utilities. The locations and dates for these roundtables are as follows: Hartford on May 8; Cornell on May 10; and Kaukauna, Cashton and Waunakee on May 15. These roundtables will run from 9:30 a.m. to 1:30 p.m. The exact locations within each community will be available in the registration area on the MEUW website. Please reach out to me with any questions you may have on dates, locations, and content.

Finally, there is the **MEUW 89th Annual Conference** being held in La Crosse from May 16-18. For more information, please see the front page article of this month's *Live Lines*.

As always, we look forward to seeing everyone at these events and, should you need anything in the meantime, I am just a phone call or email away.

Announcing the 2018 MEUW Safety Award Recipients!

Mike Czuprynko, MEUW Regional Safety Manager

As we get closer and closer to our annual conference in La Crosse, preparations are underway to honor our member utilities who have excelled this year. I can't resist giving you a sneak peek at this year's list of MEUW Safety Award recipients. As I went through the records from past years, I noticed an exponential growth of applications and awards year over year. This is very gratifying to me. More and more members are doing more with their safety culture and being rewarded, not for lagging indicators, but for leading indicators.

As always, if you would like some help in developing a safety culture of leading indicators, don't hesitate to contact me.

2018 MEUW Safety Award Recipients

Bronze

Lake Mills Utilities

Clintonville Utilities

Sauk City Utilities

Prairie du Sac Electric Utility

Waunakee Utilities

Congratulations

Silver

Rice Lake Utilities

Sun Prairie Utilities

Fennimore Municipal Utilities

Muscoda Utilities

Waterloo Utilities

Hustisford Utilities

Bangor Municipal Utility

Broadhead Water and Light

Kaukauna Utilities

Wisconsin Rapids Water Works & Lighting Commission

Eagle River Light & Water

Gold

Evansville Water & Light

Lodi Municipal Light & Water Utility

Juneau Utilities Commission

Manitowoc Public Utilities

Cedarburg Light and Water Commission

Arcadia Electric Utility

City Utilities of Richland Center

Waupun Utilities

Columbus Water & Light

Oconomowoc Utilities

Stoughton Utilities

Marshfield Utilities

Two Rivers Water & Light

Sturgeon Bay Utilities

Energis High Voltage Resources, Inc.

New Holstein Utilities

Menasha Utilities

River Falls Municipal Utilities

MEUW

Upcoming Events

April 20	Energy Project Future Search Summit, Wisconsin Dells
April 24—25	Underground Facility Locating Workshop
May 16—18	MEUW Annual Conference, La Crosse
June 6	Management Training Program Session E—Personnel Issues, Wisconsin Dells

Mark Your Calendars! Visit the MEUW website for a full list.

Looking back at a great year of training workshops

Jake Kallies, MEUW Job Training and Safety Instructor

It's springtime and that means two things for the JT&S program; the training sessions are winding down and we are nearing the start of summer field visits.

This training season, we included several important extra seminars and held them around the state, starting with the 10-hour OSHA seminar in late November at the Hotel Marshfield. Attendees had a chance to get updated on the many OSHA requirement changes that affect our industry. This OSHA seminar is valuable in particular, because it is very specific to the electric industry and packs a lot of material into a two-day class.

Next, JT&S held the Overhead and Underground Design Workshop in Manitowoc. We had around 25 attendees, which was a good turnout especially considering some of our utilities also had crews working in the Virgin Islands as this was going on. Dave Krause did an excellent job bringing everyone up to speed on proper building and design practices as well as code compliance that we in the industry must follow.

The Watt-Hour Meter Workshop has just wrapped up in Green Bay. This was another great seminar and had excellent attendance. Forty-eight electric professionals were able to make it to the seminar from all over the state of Wisconsin and Upper Michigan. Attendees ranged from MEUW member utilities, investor-owned utilities, cooperatives and contractors. A variety of speakers, vendors, and instructors helped make this a well-rounded learning experience for all who attended. Also having the use of the brand-new facilities at the Green Bay training center made for a learning environment that is hard to beat.

The last training seminar we are offering this year is the upcoming Underground Facility Locating Workshop that will be held in New Glarus on April 24 - 25. Christopher Koch is returning as the instructor. Chris has more than twenty years of experience in damage prevention, has been an active member of the National Utility Locating Contractors Association, and has published more than twenty articles and a book on locating. We encourage anyone who wants to learn how to locate or those just needing to brush up on their skills to attend. Space is limited to 16, but as of this writing we still have a few spaces available. This is one of the few seminars that will answer all of your questions and give you hands-on training with your own locator.

It has been great to be able to offer so many extra training seminars to everyone this season. It gives us all a chance to learn something new, update our skills, and get out and talk to other professionals in the industry.

Steve and I will be wrapping up our training sessions around the state, as well, in the next couple of months. Steve is going to be teaching the Mutual Aid sessions and I will be around with Underground Safety sessions for the entire member group. This will give us both an opportunity to touch base with nearly all of you and give you a chance to talk to us. I look forward to seeing you all in the next couple of months!

Summer field visits will start right about the time schools let out.

Stay Safe Everyone!

A scene from the recently completed Watt-Hour Meter Workshop.

Safety . . . It's what I do

Sean Wall, Regional Safety Coordinator, Region 5

Research has shown that it takes roughly 21 days to form a new habit. Why? It's about consistency. The more often you do a daily task, the more it becomes something you just do. It becomes part of your daily routine. Sometimes you even do things because you just feel you have to in order to feel "right."

When I get in my car, I automatically put on my seatbelt. Why? It protects me while I drive. I don't like it when my kids yell, "PUT YOUR SEATBELT ON DAD!" and I despise that stupid dinging sound my car makes when I don't put it on. When I get into my car…I don't have to remember to put my seatbelt on. It's just what I do.

As Regional Safety Coordinators, it's our goal to make our regions feel the same way about Safety. Why are we at your utility or city as much as we are? Why do we schedule monthly trainings? Why do we go out and visit you at work sites?

For me it's for two reasons. I've been told that my region loves me and can't wait to see me and they miss me a LOT when I'm not there…and consistency. (One of those reasons might be made up.) Safety shouldn't be something you have to think about doing. It should be a habit. We want Safety to become so ingrained in your mind that you don't have to think about being safe…you do it because "it's what I do!"

When we're out doing an inspection, we don't want you to think "UH OH! Here comes the safety guy…I better put my ear plugs in!" If you are at a work site using a piece of noisy equipment, we want you to put your ear plugs in because you care about your hearing, and because "it's what I do."

When we're doing a facility inspection, we don't want you to make sure the floor is free of debris because you don't want us to write it up on our inspection report. We want you to pick up the debris because you don't want yourself or someone else to trip on it and get hurt, and because "it's what I do!"

The next time you see your Regional Safety Coordinator, try to tell him something that you do to be safe at work or at home, especially those things you do without thinking. Maybe you're one of those drivers that puts their arm out in front of your passenger when you hit the brakes. Maybe you're the person that makes sure to put salt outside when it's slippery. Regardless of the reason, we can't wait to hear your stories of, "Safety…It's what I do!"

Classifieds

For more detail on any of these job opportunities, go to the MEUW website and click Employment or Click Here!

Manitowoc Public Utilities (MPU) is seeking a Journeyman Line Technician. This is a full-time position and requires constructing and maintaining electric power facilities up to 69 kilovolts. Minimum requirements to apply include Journeyman certification in Electric Line Trade and a minimum five years of journeyman experience. A two-year degree in a related field of study is preferred but we will consider the right candidate with equivalent training and experience. MPU offers competitive wages and benefits. Starting wage between $32 and $40 per hour depending on qualifications. Position will remain open until filled.

Marshfield Utilities seeks a Power Systems Supervisor. This position assists with the study and design of electric distribution system additions and changes, performs general engineering- related projects and supervises the operation and maintenance of the substations, electric metering, and combustion turbine generator. Minimum qualifications include a related Bachelor's degree with at least five years of job experience in utility and operations, electrical engineering, or electrical power systems or an equivalent combination of education and/or experience **Resumes will be accepted until April 6, 2018.**

Columbus Water & Light Department is seeking a Water Utility Worker. Specific duties include daily water plant readings/testing; maintaining water plants and water plant equipment; installing, testing, and maintaining all sizes of water meters; turning valves; flushing and maintaining hydrants; making repairs to damaged mains, services, hydrants and valves; installing water valves or hydrants and more. This employee must be frequently available for emergency response off-shift work, 24/7. Applicant must possess a valid Wisconsin Commercial "Class A" Driver's License without air brake restrictions and with tanker endorsement or the ability to obtain one within one year from hire. A comprehensive benefit package with a salary range of $19.57 - $27.49 per hour depending on qualifications. **Application deadline is April 16, 2018 at 4:00 pm.**

MEUW JT&S Underground Locater Workshop

April 24—25 New Glarus

Registration Deadline: April 13

Limited to 16. A few seats remain!

Registration fee: $375

Click here for more information.

Today's locating technician is charged with locating and protecting vital infrastructure. Knowledgeable, well-trained locate technicians are the primary "protectors" of this complex infrastructure. Besides electric utility technicians, this workshop is recommended for water, wastewater, cable TV and public works employees.

The workshop will cover information found in Units 1—3 of the National Utility Locating Contractors Association (NUCLA) Professional Competency Standard including locating theory and use of the transmitter and receiver.

What to Bring: Attendees should bring their own locating equipment including the transmitter, receiving unit and associated cables, connectors, clamps and marking paint.

SAVE THE DATE!

MEUW's 89th Annual Conference

May 16—May 18

Radisson LaCrosse Hotel

Register now for Webinars

An internet connection and a computer are all you need to educate your staff. Individual webinars are $99 or sign up for a series at a discounted rate. Register today at www.PublicPower.org under Education & Events. Non-members can enter coupon code **MEUW** to receive the member rate.

- Public Power Governance Series: Support Long-term Fiscal Fitness **April 4**
- Electric Utility 101 Series: Operating a Local Public Power System **April 5**
- Electric Utility 101 Series: Managing a Public Power Utility Enterprise **April 19**
- Public Power Governance Series: Measure and Improve Performance **April 25**

MEUW

AMERICAN PUBLIC POWER ASSOCIATION ACADEMY

WPPI energy

POWER REPORT

Spring 2018

WPPI Energy Members Help Businesses Grow

The Beginning

Steve Krueger remembers the day he was hired by Steel King Industries (Steel King) to help open a brand new plant in New London, Wis.

"January 5 of 1979," the newly retired plant manager says without batting an eye.

Krueger has seen the company — a manufacturer of racking systems, safety products, storage containers and other material handling products — grow from nine employees on the first day of production ("April 9 of 1979" according to Krueger) to a present day staff of 145.

"I'm extremely proud of what I left behind," he says, explaining that he thinks of the plant almost like one of his children.

"I live and die this company," he says. "I bleed green."

The Expansion

For the past three years, Krueger managed a project to build a 150,000-square-foot, state-of-the-art addition on the New London plant. It was both a new beginning and swan song for him.

"I was honored the management gave me this major project to work on as my last one before retirement," he says.

Though several of Steel King's locations were considered for the expansion, the management ultimately selected New London. This was largely because of an economic development rate New London Utilities (NLU) offered.

"NLU came along with the rate proposal, and it ended up being a major factor in keeping the expansion in New London," says Krueger.

The rate is projected to save about 35% off the plant's monthly utility bill for the next four years.

"If you look at how much electricity goes through this place, it's a tremendous savings," says Krueger.

> **"You need to do everything you can to make your business customers healthy so they can grow."**

Supporting Local Businesses

Steve Thompson, General Manager of NLU and a member of WPPI Energy's Executive Committee, was eager for NLU to be the pilot for the rate, and pleased to offer it to Steel King.

"You need to do everything you can to make your business customers healthy so they can grow," he says, noting that the success of local businesses can bring jobs to a community, attract new residents, and strengthen the local economy.

Thompson says the Steel King addition and the ability to attract new businesses with the economic development rate "will put New London on the map as a place that has really good companies to work for that are progressive, modernizing, and well-paying."

Continued on page 7...

Krueger (left) and Thompson worked together for 33 years

Stacked inventory inside the Steel King expansion

Photo credits: Sweet Sage Photography

The 2018 APPA Legislative Rally

In February, I had the privilege of joining 48 member advocates from 22 WPPI Energy member communities for the American Public Power Association's 2018 Legislative Rally in Washington, D.C.

The WPPI Energy members from communities in Wisconsin met with U.S. Sens. Baldwin and Johnson, Reps. Pocan, Kind, Grothman, Duffy and Gallagher, and the office of Rep. Sensenbrenner. The WPPI Energy members from Michigan met with U.S. Sen. Stabenow and Rep. Bergman.

Our group advocated for the interests of the WPPI Energy membership and public power utilities across the nation on the following topics:

FROM THE CEO

Michael W. Peters
President/CEO

Advocacy Topics

Municipal bonds: We thanked legislators for maintaining the tax-exempt status of municipal bonds throughout the tax reform process, and encouraged them to continue supporting municipal bond-backed electric system investments.

Distributed generation: We encouraged legislators to keep distributed generation decisions local, allowing public power utilities to work with their communities, local leaders and state regulators to ensure that all customers who benefit from the grid — including those with solar and other distributed generation — help to maintain it.

Broadband pole attachment rates: We urged legislators to oppose any bill that could endanger municipal utilities' longstanding exemption from federal pole attachment regulations or could result in public power customers subsidizing broadband pole attachments for communications providers.

Electric grid cybersecurity: We suggested that any future cybersecurity proposals be implemented through the current process in which the North American Electric Reliability Corporation issues and enforces standards approved by the Federal Energy Regulatory Commission. We also stressed that one-size-fits-all utility cybersecurity proposals would unduly burden small- and medium-sized utilities.

Mandatory electric capacity markets: We urged legislators to oppose energy policy that would impose or expand mandatory capacity markets on all Regional Transmission Organizations. Artificial constructs in mandatory capacity markets — such as a minimum offer price for capacity — remove control and inflate the cost of power for all customers in a Regional Transmission Organization's footprint.

The legislative rally is an important opportunity for municipal utilities and the communities they serve to have their voices heard by members of Congress. I am always impressed by the dedication and enthusiasm demonstrated by our member utility leaders and local officials as they work together to advocate for the benefit of those they serve.

Member Spotlight: **Sun Prairie, Wisconsin**

A Part of the Community

It's a cold winter day in Sun Prairie, Wis. A truck makes its way through the slush-lined streets and pulls into the garage at Sun Prairie Utilities (SPU). People are already inside waiting to accept the cargo, but instead of the usual transformers or wire, today it's boxes of Thin Mints, Samoas and Do-Si-Dos.

"The Girl Scouts ask us to use our space for receiving and distributing their annual shipment of cookies," says Utility Manager Rick Wicklund.

For the team at SPU, sharing their garage is just part of working at a locally owned, municipal utility.

"We all realize we're here to provide value that goes above and beyond electric and water service," says Wicklund. "We try to help out in any way we can."

Sometimes, that means opening up the utility's conference room to a local group that needs a meeting space; sometimes, it means reading to local schoolchildren or volunteering at Corn Fest.

"By participating, we become a part of the community instead of just a spectator," says Dave Euclide, the utility's customer service manager.

The Utility

This community-centric attitude is the foundation of SPU's culture.

Utility employees and Commissioners volunteer with organizations such as the Exchange Club, Lions Club, American Legion, Business and Education Partnership, Meals on Wheels and Sun Prairie Fire Department.

SPU employees strive to provide excellent customer service to their neighbors in the community. Sometimes, this simply means taking care of a person who needs help, even if they can't solve his or her problem.

"You can't always help everybody out," says Wicklund, but he urges his staff to try to understand a customer's situation.

The Sun Prairie Utilities staff

"Maybe they're going through a hard time. Maybe they lost their job or something's happened to them. Maybe they're worried about a relative who's having a health issue and it's coming out as frustration when they talk to us," he says.

In short, SPU employees "do our best to show compassion and empathy."

A Growing Community

As recently as 20 years ago, Sun Prairie was a small, agricultural community. Now, it's one of the fastest growing cities in Dane County.

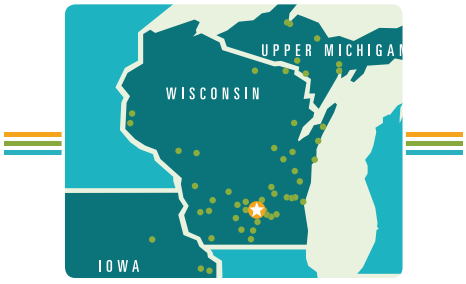
While the downtown still retains its small town charm, the city has seen significant residential and business growth, aided by the addition of the Shoppes at Prairie Lakes on the west side of the city.

Sun Prairie's businesses, proximity to Madison, and excellent schools, public parks and city services have attracted many new residents to the area.

Providing Support

In order to support a growing community, SPU continues to implement initiatives to strengthen the utility's infrastructure, technology, programs and services. These initiatives include:

Continued on page 4...



SUN PRAIRIE FAST FACTS

County: Dane
Number of customers: 15,400+
Utility website:
www.sunprairieutilities.com

Did you know?

- Artist Georgia O'Keeffe was a resident of Sun Prairie when she was a child.
- As the self-proclaimed "Groundhog Capital of the World," Sun Prairie hosts an annual Groundhog's Day celebration with prognostications from the official groundhog "Jimmy."
- Nascar stars Jeff Gordon, Tony Stewart, Kasey Kahne and Matt Kenseth have raced at the Angell Park Speedway on Sun Prairie's east side.

SPU hosted a photo scavenger hunt contest for customers as part of its 2017 Public Power Week

Sun Prairie, continued from page 3...

Advanced Metering: The utility is about 40% of the way through a project to implement Advanced Metering Infrastructure (AMI) throughout the city.

Advanced meters, which provide significantly more detailed data than previous technologies, will help customers track and manage their energy use.

Fiber Network: Sun Prairie is one of the first communities in Wisconsin to have a community-wide, high-speed, fiber optic Internet network.

SPU built and owned the first part of the network several years ago. The utility recently sold that original network to TDS, which expanded it through the rest of the city. TDS is now the Internet provider for many of Sun Prairie's 29,300+ residents.

"Our agreement with TDS fulfills a mutual goal of getting fiber to homes throughout the city," says Wicklund.

Energy Services: Like other WPPI Energy members, SPU provides an Energy Services Representative (ESR) to local businesses to help meet their renewable energy and energy efficiency goals.

"My role is to listen and understand a business' goals, then provide the technical knowledge and resources to help reach those goals," says Clint Cry, SPU's ESR.

This includes connecting businesses with incentive programs to help fund projects. In 2017, Cry helped Royle Printing, ContiTech, Pick 'n Save, Pan-O-Gold Baking Company and several other businesses receive significant incentive funding for energy efficiency projects.

Cry also helped the City of Sun Prairie apply for a grant through a WPPI Energy program for renewable energy projects. The city was approved for over $64,600 in funding, and is planning to install a 74-kilowatt solar photovoltaic array at City Hall in the next year.

WPPI Energy

SPU employees are active with WPPI Energy, which is headquartered in Sun Prairie. SPU has representives in WPPI Energy's Distribution Services Advisory Group, Member Services Advisory Group, Outage Management Task Force and Rates Services Advisory Group.

Wicklund and the SPU staff benefit from the sense of community they have with other members, as well as the range of services members have built through WPPI Energy.

"As locally owned, not-for-profit utilities, we all have the same issues. We can pick each other's brains and learn from someone else's experience," says Euclide.

"There's a sense of support between WPPI Energy members," says Wicklund. "They're your friends. You know them personally. They're the ones you call when you need help."

SPU also gets a lot of value from WPPI Energy services, including rate assistance, a robust power supply portfolio, advocacy, metering support, and network support.

WPPI Energy also hosts and maintains several software systems for SPU and other members.

"Hosting everything we have with WPPI in-house...I can't even fathom it," says Euclide. "We'd probably have to double our staff."

The Future

Wicklund and his staff would like to see SPU continue to be progressive and forward-thinking. They're currently working on a strategic plan for the utility, and would like to grow in the areas of AMI, work order management, distribution automation and customer interfacing.

They also want to make sure they're anticipating things that might interest customers in the future, such as battery storage or customer-sited renewable energy.

"We want to be able to be a good resource for customers on those topics," says Cry.

Sun Prairie Utilities is much like the city itself; it's modern and sophisticated, but it's also the kind of place where people are happy to lend a helping hand.

"While we try to be a utility of the future, we never want to lose our community focus," says Wicklund. "The community is the reason for everything we do."

Local Leadership

Sun Prairie Mayor Paul Esser serves on WPPI Energy's Policy & Communications Leadership Council.

He recently shared his insights in a video overview of WPPI Energy's history. Esser was also mayor during the time SPU joined WPPI Energy.

MEMBER NEWS

Members Provide Mutual Aid

Providing reliable service, working together, and supporting one's fellow utilities are core values of public power. Several WPPI Energy member utilities demonstrated those values in 2017 by answering calls for mutual aid and traveling to help their fellow utilities restore power following a disaster:

- **EF1 tornado, McGregor, Iowa:** Maquoketa Municipal Electric Utility
- **EF1 tornado, Kaukauna, Wis.:** Sturgeon Bay Utilities, Waupun Utilities
- **Hurricane Irma, Florida:** Plymouth Utilities, Waunakee Utilities, Reedsburg Utility Commission, Columbus Water & Light, Hartford Electric, Lake Mills Light & Water, Oconto Falls Municipal Utilities, Kaukauna Utilities, Jefferson Utilities, New Holstein Utilities, Prairie du Sac Utilities, Lodi Utilities
- **Hurricanes Irma and Maria, U.S. Virgin Islands:** Two Rivers Water & Light, Reedsburg Utility Commission

Cedarburg Schools LED Project

Cedarburg Light & Water recently worked with the Cedarburg School District to complete an extensive LED lighting project in all five schools.

The LED lighting is projected to save the school district 156.4 kilowatts of energy each year for a cost savings of over $136,000.

Cedarburg High School is one of five schools that received new LED lighting

L'Anse Solar Project Study

The Village of L'Anse, WPPI Energy, Michigan Technical University and the Western Upper Peninsula Planning and Development Region recently completed a study on the feasibility of a starting a community solar project in L'Anse, Mich., which is located in the Upper Peninsula. Their findings show that, in general, customers support moving forward with a community solar program, but there are significant affordability challenges. The village is now considering the findings.

WI Business Customers Honored

Eight business customers served by WPPI Energy members were recognized as Green Masters at the Wisconsin Sustainable Business Conference in December:

- Appleton Coated (Kaukauna)
- Essity and Menasha Corp. (Menasha)
- Evolution Marketing (Oconomowoc)
- Lands' End (Reedsburg)
- Phillips-Medisize and Westfields Hospital and Clinic (New Richmond)
- Rockwell Automation (Richland Center)

Green Masters are among the top 20% of applicants in the Green Masters program, which assesses sustainability practices in nine key areas.

WPPI ENERGY POLICY UPDATES

Federal

Tax Reform Bill Signed Into Law - President Trump signed H.R. 1 — a $1.5 trillion tax cut — into law in December. The new law prohibits the issuance of tax-exempt advance refunding bonds, but retains the current tax exemption for interest paid on municipal bonds. Retaining the tax-exempt status of municipal bond offerings is a top legislative priority for public power. The WPPI Energy membership will benefit from the new law due to lower Investor-Owned Utility power purchase agreement costs and transmission costs, as well as increased transmission revenue.

Wisconsin

PSCW Updates - Governor Scott Walker recently announced several changes to the Public Service Commission of Wisconsin's (PSCW) leadership. He appointed PSCW Chairperson Ellen Nowak as Secretary of the Department of Administration, with Commissioner Lon Roberts taking over as the new PSCW chair. He also appointed his Chief of Staff, Rich Zipperer, to fill the open Commissioner seat, subject to confirmation by the state Senate. Prior to serving as Gov. Walker's Chief of Staff, Zipperer, an attorney, was a state senator and served as chair of the Senate Utilities Committee.

CFC Power Breakfast - The Customers First! Coalition hosted its annual Power Breakfast in February. The event featured a keynote address about changing customer expectations, a customer panel and a policy-makers panel.

Iowa

IAMU Legislative Forum and Annual Business Meeting - The Iowa Association of Municipal Utilities hosted its legislative forum and annual business meeting December 29, 2017. Attendees had an opportunity to learn about the legislative issues impacting municipal utilities, visit with legislators and learn about timely topics impacting municipal utility managers.

Hartford's Menasha Packaging Implements Efficiency Plan

Energy efficiency projects can have a significant impact on a business' bottom line. Creating a successful energy efficiency strategy requires dedication and commitment at every level of a business, as well as guidance and resources from outside organizations.

Last year, Menasha Packaging (MP) created and implemented a plan to make their Hartford, Wis. plant more energy efficient. They received assistance from Hartford Electric and state program Focus on Energy.

Menasha Packaging

MP is the nation's largest independent, retail-focused provider of corrugated packaging and merchandise. Its products and services are used by major food, beverage, health & beauty, pharmaceutical, entertainment and electronics companies. MP has several locations across the U.S. and in Canadian provinces Ontario and Quebec.

MP is a large business with a large electrical demand. The Hartford plant runs 24 hours a day, seven days a week, and the equipment is energy-intensive. Like many businesses, MP continually strives to boost its bottom line.

The Team

A team of key MP employees formed to look into energy efficiency measures to help cut company costs. Members included: Dan Dieringer, Regional Lean Manager; Ron Krebs, Maintenance Manager; Joe Ziegelbauer, Electromechanical Technician; and others.

They received assistance from Hartford Electric's Energy Services Representative Mike Gentry and Focus on Energy's Senior Energy Advisor Richard Fuestel.

Gentry and Fuestel provided resources and recommendations that helped identify opportunities and quantify project savings.

Pictured from left: Greg Ehrle, MP operations manager; Sue Murray, MP purchaser; Randy Sabel, We Energies principal account manager; Dieringer; Krebs; Ziegelbauer; Feustel; Tim Michalak, Hartford mayor; Mike Riegsecker, MP chief operations officer; Brian Rhodes, Hartford Electric director of utilities; and Jim Kotek, MP president and CEO.

Strategic Energy Management

Gentry suggested that MP consider participating in the Strategic Energy Management (SEM) initiative, a federal program administered in Wisconsin by Focus on Energy.

SEM helps businesses create and implement a long-term, strategic plan for saving energy and money by setting goals, tracking progress and reporting results.

Gentry worked with the team to analyze historical data to determine how much energy individual components and processes use.

Hartford Electric provided financial incentives and equipment monitoring services in addition to the resources and incentives Focus on Energy provided through the SEM program.

The Energy Efficiency Projects

The team worked with Gentry and Focus on Energy for 18+ months to complete the SEM program and finish the following projects:

- Setting up an extensive metering and monitoring system throughout the facility
- Installing new process heat recovery systems
- Upgrading lighting and compressed air systems to more energy efficient technologies
- Installing a more efficient boiler, netting $40,000 in returns
- Changing a felt corrugator belt to a plastic model, producing an annual energy savings of about $11,000

MP is projected to save nearly $200,000 annually as a result of these projects.

In October, Focus on Energy recognized MP for its efforts as part of Energy Awareness Month. MP is one of only 30 Wisconsin companies to have completed the SEM program.

With assistance and resources provided by Hartford Electric and Focus on Energy, MP implemented a strategic, effective plan that will help the company save energy and boost its bottom line well into the future.

Feature Article, Continued...

Reliability

The newly expanded New London plant is projected to have a peak load of two megawatts. In order to maintain a high standard of reliability, NLU added two transformers to its electrical system that are looped together on a network of 34.5 kilovolt power lines. The utility also has replacement transformers in stock to ensure quick restoration in the event of an equipment failure.

"The Commission allowed us to build a very strong, redundant electrical system and have the components to maintain it," says Thompson.

Reliable power is especially important to manufacturing companies such as Steel King.

"Any time production stops, it's very costly," says Krueger, although this is not something he worries about with the new system.

"Steve (Thompson) and the utility had enough vision to see the growth on this end of the city and set us up with a really good system," he says. "I feel very, very comfortable with the dependability of the system."

Businesses and Public Power

Krueger values the unique benefits of being served by a public power utility.

"Steve and I have a very good working relationship, and I think that's important; I'm a firm believer in relationships," he says. "Steve understands the need, because it's close to him, and NLU's service is impeccable."

With the utility office only minutes away from the plant, business with the utility is straightforward and friendly.

"If I have a problem, I make a phone call, we go to lunch to talk about it, and he fixes it," says Krueger. "I'm very, very happy to deal with a local utility."

NLU and WPPI Energy

Thompson appreciates the resources that he has access to through WPPI Energy. In addition to the economic development rate, he mentions residential programs, NLU's Energy Services Representative Lisa Miotke, and WPPI Energy's wide range of specialists.

"I have the same number of employees I had 32 years ago, but I have more demands on me for expertise in all kinds of areas now – energy conservation, heat pump systems, air conditioning systems and more," he says.

"WPPI Energy has very talented employees that will help us with anything – all I have to do is make a phone call," he says.

The End of an Era

As Steve Krueger walks into the new facility that has been his 'baby' for the past three years, he reflects on a successful, 38-year-long career.

"This has been a great community to work in," he says. "I'm proud to say I'm from New London, and proud to say I worked at Steel King."

WPPI Energy owns part of the CapX2020 Hampton-Rochester-La Crosse 345-kilovolt project. Pictured is a section of the project near Alma, Wis. that crosses the Mississippi River.

WPPI ENERGY NEWS

WPPI Energy Participates in Security Exercise

WPPI Energy participated in the North American Electric Reliability Corporation's biennial GridEx exercise in November. The exercise was designed for utilities to practice their response to cyber and physical security threats in a simulated environment.

CapX2020 Projects Completed

The CapX2020 initiative — a multi-state effort to provide clean, reliable energy to customers in Minnesota, Wisconsin and the Dakotas — was completed in September of 2017. As part of the initiative, 11 utilities partnered together over the course of 13 years to complete five regional projects. When combined, these projects provide 800 miles of transmission lines and substations across the Midwest, and make it possible for communities in more locations to use renewable energy, such as wind power.

WPPI energy

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Sun Prairie, WI 53590-9109
Ph: (608) 834-4500
www.wppienergy.org

Stronger Together: Joint Purchasing Program

Ordering materials can be time-intensive and expensive for small utilities. WPPI Energy's Joint Purchasing Program, which recently celebrated its 30th anniversary, uses principles of joint action to meet those challenges.

Participating members pool their buying power, which gives them access to better pricing and helps them save on shipping costs.

Deb Adams, Technical Assistant II at WPPI Energy, manages the program with support from Chris Chartier, Director of Distribution Services, and Lindsay Murphy, Technical Assistant I.

"I gather information about vendors and materials to present to DSAG, but they make all the decisions," says Adams.

The Distribution Services Advisory Group (DSAG) consists of a diverse group of member utility managers, line superintendents and purchasers. They evaluate options based on several factors, including cost, lead time, quality and minimum quantity required.

Pictured from left: Randy Posthuma, Chair of DSAG, Todd Tessmann, Vice Chair of DSAG, Adams, Murphy and Chartier

"We have a group of knowledgeable members in DSAG that know materials and know the best items to go into the online materials catalog," says Chartier.

The online materials catalog contains over one thousand items from which members can choose. It provides an automated, seamless ordering experience, and members can order with the confidence that the materials included in it were evaluated and selected by their expert member peers serving on DSAG.

The Joint Purchasing Program also allows members to save money by sharing access to services, such as infrared inspection, lamp/ballast recycling, rubber goods testing and replacement, transformer oil testing, truck testing and weed spraying.

The Joint Purchasing Program is another way in which WPPI Energy members and their customers benefit from joint action. Nearly all member utilities participate in the program, and because they're all not-for-profit, the savings get passed on to customers through lower electric rates.

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PUBLIC POWER MAGAZINE

AMERICAN PUBLIC POWER ASSOCIATION

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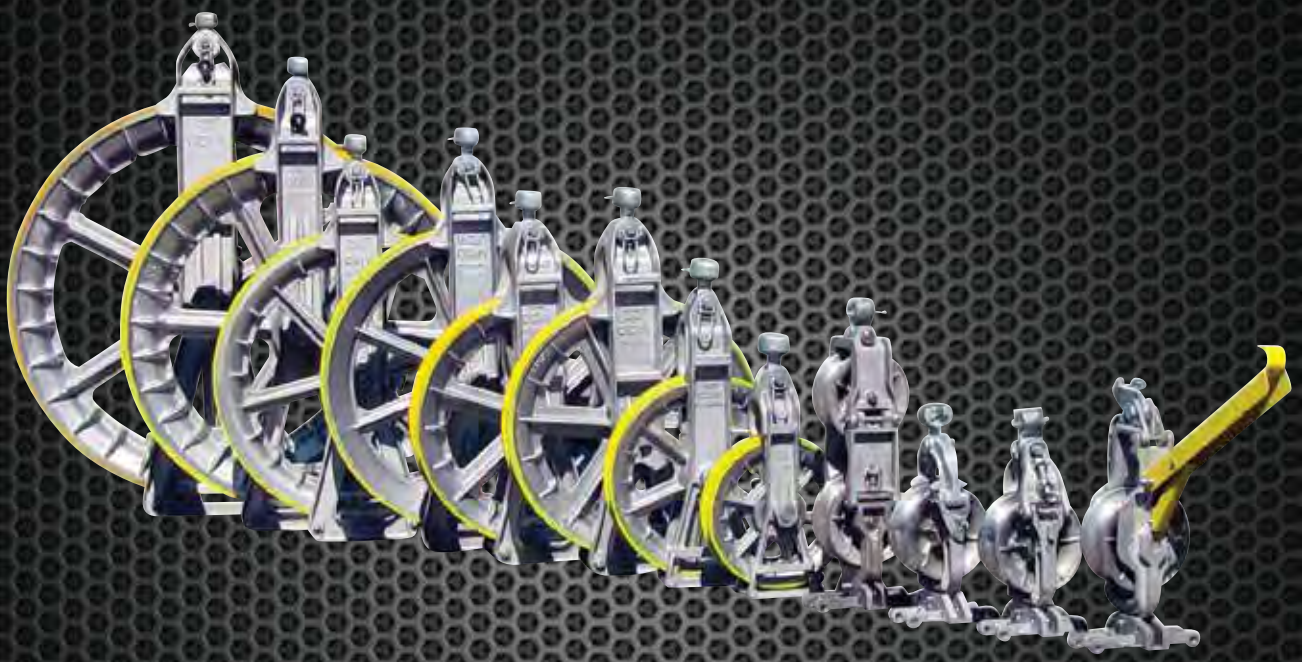

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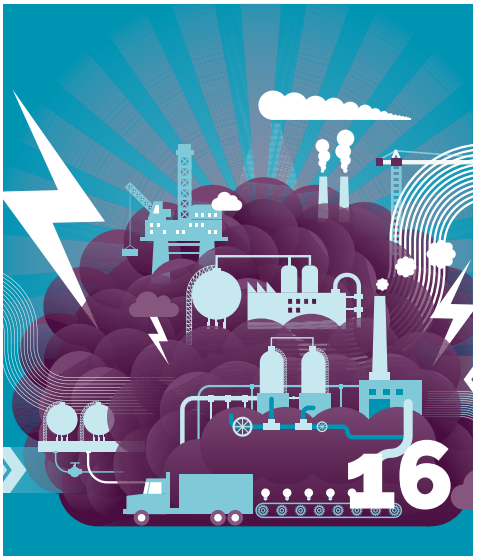

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ABOUT THE AMERICAN PUBLIC POWER ASSOCIATION

The American Public Power Association is the voice of not-for-profit, community-owned utilities that power 2,000 towns and cities nationwide. We advocate before federal government to protect the interests of the more than 49 million customers that public power utilities serve, and the 93,000 people they employ. Our association offers expertise on electricity policy, technology, trends, training, and operations. We empower members to strengthen their communities by providing superior service, engaging citizens, and instilling pride in community-owned power.

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PUBLIC POWER LINES

SUE KELLY, PRESIDENT & CEO, AMERICAN PUBLIC POWER ASSOCIATION

Small is Beautiful

Back in the mid-1970s, at a large land-grant university in a Midwestern galaxy far, far away, I took a course in economic geography. The professor assigned a book that had just been published called "Small is Beautiful — Economics as if People Mattered," by someone I had never heard of — one E.F. Schumacher.

I took lots of economics courses on my way to earning a Bachelor of Arts in Economics, but this course was different. It was taught by the Geography Department. The Economics Department would never have assigned a book with a chapter called "Buddhist Economics." This was the same department that later established the Kenneth Lay Chair in Economics, after the then-Enron CEO, a much more (in)famous and well-heeled alumni than me, donated $1.1 million shortly before Enron fell apart. The department kept the money, which was, of course, the economically rational thing to do.

Schumacher laid out some radical economic ideas in his book: that "men organized in small units will take better care of their bit of land or natural resources;" that work was not just a way to maximize economic output but was something "decreed by Providence for the good of man's body and soul" (quoting that noted economist Pope Pius XI); and that we could "interest ourselves in new forms of partnership between management and men, even forms of common ownership." It was pretty out-of-the-box thinking for its time.

I finished the course, finished my degree and decided that the dismal science as taught by my alma mater was not for me. So, I went to law school. After that, as a young associate in a large D.C. corporate law firm, I discovered energy law and, even more important, that there were different varieties of utilities. It did not take long for me to decide that it would be better for my "body and soul" if I labored on behalf of utilities that were not-for-profit and whose incentives were to serve the communities that owned them. I switched law firms and dived into the world of municipal utilities, spending the next decade working with public gas superintendents and utility managers in smaller cities and towns in the South and Southwest. I also did legal work for the American Public Gas Association. I really liked my clients, and while it took some time for them to get used to having a young woman as their Federal Energy Regulatory Commission counsel, they eventually became an extended family to me. My rather tortuous career path eventually led on to public power utilities and to the job I am now privileged to have.

Throughout my career, I have been struck by the dedication and single-mindedness of public power (and gas) managers and employees. They really do try to do the right things for the right reasons and to do right by the communities they serve. That is because they themselves live in those communities, and especially in smaller communities, they are likely to know many of their customers personally — they are friends and neighbors.

When I learned that this issue of Public Power Magazine would focus on small public power utilities, I immediately recalled Small is Beautiful. I ordered the book (long since left behind in some move) online from Amazon (yes, I see the irony in that!) to reacquaint myself with it. Reading Schumacher again, some 40 years later, I found some of his views questionable, such as his assertion that women "on the whole, do not need an 'outside' [the home] job." But some of his basic premises — that economic organizations should serve people (and not vice versa), and that smaller economic units on a more human scale might actually do a better job of maximizing societal welfare, still resonate. Bigger is not always better, as the Enron debacle taught us all (except, perhaps, my alma mater's Economics Department).

The articles in this issue highlight how smaller public power utilities can indeed be beautiful. They pride themselves on doing more with less, saving their customers money (see page 16). Because they are a vital part of their communities, they can take on an innovative project or do a pilot program with a minimum of red tape if they see a community need or desire. And if they cannot provide a service themselves, they can partner with others, including joint action agencies and state associations, to achieve the strength that comes from greater numbers (see page 8).

Many Association members tell me that the Larry Hobart Seven Hats Award is their favorite of all the awards we give out each June at our National Conference. The people who get this award are the heart and soul of public power, and they give the labor of their "bodies and souls" to benefit their communities every day (see page 24).

Public power employees should be proud that their labor is meaningful and benefits their fellow man (and woman!). Thank you for all you do.

"I have been struck by the dedication and single-mindedness of public power managers and employees. They really do try to do the right things for the right reasons and to do right by the communities they serve."

SUE KELLY, PRESIDENT & CEO
AMERICAN PUBLIC POWER ASSOCIATION

STOPS ON THE PUBLIC POWER TRAIL

American Public Power Association President and CEO Sue Kelly spends much of her time in "planes, trains and automobiles," visiting the many people and places of public power. Enjoy a few stops on a year's worth of her journeys.

1 STOWE, VT
As part of the fall board meeting, our board and senior staff heard how Stowe Electric is following electric vehicle trends thanks to a charging station at famed local brewery, the Alchemist.

2 MONCKS CORNER, SC
Learned a lot on a visit to Santee Cooper, where I met with the utility's next generation of leaders as part of a management training session.

3 ORLANDO, FL
Was glad to see our members warmly welcomed by the Orlando Utilities Commission as we met for the National Conference.

4 POINT CLEAR, AL
I got to catch up with many old friends when I attended the Alabama Municipal Electric Authority's 2017 Power Supply Conference. I was truly honored to receive the 2017 AMEA President's Award and have Fred Clark, AMEA's CEO, refer to me as an honorary Alabaman for all the time I spent in South Alabama while practicing law.

5 SPRINGFIELD, IL
As I drove into town for Illinois Municipal Electric Association's Annual Meeting, I was greeted by a huge sign painted on the side of Springfield's City Water, Light & Power Dallman 4 Station featuring Lincoln's profile, which urges drivers to "Visit Mr. Lincoln's Hometown."

6 BRAINERD, MN
Heard calling loons while at Gull Lake for the Annual Conference of the Minnesota Municipal Utilities Association. That's one of Minnesota's famous 10,000 lakes down, 9,999 to go.

7 OMAHA, NE
I visited Omaha Public Power District and met with OPPD's senior staff and the OPPD Women's Network. One of the network's board members is Laura Strode, a former DEED intern who was offered a job at OPPD at the end of her internship — a walking testament to the power of DEED!

8 SAN ANTONIO, TX
Visited twice in 2017 — first for the Lineworkers Rodeo, cohosted with CPS Energy in May, and again in July, when I learned how the Argentinian Monk Parakeet can cause outages for Texas utilities.

9 PHOENIX, AZ
Before meeting with public power CEOs for our annual CEO Roundtable, I got to tour Taliesin West, a former home of Frank Lloyd Wright that's now an architecture school. I learned how Wright designed the living room windows to block out the view of transmission lines. In following up with Rob Kondzolka at Salt River Project, I learned how he and SRP developed a tower design and a nearby line in the 1980s that wouldn't further obstruct views from the property.

10 ANAHEIM, CA

Got the star treatment in Anaheim, including a tour of Anaheim Public Utilities' downtown substation, a stylish brick structure with architectural details taken from the city's old electric generation plant built in the early 1900s. I also met some of the field personnel on a tour of the Edwards Utility Center. During lunch at Anaheim's headquarters with utility staff and senior management from the Southern California Public Power Authority, Dukku Lee, Anaheim's general manager, and I did an "Inside the Actor's Studio" interview — complete with James Lipton-style index cards.

Enjoy more from Sue's travel diary at www.PublicPower.org/people/sue-kelly

RECRUIT LOCAL: THE NEXT GENERATION IN THE UTILITY WORKFORCE

BY NIDHI CHAUDHRY, CONTRIBUTING WRITER

Many utilities are faced with an aging workforce that is beginning to retire — taking decades of institutional knowledge with it. The problem is even more acute for small utilities that serve fewer than 5,000 customers and operate with a small number of employees.

Smaller utilities feel an outsized impact when someone leaves, as each employee often fills multiple roles in the utility.

To prepare for the future, some utilities are trying innovative measures to recruit and retain the next generation of workers — taking advantage of the unique aspects of their location, size and culture to do so.

> "The younger generation wants to feel like they're seeing the bigger picture and contributing to the decision-making process, regardless of whether they've been there five months, five years or 15 [years]."
>
> **DANETTE SCUDDER**
> EXECUTIVE VICE PRESIDENT, MEMBER SERVICES AND STRATEGIC RELATIONS THE TENNESSEE VALLEY PUBLIC POWER ASSOCIATION

ATTRACTING LOCAL TALENT

"Back in the '60s and '70s, it was cool to work for the power utility — those were often the most stable, best jobs in town — so the pool to draw from was larger," said Carol Brehm from Nebraska Municipal Power Pool, which represents more than 60 small to midsize utilities. "Now, kids go off to college, [and] there's not a lot to bring them back to rural communities."

Part of the challenge in recruiting the younger generation is its lack of awareness about electric utility opportunities, according to Danette Scudder, executive vice president, member services and strategic relations at the Tennessee Valley Public Power Association.

"For the past 30 years, our education system has focused on a minimum four-year degree instead of more hands-on skills, like line work, that may not require as much time in a formal, higher education setting," she explained. "To counter, many smaller utilities have undertaken campaigns to get into the local school system or regional community colleges, to make local students aware that there are stable, well-paying (at least within the small community) careers in the electric utility industry, if they want to stay in the area."

The city of Pierce, Nebraska, has a symbiotic understanding with nearby Northeast Community College's two-year lineman degree program. Rich Eymann, electric superintendent in Pierce, recalled how he turned to the college program to help rebuild a line, which helped introduce the students to the public power utility and give them a sense of the work it does. In turn, instructors in the program keep a lookout for promising local students that can join the utility as apprentices or interns.

"I go with hometown kids who don't want to go anywhere because they're going to stick around, they're not going to look outside of the rural area," explained Eymann. "And we do pay pretty good for it being a small town."

APPEALING TO THE NEXT GENERATION

Millennials are on track to make up 50 percent of the U.S. workforce by 2020 and 75 percent of the workforce by 2025. Close behind them, members of Generation Z are starting to graduate from college and are joining the workforce.

Just as workers belonging to the baby boomer generation helped to shape the current culture and values of what is now perceived as the traditional utility, the emerging workforce can help shape the culture of the utility of the future.

Small public power utilities can offer an environment that resonates well with the values of some members of the emerging workforce. For example, workers might be eager for careers that offer opportunities to grow and be challenged; they might want flexibility with scheduling and work location; they might look to be involved in strategy, not just told what to do; and they might want to do work that is socially conscious or that allows them to give back to their community.

This last trait in particular presents an opportunity for public power utilities to shine. "There's no better definition of an entity that's about giving back to the community than a public power utility," said Scudder. "But historically, public power utilities haven't focused on self-promotion or made a concerted effort to highlight our fundamental value to the community, so most customers don't think about a lineworker as a type of first responder, which they are."

The remote location of many small utilities, usually thought of as a hindrance in attracting talent, can be an advantage, as Tennessee's Erwin Utilities discovered.

"We're settled in the mountains, the Appalachian Trail runs right through the town, there's a lot of culture here, and one thing we joke about is that 'no one around here plays golf because everybody is too busy hiking and camping,'"

shared Lee Brown, general manager at Erwin Utilities. This has proved useful as it attracts younger, non-local talent. "Millennials want to move for that authentic feel, and that's something that we can offer here." Erwin modified its policies to provide flexible paid time off and ensure a better work-life balance for employees.

A larger culture shift might be required to attract millennials and members of Gen Z, one that smaller utilities have been slower to adopt.

"To some extent, there's still a more top-down, traditional mindset in the dynamics between manager and employee, rather than being team-centric," explained Scudder. "The younger generation wants to feel like they're seeing the bigger picture and contributing to the decision-making process, regardless of whether they've been there five months, five years or 15 [years]."

Much of the focus right now, across the industry and within smaller utilities, is on utilities reinventing themselves through the way they engage with technology and their customers. Managing the workforce is an important part of that endeavor.

"You can't engage with customers and keep up with technology if you don't have a stable and well-prepared workforce. Internal processes, practices and perspectives need to be given equal attention," said Scudder. "If you take care of your workforce and have the right people on your team, then it's going to be easier for you to adapt to the changing external environment."

PAYING COMPETITIVELY, ALLOWING FOR GROWTH

Retaining talent can be a challenge for small utilities. Experienced linemen especially, explained Scudder, get hired away by utilities that pay more or provide better growth opportunities.

Smaller utilities can be hampered by their revenues, as they serve a smaller customer base with limited opportunity to bring in new customers and businesses. "Sometimes that means having a hard conversation with your board," urged Scudder, because the constant

Becoming a better organization makes the utility more attractive to job seekers.

cycle of hiring, training and losing lineworkers is expensive.

A high turnover rate means having to devote already scarce resources to repeatedly training apprentices, not to mention dealing with the safety implications and related insurance implications. "One of our smaller utilities realized that if they took the money they were losing in retraining apprentices and used it to increase linemen's minimum salaries, they would be more likely to retain them," explained Scudder.

Lack of career advancement opportunities is another reason smaller utilities lose experienced people. "In a small utility with one line crew of four guys, there are limited growth opportunities unless they want to get out of line work," said Scudder. "If you're at a larger utility, then there's a higher, longer chain for you to climb."

Some utilities are solving this problem by identifying different ways for their employees to find personal and professional growth. They are encouraging staff to cross-train, engage in community organizations and decision-making, to broaden their horizons outside their job descriptions, and become cross-functional, explained Scudder. "The younger generation sees this as an investment in them, and that makes them more committed to the organization, rather than if they felt like an expendable cog in the wheel."

FOCUSING ON EXCELLENCE

Erwin Utilities, which experienced several retirements over the last eight years but is now settled down concerning turnover, turned the talent challenge into an opportunity to attract new and more-skilled employees. How? By focusing on improving themselves.

"We engaged in the Baldrige Excellence Framework, through the Tennessee Center for Performance Excellence, to try to move our 70-year-old processes into something more defined, with technology and automation," explained Brown. Through the exercise, the utility examined its strategy, leadership, customers, workforce, data management and processes, identifying gaps and ways to work on continually improving.

Becoming a better organization makes the utility more attractive to job seekers. "Let's say you're a top person at your retail job, and you've got two opportunities — one with Walmart and one with Kmart," said Brown. "As a top guy, you're going to pick Walmart because they're doing well, they're growing, they're getting better. So, as we're preparing ourselves for the future and improving, that getting awards, that in itself attracts people."

Focusing on excellence has also helped Erwin Utilities gain efficiency and do more with a same-sized workforce. "To employees, both existing and potential, this demonstrates that, despite their size, Erwin Utilities is going to be pushing the envelope and always looking for ways to do things better," said Scudder. "It's a rare exception that someone doesn't want to be a part of such an environment."

SHARING WORKERS

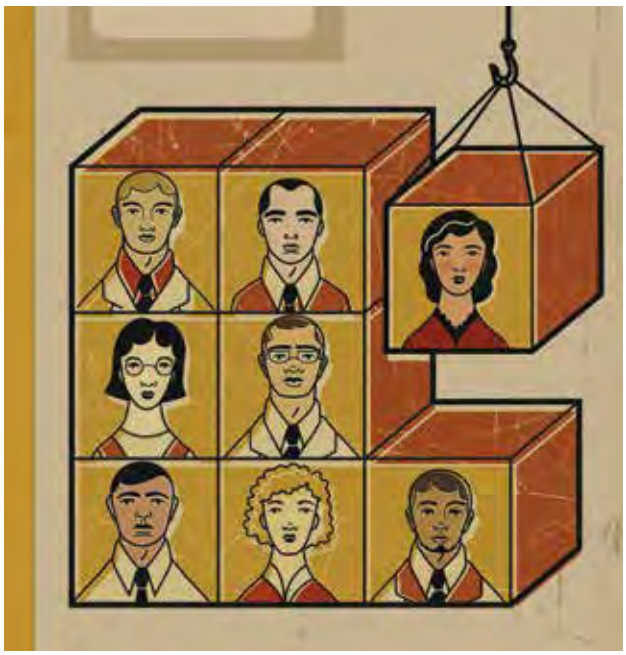
In the face of a workforce shortage, some small utilities are banding together to share employees (and inventory and equipment) and continue to serve their communities while keeping costs low. The cities of Pierce and Battle Creek in Nebraska are two such examples. "Both lie outside Norfolk, as bedroom communities of people that live there but work elsewhere, and we're both about the same size, serving about 500 meters," said Eymann, who is in discussion with the Battle Creek community about ways the two communities might work out governance and cost-sharing for the labor force.

Missouri River Energy Services' Distribution Maintenance Program is a similar workforce- and equipment-sharing initiative that has been running since 1997 to help smaller utilities that have always had it tougher.

"We started the program because some of the smaller MRES members were having trouble competing with nearby larger utilities in attracting and retaining lineworkers," recounted Joni Livingston, director of member services and communications at MRES. It now provides full distribution services to five members. "We have one distribution system superintendent, for example, that oversees all five of the full-time program members, instead of each of them having to hire a line superintendent. Also, they can keep their staff to a minimum because they know they have support from the other communities, in case of an outage or a special project."

The program is designed such that the labor force comes under MRES but member utilities retain ownership of the equipment, to ensure that the utilities can leave the program, if they want, without incurring a huge capital cost.

Interest in the program has spiked in the last few years, prompting MRES to offer different levels of service, from sporadic on-call and standby assistance to temporary help with a one-off project, in addition to management services. "Any group of utilities could get together, develop an arrangement, figure out insurance, liability and that sort of thing, and have a contract that spells out all the duties," said Livingston. "We would be willing to share our template with anyone who's interested."



In the face of a workforce shortage, some small utilities are banding together to share employees

How many people work at a public power utility?

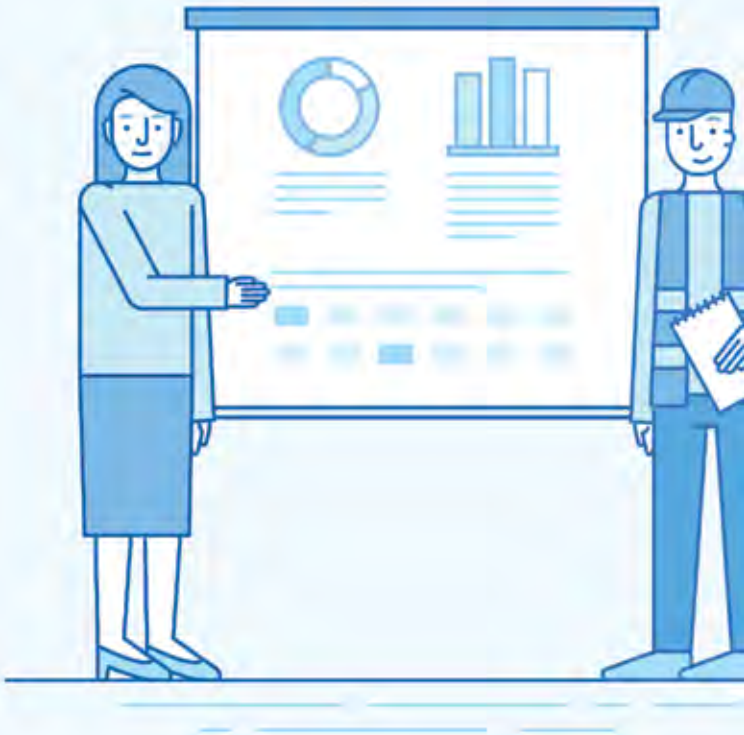
The median number of employees at public power utilities that serve ...

... fewer than **2,000** meters is **4.**

78% of utilities have **5** or fewer employees.

... between **2,000** and **5,000** meters is **9.**

Almost half **(47.4%)** of utilities have between **6** and **10** employees, and about one third **(31.4%)** have between **11** and **25** employees.



... between **5,000** and **10,000** meters is **19.**

58% of utilities have between **11** and **25** employees.

= **10** employees

#PublicPower @PublicPowerOrg

Source: American Public Power Association and Energy Information Administration

... between **10,000** and **40,000** meters is...

60 for utilities with generation

42 for utilities without generation

... between **40,000** and **100,000** meters is...

236 for utilities with generation

148 for utilities without generation

... more than **100,000** meters is ...

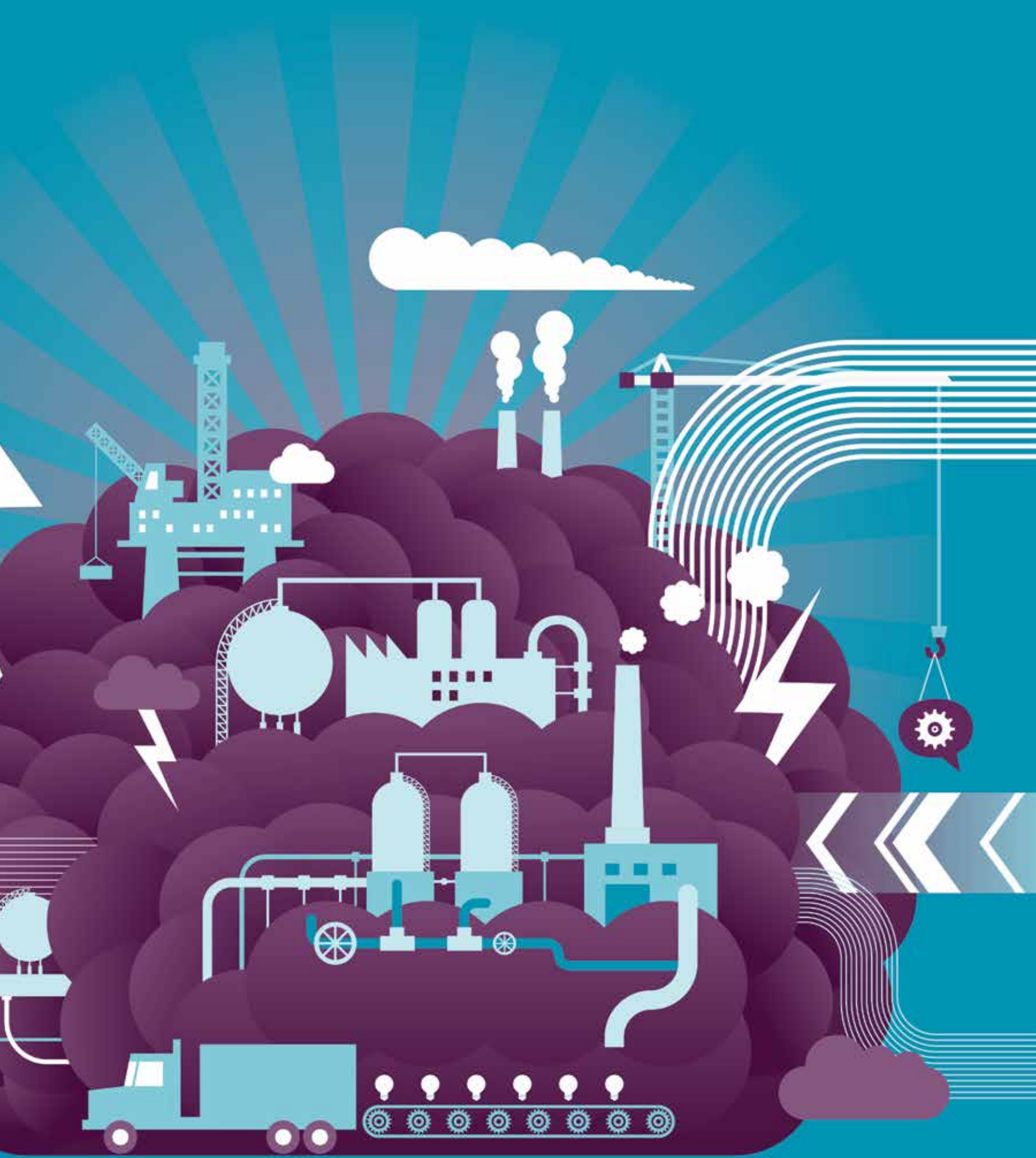
968 for utilities with generation

408 for utilities without generation

SMALL TOWNS THINK BIG ON RELIABILITY

BY SUSAN PARTAIN, SENIOR EDITOR AND CONTENT STRATEGIST, AMERICAN PUBLIC POWER ASSOCIATION

From turning around an aging system to building for growth, smaller utilities share what it means to be reliable electricity providers for their communities.



The reduced man hours during outages, reduced loss of revenue from power outages, and reduced line loss save the utility about $250,000 a year.

TAKING ADVANTAGE OF OPPORTUNITIES TO UPGRADE

When Raymond Barnes took over as general manager of Benton County Electric System in Tennessee, he said the utility was broke, and the system, which consisted of about 1,400 miles of line, was in bad shape.

Barnes has been at Benton County Electric System for more than 40 years. "Having worked here for so long, as a lineman, line foreman [and] operations superintendent, I knew the system and knew a lot of what it needed." But the utility didn't have a great engineering department to lay it all out, he noted.

Before taking on his current role, Barnes convinced the then-general manager to hire an outside firm to conduct a comprehensive system study. The study's findings provided a number of recommended improvements — and a hefty estimated price tag of several million dollars to implement all the changes.

Although at first daunted by the work, Barnes said that the utility took a step back and looked at what it needed most, which was an updated supervisory control and data acquisition system. Putting in the system meant the town needed to have fiber cable. He worked out a deal with a company that was seeking to install fiber in the Tennessee Valley and established some additional revenue for the utility to monitor the line.

"They did all the splicing. At the time, I didn't have a splicing trailer or anyone who knew how to do it … so we trained our line crew to do it, and they got really good at it," said Barnes. "Having the fiber allowed us to change out the relay and update our substations. [And then] we could update our SCADA system."

The deal also established a model for how Benton County Electric System, which serves around 10,500 customers, could lease the cables to other companies, which started to bring in a return on the project investment. Another opportunity came when Waste Management Inc. approached the utility about a project that would tie into the system and included several improvements that were in the study. The company paid for the line and the related system improvements, which cost about $1 million.

From there, Benton County Electric System was able to tackle the remaining recommendations one by one. "A lot of what we did is … tied all of the substations together, so if you got hit in one area, you could still feed off one substation or another. That made a big difference," said Barnes. He noted that the utility has also put in a substation switch that could swap hot if needed, which allows for doing maintenance and upgrades without interrupting service.

Barnes noted there were many areas where improvements led to savings. "We started having a lot better reliability. When [storms] might have been a four- or five-day event to get [the power] back on, now it is down to a couple of hours for us to get it back on." He estimates that the reduced man hours during outages, reduced loss of revenue from power outages, and reduced line loss save the utility about $250,000 a year.

"Although it looked kind of bleak at first, we got a couple of lucky breaks that helped us get started. And then one thing led to another, and we just kept working on it, and we're where we are now," Barnes said.

PREPARING FOR SMART GROWTH

The village of Jackson Center, Ohio, has a population of about 1,400 residents, and just as many people who come into town daily to work. The town is preparing for a new factory and subdivisions to house the added workforce, plus new restaurants and stores to serve the growing population. Bruce Metz, village administrator for the Jackson Center Municipal Electric System, noted that the utility created a five-year plan to help the distribution system infrastructure keep up with the growth.

"Our big deal is reliability. And with reliability comes your upgrade of infrastructure," shared Metz. "We had heard about [the Reliable Public Power Provider (RP3) designation], but we didn't think much about it because we're small. So, we thought 'let's just do it,' and then use that to benchmark what we're doing and how it is in line with everyone else."

"It was a lot of the obvious stuff that we knew we needed to do but hadn't thought of because we're small, such as succession planning," Metz said.

The American Public Power Association's RP3 program recognizes utilities that demonstrate high proficiency in reliability, safety, workforce development and system improvement. Criteria within each of the four RP3 areas are based on sound business practices and recognized industry-leading practices.

Jackson Center did not receive an RP3 designation on its first try. After going through the process, the utility started testing poles and meters regularly, and it hired a firm to do monthly line readings and identify fixes and priority maintenance.

"I'd rather fix during the day when it is 80 degrees and sunny rather than when it is storming," said Metz. "Our electric guys love finding the weak spots and fixing them. They don't dwell on the loss of overtime."

Last year, Jackson Center, which serves just under 800 customers, switched its customers to

> **"I'd rather fix during the day when it is 80 degrees and sunny rather than when it is storming..."**
>
> **BRUCE METZ**
> VILLAGE ADMINISTRATOR
> JACKSON CENTER MUNICIPAL ELECTRIC SYSTEM

smart meters and made an effort to go out and educate customers about the benefits of peak shaving. Metz noted that their efforts paid off, ultimately saving the utility about $127,000 in costs associated with peak loads, which is about what the village pays monthly for the electric bill.

The utility reapplied and received the RP3 designation in 2017.

"It has been a nice learning curve for us. The more we can learn, the more we can improve our system," said Metz.

A RELIABILITY WAKE-UP CALL

About a year ago, a fire broke out in a substation in Wellington, Kansas. "We had to run our generator for about 100 hours while we were trying to replace the breaker," recalled John Bales, electric distribution supervisor for the city of Wellington. "That gave a clear example to our city council that it was time to get something done."

The Wellington Public Utility Department serves about 4,300 meters, which includes an airport to the north of the city and some manufacturing facilities that specialize in making aircraft parts. "When we get a blink or have issues, it adversely affects them. We got together to look at what we could do to change that," said Bales.

The generation plant is in the southwest part of the city, and the circuit that originally served the airport went right through town — with all the vegetation, buildings and animals that could cause disruption.

Following recommendations from a system study conducted in 2007, Wellington has almost completed a project to create four main local circuits, which involved building a substation, putting some lines underground and creating feeder lines to the airport and each part of the city. When the project is complete, the utility can transfer some of the load to the north substation, which reduces the exposure of some of the lines going through the city. The changes also allow the utility to place its entire load on either substation if necessary, or to perform maintenance.

Wellington was recently recognized with an RP3 designation.

"I've come to the conclusion, going through RP3, that we basically grade ourselves in terms of what we could do, to learn and organize better. There are a lot of things that we took from the RP3 application process," said Bales. "We spent a little time on it, look back on it, and it was probably things that we should have been doing that we're doing now. It gave me an idea of where we are in comparison with other utilities."

EMBRACING THE CHANGING CUSTOMER

According to Kevin Westhuis, utility director at River Falls Municipal Utilities in Wisconsin, two things make for a reliable utility: the right hardware and equipment to function as a utility and outstanding customer service.

In terms of hardware, River Falls makes sure to keep up with trends in technology, from SCADA systems to smart meters. The utility just built a new substation and does a lot of cable replacement to keep the system updated. Westhuis noted that this technology is more advantageous for the community, as utilities can identify outages and respond more quickly to reduce outage times. River Falls Municipal Utilities serves just over 6,000 customers.

"Being a low-cost provider is not our number one focus; we want to be the best overall value. And our customers recognize that overall value is not always price," he said. "Our neigh-

> **"Whether we feel it or not, people are depending on us almost every moment of every day."**
>
> **KEVIN WESTHUIS**
> GENERAL MANAGER, RIVER FALLS MUNICIPAL UTILITIES, WISCONSIN

bor might cost a little less, but if they don't have this technology, then they aren't providing as much value to their customers."

"We're not always cutting-edge, but we're embracing the changing customer," said Westhuis. And that might mean being on social media to respond to customers, even from his phone at 3 a.m.

"Outages are never good. But when something bad happens, like an outage, I look at that as an opportunity for us to shine, for linemen to knock on doors and say hello. Now we're onstage, let's shine," said Westhuis.

"I like to tell my employees that we need to continually treat our customers like someday they will have a choice in their electric provider," he said. "And the beauty of that is — it takes a mindset, not a lot of money."

Westhuis shared how River Falls, which has an RP3 designation, had an average outage time of 97 minutes in 2017 and was 99.99 percent reliable. "Yet the thing the community notices most is the holiday lighting," he said. "We're doing all these great things that go unnoticed."

> **"It helps build confidence when you send your guys out and know they can get it done safe and get it done right."**
>
> **JOHN BALES**
> ELECTRIC DISTRIBUTION SUPERVISOR
> WELLINGTON PUBLIC UTILITY DEPARTMENT

THE RELIABILITY ADVANTAGE

As emphasized by Westhuis, a utility's reliability often comes down to customer perception.

"[Customers] can't remember when the last outage was — and they can't remember when we last did a rate increase," noted Metz.

"Timing is a big thing for us. We don't want to wait a half hour to see what's wrong. With employees living in town, they can be there right away," said Westhuis. "And for the businesses that we have, they are happy about the quick response and keeping the lights on for them."

Barnes, of Benton County Electric, talked about how having advanced metering infrastructure has given customer service representatives many tools to work with when interacting with customers, which has helped improve the utility's customer service.

Wellington employs two master electricians and two journey linemen, who were able to do all the line building for the recent upgrade.

"It's kind of nice to have your hometown people do your hometown stuff," said Bales. "We work on a wide variety of projects — if it's got electricity to it, we usually work on it. It helps build confidence when you send your guys out and know they can get it done safe and get it done right. And it saves us money. I can't imagine having outside guys come in."

Utilities can also draw on the support from other public power communities.

"You get relationships with people in other towns; they are doing the same things you're doing. If you're having a problem, and you throw that out and talk to your fellow communities, there's always somebody around if you need help and reach out," he said.

THE PUBLIC POWER MINDSET

Public power leaders noted the importance of having the right people working for the utility, saying it makes all the difference.

"I'm pretty ramped up about our electric system. I love making it work for the people of our town," said Metz.

"We're not only selling a job, we're selling a community and a lifestyle. We acknowledge that we don't always pay as much as an IOU, so we have to sell the community," noted Westhuis.

Barnes echoed the importance of having employees dedicated to the utility's mission and values. "This is not something that sits there and does it by itself," he said. "The first thing our employees do when they come in is to check to see if the meters are reading healthy and see if we need to go out and fix anything. It allows us to do the right thing."

"We are in an industry where we help sustain life. Whether we feel it or not, people are depending on us almost every moment of every day," noted Westhuis. "We should all feel privileged to be able to work in an industry where we are able to provide the services that we do to our communities."

How to Improve Network Reliability with a Capital Efficient Strategy

Community-owned municipalities face the complex challenge of balancing a tight budget and maintaining high safety standards, all while providing customers with reliable service at affordable rates.

Our communities' aging infrastructure cannot be replaced all at once. There is a need to develop capital-efficient strategies to maintain underground electrical reliability for short and long-term demands. Suppliers need to partner with utilities to develop asset management programs, and make it easier to prioritize projects and optimize capital.

No electric utility ever wants their power to go off. The management of aging cable infrastructure is mainly centered on addressing faults and cable replacement. However, cable rejuvenation is a viable, and often ideal, option for electric utilities to consider. Cable rejuvenation is the technique of injecting fluid into the strands of medium-voltage power cable, modifying the chemistry of the insulation, and restoring it to better-than-new performance. Much of the industry still thinks cable rejuvenation is too good to be true; rejuvenating cable can restore it without tearing up the ground and surrounding area, while offering a 40-year warranty. The technology works, and has worked for decades. Early adopters of the patented approach have been very successful at keeping the power flowing to those who depend on it, across the U.S. and Canada.

One factor that is driving this adoption is favorable budget treatment of rejuvenation expenses. The Federal Energy Regulatory Commission has noted that a utility may capitalize the cost of installing injection rehabilitation products, provided that the product is used to extend the useful life of its segments of URD cables beyond their original estimated useful lives. This is one of several opportunities available to utilities when budgeting asset management. More and more utilities are sharing their experiences with colleagues to create effective asset management programs.

Salt River Project is one example of a municipal utility leveraging the economics of cable rejuvenation. Rick Hudson, engineering supervisor at Salt River Project, notes, "We have a five-year break-even point on cable rejuvenation being a benefit cost-wise to SRP versus cable replacement. So once we've actually exceeded five years we were actually making money for SRP on our cable rejuvenation and we've definitely seen cables segments far exceed that five-year threshold. Since we now adopted the new Novinium practices we are seeing failure rates less than one percent."

Community-owned utilities are looking for ways to enhance their infrastructure reliability and performance, while controlling expenses. It's important that they talk to one another to share their experiences and strategies to ensure that they can continue to provide reliable electrical service as our nation's appetite for electrical consumption continues to expand.

Novinium is working to create ongoing relationships with customers year to year, going beyond just reactive rejuvenation to proactive rejuvenation to improve the health of aging cable before it goes bad. For instance, St. Charles Municipal Electric Utility implemented a rehabilitation program comprised of cable rejuvenation and replacement as the best method to improve reliability while maximizing their investment. Prior to this project, St. Charles recorded a total of 66 failures in the affected areas. In the first five years after completion, the utility experienced a 96 percent reduction in faults. Additionally, this approach saved the utility about two-thirds of what they would have spent on replacement alone. To be proactive, St. Charles has expanded their rehabilitation program to include subdivisions that have never experienced a failure.

As utilities begin to implement their plan for the fiscal year, a capital-efficient strategy for cable rehabilitation can offer more flexibility for new projects, free up precious lineman resources, and allow more rehabilitation to be completed in that budget year. A shift to increase utility rejuvenation budgets will not only benefit in the short term, but achieve greater overall reliability and rehabilitate our nation's aging infrastructure to the level of performance that life in the modern world demands.

Now is the time to evaluate your utility's asset management plan and the amount of cable rehabilitation that you are able to achieve on your budget. Talk to a Novinium specialist to see how rejuvenation can reach your reliability goals in the most capital-efficient way. To learn more, visit novinium.com.

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SMALL UTILITY LEADERS DON THEIR SEVEN HATS EVERY DAY

BY DAVID BLAYLOCK, SENIOR MANAGER, AND **MEENA DAYAK,** VICE PRESIDENT, INTEGRATED MEDIA AND COMMUNICATIONS, AMERICAN PUBLIC POWER ASSOCIATION

The American Public Power Association's annual Larry Hobart Seven Hats Award recognizes managers of small utilities serving fewer than 2,500 meters who have lean staffs and must assume multiple roles. Public Power Magazine talked to a few of the award recipients from recent years to understand how they juggle multiple responsibilities and to get their advice for other public power leaders.

THE SEVEN HATS THAT SMALL UTILITY LEADERS TYPICALLY WEAR ARE:

JOHNNIE BURNS:
Passion for the job, not a paycheck

In the welcoming village of Yellow Springs, Ohio, no one is a stranger and no visitor is "judged for who they are," said Johnnie Burns. Picture lush landscape — hiking and biking trails wind through the community — bordering the John Bryant State Park, bike racks outside every business establishment, free electric vehicle charging stations and a marked absence of fast-food chains. It's a community that's all about the environment and proud to get 88 percent of its electricity from renewable sources.

Burns has been running the electric and water distribution — serving 2,200 meters — at Yellow Springs for four years now. He also is the acting head of streets, parks and recreation, sewer, waste collection, and facilities.

"I have a small team with a big job," said Burns. His cross-trained crew of four lineworkers takes care of electric and water and reads meters. Burns himself is also hands-on to ensure that the village runs as smoothly as possible. He can recall a few instances when power outages and water main breaks occurred simultaneously, causing the team to scramble to restore critical services.

On the electric side, the village has two circuits and 30 miles of overhead and three miles of underground distribution lines. Since Burns took charge, many large projects have been completed. He has had nearly 70 electric poles replaced, installed a 1-megawatt solar station, and assisted in building a new water treatment facility and two-mile water line system. LED streetlights have been installed, a downtown streetscape completed and utility services extended to a new central business area just outside the community that includes a medical marijuana facility.

Burns wants to be proactive, not reactive, but he knows he can't "snap his fingers and get it all done." He must plan and budget well in advance. His priority is safety — it's expensive but, he points out, you can't really put a price on it.

Given limited resources, the electric utility struggles to keep up with technology. Yellow Springs also has faced considerable challenges in recruiting and retaining lineworkers. The village has had just six applicants in four years, laments Burns. Multitasking is not appealing to everyone — lineworkers also have to take care of water, help with city maintenance and put up holiday decorations. And they don't get paid as much as they would by the investor-owned company up the road, where they just have to do electric. But when they work for Yellow Springs, they can stay in the community, have a regular schedule and be home with their families most evenings.

There are different challenges every day, but Burns would not have it any other way. When someone calls him at 2 a.m. for an emergency, he sees it as another opportunity to give back to the community he loves.

Burns believes the utilities have been able to sustain local control of power and water because they listen to the community. "People know us — we're literally in their backyards."

Social media plays an important role in utility communications, Burns says. Facebook helps the utilities find out about problems quickly and share how they're being resolved. The Village has a Facebook page where Burns can post during outages.

While Burns appreciates the advantages of "small community, small staff," he knows the utilities need a go-to source for help and resources in many areas — such as safety, training and new technologies. Their membership in American Municipal Power — the joint action agency — and the American Public Power Association provides the go-to. Burns notes in particular that the Association's eReliability Tracker, an online outage tracking and benchmarking tool, has been very useful to Yellow Springs.

What advice does Burns have for his peers and successors? "Have a passion for the job, not the paycheck," he counseled. Be prepared to work long and hard, he added — so you can make a difference.

RON CLODFELTER:
Tighten your seatbelts and enjoy the ride

The town of Las Animas in Bent County, Colorado, has important ties to the historic Santa Fe trail, a vital 19th century commercial highway. The town has preserved its history and attracts visitors to two important hubs on the trail — Bent's Old Fort and Boggsville.

Ron Clodfelter has worked for the city for 36 years, the last eight in the electric utility. The electric industry is not the same as it was three decades ago, he said. Despite many challenges, he has sustained community-owned electric service for the 1,600 meters the utility serves.

One of the utility's biggest challenges has been retaining knowledgeable staff. A rural electric cooperative that borders the community and an investor-owned utility that is a half-

hour drive away both offer higher salaries. One way Las Animas has countered this threat is by providing training and apprenticeships to its staff through a Department of Labor program. The training paves the way for the municipality to pay higher salaries and ensures improved worker safety.

In addition to working with his small staff to maintain services, Clodfelter is responsible for compliance with state and federal regulations. He serves on the board of their joint action agency, the Arkansas River Power Authority. He is an active member of the Colorado Association of Municipal Utilities and the American Public Power Association.

Clodfelter is a staunch advocate for public power. "I constantly preach the muni advantage — of dollars staying local," he said.

Las Animas faces major infrastructure challenges. Its principal feeder line, which was built in 1960, will cost $2.5 million to rebuild. Three of its largest generators are from the '50s and '60s and will cost $750,000 to retrofit. Clodfelter is working with the city mayor to plan this funding, most likely through the issuance of municipal bonds.

Clodfelter has other concerns about the future of his utility. Because Las Animas is a distressed area, he has seen declining electricity sales as people have relocated. Rates have caused some customers to complain. And he wonders how the growth of renewables might impact the grid.

However, "turbulence" is not new to Clodfelter. "Keep your eye on regulations, tighten up your seat belts and enjoy the ride," is his advice to other leaders.

GREG DUMARS: Up for the challenge

In Lindsborg, Kansas — a tourist town of 3,500 people founded 149 years ago by Swedish immigrants — it's all about community. Greg DuMars was born and raised in Lindsborg. He left for 10 years but came back

for family, a good education system and strong community support.

DuMars oversees the town's electric, water, stormwater and recreation functions in addition to general government and municipal courts. He describes himself as someone who knows a little about a lot. He has been on the job for 19 years now and has a business and public administration background. He spends about 25 percent of his time on the electric department.

On a daily basis, his job is to "communicate, motivate and get things done," said DuMars. While he has very good department heads who make it easier for him to juggle his many responsibilities, he does not hesitate to get his hands dirty. Adaptability is the name of the game as he moves between multiple topics each day. DuMars has thrived on the job because he is someone who appreciates a challenge and has a passion to enhance the quality of life in the community.

When the state Legislature is in session, DuMars is also tasked with "staying on top of bills." He is on the executive committee of the Kansas Municipal Electric Agency, the joint action agency from which Lindsborg buys wholesale power.

Lindsborg has the capacity for four full-time lineworkers but currently employs just two — the lineworkers have to be cross-trained to take care of water issues in addition to electric. The town has to compete for lineworkers with nearby investor-owned and cooperative utilities that offer higher wages. But Lindsborg offers strong community values and flexibility on the job — lineworkers know they will be home with their families every night.

The city is short-staffed overall. "I would like more staff to accomplish more," said DuMars. And he would like to recruit more millennials, who he knows are drawn to public service. He himself enjoys wearing many hats, as that results in fewer competing interests and helps him better appreciate the relationships between the departments that care for the community.

DuMars places a high value on Lindsborg's membership with Kansas Municipal Utilities and the Association. "They help us track legislative and regulatory issues and advocate for us. They give us a voice we wouldn't have on our own," he explained.

In thinking about leading the electric department into the future, DuMars draws lessons from larger utilities and their successes and failures. "We have to tiptoe in. If we start with a deep dive, it could be catastrophic," he predicted. For example, Lindsborg is looking at advanced metering infrastructure but would like to pilot and evaluate a program before wide-scale implementation.

What advice does DuMars have for others like him who wear many hats to care for their communities? He is a strong advocate of strategic planning — for three to five years at a time — to guide the allocation of efforts and resources. He counsels colleagues to avoid getting bogged down by small daily interruptions. "Learn how to prioritize," he said.

SHAWN GUIDICE: In the trenches

A small, historic community nestled on the bank of the Ohio River, Rising Sun, Indiana, was for many years a stop for boats traversing the river between Cincinnati, Ohio, and Louisville, Kentucky. Today, Rising Sun continues to enjoy all the opportunities afforded by proximity to a major river, including a resort and golf course connected to its riverboat casino.

This is where Shawn Guidice calls home and where he gives back to his community of 2,000 residents as utility superintendent for Rising Sun Municipal Utilities.

Guidice came into the position with a little luck and some great timing. "I was getting ready to retire from the U.S. Army and put in my resume for a different position at the city," he said. "A couple days later, I got a call from the utilities superintendent asking me to come by and talk to him. It turns out he was getting ready to leave and recognized some potential in my resume. A couple days later, I was interviewing with the Utility Service Board, and then a couple days after that, I was hired. I'm still amazed how it all fell into place."

Coming in without a city management background made Guidice realize he had to learn and grow. He never holds back from asking questions of staff experts and colleagues to ensure his office remains ahead of the curve. This has repeatedly proved useful when tackling major projects, including the current major investment of updating the city's electric, water and wastewater infrastructure.

For Guidice, no part of his job comes close to his love of being out in the field with his crews. He says he is always trying to get into the trenches — literally and figuratively — with his employees to execute any major work that needs to be finished.

"I don't care if I have to jump into a hole full of water, rain pouring down on me — I want to be right in there with them," he said. "The office isn't where I'm most comfortable, it's being out there with the guys. With a small staff and limited resources, it's incredibly important to me that I am there to do my part and help out any way I can."

"It doesn't matter if it's a power outage or routine maintenance, I want to be right there with them. I may be the superintendent, but I cannot ask them to do something that I'm not willing to do myself."

DAVE SLEZICKEY: It's all about the team

Historically a ranching community in the heart of Oklahoma, Kingfisher has seen its identity shift in recent years as Oklahoma City's border has expanded closer and closer to its own and oil and gas have become the big moneymakers for the area. But that shift in character has not changed the community-oriented virtues that Kingfisher residents value, says City Manager Dave Slezickey.

"We're almost rural but not out in the middle of nowhere — it's a really good balance," he said. "It only takes 40 minutes to get to Oklahoma City, and it almost seems like the metro area is getting closer each day."

Slezickey oversees the water, wastewater and electric operations for Kingfisher. The six-person electric staff works hand-in-hand with him to keep the lights on for residents and serve as valued members of the community.

"It goes to our rural values that everyone works together here," he said. "Volunteering is such a big thing for us, and we enjoy helping out where we can. It helps that we have a city council and mayor that empowers us to play our part in keeping Kingfisher vibrant."

When he learned he was receiving the Association's Larry Hobart Seven Hats Award last year, Slezickey said that the seven core job functions reflected in the award — planning and design, administration, public relations, field supervision, accounting, human resources, and community leadership — only skimmed the surface of what he and other small utility managers do in a given day. "Only seven! I can think of five more we are constantly having to work on," he remembers joking.

"It was humbling to receive that award, and I could run down the list and see many ways in which teamwork has made me look good," he said. Slezickey takes pride in all that he's able to help his team do to succeed.

Of all his duties, he says, he takes the most pride in field supervision. Not content to sit in an air-conditioned office all day, Slezickey prefers to get out at every opportunity to visit with his crews in the field and talk through issues directly with his department heads as they tackle various priorities.

"They are the ones out there making all this work, so I want to ensure they know that I'm always there to get the resources they need to do their job better and easier."

"In a small community, people think that because you are the city manager, you have all the answers. It's far from it. You might be great at identifying all the problems, but you need your team and your community to find the right solutions to them," he said.

"You might have a small staff that is juggling many different priorities at one time, so you have to be able to rely on not just them but also your peers, colleagues and policymakers to develop goals and really work out ways to achieve them."

SWEET HOME PUBLIC POWER

Glenwood Springs, Colorado

BY SUSAN PARTAIN, SENIOR EDITOR AND CONTENT STRATEGIST, AND **SHARON WINFIELD,** LEAD DESIGNER, AMERICAN PUBLIC POWER ASSOCIATION

If you've been to one public power community, you've been to one public power community. From historic firsts to famous residents, there's much that makes the cities and towns served by public power unique. Take a look at some fun facts we found. Then share what makes YOUR community special on your social media — remember to use #PublicPower and tag us @PublicPowerOrg so we can find and share through the American Public Power Association channels.

Metropolis, Illinois, is the official home of Superman, with a Super Museum. The city hosts the annual Superman Celebration that draws thousands of visitors and holds a Guinness World Record for the largest gathering of people dressed as Superman. The greatest villain in town is the formidable weather. However, investments in distribution system improvements and training helped Metropolis fully restore electricity 48 hours after a tornado touched down one block from a 15-foot tall statue of Superman in front of the city's courthouse. "It takes a team of dedicated Supermen and Superwomen," said Metropolis City Counsel Rick Abell.

Photos courtesy Kevin Choate and the Greater Metropolis CVB.

Metropolis, Illinois

Aspen, Colorado

Photo courtesy City of Aspen.

Aspen, Colorado, is nestled at an elevation of 8,000 feet between mountains taller than 14,000 feet. The town was first electrified in the 1890s, when it was home to a booming silver industry. You know Aspen as one of the world's top ski resorts (No. 5, according to Conde Nast Traveler in 2017), but did you also know that it is one of the first cities in the U.S. to be powered with 100 percent renewable energy? The town of fewer than 7,000 year-round residents handles an average daily population of more than 20,000 people. And while its iconic ski slopes might not be accessible to everyone, its electric rates are among the lowest in the state.

Jamestown, New York

Jamestown, New York, is the hometown of Lucille Ball, a connection the city celebrates with an annual Lucy Fest each August. Volunteers from the Jamestown Board of Power and Light participate in the annual celebration, which brings more than 10,000 Lucy fans to town, including notable comedians such as Jay Leno and Jerry Seinfeld. The National Comedy Center, built on the site of a former substation, will open in spring 2018, making Jamestown a year-round destination for comedy..

Photo courtesy Jamestown Board of Public Utilities

Butler, Missouri

Butler, Missouri, has the distinction of being the oldest continuously operated public power system in the U.S. Lighting up its courthouse in 1881, Butler and its citizens were the first to have electric power in the state of Missouri — and anywhere west of the Mississippi River. The community refers to itself as "the electric city" and now serves the city's more than 4,000 residents.

Springfield, Oregon

Springfield, Oregon, has developed and dedicated two murals honoring local connections over the past decade. The first is the Official Simpsons Mural, which celebrates the Oregon roots of Simpsons creator Matt Groening. The cartoonist and city officials worked together for years to develop the mural, and Yeardley Smith, the voice of Lisa Simpson, presided over the mural's dedication in 2014. The second is a two-story mural that commemorates author Ken Kesey, a graduate of Springfield High School best known for One Flew Over the Cuckoo's Nest and Sometimes a Great Notion. The mural was dedicated in 2015.

Photos courtesy Springfield Utilities Board

Greenville, North Carolina

Greenville, North Carolina, is the den of pirates — the wreckage of the notorious pirate Blackbeard's ship, The Queen Anne's Revenge, was discovered off a nearby coast in 1996. The artifacts recovered from the ship, including 13 cannons to date, are being restored at a conservation lab at East Carolina University in preparation for eventual display in the North Carolina Maritime Museum.

Photos courtesy NC Department of Natural and Cultural Resources

Glenwood Springs, Colorado, boasts the world's largest hot springs pool and was a popular tourist destination in the late 1800s — part of its appeal was its novel use of electricity. Not only was it one of the first towns to bring electricity to its residents, it was also one of the first cities in the U.S. to be lit by hydroelectric power, starting in 1888. The hydro plant connected to a popular tourist attraction, the Fairy Caves, which became one of the first caverns in the world to be lighted by electricity. The Glenwood Springs Hydroelectric Plant building is one of the earliest hydroelectric plants still standing in Colorado, and it supplied some of the city's electricity for more than 60 years, until 1961.

Photos courtesy of the Glenwood Springs Historical Society

Glenwood Springs, Colorado

Alliance, Nebraska

Alliance, Nebraska, is home to Carhenge — a sculpture of 38 vintage automobiles placed to assume the same proportions as the famous Stonehenge in England. Carhenge's novelty draws more than 60,000 visitors from all over the world to Alliance each year and was a popular spot for thousands of people to gather to experience the total solar eclipse in 2017.

Knoxville, Tennessee

Knoxville, Tennessee, hosted the 1982 World's Fair, which was focused on the theme, "Energy Turns the World." The fair drew more than 11 million visitors over six months and featured exhibits from more than 20 countries. The fair's iconic Sunsphere remains a city landmark today.

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WASHINGTON REPORT

Infrastructure by the People, for the People

BY JOHN GODFREY, SENIOR GOVERNMENT RELATIONS DIRECTOR, AMERICAN PUBLIC POWER ASSOCIATION

Our communities deserve the quality of life and stronger economy that better infrastructure provides. That is why, in the last decade, public power utilities have invested nearly $100 billion in distribution, transmission and generation equipment needed to reliably deliver affordable electric power to 22 million homes and businesses in more than 2,000 communities.

These investments are made by state and local officials who are directly accountable to the people they represent. The investments they choose to make on their customers' behalf provide the electric power that keeps the lights on at home, computers running at work, machines operating at our factories and communications systems working for our police and fire departments.

State and local officials operating public power utilities focus on getting what their customers pay for — on time and on budget.

Public power utilities' first responsibility is to the community's residents and businesses — they have no shareholders looking at profits or rates of return. On average, the work and daily lives of public power utility customers are interrupted less often by power outages than that of customers served by investor-owned utilities. And when outages do occur, customers are without electricity for less time. That's less time worrying about how long food in the refrigerator will keep or, for businesses, waiting to serve customers.

As identified by the Trump administration and echoed in our communities, our national infrastructure is a top concern. Crumbling roads and bridges, struggling water systems and the like have residents worried. States and localities invested more than $2 trillion in these assets in the last decade and are on track to invest another $2 trillion over the next decade. However, federal policymakers have been reluctant to raise the taxes necessary to finance additional investments in federal assets, such as interstate highways. Likewise, there is increasing pressure to reduce direct aid to state and local governments.

In the absence of direct assistance, some federal policymakers see privatization as a fix. For example, if the federal government won't help repair a bridge, and the state can't or won't raise the taxes needed to do so, then a private company could take over the bridge and pay for the repairs by adding a toll. Such privatizations — if carefully negotiated — can shift economic risks from the state to the private operator. However, compensation for taking on these risks, plus the need to return a profit to investors means privatization tend to increase project costs.

Advocates generally avoid the term "privatization," instead preferring to use "public-private partnership." The latter is vague, but in this context generally means a long-term contract to maintain, operate, or make available a public facility. The distinction being that rather than receiving a one-time fee or short-term contract, the private operator gets a steady stream of revenue over the long run – generally over the useful life of the project.

We at the American Public Power Association strongly believe that the best investments are made when residents, not profits, are driving the decisions. We also believe that every community has the right to choose how it receives its public services. As a result, we adamantly oppose any effort to use the power of the federal government to try to tip those scales in favor of privatization.

As Congress develops a plan to update our infrastructure, we will oppose any effort that would create artificial incentives to privatize electric utility infrastructure – including the power marketing administrations that provide wholesale hydropower at cost to public power utilities and rural electric cooperatives. Likewise, any incentives for additional infrastructure investments should be available to governmental entities — including public power utilities — just as private-sector entities do.

We have nothing against public-private partnerships – in all their permutations. When public power infrastructure investments are financed with municipal bonds, they are literally financed by the private sector, although funded by the customers repaying those bonds. Likewise, when a utility buys power from a merchant generator or hires outside crews to help with construction or repair, it's a public-private partnership. Likewise, some public power utilities already have long-term arrangements with private providers to help in operation or management of their electric systems.

However, should policymakers choose to incentivize privatization of infrastructure, hoping to put profit ahead of the people, it is 100 percent certain that our residents, our businesses, our customers will pay the price.

GOING PUBLIC

DIY Horn-tooting: No Music Lessons Required

BY MEENA DAYAK, VICE PRESIDENT, INTEGRATED MEDIA AND COMMUNICATIONS, AND **SAM GONZALES,** DIRECTOR OF DIGITAL AND SOCIAL MEDIA, AMERICAN PUBLIC POWER ASSOCIATION

Being small is no excuse for being silent. Across the country, municipal electric utilities are realizing that it pays to toot their own horn. Whether you serve fewer than 1,000 meters or more than 50,000; whether you have a staff of five or 500; whether you've been in business for 10 years or 100 years, you must continuously educate the community on the unique value you offer as a public power utility.

Marketing yourself to your community is not rocket science. It's not even as intimidating (for us at least) as music lessons. Just grab that sheet of music, which we have ready for you, and toot away. With regular practice, you'll soon be a pro.

It's no longer business as usual for community-owned utilities such as yours. Challenges to the status quo are everywhere — not just in the form of buyout proposals from the neighboring co-op or investor-owned utility, but from third-party energy providers, corporate giants including Tesla and Home Depot, and even changing uses of electricity and evolving customer lifestyles. Touting your core benefits during good times helps to build the goodwill and community support you need during difficult situations such as prolonged outages, rate increases, declining load or takeover threats.

OK — you get that it's important to market your utility to your community. But where do you start? If you're already down that road, how do you up your game to use today's technologies and align to tomorrow's customers? Consider lessons from a few utilities that have "been there, done that."

Community pilot program

In 2017, the American Public Power Association executed a pilot program to help member utilities raise awareness of public power in their communities. We recruited nine small to midsized utilities from across the country and worked with them over eight months to understand their everyday realities and help them build a year-round communications plan using just the resources they had at hand.

At the start of the pilot program, we talked to participants to determine their communication needs and capabilities. They requested social media content, infographics, videos, radio public service announcements, bill stuffers, newsletter content, media templates and campaign themes covering such topics as the value of public power, energy efficiency, outage information, rates, customer service, bill management, and safety. With this input, we developed a content calendar for the year and sent resources and templates to participants each month with instructions for use.

We monitored the social media accounts of participating utilities to provide feedback on how to improve or optimize their posts. We held monthly calls to assess their progress, get feedback and encourage participants to share with each other.

Utilities participating in the pilot program agreed to measure success through social media metrics. At the end of eight months, we saw dramatic results in terms of increased audience engagement and awareness. We achieved combined 102 percent growth on Twitter engagements and 222 percent growth on Facebook engagements ("engagement" on social media refers to when people like, share or comment on something you post).

This year, we will roll out the lessons learned and resources developed through the pilot program to all our member public power utilities. A full suite of resources is already available at www.PublicPower.org — look for the Communication Templates under the red Members tab on the top right. A detailed small utility communications plan template — based on lessons learned from the pilot program participants — helps you navigate the resources and come up with a year-round outreach plan of your own. Here are five sample tips — download the full plan at www.PublicPower.org/Members/Communication-Templates.

Get social

Social media is not just for millennials and celebrities. It's where more and more customers go to get all their news and information, so it's where you need to meet them. Using Facebook, Twitter and neighborhood platforms including Nextdoor or Yahoo email groups is a good start. Instagram would be a great addition. Post at least two or three times a week (don't wait until there's an outage or you have a rate announcement) on each of these channels, and monitor and respond to comments every day. Show customers how your utility works behind the scenes, share energy-saving tips and tell people about the benefits you offer. Get ready-made content — images, videos and text — from the Association (www.PublicPower.org/Members/CommunicationTemplates).

The American Public Power Association thanks the following utilities that participated in our pilot program to raise awareness of public power, and we thank the state associations and joint action agencies that nominated them. Congratulations on a job well done!

Utility	Meters	State Association or Joint Action Agency
Athens Utilities Board, TN	13,000	Tennessee Valley Public Power Association
Central Lincoln PUD, OR	39,000	North West Public Power Association
Glenwood Springs, CO	6,200	Colorado Association of Municipal Utilities
City of Lindsborg, KS	1,700	Kansas Municipal Utilities
Manitowoc Public Utilities, WI	17,000	Great Lakes Utilities
Ocala Electric Utilities, FL	50,000	Florida Municipal Electric Association
Pierre Municipal Utilities, SD	7,000	Missouri River Energy Services
Radford Electric Department, VA	15,000	Blue Ridge Power Agency
Wadsworth Utilities, OH	13,000	American Municipal Power

Work with the city

If you don't have a communications staff (part-time or full-time), see what your city has to offer. Often a city coordinator or public information officer handles social media and other communications for all departments and utilities. When you reach out and make it easier for them with ready-made content and ideas from the Association, they'll be happy to communicate regularly on your behalf. We had a couple of city coordinators who participated in our pilot program at the urging of their electric utility general managers. These coordinators especially loved our infographics, videos and images, and they used the pieces regularly to highlight their utilities.

Nurture ambassadors

Your staff and governance teams are your best ambassadors. Train them to talk about the benefits of public power with their friends and neighbors. Plan onboarding and refresher sessions for your city council or governing board members at least twice a year. The Public Power 101 slide deck is a good resource to educate your new staff and governance teams on public power basics. For staff, try to do a quarterly lunch or breakfast where you can provide updates and encourage them to carry key messages to the community. Ask all staff and board/council members to follow your utility on social media and to like and share your posts regularly.

Get out in the community

Get social the old-fashioned way. Leave your desk or your substation and go mingle with your customers. Volunteer at community service projects, join the parade on Main Street with your bucket trucks, attend ball games, teach an electricity basics class at the local school, or host a community event (remember, nothing is as good as free food). Wherever you are, remember to hang that utility banner or to wear your utility T-shirt so your name will be top of mind for people.

Watch your words

Whether you're limited to 280 characters (the new limit on Twitter) or have more room, keep all your communications simple and engaging — and be sure to weave in key public power messages, such as:

- You (customers) own this utility and your local government runs it for you.
- Our utility is not-for-profit and is answerable to our customer-owners, not to remote shareholders.
- We are all about community — we employ local residents, support local businesses, and give back to the community in many ways.
- Our focus is to keep electricity affordable, reliable, safe and environmentally responsible.

Yes, you are a "muni." But referring to yourself as a community-owned utility is a better way to nurture a sense of ownership and engage customers.

READY TO GET STARTED? Download the communications plan and resources at www.PublicPower.org/Members/CommunicationTemplates. Sign up for our monthly email with social media tips and resources (complete the form at www.publicpower.org/subscribe/newsletter) If you need more help or have questions, we'd be happy to talk to you — just email us at News@PublicPower.org to schedule a call.

MUNICIPALIZATION

Preserving Local Control and Ownership

BY URSULA SCHRYVER, VICE PRESIDENT, EDUCATION AND CUSTOMER PROGRAMS, AND **LEANNE SINCLAIR,** DIRECTOR, CUSTOMER PROGRAMS, AMERICAN PUBLIC POWER ASSOCIATION

From time to time, outside entities may approach a public power community with a buyout offer for the electric utility, or the city might want a say in the utility's future ownership options. The idea might stem from fiscal pressures on local government, the expansion of traditional competitors, new market entrants or other reasons.

The best defense against a buyout attempt is a well-run utility and customer-owners who understand the value of public power ownership.

A smooth operation

Run your utility efficiently, remain accountable to customers, identify your strengths and weaknesses, and be on the alert for warning signs of a potential sellout before it comes. Act to address any problems at your utility and have a strong communication plan to educate and engage your community on core public power benefits.

Typically, these benefits include community ownership, competitive rates, high reliability, local control, responsive customer service, and accountability to the community. The relative importance of each of these benefits will vary from utility to utility and will likely evolve over time to meet changing needs. Be sure to regularly re-evaluate your utility's strategies to ensure they align with your community's needs and preferences.

10 keys to success

Public power utilities must:

- Provide superior customer service
- Deliver value though power supply management
- Focus on distribution performance and opportunity
- Keep the "public" in public power by promoting public power's role in the community
- Optimize community infrastructure
- Lead in environmental stewardship and compliance
- Build consensus through democratic governance
- Promote human resource excellence
- Engage policymakers through legislative education and advocacy
- Invest in your technology future

For help in addressing a potential sellout and to get an updated copy of *The Future of Your Utility: Positioning Your Community to Succeed in a Sellout Evaluation*, contact us at EducationInfo@PublicPower.org.

Know and communicate your value

The value of your utility is much more than the price tag attached to your poles and wires. Your true value is in the cumulative benefits your utility brings your community, including:

- Financial support for local government
- In-kind contributions
- Savings through more efficient municipal operations
- Lower rates
- Local employment
- Support of local businesses
- Community sponsorships and engagement
- Energy efficiency and customer programs
- Economic development
- Local control
- Reliable service
- Customer service
- Community improvements

It's not enough for you to know the full value your utility brings to the community. Your board members and city leaders, employees, residential and commercial customers, and local media need to know as well. Ensuring your stakeholders know the value of your utility can help prevent a sellout/takeover attempt from emerging and can help build the goodwill you will need to defend your utility if the situation arises.

Communicating the value of your utility must be an ongoing effort. There is turnover in your stakeholder groups, and many other issues compete for your audience's attention. You need to make the information easy to understand and accessible to them — and available when they are ready to hear it.

CONGRATULATIONS

Congratulations to the 2018 Reliable Public Power Provider (RP3) program designees. We salute your commitment to operating at the highest levels of reliability, safety, workforce development, and system improvement as you build and support strong public power communities.

RP3 RELIABLE PUBLIC POWER PROVIDER™
American Public Power Association

Diamond Level

Benton PUD, Wash.
Braintree Electric Light Department, MA
Burbank Water and Power, Calif.
City of Calhoun, Ga.
City of College Station, Tex.
City of High Point Electric Utility, N.C.
City of Palo Alto Utilities, Calif.
City of Rock Hill, S.C.
City of Shelby, N.C.
City of Tallahassee Electric Utility, Fla.
Cleveland Public Power, Ohio
Colorado Springs Utilities, Colo.
Columbia Water and Light, Mo.
Fort Pierce Utilities Authority, Fla.
Freeport Electric, N.Y.
Greeneville Light & Power System, Tenn.
Greenville Utilities Commission, N.C.
Hannibal Board of Public Works, Mo.
Holyoke Gas & Electric Department, Mass.
Hudson Public Power, Ohio
Knoxville Utilities Board, Tenn.
Lincoln Electric System, Neb.
Long Island Power Authority, N.Y.
Loveland Water and Power, Colo.
Lowell Light and Power, Mich.
Manitowoc Public Utilities, Wis.
Memphis Light, Gas & Water Division, Tenn.
Norwich Public Utilities, Conn.
Oconomowoc Utilities, Wis.
Owensboro Municipal Utilities, Ky.
Piqua Power System, Ohio
Richland Center Electric Department, Wis.
Sacramento Municipal Utility District, Calif.
Shakopee Public Utilities Commission, Minn.
Sterling Municipal Light Department, Mass.
Tillamook People's Utility District, Ore.
Town of Granite Falls, N.C.
Tullahoma Utilities Authority, Tenn.
Two Rivers Water & Light, Wis.
Waverly Utilities, Iowa
Wisconsin Rapids Water Works & Lighting Commission, Wis.

Platinum Level

American Samoa Power Authority, American Samoa
Borough of Ephrata, Pa.
BrightRidge, Tenn.
Central Lincoln People's Utility District, Ore.
City of Albemarle, N.C.
City of Bowling Green, Ohio
City of Cartersville Electric System, Ga.
City of Clinton, S.C.
City of Elizabeth City, N.C.
City of Jackson Electric Operations, Mo.
City of Kinston, N.C.
City of Lodi Electric Utility, Calif.
City of Lompoc Electric, Calif.
City of Milan Department of Public Utilities, Tenn.
Coffeyville Municipal Light & Power, Kan.
Coldwater Board of Public Utilities, Mich.
Cowlitz County Public Utility District No 1, Wash.
Denton Municipal Electric, Tex.
Douglas County PUD, Wash.
Evansville Water and Light, Wis.
Glendale Water and Power, Calif.
Grand Haven Board of Light & Power, Mich.
Heber Light & Power, Utah
Idaho Falls Power, Idaho
Kansas City Board of Public Utilities, Kan.
Kirkwood Electric Department. Mo.
Kissimmee Utility Authority, Fla.
Macon Municipal Utilities, Mo.
McMinnville Electric System, Tenn.
Murfreesboro Electric Department, Tenn.
Navajo Tribal Utility Authority, Ariz.
New Martinsville Municipal Electric Utility, W.Va.
Northern Wasco County People's Utility District, Ore.
Opelika Power Services, Ala.
Pasadena Water and Power, Calif.
Richmond Power & Light, Ind.
River Falls Municipal Utilities, Wis.
Rock Falls Electric Department, Ill.
Springville City Electric Department, Utah
St. Clairsville Electric, Ohio
Stillwater Electric Utility, Okla.
Sun Prairie Utilities, Wis.
Taunton Municipal Lighting Plant, Mass.
Town of Clayton, N.C.
Town of Smithfield, N.C.
Town of Wake Forest, N.C.
Traverse City Light & Power, Mich.
Truckee Donner Public Utility District, Calif.

Gold Level

Azusa Light & Water Department, Calif.
Borough of Lansdale Electric Department, Pa.
Brainerd Public Utilities, Minn.
City of Fremont, Neb.
City of Gastonia, N.C.
City of Harrisonville Electric Department, Mo.
City of Lumberton, N.C.
City of Monett, Mo.
City of Morganton, N.C.
City of Newton, N.C.
City of Ottawa, Kan.
Clarksville Light and Water Company, Ark.
Estes Park Light and Power, Colo.
Hope Water & Light, Ark.
Kerrville Public Utility Board, Texas.
Kittitas PUD No.1, Wash.
Lehi City Power, Utah
Lewes Board of Public Works, Del.
Lewisburg Electric System, Tenn.
Municipal Utilities Board of the City of Albertville, Ala.
New Prague Municipal Utilities, Minn.
Newnan Utilities, Ga.
Oak Harbor Public Power, Ohio
Orrville Utilities, Ohio
Paris Board of Public Utilities, Tenn.
Village of Westfield Electric, N.Y.

This list includes organizations recognized by March 2018. For the latest list, visit www.PublicPower.org/rp3

RP3 INDUSTRY SUPPORT COUNCIL

Automated Energy
Avant Energy
Burns McDonnell
Duncan & Allen
NISC
Preng & Associates
Siemens – Ingenuity for Life
Telensa
UFS – Utility Financial Solutions, LLC
Utility Services, Inc.

PUBLIC POWER, BIG & SMALL

Citizens in big cities and small towns alike are served by public power.

The public power utilities that provide electricity to more than 10,000 customer meters serve 83.7 percent of public power customers, yet 83.2 percent of public power utilities serve fewer than 10,000 meters.

1.6%
31 utilities

More than 100,000 meters served

2.4%
47 utilities

40,001 to 100,000

12.8%
250 utilities

10,001 to 40,000

11.7%
229 utilities

5,001 to 10,000

21.9%
428 utilities

2,000 to 5,000

49.7%
973 utilities

Less than 2,000

Solutions for public power

ABB supports the utilities that power their communities

Beyond providing electricity, your customers look to you as their partner to help improve quality of life and elevate the economic prospects for your community. Partnering with ABB on grid modernization and service enhancements strengthens your ability to provide safe, reliable and efficient power. Public power utilities and ABB - together, creating a stronger, smarter and greener grid. Learn more by visiting us at the IEEE PES T&D Conference in Denver in booth 2510 or at **new.abb.com/us/public-power/APPA.**

AMERICAN PUBLIC POWER ASSOCIATION ACADEMY

GET THE KNOWLEDGE, SKILLS, AND CONNECTIONS TO PERFORM AT THE HIGHEST LEVEL

UP NEXT

LINEWORKERS RODEO
April 27 – 28
Raleigh and Wake Forest, North Carolina

ENGINEERING & OPERATIONS TECHNICAL CONFERENCE
April 29 – May 2
Raleigh, North Carolina

40+ sessions

- Communications & Control
- Environmental Issues
- Generation & Fuels
- Safety
- Supply Management
- Transmission & Distribution

SPRING EDUCATION INSTITUTE
May 14 – 18
Denver, Colorado

15 in-depth training courses

- Accounting
- Cost of Service & Rate Design
- Electrical Distribution Theory **NEW!**
- Electrical Distribution Principles, Applications and Improvements **NEW!**
- Energy Efficiency Management Certificate Program
- Public Power Manager Certificate Program

FROM YOUR OWN OFFICE

Webinars
Topics include governance, accounting, electric utility basics, workforce and more – check the schedule and register at www.PublicPower.org under Education & Events.

IN-HOUSE TRAININGS
We can bring any of our courses to you, or customize an agenda based on your needs. For details, contact EducationInfo@PublicPower.org or call 202-467-2921.

REGISTER NOW

NATIONAL CONFERENCE
June 15-20
New Orleans, Louisiana

Public power's premier event, attracting more than 1,000 attendees, featuring over 35 breakout sessions, and offering a variety of networking events.

Learn more and register for all events at www.PublicPower.org/Academy

ACADEMY

WPPI energy

Things You Should KNOW

Michael W. Peters, President & CEO

Monthly Wrap-Up for March 2018
Issued April 5, 2018

Things You Should Know is my monthly wrap-up for members of all things related to WPPI Energy. As always, I welcome your feedback. Hearing directly from you is critical to our ability to serve our members. If you have any questions, comments or concerns, please contact me at 608-834-4557 or mpeters@wppienergy.org.

Bond Issuance Update. On March 15, WPPI Energy issued $41.3 million in 2018 A bonds in order to refund a portion of our outstanding 2008 A bonds. We were pleased that the market remained stable for our pricing, which contributed to making this a very successful transaction. We achieved an all-in true interest cost of 3.43 percent, resulting in a projected net present value savings of $6.5 million. We expect to close on the bonds on April 18. Our May 11 Board of Directors meeting will include a detailed summary of the transaction.

A Successful New On-Boarding Event. WPPI Energy hosted a first-of-its kind event on March 21, when we welcomed 20 board directors and alternates for a two-hour on-boarding program, tour of the system operations center, and dinner. The purpose was to educate new and/or tenured board members about the roles and responsibilities of their position on the WPPI Energy Board of Directors, and to provide additional information about our membership's financial and operational priorities. Five of the participants also attended the Executive Committee meeting the following day.

Throughout what is now almost four decades of WPPI Energy's history, the membership has found success thanks in large part to strong member unity and active engagement from member leaders. We know that maintaining and building upon these strengths will be especially important as we address the challenges and opportunities of our changing industry. We also know that our member-owned, member-governed joint action agency is also experiencing change. For example, in just the past five years, we have welcomed 37 new board directors.

With this in mind, the membership has established a business priority to support the ongoing development of WPPI Energy's board as key contributors to the organization. The March event represents the most recent addition to our existing slate of initiatives for this purpose. Evaluations have been positive, and we will look to host another such event in the future.

Thank you to everyone who made the trip to Sun Prairie to attend. Having an engaged and informed board of directors is critical to ensuring that WPPI Energy remains on the right path to meet the needs of our 51 member communities. Your participation signals your commitment to this important role.

Former Appleton Coated Paper Mill Increasing Production. As I have reported to you in previous editions of this memo, Appleton Coated (AC)—a paper manufacturer that had been the largest customer of Kaukauna Utilities (KU) and the second-largest electric customer on the WPPI Energy system—went into receivership and was sold at auction last fall. The mill's buyer,

Industrial Assets Corp (IA), agreed at that time to keep the mill in "hot idle" status and to help search for a different buyer, with the hoped-for result being that the mill could ultimately return to running as a going concern.

The purpose of this update is to inform you about some recent developments at the mill, which currently remains under IA's ownership and is operating as Appleton Property Ventures (APV). Over the past several months, APV has gradually begun running some machinery and has called some former employees back to work. The mill is still operating at a level significantly smaller than before AC entered into receivership, but in recent weeks, these changes have increasingly been viewed as hopeful signs for the mill's future viability.

What does this mean for KU and WPPI Energy? While we would certainly like to see the mill continue its potential turnaround for the benefit of the local community, a majority of the mill's electric needs are now supplied by a cogeneration unit that APV owns. As a result, we do not anticipate that a turnaround for the mill would result in a significant increase in load for KU and the WPPI Energy system.

Although the mill's previous owner, AC, had acquired the co-gen unit prior to entering receivership, AC had agreed not to use the unit to serve its own load as part of a then-existing contract that bound AC to have its load served by KU. That agreement was terminated as a result of the receivership proceeding and subsequent sale of the mill, however, leaving the new owner free to serve the mill with its co-gen unit.

It is worth noting that the mill still has some significant needs for service from KU and WPPI Energy. APV must rely on KU's local distribution system in order to sell any excess generation from its co-gen unit and to deliver power to its load when the co-gen unit is not running. APV also relies on KU and WPPI Energy for power when APV takes its co-gen unit offline, for example, during off-peak periods. In a few cases, the unit has also tripped offline unexpectedly during on-peak periods, and those occurrences have resulted in APV incurring monthly demand charges from KU.

WPPI Energy continues to share the community's hope that the mill will make a comeback as a going concern. That said, the circumstances surrounding how KU and WPPI Energy continue to help meet the mill's needs are uncertain. It is not yet clear what the future may hold for the mill, or what a workable, long-term solution might look like for how the mill would be served. We are actively working to evaluate possible options, and I will continue to provide you with updates.

A Few Meeting Highlights. I participated in a number of meetings and presentations this past month on topics that you can expect to hear more about in the weeks and months to come.

- **Cybersecurity Service.** Earlier this week, the Member Advisory Services group recommended for Executive Committee approval a new service to provide interested members with some additional robust, flexible cybersecurity service options. For several years, WPPI Energy members have had access to a basic level of protection through existing services like the Network Support Service, Network Assessment and Monitoring Service, and Email Service. The proposed new pay-for-service offering would cost-effectively help members who are interested in increasing their cybersecurity posture with specialized information security talent and multiple layers of additional protection. We

anticipate bringing the proposed service to the EC in April. Expect to hear more on this topic when the board meets in May.

- **Outage Management.** The WPPI Energy Member Outage Management Task Force also met this week to discuss key takeaways from recent presentations made by various outage management system vendors, further discuss the role of GIS mapping technologies for outage management, and to continue exploring whether there may be cost-effective joint action options for WPPI Energy to help meet member needs in these areas. The group also previewed a demonstration of a basic, advanced-meter-driven online outage map that our staff has developed based on the task force's work. I anticipate these items will also be part of our May board meeting agenda.

- **All-Employee Meeting.** This morning, American Public Power Association President and CEO Sue Kelly spoke via videoconference at WPPI Energy's all-employee meeting. Her presentation focused on the ways in which public power utilities across the nation must prepare for success as utilities of the future, and the ways in which employees of joint action agencies like ours can help the industry to "step up our game" in these areas. Her half-hour presentation included a number of key themes that we will likely explore in more depth this fall during our Annual Meeting, which takes place Sept. 13-14 in Middleton, Wis.

Mark Your Calendar: Regional Power Dinners. This spring and summer, local utility staff and officials from across the WPPI Energy membership will gather for a series of regional dinner meetings. The events are an opportunity to network with other community leaders, and for your local officials to learn more about electric industry issues and key initiatives within the WPPI Energy membership.

Utility managers, if you haven't already done so, I hope you will make plans to attend one of these dates. Please also share the invitation with your employees and local leaders, as we rely solely on you for local promotion of these events.

- April 11 Okauchee Lake
- April 12 Mazomanie
- April 19 Kaukauna
- May 3 Fitchburg
- May 8 Dubuque
- May 22 Holmen
- June 14 River Falls
- June 26 Florence

Details about the regional dinners, including registration information, are included in today's Weekly Digest. For more information, please contact Kay Schaub at 608-834-4538 or kschaub@wppienergy.org.

Sun Prairie Utilities Commission, City Officials Meet at WPPI Energy. On March 19, WPPI Energy hosted a meeting with Sun Prairie's mayor, several city council members, the utilities commission, and a number of employees from both the city and the utility. The early-evening program included a tour of the system operations center, brief remarks from WPPI Energy, and a dinner with sandwiches from a new local bake house followed by the regularly scheduled meeting of the Sun Prairie Utilities Commission.

I appreciated the opportunity to spend time with Sun Prairie's local officials and employees, and hosting a meeting for the utility's governing body provided a nice opportunity to showcase the

asset that the community has in its ownership of WPPI Energy. If your local officials and staff would be interested in a similar event, it would be our pleasure to develop a plan with you. Please contact Lauri Isaacson at 608-834-4571 or lisaacson@wppienergy.org.

Staff Update. Please join me in welcoming Ryan Girouard, who joined the WPPI Energy staff team on March 26 as a Desktop Support Analyst. Ryan will work on a part-time basis until he graduates from UW-Whitewater in May, at which time he will transition to full time.

I am always open to suggestions and feedback from WPPI Energy members. If you have any questions, comments or concerns about WPPI Energy or the updates I have provided here, please don't hesitate to contact me at 608-834-4557 or mpeters@wppienergy.org.

Stoughton Utilities

600 South Fourth Street
P.O. Box 383
Stoughton, WI 53589-0383

Serving Electric, Water & Wastewater Since 1886

Date: April 10, 2018

To: Stoughton Utilities Committee

From: Robert P. Kardasz, P.E.
Stoughton Utilities Director

Subject: Status of the Utilities Committee recommendation(s) to the Stoughton Common Council

The following items from prior Stoughton Utilities Committee Meeting(s) were presented to and/or acted upon by the Stoughton Common Council at their March 27, 2018 meeting:

Consent Agenda:

1. Stoughton Utilities Payments Due List Report
2. Stoughton Utilities Committee February 19, 2018 Meeting Minutes
3. Stoughton Utilities January 2017 Financial Summary
4. Stoughton Utilities January 2017 Statistical Report

Business:

1. Ordinance to amend Chapter 74 of the City of Stoughton Code of Ordinances, relating to utilities and sewer use

The following items from prior Stoughton Utilities Committee Meeting(s) are scheduled to be presented to and accepted by the Stoughton Common Council at their April 10, 2018 meeting:

Business:

1. Stoughton Utilities 2017 audit reports and management letter

Stoughton Utilities

600 South Fourth Street
P.O. Box 383
Stoughton, WI 53589-0383

Serving Electric, Water & Wastewater Since 1886

Date: April 10, 2018

To: Stoughton Utilities Committee

From: Jamin T. Friedl
Stoughton Utilities Finance Manager

Robert P. Kardasz, P.E.
Stoughton Utilities Director

Subject: Stoughton Electric Utility Annual Report filed with the Public Service Commission of Wisconsin

In accordance with Wisconsin State Statute 196.07, the Stoughton Electric Utility files an annual financial report with the Wisconsin Public Service Commission. The report for the year ending December 31, 2017 is attached for the Utility Committee's review and discussion.

Class AB

WATER, ELECTRIC, OR JOINT UTILITY ANNUAL REPORT

OF

STOUGHTON ELECTRIC UTILITY

PO BOX 383
STOUGHTON, WI 53589-0383

For the Year Ended: DECEMBER 31, 2017

TO

PUBLIC SERVICE COMMISSION OF WISCONSIN

P.O. Box 7854
Madison, WI 53707-7854
(608) 266-3766

This form is required under Wis. Stat. § 196.07. Failure to file the form by the statutory filing date can result in the imposition of a penalty under Wis. Stat. § 196.66. The penalty which can be imposed by this section of the statutes is a forfeiture of not less than $25 nor more than $5,000 for each violation. Each day subsequent to the filing date constitutes a separate and distinct violation. The filed form is available to the public and personally identifiable information may be used for purposes other than those related to public utility regulation.

I ***Jamin Friedl, CPA***, ***Finance Manager*** of ***STOUGHTON ELECTRIC UTILITY***, certify that I am the person responsible for accounts; that I have examined the following report and, to the best of my knowledge, information and belief, it is a correct statement of the business and affairs of said utility for the period covered by the report in respect to each and every matter set forth therein.

Date Signed: ***3/15/2018***

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ELECTRIC SECTION

Identification and Ownership - Contacts

Utility employee in charge of correspondence concerning this report

Name: Jamin T Friedl, CPA

Title: Finance and Administrative Manager

Mailing Address: 600 S Fourth Street
Stoughton, WI 53589

Phone: (608) 877-7415

Email Address: jfriedl@stoughtonutilities.com

Accounting firm or consultant preparing this report (if applicable)

Name:

Title:

Mailing Address:

Phone:

Email Address:

Name and title of utility General Manager (or equivalent)

Name: Robert P Kardasz, P.E.

Title: Utilities Director

Mailing Address: 600 S Fourth Street
Stoughton, WI 53589

Phone: (608) 877-7423

Email Address: rkardasz@stoughtonutilities.com

President, chairman, or head of utility commission/board or committee

Name: Donna Olson

Title: Mayor

Mailing Address: 381 E Main Street
Stoughton, WI 53589

Phone: (608) 873-6677

Email Address: dolson@ci.stoughton.wi.us

Identification and Ownership - Governing Authority and Audit Information

Utility Governing Authority

Select the governing authority for this utility.

___Reports to utility board/commission

_x_Reports directly to city/village council

Audit Information

Are utility records audited by individulas or firms other than utility employees? _x_Yes __No

Date of most recent audit report: 03/09/2018

Period covered by most recent audit: 2017

Individual or firm, if other than utility employee, auditing utility records

Name:	Jodi Dobson
Title:	Partner
Organization Name:	Baker Tilly
USPS Address:	Ten Terrace Court
City State Zip	Madison, WI 53718
Telephone:	(608) 240-2469
Email Address:	jodi.dobson@bakertilly.com

Identification and Ownership - Contract Operations

Do you have any contracts?

Are any the utility administrative or operational functions under contract or agreement with an outside provider for the year covered by this annual report and/or current year (i.e., operation of water or sewer treatment plant)? **NO**

Income Statement

Particulars (a)	This Year (b)	Last Year (c)	
UTILITY OPERATING INCOME			1
Operating Revenues (400)	15,249,623	15,116,205	2
Operating Expenses:			3
Operation and Maintenance Expense (401-402)	13,015,201	13,101,601	4
Depreciation Expense (403)	881,531	869,843	5
Amortization Expense (404-407)	0	0	6
Taxes (408)	567,843	547,469	7
Total Operating Expenses	**14,464,575**	**14,518,913**	8
Net Operating Income	**785,048**	**597,292**	9
Income from Utility Plant Leased to Others (412-413)			10
Utility Operating Income	**785,048**	**597,292**	11
OTHER INCOME			12
Income from Merchandising, Jobbing and Contract Work (415-416)	0	0	13
Income from Nonutility Operations (417)			14
Nonoperating Rental Income (418)			15
Interest and Dividend Income (419)	92,681	92,308	16
Miscellaneous Nonoperating Income (421)	120,147	324,625	17
Total Other Income	**212,828**	**416,933**	18
Total Income	**997,876**	**1,014,225**	19
MISCELLANEOUS INCOME DEDUCTIONS			20
Miscellaneous Amortization (425)	(22,160)	(22,160)	21
Other Income Deductions (426)	147,834	130,191	22
Total Miscellaneous Income Deductions	**125,674**	**108,031**	23
Income Before Interest Charges	**872,202**	**906,194**	24
INTEREST CHARGES			25
Interest on Long-Term Debt (427)	127,228	148,417	26
Amortization of Debt Discount and Expense (428)		110,140	27
Amortization of Premium on Debt--Cr. (429)	22,739	10,958	28
Interest on Debt to Municipality (430)	0	0	29
Other Interest Expense (431)	921	535	30
Interest Charged to Construction--Cr. (432)			31
Total Interest Charges	**105,410**	**248,134**	32
Net Income	**766,792**	**658,060**	33
EARNED SURPLUS			34
Unappropriated Earned Surplus (Beginning of Year) (216)	19,139,965	18,503,118	35
Balance Transferred from Income (433)	766,792	658,060	36
Miscellaneous Credits to Surplus (434)	4,011		37
Miscellaneous Debits to Surplus--Debit (435)			38
Appropriations of Surplus--Debit (436)			39
Appropriations of Income to Municipal Funds--Debit (439)	12,698	21,213	40
Total Unappropriated Earned Surplus End of Year (216)	**19,898,070**	**19,139,965**	41

Income Statement Account Details

- Report each item (when individually or when like items are combined) greater than $10,000 (class AB), $5,000 (class C) and $2,000 (class D) and all other lesser amounts grouped as Miscellaneous. Describe fully using other than account titles.
- Nonregulated sewer income should be reported as Miscellaneous Nonoperating Income, Account 421.

Description (a)	Earnings (216.1) (b)	Contributions (216.2) (c)	Total This Year (d)	
UTILITY OPERATING INCOME	0	0	0	1
Operating Revenues (400)	0	0	0	2
Derived	15,249,623		15,249,623	3
Total (Acct. 400)	15,249,623	0	15,249,623	4
Operation and Maintenance Expense (401-402)	0	0	0	5
Derived	13,015,201		13,015,201	6
Total (Acct. 401-402)	13,015,201	0	13,015,201	7
Depreciation Expense (403)	0	0	0	8
Derived	881,531		881,531	9
Total (Acct. 403)	881,531	0	881,531	10
Amortization Expense (404-407)	0	0	0	11
Derived	0		0	12
Total (Acct. 404-407)	0	0	0	13
Taxes (408)	0	0	0	14
Derived	567,843		567,843	15
Total (Acct. 408)	567,843	0	567,843	16
TOTAL UTILITY OPERATING INCOME	785,048	0	785,048	17
OTHER INCOME	0	0	0	18
Income from Merchandising, Jobbing and Contract Work (415-416)	0	0	0	19
Derived	0	0	0	20
Total (Acct. 415-416)	0	0	0	21
Interest and Dividend Income (419)	0	0	0	22
INTEREST INCOME	92,681		92,681	23
Total (Acct. 419)	92,681	0	92,681	24
Miscellaneous Nonoperating Income (421)	0	0	0	25
Contributed Plant - Electric		120,147	120,147	26
Total (Acct. 421)	0	120,147	120,147	27
TOTAL OTHER INCOME	92,681	120,147	212,828	28
MISCELLANEOUS INCOME DEDUCTIONS	0	0	0	29
Miscellaneous Amortization (425)	0	0	0	30
Regulatory Liability (253) Amortization	(22,160)		(22,160)	31
Total (Acct. 425)	(22,160)	0	(22,160)	32
Other Income Deductions (426)	0	0	0	33
Depreciation Expense on Contributed Plant - Electric		137,492	137,492	34
DEPRECIATION ON NON UTILITY PLANT	7,320		7,320	35
MEUW Member Dues	3,022		3,022	36
Total (Acct. 426)	10,342	137,492	147,834	37
TOTAL MISCELLANEOUS INCOME DEDUCTIONS	(11,818)	137,492	125,674	38
INTEREST CHARGES	0	0	0	39
Interest on Long-Term Debt (427)	0	0	0	40

Income Statement Account Details

- Report each item (when individually or when like items are combined) greater than $10,000 (class AB), $5,000 (class C) and $2,000 (class D) and all other lesser amounts grouped as Miscellaneous. Describe fully using other than account titles.
- Nonregulated sewer income should be reported as Miscellaneous Nonoperating Income, Account 421.

Description (a)	Earnings (216.1) (b)	Contributions (216.2) (c)	Total This Year (d)	
Derived	127,228		127,228	41
Total (Acct. 427)	127,228	0	127,228	42
Amortization of Premium on Debt--Cr. (429)	0	0	0	43
2013 MRB PREMIUM	9,624		9,624	44
2016 MRB PREMIUM	13,115		13,115	45
Total (Acct. 429)	22,739	0	22,739	46
Interest on Debt to Municipality (430)	0	0	0	47
Derived	0		0	48
Total (Acct. 430)	0	0	0	49
Other Interest Expense (431)	0	0	0	50
Derived	921		921	51
Total (Acct. 431)	921	0	921	52
TOTAL INTEREST CHARGES	105,410	0	105,410	53
NET INCOME	784,137	(17,345)	766,792	54
EARNED SURPLUS	0	0	0	55
Unappropriated Earned Surplus (Beginning of Year) (216)	0	0	0	56
Derived	17,123,159	2,016,806	19,139,965	57
Total (Acct. 216)	17,123,159	2,016,806	19,139,965	58
Balance Transferred from Income (433)	0	0	0	59
Derived	784,137	(17,345)	766,792	60
Total (Acct. 433)	784,137	(17,345)	766,792	61
Miscellaneous Credits to Surplus (434)	0	0	0	62
GAIN ON SALE OF ASSETS	4,011		4,011	63
Total (Acct. 434)	4,011	0	4,011	64
Appropriations of Income to Municipal Funds--Debit (439)	0	0	0	65
TAX STABILIZATION PAYMENT	12,698		12,698	66
Total (Acct. 439)	12,698	0	12,698	67
UNAPPROPRIATED EARNED SURPLUS (END OF YEAR)	17,898,609	1,999,461	19,898,070	68

Income Statement Account Details

- Report each item (when individually or when like items are combined) greater than $10,000 (class AB), $5,000 (class C) and $2,000 (class D) and all other lesser amounts grouped as Miscellaneous. Describe fully using other than account titles.
- Nonregulated sewer income should be reported as Miscellaneous Nonoperating Income, Account 421.

Income Statement Account Details (Page F-02)

Amount of Contributed Plant – Electric (421) does not match the total Additions During Year entered on Electric Utility Plant in Service – Plant Financed by Contributions, please explain fully.

During 2017, Stoughton Utilities relinquished $30,750 in embedded credits, received $10,750 of materials left at the Kettle Park West construction site and currently has $10,100 in contributions in CWIP.

Income from Merchandising, Jobbing & Contract Work (Accts. 415-416)

Particulars (a)	Water (b)	Electric (c)	Gas (d)	Sewer (e)	Total (f)	
Revenues						1
Revenues (account 415)					**0**	2
Cost and Expenses of Merchandising, Jobbing and Contract Work (416)						3
Cost of merchandise sold					**0**	4
Payroll					**0**	5
Materials					**0**	6
Taxes					**0**	7
Total costs and expenses	**0**	**0**	**0**	**0**	**0**	8
Net Income (or loss)	**0**	**0**	**0**	**0**	**0**	9

Revenues Subject to Wisconsin Remainder Assessment

- Report data necessary to calculate revenue subject to Wisconsin remainder assessment pursuant to Wis. Stat § 196.85(2) and Wis. Admin. Code Ch. PSC 5.
- If the sewer department is not regulated by the PSC, do not report sewer department in data column (d).

Description (a)	Water Utility (b)	Electric Utility (c)	Gas Utility (d)	Sewer Utility (Regulated Only (e)	Total (f)	
Total operating revenues		15,249,623			**15,249,623**	1
Less: interdepartmental sales		288,380			**288,380**	2
Less: interdepartmental rents		0			**0**	3
Less: return on net investment in meters charged to regulated sewer department. (Do not report if nonregulated sewer.)					**0**	4
Less: uncollectibles directly expensed as reported in water acct. 904 (690 class D), sewer acct. 843, and electric acct. 904 -or- Net write-offs when Accumulated Provision for Uncollectible Accounts (acct. 144) is maintained		8,085			**8,085**	5
Revenues subject to Wisconsin Remainder Assessment	**0**	**14,953,158**	**0**	**0**	**14,953,158**	6

Distribution of Total Payroll

- Amounts charged to Utility Financed and to Contributed Plant accounts should be combined and reported in plant or accumulated depreciation accounts.
- Amount originally charged to clearing accounts as shown in column (b) should be shown as finally distributed in column (c).
- The amount for clearing accounts in column (c) is entered as a negative for account "Clearing Accounts" and the distributions to accounts on all other lines in column (c) will be positive with the total of column (c) being zero.
- Provide additional information in the schedule footnotes when necessary.

Accounts Charged (a)	Direct Payroll Distribution (b)	Allocation of Amounts Charged Clearing Accts. (c)	Total (d)	
Water operating expenses			**0**	1
Electric operating expenses	738,320	50,423	**788,743**	2
Gas operating expenses			**0**	3
Heating operating expenses			**0**	4
Sewer operating expenses			**0**	5
Merchandising and jobbing			**0**	6
Other nonutility expenses			**0**	7
Water utility plant accounts			**0**	8
Electric utility plant accounts	241,630		**241,630**	9
Gas utility plant accounts			**0**	10
Heating utility plant accounts			**0**	11
Sewer utility plant accounts			**0**	12
Accum. prov. for depreciation of water plant			**0**	13
Accum. prov. for depreciation of electric plant	2,693		**2,693**	14
Accum. prov. for depreciation of gas plant			**0**	15
Accum. prov. for depreciation of heating plant			**0**	16
Accum. prov. for depreciation of sewer plant			**0**	17
Clearing accounts	50,423	(50,423)	**0**	18
All other accounts			**0**	19
Total Payroll	**1,033,066**	**0**	**1,033,066**	20

Full-Time Employees (FTE)

- Use FTE numbers where FTE stands for Full-Time Employees or Full-Time Equivalency. FTE can be computed by using total hours worked/2080 hours for a fiscal year. Estimate to the nearest hundredth. If an employee works part time for more than one industry then determine FTE based on estimate of hours worked per industry.
- Example: An employee worked 35% of their time on electric jobs, 30% on water jobs, 20% on sewer jobs and 15% on municipal nonutility jobs. The FTE by industry would be .35 for electric, .30 for water and .20 for sewer.

	Industry (a)	FTE (b)	
1	Water		
2	Electric	13.5	
3	Gas		
4	Sewer		

Balance Sheet

Assets and Othe Debits (a)	Balance End of Year (b)	Balance First of Year (c)	
ASSESTS AND OTHER DEBITS			1
UTILITY PLANT			2
Utility Plant (101)	31,891,768	28,832,058	3
Less: Accumulated Provision for Depreciation and Amortization of Utility Plant (111)	15,289,466	14,429,877	4
Utility Plant Acquisition Adjustments (117-118)	0	0	5
Other Utility Plant Adjustments (119)	0	0	6
Net Utility Plant	**16,602,302**	**14,402,181**	7
OTHER PROPERTY AND INVESTMENTS			8
Nonutility Property (121)	175,670	175,670	9
Less: Accumulated Provision for Depreciation and Amortization of Nonutility Property (122)	165,037	157,717	10
Investment in Municipality (123)	0	0	11
Other Investments (124)	389,457	361,850	12
Sinking Funds (125)	1,152,464	1,135,876	13
Depreciation Fund (126)	25,000	25,000	14
Other Special Funds (128)	687,327	680,725	15
Total Other Property and Investments	**2,264,881**	**2,221,404**	16
CURRENT AND ACCRUED ASSETS			17
Cash (131)	6,786,544	8,791,517	18
Special Deposits (134)	0	0	19
Working Funds (135)	0	0	20
Temporary Cash Investments (136)	0	0	21
Notes Receivable (141)	0	0	22
Customer Accounts Receivable (142)	1,520,616	1,526,861	23
Other Accounts Receivable (143)	239,188	176,507	24
Accumulated Provision for Uncollectible Accounts- -Cr. (144)	0	0	25
Receivables from Municipality (145)	347,645	376,653	26
Plant Materials and Operating Supplies (154)	153,499	163,294	27
Merchandise (155)	0	0	28
Other Materials and Supplies (156)	0	0	29
Stores Expense (163)	0	0	30
Prepayments (165)	8,402	3,276	31
Interest and Dividends Receivable (171)	23,727	49,995	32
Accrued Utility Revenues (173)	0	0	33
Miscellaneous Current and Accrued Assets (174)	0	0	34
Total Current and Accrued Assets	**9,079,621**	**11,088,103**	35
DEFERRED DEBITS			36
Unamortized Debt Discount and Expense (181)	0	0	37
Extraordinary Property Losses (182)	0	0	38
Preliminary Survey and Investigation Charges (183)	0	0	39
Clearing Accounts (184)	0	0	40
Temporary Facilities (185)	0	0	41
Miscellaneous Deferred Debits (186)	523,499	625,263	42
Total Deferred Debits	**523,499**	**625,263**	43
TOTAL ASSETS AND OTHER DEBITS	**28,470,303**	**28,336,951**	44

Balance Sheet

Liabilities and Othe Credits (a)	Balance End of Year (b)	Balance First of Year (c)	
LIABILITIES AND OTHER CREDITS			1
PROPRIETARY CAPITAL			2
Capital Paid in by Municipality (200)	294,993	294,993	3
Appropriated Earned Surplus (215)	0	0	4
Unappropriated Earned Surplus (216)	19,898,070	19,139,965	5
Total Proprietary Capital	**20,193,063**	**19,434,958**	6
LONG-TERM DEBT			7
Bonds (221)	5,640,000	6,250,000	8
Advances from Municipality (223)	0	0	9
Other Long-Term Debt (224)	0	0	10
Total Long-Term Debt	**5,640,000**	**6,250,000**	11
CURRENT AND ACCRUED LIABILITIES			12
Notes Payable (231)	0	0	13
Accounts Payable (232)	1,217,511	1,110,911	14
Payables to Municipality (233)	65,271	43,639	15
Customer Deposits (235)	119,724	106,064	16
Taxes Accrued (236)	394,626	376,785	17
Interest Accrued (237)	34,679	72,653	18
Tax Collections Payable (241)	0	0	19
Miscellaneous Current and Accrued Liabilities (242)	52,947	103,350	20
Total Current and Accrued Liabilities	**1,884,758**	**1,813,402**	21
DEFERRED CREDITS			22
Unamortized Premium on Debt (251)	108,833	131,571	23
Customer Advances for Construction (252)	28,641	27,141	24
Other Deferred Credits (253)	615,008	679,879	25
Total Deferred Credits	**752,482**	**838,591**	26
OPERATING RESERVES			27
Property Insurance Reserve (261)	0	0	28
Injuries and Damages Reserve (262)	0	0	29
Pensions and Benefits Reserve (263)	0	0	30
Miscellaneous Operating Reserves (265)	0	0	31
Total Operating Reserves	**0**	**0**	32
TOTAL LIABILITIES AND OTHER CREDITS	**28,470,303**	**28,336,951**	33

Net Utility Plant

- Report utility plant accounts and related accumulated provisions for depreciation and amortization after allocation of common plant accounts and related provisions for depreciation and amortization to utility departments as of December 31.

Particulars (a)	Water (b)	Electric (c)	Gas (d)	Sewer (e)	
First of Year					1
Total Utility Plant - First of Year	0	28,832,058	0	0	2
	0	**28,832,058**	**0**	**0**	3
Plant Accounts					4
Utility Plant in Service - Financed by Utility Operations or by the Municipality (101.1)		25,749,349			5
Utility Plant in Service - Contributed Plant (101.2)		3,431,533			6
Utility Plant Purchased or Sold (102)					7
Utility Plant Leased to Others (104)					8
Property Held for Future Use (105)		352,664			9
Completed Construction not Classified (106)					10
Construction Work in Progress (107)		2,358,222			11
Total Utility Plant	**0**	**31,891,768**	**0**	**0**	12
Accumulated Provision for Depreciation and Amortization					13
Accumulated Provision for Depreciation of Utility Plant in Service - Financed by Utility Operations or by the Municipality (111.1)		13,559,733			14
Accumulated Provision for Depreciation of Utility Plant in Service - Contributed Plant (111.2)		1,729,733			15
Accumulated Provision for Depreciation of Utility Plant Leased to Others (112)					16
Accumulated Provision for Depreciation of Property Held for Future Use (113)					17
Accumulated Provision for Amortization of Utility Plant in Service (114)					18
Accumulated Provision for Amortization of Utility Plant Leased to Others (115)					19
Accumulated Provision for Amortization of Property Held for Future Use (116)					20
Total Accumulated Provision	**0**	**15,289,466**	**0**	**0**	21
Accumulated Provision for Depreciation and Amortization					22
Utility Plant Acquisition Adjustments (117)					23
Accumulated Provision for Amortization of Utility Plant Acquisition Adjustments (118)					24
Other Utility Plant Adjustments (119)					25
Total Other Utility Plant Accounts	**0**	**0**	**0**	**0**	26
Net Utility Plant	**0**	**16,602,302**	**0**	**0**	27

Accumulated Provision for Depreciation of Utility Plant on Utility Plant Financed by Utility Operations or by the Municipality (Acct. 111.1)

Depreciation Accruals (Credits) during the year (111.1):

- Report the amounts charged in the operating sections to Depreciation Expense (403).
- If sewer operations are nonregulated, do not report sewer depreciation on this schedule.
- Report the Depreciation Expense on Meters charged to sewer operations as an addition in the Water Column. If the sewer is also a regulated utility by the PSC, report an equal amount as a reduction in the Sewer column.
- Report all other accruals charged to other accounts, such as to clearing accounts.

Description (a)	Water (b)	Electric (c)	Gas (d)	Sewer (e)	Total (f)	
Balance First of Year (111.1)	0	12,808,856	0	0	**12,808,856**	1
Credits during year						2
Charged Depreciation Expense (403)		881,531			**881,531**	3
Depreciation Expense on Meters Charged to Sewer					**0**	4
Salvage		4,936			**4,936**	5
Clearing		46,141			**46,141**	6
Total credits	**0**	**932,608**	**0**	**0**	**932,608**	7
Debits during year						8
Book Cost of Plant Retired		174,589			**174,589**	9
Cost of Removal		7,142			**7,142**	10
Total debits	**0**	**181,731**	**0**	**0**	**181,731**	11
Balance end of year (111.1)	**0**	**13,559,733**	**0**	**0**	**13,559,733**	12

Accumulated Provision for Depreciation of Utility Plant on Contributed Plant in Service (Acct. 111.2)

Depreciation Accruals (Credits) during the year (111.2):

- Report the amounts charged in the operating sections to Other Income Deductions (426).
- If sewer operations are nonregulated, do not report sewer depreciation on this schedule.
- Report the Depreciation Expense on Meters charged to sewer operations as an addition in the Water Column. If the sewer is also a regulated utility by the PSC, report an equal amount as a reduction in the Sewer column.
- Report all other accruals charged to other accounts, such as to clearing accounts.

Description (a)	Water (b)	Electric (c)	Gas (d)	Sewer (e)	Total (f)	
Balance First of Year (111.2)	0	1,621,021	0	0	**1,621,021**	1
Credits during year						2
Charged Other Income Deductions (426)		137,492			**137,492**	3
Depreciation Expense on Meters Charged to Sewer					**0**	4
Salvage		0			**0**	5
Total credits	**0**	**137,492**	**0**	**0**	**137,492**	6
Debits during year						7
Book Cost of Plant Retired		28,780			**28,780**	8
Cost of Removal		0			**0**	9
Total debits	**0**	**28,780**	**0**	**0**	**28,780**	10
Balance end of year (111.2)	**0**	**1,729,733**	**0**	**0**	**1,729,733**	11

Net Nonutility Property (Accts. 121 & 122)

- Report separately each item of property with a book cost of $5,000 or more included in account 121.
- Other items may be grouped by classes of property.
- Describe in detail any investment in sewer department carried in this account.

	Description (a)	Balance First of Year (b)	Additions During Year (c)	Deductions During Year (d)	Balance End of Year (e)	
Nonregulated sewer plant		0			**0**	1
City Dam		84,212			**84,212**	2
Leasehold Improvements - Rental		91,458			**91,458**	3
Total Nonutility Property (121)		**175,670**	**0**	**0**	**175,670**	4
Less accum. prov. depr. & amort. (122)		**157,717**	**7,320**		**165,037**	5
Net Nonutility Property		**17,953**	**(7,320)**	**0**	**10,633**	6

Accumulated Provision for Uncollectible Accounts-Cr. (Acct. 144)

	Description (a)	Amount (b)	
	Balance first of year	0	1
Additions			2
	Provision for uncollectibles during year	0	3
	Collection of accounts previously written off: Utility Customers	0	4
	Collection of accounts previously written off: Others	0	5
Total Additions		**0**	6
Accounts Written Off			7
	Accounts written off during the year: Utility Customers	0	8
	Accounts written off during the year: Others	0	9
Total Accounts Written Off		**0**	10
Balance End of Year		**0**	11

Materials and Supplies

Account (a)	Generation (b)	Transmission (d)	Distribution (d)	Other (e)	Total End of Year (f)	Amount Prior Year (g)	
Electric Utility							1
Fuel (151)					**0**	**0**	2
Fuel stock expenses (152)					**0**	**0**	3
Plant mat. & oper. sup. (154)			153,499		**153,499**	**163,294**	4
Total Electric Utility	**0**	**0**	**153,499**	**0**	**153,499**	**163,294**	5

Account	Total End of Year	Amount Prior Year	
Electric utility total	**153,499**	**163,294**	1
Water utility (154)			2
Sewer utility (154)			3
Heating utility (154)			4
Gas utility (154)			5
Merchandise (155)			6
Other materials & supplies (156)			7
Stores expense (163)			8
Total Material and Supplies	**153,499**	**163,294**	9

Unamortized Debt Discount & Expense & Premium on Debt (Accts. 181 and 251)

Report net discount and expense or premium separately for each security issue.

Debt Issue to Which Related (a)	Written Off During Year: Amount (b)	Written Off During Year: Account Charged or Credited (c)	Balance End of Year (d)	
Unamortized debt discount & expense (181)				1
None				2
Total	**0**		**0**	3
Unamortized premium on debt (251)				4
2013 MRB	9,624	429	28,281	5
2016 MRB	13,115	429	80,552	6
None				7
Total	**22,739**		**108,833**	8

Capital Paid in by Municipality (Acct. 200)

Report each item (when individually or when like items are combined) greater than $10,000 (class AB), $5,000 (class C) and $2,000 (class D, sewer and privates) and all other lesser amounts grouped as Miscellaneous. Describe fully using other than account titles.

	Description (a)	Amount (b)	
Balance first of year		294,993	1
Balance end of year		**294,993**	2

Bonds (Acct. 221)

- Report information required for each separate issue of bonds.
- If there is more than one interest rate for an aggregate obligation issue, average the interest rates and report one rate.
- Proceeds advanced by the municipality from sale of general obligation bonds, if repayable by utility, should be included in account 223.
- Enter interest rates in decimal form. For example, enter 6.75% as 0.0675

Description of Issue (a)	Date of Issue (b)	Final Maturity Date (c)	Interest Rate (d)	Principal Amount End of Year (e)	
2013 Mortgage Revenue Bonds	02/15/2013	04/01/2023	2.50%	1,945,000	1
2016 Mortgage Revenue Bonds	05/26/2016	04/01/2036	2.13%	3,695,000	2
Total				**5,640,000**	3

Notes Payable & Miscellaneous Long-Term Debt

- Report each class of debt included in Accounts 223, 224 and 231.
- Proceeds of general obligation issues, if subject to repayment by the utility, should be included in Account 223.
- If there is more than one interest rate for an aggregate obligation issue, average the interest rates and report one rate.
- Enter interest rates in decimal form. For example, enter 6.75% as 0.0675

- - - THIS SCHEDULE NOT APPLICABLE TO THIS UTILITY- - -

Taxes Accrued (Acct. 236)

Description (a)	Amount (b)	
Balance first of year	376,785	1
Charged water department expense		2
Charged electric department expense	567,843	3
Charged gas department expense		4
Charged sewer department expense		5
Clearing	18,817	6
Total accruals and other credits	**586,660**	7
County, state and local taxes	376,785	8
Social Security taxes	80,522	9
PSC Remainder Assessment	13,732	10
Gross Receipts Tax	97,780	11
Total payments and other debits	**568,819**	12
Balance end of year	**394,626**	13

Interest Accrued (Acct. 237)

- Report below interest accrued on each utility obligation.
- Report customer deposits under account 235.

Description of Issue (a)	Interest Accrued Balance First of Year (b)	Interest Accrued During Year (c)	Interest Paid During Year (d)	Interest Accrued Balance End of Year (e)	
Bonds (221)	0	0	0	**0**	1
2013 MRB'S	11,840	42,863	44,363	**10,340**	2
2016 MRB's	58,808	84,365	121,585	**21,588**	3
Subtotal Bonds (221)	**70,648**	**127,228**	**165,948**	**31,928**	4
Advances from Municipality (223)	0	0	0	**0**	5
None				**0**	6
Subtotal Advances from Municipality (223)	**0**	**0**	**0**	**0**	7
Other Long-Term Debt (224)	0	0	0	**0**	8
None				**0**	9
Subtotal Other Long-Term Debt (224)	**0**	**0**	**0**	**0**	10
Notes Payable (231)	0	0	0	**0**	11
CUSTOMER DEPOSIT	2,005	921	175	**2,751**	12
Subtotal Notes Payable (231)	**2,005**	**921**	**175**	**2,751**	13
Customer Deposits (235)	0	0	0	**0**	14
None				**0**	15
Subtotal Customer Deposits (235)	**0**	**0**	**0**	**0**	16
Total	**72,653**	**128,149**	**166,123**	**34,679**	17

Balance Sheet Detail - Other Accounts

Report each item (when individually or when like items are combined) greater than $10,000 (class AB), $5,000 (class C) and $2,000 (class D) and all other lesser amounts grouped as Miscellaneous. Describe fully using other than account titles.

	Description (a)	Balance End of Year (b)	
Other Investments (124)		0	1
	Investment in ATC	389,457	2
Total (Acct. 124)		**389,457**	3
Sinking Funds (125)		0	4
	Reserve	649,338	5
	Special Redemption	503,126	6
Total (Acct. 125)		**1,152,464**	7
Depreciation Fund (126)		0	8
	Depreciation	25,000	9
Total (Acct. 126)		**25,000**	10
Other Special Funds (128)		0	11
	Plant Maintenance Reserve	510,846	12
	Sick Leave Reserve	176,481	13
Total (Acct. 128)		**687,327**	14
Cash and Working Funds (131)		0	15
	Cash	6,786,544	16
Total (Acct. 131)		**6,786,544**	17
Customer Accounts Receivable (142)		0	18
	Electric	1,520,616	19
Total (Acct. 142)		**1,520,616**	20
Other Accounts Receivable (143)		0	21
	Sewer (Non-regulated)		22
	Merchandising, jobbing and contract work		23
	Miscellaneous	239,188	24
Total (Acct. 143)		**239,188**	25
Receivables from Municipality (145)		0	26
	DUE FROM MUNI	10,182	27
	Interfund Receivable - WRS Unfunded Liability Payoff	337,463	28
Total (Acct. 145)		**347,645**	29
Prepayments (165)		0	30
	Prepaid Insurance	8,402	31
Total (Acct. 165)		**8,402**	32

Balance Sheet Detail - Other Accounts

Report each item (when individually or when like items are combined) greater than $10,000 (class AB), $5,000 (class C) and $2,000 (class D) and all other lesser amounts grouped as Miscellaneous. Describe fully using other than account titles.

Interest and Dividends Receivable (171)	0	33
Interest Receivable	23,727	34
Total (Acct. 171)	**23,727**	35
Miscellaneous Deferred Debits (186)	0	36
Deferred Ouflows of Resources - Pension	405,146	37
Regulatory Asset - Pension	118,353	38
Total (Acct. 186)	**523,499**	39
Accounts Payable (232)	0	40
Accounts Payable	1,217,511	41
Total (Acct. 232)	**1,217,511**	42
Payables to Municipality (233)	0	43
DUE TO MUNI	22,368	44
Stormwater Collections	42,903	45
Total (Acct. 233)	**65,271**	46
Customer Deposits (235)	0	47
Customer Deposits	119,724	48
Total (Acct. 235)	**119,724**	49
Miscellaneous Current and Accrued Liabilities (242)	0	50
Net Pension Liability	52,947	51
Total (Acct. 242)	**52,947**	52
Customer Advances for Construction (252)	0	53
Customer Advances for Construction	28,641	54
Total (Acct. 252)	**28,641**	55
Other Deferred Credits (253)	0	56
Regulatory Liability	132,964	57
Accrued Sales Tax	35,545	58
Accrued Wages and Payroll Withholding	38,420	59
Commitment to Community	21,114	60
Compensated Absences	176,481	61
Deferred Inflows Pension	169,885	62
Miscellaneous	22,847	63
Renewable Energy	7,479	64
Round Up Program	988	65
State Energy Assistance	9,285	66

Balance Sheet Detail - Other Accounts

Report each item (when individually or when like items are combined) greater than $10,000 (class AB), $5,000 (class C) and $2,000 (class D) and all other lesser amounts grouped as Miscellaneous. Describe fully using other than account titles.

Total (Acct. 253)	**615,008**	67

Balance Sheet Detail - Other Accounts

Report each item (when individually or when like items are combined) greater than $10,000 (class AB), $5,000 (class C) and $2,000 (class D) and all other lesser amounts grouped as Miscellaneous. Describe fully using other than account titles.

Balance Sheet Detail - Other Accounts (Page F-22)

Explain amounts in Accounts 143, 145 and/or 233 in excess of $10,000. Provide a short list or detailed description, but do not use terms such as other revenues, general, miscellaneous, or repeat the account title.

143 - At 12/31/2017, Stoughton Utilities was still owed $197,432 from a developer related to the Kettle Park West development. These amounts were collected in February 2018.

145 - Receivable from Municipality for the payoff of the Wisconsin Retirement System unfunded liability.

233 - Administrative and insurance fees due to the City of Stoughton.

Return on Rate Base Computation

- The data used in calculating rate base are averages.
- Calculate those averages by summing the first-of-year and the end-of-year figures for each account and then dividing the sum by two.
- For municipal utilities, do not include contributed plant in service, property held for future use, or construction work in progress with utility plant in service. These are not rate base components.
- For private utilities, do not include property held for future use, or construction work in progress with utility plant in service. These are not rate base components.

Average Rate Base (a)	Water (b)	Electric (c)	Gas (d)	Sewer (e)	Total (f)	
Add Average						1
Utility Plant in Service (101.1)		25,356,008			**25,356,008**	2
Materials and Supplies		158,396			**158,396**	3
Less Average						4
Reserve for Depreciation (111.1)		13,184,294			**13,184,294**	5
Customer Advances for Construction		27,891			**27,891**	6
Regulatory Liability		144,044			**144,044**	7
Average Net Rate Base	**0**	**12,158,175**	**0**	**0**	**12,158,175**	8
Net Operating Income		785,048			**785,048**	9
Net Operating Income as a percent of Average Net Rate Base	**N/A**	**6.46%**	**N/A**	**N/A**	**6.46%**	10

Regulatory Liability - Pre-2003 Historical Accumulated Depreciation on Contributed Utility Plant (253)

Description (a)	Water (b)	Electric (c)	Gas (d)	Sewer (e)	Total (f)	
Balance First of Year	0	155,124	0	0	**155,124**	1
Credits During Year					**0**	2
None					**0**	3
Charges (Deductions)					**0**	4
Miscellaneous Amortization (425)		22,160			**22,160**	5
Balance End of Year	**0**	**132,964**	**0**	**0**	**132,964**	6

Important Changes During the Year

Report changes of any of the following types:

1. Acquisitions

2. Leaseholder changes

3. Extensions of service

4. Estimated changes in revenues due to rate changes
A 1.71% increase in electric rates was effective April 1, 2017.

5. Obligations incurred or assumed, excluding commercial paper

6. Formal proceedings with the Public Service Commission
On January 23, 2017 the Public Service Commission granted approval for Stoughton Utilities to construct a new substation and feeders on the west side of the city for an estimated cost of $2.77 million.

7. Any additional matters

Electric Operating Revenues & Expenses

Description (a)	This Year (b)	Last Year (c)	
Operating Revenues - Sales of Electricity			1
Sales of Electricity (440-448)	15,106,589	14,980,938	2
Total Sales of Electricity	**15,106,589**	**14,980,938**	3
Other Operating Revenues			4
Forfeited Discounts (450)	32,924	35,433	5
Miscellaneous Service Revenues (451)	0	0	6
Sales of Water and Water Power (453)	0	0	7
Rent from Electric Property (454)	82,350	79,953	8
Interdepartmental Rents (455)	0	0	9
Other Electric Revenues (456)	27,760	19,881	10
Total Other Operating Revenues	**143,034**	**135,267**	11
Total Operating Revenues	**15,249,623**	**15,116,205**	12
Operation and Maintenenance Expenses			13
Power Production Expenses (500-557)	11,501,767	11,588,139	14
Transmission Expenses (560-573)	0	0	15
Distribution Expenses (580-598)	637,495	551,178	16
Customer Accounts Expenses (901-905)	259,425	279,492	17
Customer Service and Informational Expenses (906)	0	0	18
Sales Expenses (911-916)	0	0	19
Administrative and General Expenses (920-932)	616,514	682,792	20
Total Operation and Maintenenance Expenses	**13,015,201**	**13,101,601**	21
Other Expenses			22
Depreciation Expense (403)	881,531	869,843	23
Amortization Expense (404-407)			24
Taxes (408)	567,843	547,469	25
Total Other Expenses	**1,449,374**	**1,417,312**	26
Total Operating Expenses	**14,464,575**	**14,518,913**	27
NET OPERATING INCOME	**785,048**	**597,292**	28

Sales of Electricity by Rate Schedule

- Column (i) is the sum of the 12 monthly billed peak demands for all of the customers in each class.
- Column (j) is the sum of the 12 monthly customer (or Distribution) demands for all of the customers in each class.

Type of Sales/Rate Class Title (a)	Rate Schedule (b)	TOD Rate (c)	Demand Rate (d)	Average Number Customers (e)	kWh (f)	On-Peak kWh (g)	Off-Peak kWh (h)	Billed Demand kW (i)	Customer Demand kW (j)	Tariff Revenues (k)	PCAC Revenues (l)	Total Revenues (k+l) (m)	
Residential Sales													
Residential	RG-1	N	N	7,711	63,079,696					7,525,348	42,667	**7,568,015**	1
Residential	RG-2	Y	N	13	109,726	32,491	77,235			11,802	80	**11,882**	2
TOTAL				**7,724**	**63,189,422**	**32,491**	**77,235**	**0**	**0**	**7,537,150**	**42,747**	**7,579,897**	3
Commercial & Industrial													
Small Power	CP-1	N	Y	52	12,792,245			43,188	55,669	1,347,661	6,560	**1,354,221**	4
Small Power	CP-1 TOD	Y	Y	9	2,819,628	1,059,895	1,759,733	7,767	9,146	271,275	2,557	**273,832**	5
Large Power	CP-2	Y	Y	11	12,310,363	5,170,772	7,139,591	31,473	45,849	1,115,189	7,038	**1,122,227**	6
Industrial Power	CP-3	Y	Y	6	30,904,877	14,954,014	15,950,863	83,682	95,518	2,754,699	15,953	**2,770,652**	7
General Service	GS-1	N	N	821	16,231,797					1,874,175	5,430	**1,879,605**	8
General Service	GS-2	Y	N	2	19,847	7,006	12,841			2,198	76	**2,274**	9
TOTAL				**901**	**75,078,757**	**21,191,687**	**24,863,028**	**166,110**	**206,182**	**7,365,197**	**37,614**	**7,402,811**	10
Lighting Service													
Street Lighting	MS-1	N	N	7	785,444					124,848	(967)	**123,881**	11
TOTAL				**7**	**785,444**	**0**	**0**	**0**	**0**	**124,848**	**(967)**	**123,881**	12
GRAND TOTAL				**8,632**	**139,053,623**	**21,224,178**	**24,940,263**	**166,110**	**206,182**	**15,027,195**	**79,394**	**15,106,589**	13

Does the utility serve any dairy farms? YES

Lighting Service - Additional Detail

Lighting Service	Description	No. of Light	
MS-1	High Pressure Sodium - 150 W	21	1
MS-1	High Pressure Sodium - 250 W	550	2
MS-1	LED - 150 W	183	3
MS-1	Mercury Vapor - 250 W	4	4

Electric Other Operating Revenues

- Report revenues relating to each account and fully describe each item using other than the account title.
- Report each item (when individually or when like items are combined) greater than $10,000 (class AB), $5,000 (class C) and all other lesser amounts grouped as Miscellaneous.

Description (a)	Amount (b)	
Forfeited Discounts (450)		1
Customer late payment charges	32,924	2
Total Forfeited Discounts (450)	**32,924**	3
Miscellaneous Service Revenues (451)		4
None		5
Total Miscellaneous Service Revenues (451)	**0**	6
Sales of Water and Water Power (453)		7
None		8
Total Sales of Water and Water Power (453)	**0**	9
Rent from Electric Property (454)		10
Pole Attachment Fees	82,350	11
Total Rent from Electric Property (454)	**82,350**	12
Interdepartmental Rents (455)		13
None		14
Total Interdepartmental Rents (455)	**0**	15
Other Electric Revenues (456)		16
Miscellaneous	27,760	17
Total Other Electric Revenues (456)	**27,760**	18

Electric Operation & Maintenance Expenses

- Each expense account that has a difference between This Year and Last Year greater than 15 percent and $10,000 (class AB), 25 percent and $5,000 (class C), 30 percent and $2,000 (class D) shall be fully explained in the schedule footnotes.
- Class C and class D report all expenses in Other Expense (column c)

Description (a)	Labor Expense (b)	Other Expense (c)	Total This Year (d)	Last Year (e)	
POWER PRODUCTION EXPENSES					1
STEAM POWER GENERATION EXPENSES					2
Operation Supervision and Engineering (500)			0	0	3
Fuel (501)			0	0	4
Steam Expenses (502)			0	0	5
Steam from Other Sources (503)			0	0	6
Steam Transferred -- Credit (504)			0	0	7
Electric Expenses (505)			0	0	8
Miscellaneous Steam Power Expenses (506)			0	0	9
Rents (507)			0	0	10
Maintenance Supervision and Engineering (510)			0	0	11
Maintenance of Structures (511)			0	0	12
Maintenance of Boiler Plant (512)			0	0	13
Maintenance of Electric Plant (513)			0	0	14
Maintenance of Miscellaneous Steam Plant (514)			0	0	15
Total Steam Power Generation Expenses	**0**	**0**	**0**	**0**	16
HYDRAULIC POWER GENERATION EXPENSES					17
Operation Supervision and Engineering (535)			0	0	18
Water for Power (536)			0	0	19
Hydraulic Expenses (537)			0	0	20
Electric Expenses (538)			0	0	21
Miscellaneous Hydraulic Power Generation Expenses (539)			0	0	22
Rents (540)			0	0	23
Maintenance Supervision and Engineering (541)			0	0	24
Maintenance of Structures (542)			0	0	25
Maintenance of Reservoirs, Dams and Waterways (543)			0	0	26
Maintenance of Electric Plant (544)			0	0	27
Maintenance of Miscellaneous Hydraulic Plant (545)			0	0	28
Total Hydraulic Power Generation Expenses	**0**	**0**	**0**	**0**	29
OTHER POWER GENERATION EXPENSES					30
Operation Supervision and Engineering (546)			0	0	31
Fuel (547)			0	0	32
Generation Expenses (548)			0	0	33
Miscellaneous Other Power Generation Expenses (549)			0	0	34
Rents (550)			0	0	35
Maintenance Supervision and Engineering (551)			0	0	36
Maintenance of Structures (552)			0	0	37
Maintenance of Generating and Electric Plant (553)			0	0	38
Maintenance of Miscellaneous Other Power Generating Plant (554)			0	0	39
Total Other Power Generation Expenses	**0**	**0**	**0**	**0**	40
OTHER POWER SUPPLY EXPENSES					41

Electric Operation & Maintenance Expenses

- Each expense account that has a difference between This Year and Last Year greater than 15 percent and $10,000 (class AB), 25 percent and $5,000 (class C), 30 percent and $2,000 (class D) shall be fully explained in the schedule footnotes.
- Class C and class D report all expenses in Other Expense (column c)

Description (a)	Labor Expense (b)	Other Expense (c)	Total This Year (d)	Last Year (e)		
Purchased Power (555)		11,453,973	11,453,973	11,549,233		42
System Control and Load Dispatching (556)			0	0		43
Other Expenses (557)		47,794	47,794	38,906		44
Total Other Power Supply Expenses	**0**	**11,501,767**	**11,501,767**	**11,588,139**		45
Total Power Production Expenses	**0**	**11,501,767**	**11,501,767**	**11,588,139**		46
TRANSMISSION EXPENSES						47
Operation Supervision and Engineering (560)			0	0		48
Load Dispatching (561)			0	0		49
Station Expenses (562)			0	0		50
Overhead Line Expenses (563)			0	0		51
Underground Line Expenses (564)			0	0		52
Miscellaneous Transmission Expenses (566)			0	0		53
Rents (567)			0	0		54
Maintenance Supervision and Engineering (568)			0	0		55
Maintenance of Structures (569)			0	0		56
Maintenance of Station Equipment (570)			0	0		57
Maintenance of Overhead Lines (571)			0	0		58
Maintenance of Underground Lines (572)			0	0		59
Maintenance of Miscellaneous Transmission Plant (573)			0	0		60
Total Transmission Expenses	**0**	**0**	**0**	**0**		61
DISTRIBUTION EXPENSES						62
Operation Supervision and Engineering (580)	16,411		16,411	3,431	*	63
Load Dispatching (581)			0	0		64
Station Expenses (582)			0	0		65
Overhead Line Expenses (583)			0	0		66
Underground Line Expenses (584)			0	0		67
Street Lighting and Signal System Expenses (585)			0	0		68
Meter Expenses (586)		5,577	5,577	19,195	*	69
Customer Installations Expenses (587)			0	109		70
Miscellaneous Distribution Expenses (588)	50,531	2,553	53,084	70,220	*	71
Rents (589)			0	0		72
Maintenance Supervision and Engineering (590)	482		482	21,774	*	73
Maintenance of Structures (591)			0	0		74
Maintenance of Station Equipment (592)	48,479	9,735	58,214	53,514		75
Maintenance of Overhead Lines (593)	144,767	200,780	345,547	257,617	*	76
Maintenance of Underground Lines (594)	63,466	42,476	105,942	89,134	*	77
Maintenance of Line Transformers (595)	3,413	2,144	5,557	2,659		78
Maintenance of Street Lighting and Signal Systems (596)	5,116	1,918	7,034	6,325		79
Maintenance of Meters (597)	34,067	5,580	39,647	27,200	*	80
Maintenance of Miscellaneous Distribution Plant (598)			0	0		81
Total Distribution Expenses	**366,732**	**270,763**	**637,495**	**551,178**		82

Electric Operation & Maintenance Expenses

- Each expense account that has a difference between This Year and Last Year greater than 15 percent and $10,000 (class AB), 25 percent and $5,000 (class C), 30 percent and $2,000 (class D) shall be fully explained in the schedule footnotes.
- Class C and class D report all expenses in Other Expense (column c)

Description (a)	Labor Expense (b)	Other Expense (c)	Total This Year (d)	Last Year (e)	
CUSTOMER ACCOUNTS EXPENSES					83
Supervision (901)			0	0	84
Meter Reading Expenses (902)	4,627		4,627	3,900	85
Customer Records and Collection Expenses (903)	115,410	131,303	246,713	261,008	86
Uncollectible Accounts (904)		8,085	8,085	14,584	87
Miscellaneous Customer Accounts Expenses (905)			0	0	88
Total Customer Accounts Expenses	**120,037**	**139,388**	**259,425**	**279,492**	89
CUSTOMER SERVICE AND INFORMATIONAL EXPENSES					90
Customer Service and Informational Expenses (906)			0	0	91
Total Customer Service and Informational Expenses	**0**	**0**	**0**	**0**	92
SALES EXPENSES					93
Supervision (911)			0	0	94
Demonstrating and Selling Expenses (912)			0	0	95
Advertising Expenses (913)			0	0	96
Miscellaneous Sales Expenses (916)			0	0	97
Total Sales Expenses	**0**	**0**	**0**	**0**	98
ADMINISTRATIVE AND GENERAL EXPENSES					99
Administrative and General Salaries (920)	212,150	30,850	243,000	266,232	100
Office Supplies and Expenses (921)		49,340	49,340	54,679	101
Administrative Expenses Transferred -- Credit (922)			0	0	102
Outside Services Employed (923)		23,734	23,734	23,697	103
Property Insurance (924)		31,228	31,228	30,397	104
Injuries and Damages (925)	4,746	32,994	37,740	36,826	105
Employee Pensions and Benefits (926)		157,034	157,034	198,333 *	106
Regulatory Commission Expenses (928)		4,887	4,887	2,783	107
Duplicate Charges -- Credit (929)			0	0	108
Miscellaneous General Expenses (930)	222	1,170	1,392	500	109
Rents (931)		11,674	11,674	11,680	110
Maintenance of General Plant (932)	34,433	22,052	56,485	57,665	111
Total Administrative and General Expenses	**251,551**	**364,963**	**616,514**	**682,792**	112
TOTAL OPERATION AND MAINTENANCE EXPENSES	**738,320**	**12,276,881**	**13,015,201**	**13,101,601**	113

Electric Operation & Maintenance Expenses

- Each expense account that has a difference between This Year and Last Year greater than 15 percent and $10,000 (class AB), 25 percent and $5,000 (class C), 30 percent and $2,000 (class D) shall be fully explained in the schedule footnotes.
- Class C and class D report all expenses in Other Expense (column c)

Electric Operation & Maintenance Expenses (Page E-04)

Explain all This Year amounts that are more than 15% and $10,000 higher or lower than the Last Year amount.

580 - During 2016 our Utilities Superintendent only charged 73 hours to this particular account, but in 2017 he charged 258 hours to this account due to a shift in duties during the year. We also chose to spread our clearing accounts out to more O&M accounts which resulted in an additional $3,620 cleared to this account in 2017. There were no clearing costs allocated to this account in 2016.

586 - During 2016 the Utilities' auditors allocated $8,530 in clearing amounts to this account while no clearing amounts were allocated to this account in 2017.

588 - During 2016 there were 1,583 hours charged to this account while in 2017 there were only 1,451 hours charged to this account. We also chose to spread our clearing amounts to more O&M accounts resulting in $8,600 less allocated to this account in 2017.

590 - During 2016 our Electric System Supervisor charged 530 hours to this account. That individual left at the end of 2016 and only minimal time was charged here in 2017.

593 - During 2017 the Utilities undertook a large tree trimming project costing $152,000. This increase was offset by a reduction in internal hours of 1,115 compared to 2016 as this work was outsourced and more time was spent on capital related projects and underground maintenance.

594 - An additional 374 hours were spent on underground maintenance in 2017 compared to 2016.

597 - An additional 103 hours were spent on meter maintenance in 2017 compared to 2016. We also chose to spread our clearing accounts out to more O&M accounts which resulted in an additional $6,000 cleared to this account in 2017. There were no clearing costs allocated to this account in 2016.

926 - 2016 included a significant amount of trailing self-insured costs and due to the increased capital activity during 2017, more amounts were allocated to capital projects compared to 2016.

Taxes (Acct. 408 - Electric)

When allocation of taxes is made between departments, explain method used.

Description of Tax (a)	This Year (b)	Last Year (c)	
Property Tax Equivalent	394,626	376,785	1
Social Security	80,521	75,013	2
Wisconsin Gross Receipts Tax	97,781	93,601	3
PSC Remainder Assessment	13,732	14,832	4
Tax Clearing	(18,817)	(12,762)	5
Total Tax Expense	**567,843**	**547,469**	6

Electric Property Tax Equivalent - Detail

- Tax rates are those issued in November (usually) of the year being reported and are available from the municipal treasurer. Report the tax rates in mills to six (6) decimal places.
- The assessment ratio is available from the municipal treasurer. Report the ratio as a decimal to six (6) places.
- The utility plant balance first of year should include the gross book values of plant in service (total of utility financed and contributed plant), property held for future use and construction work in progress.
- An "other tax rate" is included in the "Net Local and School Tax Rate Calculation" to the extent that it is local. An example is a local library tax. Fully explain the rate in the Property Tax Equivalent schedule footnotes.
- **Property Tax Equivalent - Total**
  If the municipality has authorized a lower tax equivalent amount, the authorization description and date of the authorization must be reported in the schedule footnotes. If the municipality has NOT authorized a lower amount, leave the cell blank.

COUNTY: DANE(1)

SUMMARY OF TAX RATES		
1. State Tax Rate	mills	0.000000
2. County Tax Rate	mills	3.176881
3. Local Tax Rate	mills	8.432993
4. School Tax Rate	mills	11.568206
5. Vocational School Tax Rate	mills	0.952070
6. Other Tax Rate - Local	mills	0.000000
7. Other Tax Rate - Non-Local	mills	0.000000
8. Total Tax Rate	mills	**24.130150**
9. Less: State Credit	mills	1.946169
11. Net Tax Rate	mills	**22.183981**

PROPERTY TAX EQUIVALENT CALCULATION		
12. Local Tax Rate	mills	**8.432993**
13. Combined School Tax Rate	mills	**12.520276**
14. Other Tax Rate - Local	mills	**0.000000**
15. Total Local & School Tax Rate	mills	**20.953269**
16. Total Tax Rate	mills	**24.130150**
17. Ratio of Local and School Tax to Total	dec.	**0.868344**
18. Total Tax Net of State Credit	mills	**22.183981**
19. Net Local and School Tax Rate	mills	**19.263325**
20. Utility Plant, Jan 1	$	28,832,058
21. Materials & Supplies	$	163,294
22. Subtotal	$	**28,995,352**
23. Less: Plant Outside Limits	$	8,250,300
24. Taxable Assets	$	**20,745,052**
25. Assessment Ratio	dec.	0.987506
26. Assessed Value	$	**20,485,863**
27. Net Local and School Tax Rate	mills	**19.263325**
28. Tax Equiv. Computed for Current Year	$	**394,626**

PROPERTY TAX EQUIVALENT - TOTAL

PROPERTY TAX EQUIVALENT CALCULATION		
1. Utility Plant, Jan 1	$	28,832,058
2. Materials & Supplies	$	163,294
3. Subtotal	$	**28,995,352**
4. Less: Plant Outside Limits	$	8,250,300
5. Taxable Assets	$	**20,745,052**
6. Assessed Value	$	**20,485,863**
7. Tax Equiv. Computed for Current Year	$	**394,626**
8. Tax Equivalent per 1994 PSC Report	$	118,192
9. Amount of Lower Tax Equiv. as Authorized by Municipality for Current Year (see notes)	$	
10. Tax Equivalent for Current Year (see notes)	**$**	**394,626**

Electric Utility Plant in Service - Plant Financed by Utility or Municipality

- All adjustments, corrections and reclassifications (including to/from plant financed by contributions) should be reported in Column (e), Adjustments.
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- Explain as a footnote the dollar additions and retirements reported in Columns (c) and (d) for each account over $100,000(class AB), $50,000 (class C). If applicable, provide construction authorization.
- Use only the account titles listed. If the utility has subaccounts other than accounts 391.1 and 397.1, combine them into one total and detail by subaccount as a schedule footnote.

Accounts (a)	Balance First of Year (b)	Additions During Year (c)	Retirements During Year (d)	Adjustments Increase or (Decrease) (e)	Balance End of Year (f)	
INTANGIBLE PLANT						1
Organization (301)	0				**0**	2
Franchises and Consents (302)	0				**0**	3
Miscellaneous Intangible Plant (303)	0				**0**	4
Total Intangible Plant	**0**	**0**	**0**	**0**	**0**	5
STEAM PRODUCTION PLANT						6
Land and Land Rights (310)	0				**0**	7
Structures and Improvements (311)	0				**0**	8
Boiler Plant Equipment (312)	0				**0**	9
Engines and Engine Driven Generators (313)	0				**0**	10
Turbogenerator Units (314)	0				**0**	11
Accessory Electric Equipment (315)	0				**0**	12
Miscellaneous Power Plant Equipment (316)	0				**0**	13
Total Steam Production Plant	**0**	**0**	**0**	**0**	**0**	14
HYDRAULIC PRODUCTION PLANT						15
Land and Land Rights (330)	0				**0**	16
Structures and Improvements (331)	0				**0**	17
Reservoirs, Dams and Waterways (332)	0				**0**	18
Water Wheels, Turbines and Generators (333)	0				**0**	19
Accessory Electric Equipment (334)	0				**0**	20
Miscellaneous Power Plant Equipment (335)	0				**0**	21
Roads, Railroads and Bridges (336)	0				**0**	22
Total Hydraulic Production Plant	**0**	**0**	**0**	**0**	**0**	23
OTHER PRODUCTION PLANT						24
Land and Land Rights (340)	0				**0**	25
Structures and Improvements (341)	0				**0**	26
Fuel Holders, Producers and Accessories (342)	0				**0**	27
Prime Movers (343)	0				**0**	28
Generators (344)	0				**0**	29
Accessory Electric Equipment (345)	0				**0**	30
Miscellaneous Power Plant Equipment (346)	0				**0**	31
Total Other Production Plant	**0**	**0**	**0**	**0**	**0**	32
TRANSMISSION PLANT						33
Land and Land Rights (350)	1				**1**	34
Structures and Improvements (352)	0				**0**	35
Station Equipment (353)	0				**0**	36
Towers and Fixtures (354)	0				**0**	37

Electric Utility Plant in Service - Plant Financed by Utility or Municipality

- All adjustments, corrections and reclassifications (including to/from plant financed by contributions) should be reported in Column (e), Adjustments.
- Explain fully as a footnote the nature of all entries reported in Column (e), Adjustments.
- Explain as a footnote the dollar additions and retirements reported in Columns (c) and (d) for each account over $100,000(class AB), $50,000 (class C). If applicable, provide construction authorization.
- Use only the account titles listed. If the utility has subaccounts other than accounts 391.1 and 397.1, combine them into one total and detail by subaccount as a schedule footnote.

Accounts (a)	Balance First of Year (b)	Additions During Year (c)	Retirements During Year (d)	Adjustments Increase or (Decrease) (e)	Balance End of Year (f)	
Poles and Fixtures (355)	5,035				**5,035**	38
Overhead Conductors and Devices (356)	9,984				**9,984**	39
Underground Conduit (357)	0				**0**	40
Underground Conductors and Devices (358)	0				**0**	41
Roads and Trails (359)	0				**0**	42
Total Transmission Plant	**15,020**	**0**	**0**	**0**	**15,020**	43
DISTRIBUTION PLANT						44
Land and Land Rights (360)	220,796				**220,796**	45
Structures and Improvements (361)	52,834				**52,834**	46
Station Equipment (362)	4,336,785	2,085			**4,338,870**	47
Storage Battery Equipment (363)	0				**0**	48
Poles, Towers and Fixtures (364)	2,766,601	127,262	30,395		**2,863,468**	49
Overhead Conductors and Devices (365)	5,021,207	156,574	54,404		**5,123,377**	50
Underground Conduit (366)	437,382	72,746	297		**509,831**	51
Underground Conductors and Devices (367)	2,537,221	320,476	12,884		**2,844,813**	52
Line Transformers (368)	3,059,622	151,535	11,468		**3,199,689**	53
Services (369)	1,474,788	46,605	5,844		**1,515,549**	54
Meters (370)	666,610	15,825	1,628		**680,807**	55
Installations on Customers' Premises (371)	0				**0**	56
Leased Property on Customers' Premises (372)	0				**0**	57
Street Lighting and Signal Systems (373)	457,025	32,946	16,197		**473,774**	58
Total Distribution Plant	**21,030,871**	**926,054**	**133,117**	**0**	**21,823,808**	59
GENERAL PLANT						60
Land and Land Rights (389)	0				**0**	61
Structures and Improvements (390)	1,656,659				**1,656,659**	62
Office Furniture and Equipment (391)	215,400	1,570			**216,970**	63
Computer Equipment (391.1)	471,130				**471,130**	64
Transportation Equipment (392)	307,377		22,969		**284,408**	65
Stores Equipment (393)	9,984				**9,984**	66
Tools, Shop and Garage Equipment (394)	81,791	5,746			**87,537**	67
Laboratory Equipment (395)	60,822				**60,822**	68
Power Operated Equipment (396)	1,019,002	27,900	18,503		**1,028,399**	69
Communication Equipment (397)	92,122				**92,122**	70
SCADA Equipment (397.1)	0				**0**	71
Miscellaneous Equipment (398)	2,490				**2,490**	72
Other Tangible Property (399)	0				**0**	73
Total General Plant	**3,916,777**	**35,216**	**41,472**	**0**	**3,910,521**	74
Total utility plant in service directly assignable	**24,962,668**	**961,270**	**174,589**	**0**	**25,749,349**	75

Electric Utility Plant in Service - Plant Financed by Utility or Municipality

- All adjustments, corrections and reclassifications (including to/from plant financed by contributions) should be reported in Column (e), Adjustments.
- Explain fully as a footnote the nature of all entries reported in Column (e), Adjustments.
- Explain as a footnote the dollar additions and retirements reported in Columns (c) and (d) for each account over $100,000(class AB), $50,000 (class C). If applicable, provide construction authorization.
- Use only the account titles listed. If the utility has subaccounts other than accounts 391.1 and 397.1, combine them into one total and detail by subaccount as a schedule footnote.

Accounts (a)	Balance First of Year (b)	Additions During Year (c)	Retirements During Year (d)	Adjustments Increase or (Decrease) (e)	Balance End of Year (f)	
Common Utility Plant Allocated to Electric Department	**0**				**0**	76
TOTAL UTILITY PLANT IN SERVICE	**24,962,668**	**961,270**	**174,589**	**0**	**25,749,349**	77

Electric Utility Plant in Service - Plant Financed by Utility or Municipality

- All adjustments, corrections and reclassifications (including to/from plant financed by contributions) should be reported in Column (e), Adjustments.
- Explain fully as a footnote the nature of all entries reported in Column (e), Adjustments.
- Explain as a footnote the dollar additions and retirements reported in Columns (c) and (d) for each account over $100,000(class AB), $50,000 (class C). If applicable, provide construction authorization.
- Use only the account titles listed. If the utility has subaccounts other than accounts 391.1 and 397.1, combine them into one total and detail by subaccount as a schedule footnote.

Electric Utility Plant in Service - Plant Financed by Utility or Municipality (Page E-07)

Additions for one or more accounts exceed $100,000, please explain.

Four accounts had additions exceeding $100,000 that totaled $755,846. Stoughton Utilities undertook five projects during 2017 that make up $509,400 of those additions. The projects are as follows:
- Keenan Land UG Rebuild - $69,119
- Hyland Dr UG Rebuild - $88,738
- Skaalen Home Primary Metering - $28,492
- North Side OH to UG Rebuild - $107,519
- HWY 138 OH Rebuild - $215,527

Electric Utility Plant in Service - Plant Financed by Contributions

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- Use only the account titles listed. If the utility has subaccounts other than accounts 391.1 and 397.1, combine them into one total and detail by subaccount as a schedule footnote.

Accounts (a)	Balance First of Year (b)	Additions During Year (c)	Retirements During Year (d)	Adjustments Increase or (Decrease) (e)	Balance End of Year (f)	
INTANGIBLE PLANT						1
Organization (301)	0				**0**	2
Franchises and Consents (302)	0				**0**	3
Miscellaneous Intangible Plant (303)	0				**0**	4
Total Intangible Plant	**0**	**0**	**0**	**0**	**0**	5
STEAM PRODUCTION PLANT						6
Land and Land Rights (310)	0				**0**	7
Structures and Improvements (311)	0				**0**	8
Boiler Plant Equipment (312)	0				**0**	9
Engines and Engine Driven Generators (313)	0				**0**	10
Turbogenerator Units (314)	0				**0**	11
Accessory Electric Equipment (315)	0				**0**	12
Miscellaneous Power Plant Equipment (316)	0				**0**	13
Total Steam Production Plant	**0**	**0**	**0**	**0**	**0**	14
HYDRAULIC PRODUCTION PLANT						15
Land and Land Rights (330)	0				**0**	16
Structures and Improvements (331)	0				**0**	17
Reservoirs, Dams and Waterways (332)	0				**0**	18
Water Wheels, Turbines and Generators (333)	0				**0**	19
Accessory Electric Equipment (334)	0				**0**	20
Miscellaneous Power Plant Equipment (335)	0				**0**	21
Roads, Railroads and Bridges (336)	0				**0**	22
Total Hydraulic Production Plant	**0**	**0**	**0**	**0**	**0**	23
OTHER PRODUCTION PLANT						24
Land and Land Rights (340)	0				**0**	25
Structures and Improvements (341)	0				**0**	26
Fuel Holders, Producers and Accessories (342)	0				**0**	27
Prime Movers (343)	0				**0**	28
Generators (344)	0				**0**	29
Accessory Electric Equipment (345)	0				**0**	30
Miscellaneous Power Plant Equipment (346)	0				**0**	31
Total Other Production Plant	**0**	**0**	**0**	**0**	**0**	32
TRANSMISSION PLANT						33
Land and Land Rights (350)	0				**0**	34
Structures and Improvements (352)	0				**0**	35
Station Equipment (353)	0				**0**	36
Towers and Fixtures (354)	0				**0**	37

Electric Utility Plant in Service - Plant Financed by Contributions

- All adjustments, corrections and reclassifications (including to/from plant financed by contributions) should be reported in Column (e), Adjustments.
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- Use only the account titles listed. If the utility has subaccounts other than accounts 391.1 and 397.1, combine them into one total and detail by subaccount as a schedule footnote.

Accounts (a)	Balance First of Year (b)	Additions During Year (c)	Retirements During Year (d)	Adjustments Increase or (Decrease) (e)	Balance End of Year (f)	
Poles and Fixtures (355)	0				**0**	38
Overhead Conductors and Devices (356)	0				**0**	39
Underground Conduit (357)	0				**0**	40
Underground Conductors and Devices (358)	0				**0**	41
Roads and Trails (359)	0				**0**	42
Total Transmission Plant	**0**	**0**	**0**	**0**	**0**	43
DISTRIBUTION PLANT						44
Land and Land Rights (360)	0				**0**	45
Structures and Improvements (361)	0				**0**	46
Station Equipment (362)	0				**0**	47
Storage Battery Equipment (363)	0				**0**	48
Poles, Towers and Fixtures (364)	552,440	13,052	6,069		**559,423**	49
Overhead Conductors and Devices (365)	808,941	12,440	8,765		**812,616**	50
Underground Conduit (366)	101,431	13,903	69		**115,265**	51
Underground Conductors and Devices (367)	1,165,253	53,056	5,917		**1,212,392**	52
Line Transformers (368)	38,101	11,911			**50,012**	53
Services (369)	347,988	16,820	1,379		**363,429**	54
Meters (370)	5,312	459			**5,771**	55
Installations on Customers' Premises (371)	0				**0**	56
Leased Property on Customers' Premises (372)	0				**0**	57
Street Lighting and Signal Systems (373)	108,111	11,345	3,831		**115,625**	58
Total Distribution Plant	**3,127,577**	**132,986**	**26,030**	**0**	**3,234,533**	59
GENERAL PLANT						60
Land and Land Rights (389)	0				**0**	61
Structures and Improvements (390)	0				**0**	62
Office Furniture and Equipment (391)	0				**0**	63
Computer Equipment (391.1)	0				**0**	64
Transportation Equipment (392)	2,750		2,750		**0**	65
Stores Equipment (393)	0				**0**	66
Tools, Shop and Garage Equipment (394)	0				**0**	67
Laboratory Equipment (395)	0				**0**	68
Power Operated Equipment (396)	194,500				**194,500**	69
Communication Equipment (397)	0				**0**	70
SCADA Equipment (397.1)	0				**0**	71
Miscellaneous Equipment (398)	2,500				**2,500**	72
Other Tangible Property (399)	0				**0**	73
Total General Plant	**199,750**	**0**	**2,750**	**0**	**197,000**	74
Total utility plant in service directly assignable	**3,327,327**	**132,986**	**28,780**	**0**	**3,431,533**	75

Electric Utility Plant in Service - Plant Financed by Contributions

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- Use only the account titles listed. If the utility has subaccounts other than accounts 391.1 and 397.1, combine them into one total and detail by subaccount as a schedule footnote.

Accounts (a)	Balance First of Year (b)	Additions During Year (c)	Retirements During Year (d)	Adjustments Increase or (Decrease) (e)	Balance End of Year (f)	
Common Utility Plant Allocated to Electric Department	**0**				**0**	76
TOTAL UTILITY PLANT IN SERVICE	**3,327,327**	**132,986**	**28,780**	**0**	**3,431,533**	77

Electric Accumulated Provision for Depreciation - Plant Financed by Utility or Municipality

- Use only the account titles listed. If the utility has subaccounts other than accounts 391.1 and 397.1, combine them into one total and detail by subaccount in a schedule footnote.
- If more than one depreciation rate is used, report the average rate in column (c).
- Enter depreciation rates in decimal form. For example, enter 6.75% as 0.0675

Primary Plant Accounts (a)	Balance First of Year (b)	Rate % Used (c)	Accruals During Year (d)	Book Cost of Plant Retired (e)	Cost of Removal (f)	Salvage (g)	Adjustments Increase or (Decrease) (h)	Balance End of Year (i)	
STEAM PRODUCTION PLANT									1
Structures and Improvements (311)	0							**0**	2
Boiler Plant Equipment (312)	0							**0**	3
Engines and Engine Driven Generators (313)	0							**0**	4
Turbogenerator Units (314)	0							**0**	5
Accessory Electric Equipment (315)	0							**0**	6
Miscellaneous Power Plant Equipment (316)	0							**0**	7
Total Steam Production Plant	**0**		**0**	**0**	**0**	**0**	**0**	**0**	8
HYDRAULIC PRODUCTION PLANT									9
Structures and Improvements (331)	0							**0**	10
Reservoirs, Dams and Waterways (332)	0							**0**	11
Water Wheels, Turbines and Generators (333)	0							**0**	12
Accessory Electric Equipment (334)	0							**0**	13
Miscellaneous Power Plant Equipment (335)	0							**0**	14
Roads, Railroads and Bridges (336)	0							**0**	15
Total Hydraulic Production Plant	**0**		**0**	**0**	**0**	**0**	**0**	**0**	16
OTHER PRODUCTION PLANT									17
Structures and Improvements (341)	0							**0**	18
Fuel Holders, Producers and Accessories (342)	0							**0**	19
Prime Movers (343)	0							**0**	20
Generators (344)	0							**0**	21
Accessory Electric Equipment (345)	0							**0**	22
Miscellaneous Power Plant Equipment (346)	0							**0**	23
Total Other Production Plant	**0**		**0**	**0**	**0**	**0**	**0**	**0**	24
TRANSMISSION PLANT									25
Structures and Improvements (352)	0							**0**	26
Station Equipment (353)	0							**0**	27

Electric Accumulated Provision for Depreciation - Plant Financed by Utility or Municipality

- Use only the account titles listed. If the utility has subaccounts other than accounts 391.1 and 397.1, combine them into one total and detail by subaccount in a schedule footnote.
- If more than one depreciation rate is used, report the average rate in column (c).
- Enter depreciation rates in decimal form. For example, enter 6.75% as 0.0675

Primary Plant Accounts (a)	Balance First of Year (b)	Rate % Used (c)	Accruals During Year (d)	Book Cost of Plant Retired (e)	Cost of Removal (f)	Salvage (g)	Adjustments Increase or (Decrease) (h)	Balance End of Year (i)	
Towers and Fixtures (354)	0							**0**	28
Poles and Fixtures (355)	7,473	3.03%						**7,473**	29
Overhead Conductors and Devices (356)	11,893	3.03%						**11,893**	30
Underground Conduit (357)	0							**0**	31
Underground Conductors and Devices (358)	0							**0**	32
Roads and Trails (359)	0							**0**	33
Total Transmission Plant	**19,366**		**0**	**0**	**0**	**0**	**0**	**19,366**	34
DISTRIBUTION PLANT									35
Structures and Improvements (361)	31,696	1.85%	977					**32,673**	36
Station Equipment (362)	2,911,256	3.45%	149,655					**3,060,911**	37
Storage Battery Equipment (363)	0							**0**	38
Poles, Towers and Fixtures (364)	1,397,632	3.83%	107,816	30,395	1,102			**1,473,951**	39
Overhead Conductors and Devices (365)	2,071,774	3.79%	192,240	54,404	585	601		**2,209,626**	40
Underground Conduit (366)	82,426	2.50%	11,840	297		684		**94,653**	41
Underground Conductors and Devices (367)	1,096,695	3.70%	99,568	12,884	585	7		**1,182,801**	42
Line Transformers (368)	1,108,202	3.33%	104,218	11,468	3,247	1,080		**1,198,785**	43
Services (369)	891,951	3.67%	54,873	5,844	1,146			**939,834**	44
Meters (370)	210,364	3.70%	24,927	1,628				**233,663**	45
Installations on Customers' Premises (371)	0							**0**	46
Leased Property on Customers' Premises (372)	0							**0**	47
Street Lighting and Signal Systems (373)	192,181	4.00%	18,616	16,197	477			**194,123**	48
Total Distribution Plant	**9,994,177**		**764,730**	**133,117**	**7,142**	**2,372**	**0**	**10,621,020**	49
GENERAL PLANT									50
Structures and Improvements (390)	863,185	33.30%	55,167					**918,352**	51
Office Furniture and Equipment (391)	131,670	6.50%	14,052					**145,722**	52
Computer Equipment (391.1)	191,677	20.00%						**191,677**	53
Transportation Equipment (392)	228,735	10.00%	16,460	22,969		2,500		**224,726**	54

Electric Accumulated Provision for Depreciation - Plant Financed by Utility or Municipality

- Use only the account titles listed. If the utility has subaccounts other than accounts 391.1 and 397.1, combine them into one total and detail by subaccount in a schedule footnote.
- If more than one depreciation rate is used, report the average rate in column (c).
- Enter depreciation rates in decimal form. For example, enter 6.75% as 0.0675

Primary Plant Accounts (a)	Balance First of Year (b)	Rate % Used (c)	Accruals During Year (d)	Book Cost of Plant Retired (e)	Cost of Removal (f)	Salvage (g)	Adjustments Increase or (Decrease) (h)	Balance End of Year (i)	
Stores Equipment (393)	7,626	5.00%	499					**8,125**	55
Tools, Shop and Garage Equipment (394)	81,806	6.67%	5,647					**87,453**	56
Laboratory Equipment (395)	39,149	5.26%	3,199					**42,348**	57
Power Operated Equipment (396)	927,210	10.00%	30,635	18,503		64		**939,406**	58
Communication Equipment (397)	323,444	10.00%	37,158					**360,602**	59
SCADA Equipment (397.1)	0							**0**	60
Miscellaneous Equipment (398)	811	5.00%	125					**936**	61
Other Tangible Property (399)	0							**0**	62
Total General Plant	**2,795,313**		**162,942**	**41,472**	**0**	**2,564**	**0**	**2,919,347**	63
Total accum. prov. directly assignable	**12,808,856**		**927,672**	**174,589**	**7,142**	**4,936**	**0**	**13,559,733**	64
Common Utility Plant Allocated to Electric Department	0							**0**	65
TOTAL ACCUM, PROV, FOR DEPRECIATION	**12,808,856**		**927,672**	**174,589**	**7,142**	**4,936**	**0**	**13,559,733**	66

Electric Accumulated Provision for Depreciation - Plant Financed by Utility or Municipality

- Use only the account titles listed. If the utility has subaccounts other than accounts 391.1 and 397.1, combine them into one total and detail by subaccount in a schedule footnote.
- If more than one depreciation rate is used, report the average rate in column (c).
- Enter depreciation rates in decimal form. For example, enter 6.75% as 0.0675

Electric Accumulated Provision for Depreciation - Plant Financed by Utility or Municipality (Page E-09)

End of Year Balance is greater than the equivalent Plant in Service (Financed by Utility or Municipality) EOY Balance, please explain.

Accounts 355 and 356 are slightly over depreciated. No further depreciation will be taken.

Electric Accumulated Provision for Depreciation - Plant Financed by Contributions

- Use only the account titles listed. If the utility has subaccounts other than accounts 391.1 and 397.1, combine them into one total and detail by subaccount in a schedule footnote.
- If more than one depreciation rate is used, report the average rate in column (c).
- Enter depreciation rates in decimal form. For example, enter 6.75% as 0.0675

Primary Plant Accounts (a)	Balance First of Year (b)	Rate % Used (c)	Accruals During Year (d)	Book Cost of Plant Retired (e)	Cost of Removal (f)	Salvage (g)	Adjustments Increase or (Decrease) (h)	Balance End of Year (i)	
STEAM PRODUCTION PLANT									1
Structures and Improvements (311)	0							**0**	2
Boiler Plant Equipment (312)	0							**0**	3
Engines and Engine Driven Generators (313)	0							**0**	4
Turbogenerator Units (314)	0							**0**	5
Accessory Electric Equipment (315)	0							**0**	6
Miscellaneous Power Plant Equipment (316)	0							**0**	7
Total Steam Production Plant	**0**		**0**	**0**	**0**	**0**	**0**	**0**	8
HYDRAULIC PRODUCTION PLANT									9
Structures and Improvements (331)	0							**0**	10
Reservoirs, Dams and Waterways (332)	0							**0**	11
Water Wheels, Turbines and Generators (333)	0							**0**	12
Accessory Electric Equipment (334)	0							**0**	13
Miscellaneous Power Plant Equipment (335)	0							**0**	14
Roads, Railroads and Bridges (336)	0							**0**	15
Total Hydraulic Production Plant	**0**		**0**	**0**	**0**	**0**	**0**	**0**	16
OTHER PRODUCTION PLANT									17
Structures and Improvements (341)	0							**0**	18
Fuel Holders, Producers and Accessories (342)	0							**0**	19
Prime Movers (343)	0							**0**	20
Generators (344)	0							**0**	21
Accessory Electric Equipment (345)	0							**0**	22
Miscellaneous Power Plant Equipment (346)	0							**0**	23
Total Other Production Plant	**0**		**0**	**0**	**0**	**0**	**0**	**0**	24
TRANSMISSION PLANT									25
Structures and Improvements (352)	0							**0**	26
Station Equipment (353)	0							**0**	27

Electric Accumulated Provision for Depreciation - Plant Financed by Contributions

- Use only the account titles listed. If the utility has subaccounts other than accounts 391.1 and 397.1, combine them into one total and detail by subaccount in a schedule footnote.
- If more than one depreciation rate is used, report the average rate in column (c).
- Enter depreciation rates in decimal form. For example, enter 6.75% as 0.0675

Primary Plant Accounts (a)	Balance First of Year (b)	Rate % Used (c)	Accruals During Year (d)	Book Cost of Plant Retired (e)	Cost of Removal (f)	Salvage (g)	Adjustments Increase or (Decrease) (h)	Balance End of Year (i)	
Towers and Fixtures (354)	0							**0**	28
Poles and Fixtures (355)	0							**0**	29
Overhead Conductors and Devices (356)	0							**0**	30
Underground Conduit (357)	0							**0**	31
Underground Conductors and Devices (358)	0							**0**	32
Roads and Trails (359)	0							**0**	33
Total Transmission Plant	**0**		**0**	**0**	**0**	**0**	**0**	**0**	34
DISTRIBUTION PLANT									35
Structures and Improvements (361)	0							**0**	36
Station Equipment (362)	0							**0**	37
Storage Battery Equipment (363)	0							**0**	38
Poles, Towers and Fixtures (364)	351,805	3.83%	21,292	6,069				**367,028**	39
Overhead Conductors and Devices (365)	481,869	3.79%	30,729	8,765				**503,833**	40
Underground Conduit (366)	11,039	2.50%	2,709	69				**13,679**	41
Underground Conductors and Devices (367)	370,645	3.70%	43,986	5,917				**408,714**	42
Line Transformers (368)	1,831	3.33%	1,467					**3,298**	43
Services (369)	214,115	3.67%	13,054	1,379				**225,790**	44
Meters (370)	886	3.70%	205					**1,091**	45
Installations on Customers' Premises (371)	0							**0**	46
Leased Property on Customers' Premises (372)	0							**0**	47
Street Lighting and Signal Systems (373)	59,293	4.00%	4,475	3,831				**59,937**	48
Total Distribution Plant	**1,491,483**		**117,917**	**26,030**	**0**	**0**	**0**	**1,583,370**	49
GENERAL PLANT									50
Structures and Improvements (390)	0							**0**	51
Office Furniture and Equipment (391)	0							**0**	52
Computer Equipment (391.1)	0							**0**	53
Transportation Equipment (392)	2,750	10.00%		2,750				**0**	54

Electric Accumulated Provision for Depreciation - Plant Financed by Contributions

- Use only the account titles listed. If the utility has subaccounts other than accounts 391.1 and 397.1, combine them into one total and detail by subaccount in a schedule footnote.
- If more than one depreciation rate is used, report the average rate in column (c).
- Enter depreciation rates in decimal form. For example, enter 6.75% as 0.0675

Primary Plant Accounts (a)	Balance First of Year (b)	Rate % Used (c)	Accruals During Year (d)	Book Cost of Plant Retired (e)	Cost of Removal (f)	Salvage (g)	Adjustments Increase or (Decrease) (h)	Balance End of Year (i)	
Stores Equipment (393)	0							**0**	55
Tools, Shop and Garage Equipment (394)	0							**0**	56
Laboratory Equipment (395)	0							**0**	57
Power Operated Equipment (396)	125,975	10.00%	19,450					**145,425**	58
Communication Equipment (397)	0							**0**	59
SCADA Equipment (397.1)	0							**0**	60
Miscellaneous Equipment (398)	813	5.00%	125					**938**	61
Other Tangible Property (399)	0							**0**	62
Total General Plant	**129,538**		**19,575**	**2,750**	**0**	**0**	**0**	**146,363**	63
Total accum. prov. directly assignable	**1,621,021**		**137,492**	**28,780**	**0**	**0**	**0**	**1,729,733**	64
Common Utility Plant Allocated to Electric Department	0							**0**	65
TOTAL ACCUM, PROV, FOR DEPRECIATION	**1,621,021**		**137,492**	**28,780**	**0**	**0**	**0**	**1,729,733**	66

Transmission and Distribution Lines

Enter the miles of distribution and transmission lines in your system. Enter the lines as either distribution or transmission in the same manner in which they are booked for accounting purposes.

Classification (a)	Miles of Line Owned					
	First of Year (b)	Additions During Year (c)	Retirements During Year (d)	Adjustments During Year (e)	Total End of Year (f)	
Primary Distribution System Voltage(s) – Urban						1
Pole Lines						2
2.4/4.16 kV (4kV)	0				0	3
7.2/12.5 kV (12kV)	32	0	1		31	4
14.4/24.9 kV (25kV)	0				0	5
19.9/34.5 kV (34.5kV)	0				0	6
All Secondary	0				0	7
Secondary (7.2/12.5kV - 12kV)	49	0	1		48	8
Underground Lines						9
2.4/4.16 kV (4kV)	0				0	10
7.2/12.5 kV (12kV)	47	2	0		49	11
14.4/24.9 kV (25kV)	0				0	12
19.9/34.5 kV (34.5kV)	0				0	13
All Secondary	0				0	14
Secondary (7.2/12.5kV - 12kV)	50	1	0		51	15
Primary Distribution System Voltage(s) – Rural						16
Pole Lines						17
2.4/4.16 kV (4kV)	0				0	18
7.2/12.5 kV (12kV)	66	1	2		65	19
14.4/24.9 kV (25kV)	0				0	20
19.9/34.5 kV (34.5kV)	0				0	21
All Secondary	0				0	22
Secondary 7.2/12.5 (12kV)	31	0	0		31	23
Underground Lines						24
2.4/4.16 kV (4kV)	0				0	25
7.2/12.5 kV (12kV)	37	1	0		38	26
14.4/24.9 kV (25kV)	0				0	27
19.9/34.5 kV (34.5kV)	0				0	28
All Secondary	0				0	29
Secondary 7.2/12.5kV (12kV)	30	0	0		30	30
Transmission System						31
Pole Lines						32
34.5 kV	0				0	33
69 kV	0				0	34
115 kV	0				0	35
138 kV	0				0	36
Underground Lines						37
34.5 kV	0				0	38
69 kV	0				0	39
115 kV	0				0	40

Transmission and Distribution Lines

Enter the miles of distribution and transmission lines in your system. Enter the lines as either distribution or transmission in the same manner in which they are booked for accounting purposes.

138 kV	0	0	41

Monthly Peak Demand and Energy Usage

- Report hereunder the information called for pertaining to simultaneous peak demand established monthly and monthly energy usage col. (f) kilowatt-hours.
- Monthly peak col. (b) (reported as actual number) should be respondent's maximum kw. load as measured by the sum of its coincidental net generation and purchases plus or minus net interchange, minus temporary deliveries (not interchange) of emergency power to another system.
- Monthly energy usage should be the sum of the respondent's net generation for load and purchases plus or minus net interchange and plus or minus net transmission or wheeling. Total for the year should agree with Total Source of Energy on the Electric Energy Account Schedule.
- If the utility has two or more power systems not physically connected, the information called for below should be furnished for each system.
- Time reported in column (e) should be in military time (e.g., 6:00 pm would be reported as 18:00).
- If the utility has class coincident peak demand report class demand at the time of the utility's peak and total monthly class energy.

SYSTEM: STOUGHTON

Type of Reading: 60 minutes integrated

Supplier: Wisconsin Public Power (WPPI)

	Monthly Peak Usage				Monthly	
Month (a)	kW (b)	Day of Week (c)	Date (d)	Time Ending (HH:MM) (e)	Energy Usage (kWh) (f)	
January	23,662	Thursday	01/05/2017	19:00	12,812,545	1
February	21,934	Thursday	02/02/2017	19:00	10,759,773	2
March	20,399	Wednesday	03/01/2017	19:00	11,607,813	3
April	18,091	Wednesday	04/05/2017	19:00	10,048,660	4
May	21,934	Wednesday	05/17/2017	18:00	10,622,971	5
June	32,720	Monday	06/12/2017	16:00	12,662,125	6
July	30,828	Thursday	07/20/2017	18:00	13,912,583	7
August	28,159	Wednesday	08/02/2017	19:00	12,624,031	8
September	30,090	Monday	09/25/2017	16:00	11,758,812	9
October	21,423	Tuesday	10/03/2017	20:00	11,031,229	10
November	20,487	Tuesday	11/21/2017	18:00	11,106,960	11
December	22,816	Tuesday	12/12/2017	18:00	12,501,161	12
Total	**292,543**				**141,448,663**	13

SYSTEM: DUNKIRK DAM

Type of Reading: 15 minutes integrated

Supplier: Midcontinent Independent System Operator (MISO)

	Monthly Peak Usage				Monthly	
Month (a)	kW (b)	Day of Week (c)	Date (d)	Time Ending (HH:MM) (e)	Energy Usage (kWh) (f)	
January	252	Friday	01/27/2017	01:45	147,344	14
February	246	Sunday	02/26/2017	09:45	141,988	15
March	257	Tuesday	03/07/2017	01:45	160,576	16
April	243	Thursday	04/20/2017	11:00	164,918	17

Monthly Peak Demand and Energy Usage

- Report hereunder the information called for pertaining to simultaneous peak demand established monthly and monthly energy usage col. (f) kilowatt-hours.
- Monthly peak col. (b) (reported as actual number) should be respondent's maximum kw. load as measured by the sum of its coincidental net generation and purchases plus or minus net interchange, minus temporary deliveries (not interchange) of emergency power to another system.
- Monthly energy usage should be the sum of the respondent's net generation for load and purchases plus or minus net interchange and plus or minus net transmission or wheeling. Total for the year should agree with Total Source of Energy on the Electric Energy Account Schedule.
- If the utility has two or more power systems not physically connected, the information called for below should be furnished for each system.
- Time reported in column (e) should be in military time (e.g., 6:00 pm would be reported as 18:00).
- If the utility has class coincident peak demand report class demand at the time of the utility's peak and total monthly class energy.

May	247	Tuesday	05/16/2017	09:45	145,764	18
June	241	Wednesday	06/14/2017	02:30	109,815	19
July	230	Monday	07/17/2017	17:45	69,278	20
August	153	Tuesday	08/08/2017	08:00	67,162	21
September	148	Monday	09/25/2017	16:15	88,040	22
October	235	Sunday	10/29/2017	09:30	115,183	23
November	230	Thursday	11/09/2017	12:15	94,575	24
December	245	Saturday	12/09/2017	08:45	101,086	25
Total	**2,727**				**1,405,729**	26

Monthly Peak Demand and Energy Usage

- Report hereunder the information called for pertaining to simultaneous peak demand established monthly and monthly energy usage col. (f) kilowatt-hours.
- Monthly peak col. (b) (reported as actual number) should be respondent's maximum kw. load as measured by the sum of its coincidental net generation and purchases plus or minus net interchange, minus temporary deliveries (not interchange) of emergency power to another system.
- Monthly energy usage should be the sum of the respondent's net generation for load and purchases plus or minus net interchange and plus or minus net transmission or wheeling. Total for the year should agree with Total Source of Energy on the Electric Energy Account Schedule.
- If the utility has two or more power systems not physically connected, the information called for below should be furnished for each system.
- Time reported in column (e) should be in military time (e.g., 6:00 pm would be reported as 18:00).
- If the utility has class coincident peak demand report class demand at the time of the utility's peak and total monthly class energy.

Monthly Peak Usage By Rate Schedule

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
Residential Sales													1
RG-1 kW at Peak													2
RG-1 Monthly Usage kWh	5785854	4729814	5260885	3910966	4301334	5996613	6588162	5482659	5137475	4506456	4927044	6452434	3
RG-2 kW at Peak													4
RG-2 Monthly Usage kWh	9191	7604	8430	6196	8786	10356	10730	9898	8915	8759	9046	11815	5
Commercial & Industrial													6
CP-1 kW at Peak	3163	3215	3226	3294	3861	4127	3934	3673	4181	3657	3172	3685	7
CP-1 Monthly Usage kWh	1083483	1059946	1077818	903911	1043740	1158923	1127357	1099154	1132255	995149	980608	1129901	8
CP-1 TOD kW at Peak	588	606	585	605	625	659	654	625	774	755	636	655	9
CP-1 TOD Monthly Usage kWh	214890	191638	216513	210564	221887	247892	255883	244281	276467	271544	238094	229975	10
CP-2 kW at Peak	2451	2360	2177	2343	3350	2758	2639	2801	2945	2715	2476	2458	11
CP-2 Monthly Usage kWh	1086340	926335	999347	953650	988134	1086165	1135832	1149984	943896	1004729	996198	1039753	12
CP-3 kW at Peak	6660	6828	6726	6692	7256	7411	7349	7180	7713	7018	6415	6434	13
CP-3 Monthly Usage kWh	2668501	2433533	2752913	2401308	2647530	2744149	2594555	2873216	2604398	2664364	2312422	2207988	14
GS-1 kW at Peak													15
GS-1 Monthly Usage kWh	1453765	1277005	1398783	1115531	1236170	1441770	1464366	1404447	1312396	1298454	1362103	1467007	16
GS-2 kW at Peak													17
GS-2 Monthly Usage kWh	1288	1154	1329	972	1149	2184	2789	2451	2439	1271	1299	1522	18
Lighting Service													19
MS-1 kW at Peak													20
MS-1 Monthly Usage kWh	76085	65309	70220	51816	49507	46262	49507	57619	65294	77753	82581	93491	21

Monthly Peak Demand and Energy Usage

- Report hereunder the information called for pertaining to simultaneous peak demand established monthly and monthly energy usage col. (f) kilowatt-hours.
- Monthly peak col. (b) (reported as actual number) should be respondent's maximum kw. load as measured by the sum of its coincidental net generation and purchases plus or minus net interchange, minus temporary deliveries (not interchange) of emergency power to another system.
- Monthly energy usage should be the sum of the respondent's net generation for load and purchases plus or minus net interchange and plus or minus net transmission or wheeling. Total for the year should agree with Total Source of Energy on the Electric Energy Account Schedule.
- If the utility has two or more power systems not physically connected, the information called for below should be furnished for each system.
- Time reported in column (e) should be in military time (e.g., 6:00 pm would be reported as 18:00).
- If the utility has class coincident peak demand report class demand at the time of the utility's peak and total monthly class energy.

Monthly Peak Usage By Rate Schedule

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
Residential Sales													22
RG-1 kW at Peak													23
RG-1 Monthly Usage kWh													24
RG-2 kW at Peak													25
RG-2 Monthly Usage kWh													26
Commercial & Industrial													27
CP-1 kW at Peak													28
CP-1 Monthly Usage kWh													29
CP-1 TOD kW at Peak													30
CP-1 TOD Monthly Usage kWh													31
CP-2 kW at Peak													32
CP-2 Monthly Usage kWh													33
CP-3 kW at Peak													34
CP-3 Monthly Usage kWh													35
GS-1 kW at Peak													36
GS-1 Monthly Usage kWh													37
GS-2 kW at Peak													38
GS-2 Monthly Usage kWh													39
Lighting Service													40
MS-1 kW at Peak													41
MS-1 Monthly Usage kWh													42

Electric Energy Account

Description (a)	kWh (b)
SOURCE OF ENERGY	
Generation (excluding Station Use):	
Steam	
Nuclear Steam	
Hydraulic	
Combustion Turbine	
Internal Combustion	
Non-Conventional (wind, photovoltaic, etc.)	
Total Generation	**0**
Purchases	141,448,663
Interchanges:	
In (gross)	
Out (gross)	
Net	**0**
Transmission for/by others (wheeling):	
Received	
Delivered	
Net	**0**
Total Source of Energy	**141,448,663**
DISPOSITION OF ENERGY	
Sales to Ultimate Consumers (including interdepartmental sales)	139,053,623
Sales For Resale	
Energy Used by the Company (excluding station use):	
Electric Utility	
Common (office, shops, garages, etc. serving 2 or more util. depts.)	164,840
Total Used by Company	**164,840**
Total Sold and Used	**139,218,463**
Energy Losses:	
Transmission Losses (if applicable)	
Distribution Losses	2,230,200
Total Energy Losses	**2,230,200**
Loss Percentage (% Total Energy Losses of Total Source of Energy)	**1.5767%**
Total Disposition of Energy	**141,448,663**

Electric Generating Plant Statistics (Large Plants)

- Report data for plant in service only.
- Large plants are steam plants with installed capacity (name plate rating) of 25,000 Kw or more. Report in this page gas-turbine and internal combustion plants of 10,000 Kw or more, sand nuclear plants.
- Indicate by a footnote any plant leased or operated as a joint facility.
- If net peak demand for 60 minutes is not available, give data which is available, specifying period.
- If any employees attend more than one plant, report on line 11 the approximate average number of employees assignable to each plant.
- If gas is used and purchased on a therm basis report the BTU content of the gas and the quantity of fuel burned converted to MCT.
- Quantities of fuel burned and average cost per unit of fuel burned must be consistent with charges to expense accounts 501 and 547 as shown on line 20
- If more than one fuel is burned in a plant furnish only the composite heat rate for all fuels burned.

- - - THIS SCHEDULE NOT APPLICABLE TO THIS UTILITY- - -

Purchased Power Statistics

- Use separate entries for each point of delivery, where a different wholesale supplier contract applies.
- For purchased power suppliers with multiple delivery points, you may combine into a single delivery point.

Source: 1

Name of Vender	Type of Power Purchased	Point of Delivery
Wisconsin Public Power (WPPI)	**Firm**	**East**

Voltage at Which Delivered:	69.0
Voltage at Point of Metering:	69.0
Total of 12 Monthly Maximum Demands -- kW:	292,543
Average Load Factor:	66.2348
Total Cost of Purchased Power:	11,453,973
Average cost per kWh:	0.0810
On-Peak Hours (if applicable):	

Monthly Purchases --- kWh		
	on-Peak	**off-Peak**
January	5,042,869	7,769,676
February	4,412,982	6,346,791
March	4,911,090	6,696,723
April	3,952,941	6,095,719
May	4,519,720	6,103,251
June	5,556,382	7,105,743
July	5,625,921	8,286,662
August	5,725,964	6,898,067
September	4,830,332	6,928,480
October	4,707,830	6,323,399
November	4,554,476	6,552,484
December	4,670,253	7,830,908
Total kWh	**58,510,760**	**82,937,903**

Customer Owned Distributed Energy Resources

- Report each customer owned distributed energy resource with an installed capacity of 20 kilowatts or greater.
- Report as monthly purchases, all energy delivered to the company.
- If energy purchases are not made according on-peak and off-peak periods, provide monthly purchase amounts according to the on-peak and off-peak hours of the utility's primary purchased power supplier, and explain in footnote.
- If the utility is unable to separate energy purchases into on-peak and off-peak periods, explain in footnote.
- Report voltage at the point of metering in volts.

- - - THIS SCHEDULE NOT APPLICABLE TO THIS UTILITY- - -

Hydroelectric Generating Plant Statistics (Large Plants)

- Large plants are hydro plans of 10,000 kW or more of installed capacity (nameplate ratings). Small plants are entered in Schedule E-17.
- If any plant is leased, operated under a license from the Federal Energy Regulatory Commission (FERC), or operated as a joint facility, indicate such facts in a footnote. If a FERC licensed project, give project number.
- If net peak demand for 60 minutes is not available, give that which is available, specifying period.
- If a group of employees attends more than one generating plant, report on line 11 the approximate average number of employees assignable to each plant.

- - - THIS SCHEDULE NOT APPLICABLE TO THIS UTILITY- - -

Electric Generating Plant Statistics (Small Plants)

- Small generating plants are steam plants of less than 25,000 kW, internal combustion and gas-turbine plants, conventional hydro plants, solar and pumped storage plants of less than 10,000 kW installed capacity (name plate rating).
- Designate any plant leased from others, operated under a license from the Federal Energy Regulatory Commission, or operated as a joint facility, and give a concise statement of the facts in a footnote. If licensed project, give project number in footnote.

Plant Name (a)	Unit ID (b)	Kind of Plant (c)	Year Originally Constructed (d)	Installed Capacity Name Plate Rating (in kW) (e)	Net Peak Demand kW (60 min.) (f)	Net Generation Excluding Plant Use kWh (g)	Cost of Plant (Including Asset Retirement Costs) (h)	Plant Cost (Including Asset Retirement Cost) per kW (i)	Operating Excluding Fuel (j)	Production Expenses Fuel (k)	Production Expenses Maintenance (l)	Kind of Fuel (m)	Fuel Costs (In cents per Million BTU) (n)

- - - THIS SCHEDULE NOT APPLICABLE TO THIS UTILITY- - -

Substation Equipment

Report separately each substation used wholly or in part for transmission, each distribution substation over 1,000 kVA capacity and each substation that serves customers with energy for resale.

Substation Name (a)	Voltage High Side kV (b)	Voltage Low Side kV (c)	Number of Main Transformers in Operation (d)	Total Capacity of Transformers in kVA (e)	Number of Spare Transformers on Hand (f)	15-Minute Maximum Demand in kW (g)	Date and Hour of Maximum Demand (h)	kWh Annual Throughput (i)		
East	69.0	12.5	2	20,000	0	10,729	06/12/2017 03:00 PM	46,703,615	*	1
North	69.0	12.5	2	20,000	0	14,256	07/05/2017 04:00 PM	57,924,518	*	2
South	69.0	12.5	2	20,000	0	12,077	09/20/2017 08:00 PM	36,747,411	*	3

Electric Metering

- Please enter the number of meters currently in use for each customer class.
- For **Meter Types** enter the number of meters with that function, regardless of actual use.
- For **Read Method** enter the number of meters with that capability, regardless of actual read method.
- For **Tested** enter the number of meters tested in the annual report year.

		Meter Types				Read Method				
Description (a)	Meter Count (b)	Energy Only (c)	Energy TOU (d)	Demand (e)	Demand TOU (f)	Manual (g)	Drive-by (h)	Remote (i)	Tested (j)	
RG-1 Residential	7,779	7,779					7,779		49	1
RG-2 Residential	13		13				13		2	2
CP-1 Small Power	56			56			53	3	7	3
CP-1 TOD Small Power	10				10		8	2		4
CP-2 Large Power	10				10			10		5
CP-3 Industrial Power	6				6			6		6
GS-1 General Service	851	808		43			850	1		7
GS-2 General Service	1		1				1			8
MS-1 Street Lighting	3	3					3			9
Stock	132	106			26					10
TOTAL:	**8,861**	**8,696**	**14**	**99**	**52**	**0**	**8,707**	**22**	**58**	11

Electric Customers Served

- List the number of customer accounts in each municipality for which your utility provides retail service. Do not include wholesale customers.
- Per Wisconsin state statute, a city, village, town or sanitary district may serve customers outside its corporate limits, including adjoining municipalities. For purposes of this schedule, customers located “Within Muni Boundary” refers to those located inside the jurisdiction that owns the utility.

Municipality (a)	Customers End of Year (b)	
Dunkirk (Town)	811	1
Dunn (Town)	800	2
Pleasant Springs (Town)	525	3
Rutland (Town)	229	4
Stoughton (City) **	6,285	5
Total - Dane County	**8,650**	6
Porter (Town)	11	7
Total - Rock County	**11**	8
Total - Customers Served	**8,661**	9
Total - Outside Muni Boundary	**2,376**	10
Total - Within Muni Boundary **	**6,285**	11

** = *Within municipal boundary*

Low Income and Energy Efficiency Programs

- Use checkboxes to identify whether you contribute public benefits funds to statewide programs (Focus on Energy and/or DOA Low-Income) or keep funds for commitment to community programs. Check the "Voluntary" box if you fund programs above the level required by public benefits statutes, such as for voluntary programs or to meet the conditions of legal settlements.
- Record your efficiency and low-income account balances as of the beginning of the calendar year.
- Record total Account 253 collections for efficiency and low-income programs during the calendar year.
  - Under "Public Benefits Collections," record total collections related to statutory public benefits requirements.
  - Under "Additional Collections," record any collections in excess of public benefits requirements.
- Identify the number of customers whose bills were adjusted in order to comply with the statutory cap on public benefits collections, which prohibits collections in excess of $750 per month or 3.0 percent of a customer bill, whichever is lesser. Count all customers affected at least one month of the year.
  - Some utilities may not be able to easily identify affected customers. For example, billing systems may make it time-consuming or impossible to identify the customers receiving adjustments. If you cannot efficiently identify the number of customers affected, leave the entry blank and add a footnote to the page explaining your difficulty.
- Record total Account 186 expenditures for efficiency and low-income programs during the calendar year.
  - Under "Statewide Program Contributions", include all payments made to Focus on Energy for Energy Efficiency, and to DOA for Low-Income Programs.
  - Under "Utility Expenditures," include all expenditures on commitment to community programs and additional activities.
- Record the Net Balance in the efficiency and low-income accounts at the end of the calendar year.

Expenditures and Revenues

	Low Income	Energy Efficiency	Public Benefits Total	
Commitment to Community				1
State Program Participant (DOA Low Income/Focus on Energy)	X	X		2
Additional Programming				3
Revenues				4
Beginning of the Year Balance	15,981	5,394	21,375	5
Account 253 Collections	64,113	64,113	128,226	6
Public Benefits Collections	64,113	64,113	128,226	7
Additional Collections				8
Number of Customers Affected by Statutory Cap on Public Benefits Collection				9
Expenditures				10
Account 186 Expenditures	64,185	64,302	128,487	11
Statewide Program Contributions	64,185	64,302	128,487	12
Utility Expenditures				13
Net Balance	15,909	5,205	21,114	14

Electric Meter Consumer Adjustment

- A classified record shall be kept of the number and amount of refunds and charges made because of inaccurate meters, stopped or broken meters, faulty or incorrect metering installations, failure to apply appropriate multipliers or application of incorrect multipliers, misapplication of rates, fraud or theft of service and other erroneous billing.
- The report shall show the number and amount of refunds or charges under each of the categories listed above.
- A record shall also be kept of the complaint or customer requested tests made and the total number for the year included in this report.

		Creadits/Refunds		Charges		
Description (a)		Total Number of Credits/Refund (b)	Total Dollars (c)	Total Number of Charges (d)	Total Dollars (e)	
Inaccurate Meter				1	6,058	1
Stopped/Broken Meter						2
Faulty/Incorrect Meter						3
Incorrect Meter Multiplier						4
Misapplication of Rates						5
Fraud/Theft of Service						6
Switched Meters						7
Other Erroneous Billing		3	4,265			8
TOTAL:		**3**	**4,265**	**1**	**6,058**	9

Number of Meter Complaint: 0

Customer Requested Tests Performed: 0

Stoughton Utilities

600 South Fourth Street
P.O. Box 383
Stoughton, WI 53589-0383

Serving Electric, Water & Wastewater Since 1886

Date: April 10, 2018

To: Stoughton Utilities Committee

From: Jamin T. Friedl
Stoughton Utilities Finance Manager

Robert P. Kardasz, P.E.
Stoughton Utilities Director

Subject: Stoughton Water Utility Annual Report filed with the Public Service Commission of Wisconsin

In accordance with Wisconsin State Statute 196.07, the Stoughton Water Utility files an annual financial report with the Wisconsin Public Service Commission. The report for the year ending December 31, 2017 is attached for the Utility Committee's review and discussion.

Class AB

WATER, ELECTRIC, OR JOINT UTILITY ANNUAL REPORT

OF

STOUGHTON WATER UTILITY

PO BOX 383
STOUGHTON, WI 53589-0383

For the Year Ended: DECEMBER 31, 2017

TO

PUBLIC SERVICE COMMISSION OF WISCONSIN

P.O. Box 7854
Madison, WI 53707-7854
(608) 266-3766

This form is required under Wis. Stat. § 196.07. Failure to file the form by the statutory filing date can result in the imposition of a penalty under Wis. Stat. § 196.66. The penalty which can be imposed by this section of the statutes is a forfeiture of not less than $25 nor more than $5,000 for each violation. Each day subsequent to the filing date constitutes a separate and distinct violation. The filed form is available to the public and personally identifiable information may be used for purposes other than those related to public utility regulation.

I ***Jamin T Friedl, CPA***, ***Finance Manager*** of ***STOUGHTON WATER UTILITY***, certify that I am the person responsible for accounts; that I have examined the following report and, to the best of my knowledge, information and belief, it is a correct statement of the business and affairs of said utility for the period covered by the report in respect to each and every matter set forth therein.

Date Signed: ***3/15/2018***

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Table of Contents

WATER SECTION

Identification and Ownership - Contacts

Utility employee in charge of correspondence concerning this report

Name: Jamin T Friedl, CPA
Title: Finance Manager
Mailing Address: 600 S Fourth Street
Stoughton, WI 53589
Phone: (608) 877-7415
Email Address: jfriedl@stoughtonutilities.com

Accounting firm or consultant preparing this report (if applicable)

Name:
Title:
Mailing Address:
Phone:
Email Address:

Name and title of utility General Manager (or equivalent)

Name: Robert P Kardasz, P.E.
Title: Utilities Director
Mailing Address: 600 S Fourth Street
Stoughton, WI 53589
Phone: (608) 877-7423
Email Address: rkardasz@stoughtonutilities.com

President, chairman, or head of utility commission/board or committee

Name: Donna Olson
Title: Mayor
Mailing Address: 381 E Main Street
Stoughton, WI 53589
Phone: (608) 673-6677
Email Address: dolson@ci.stoughton.wi.us

Identification and Ownership - Governing Authority and Audit Information

Utility Governing Authority

Select the governing authority for this utility.

___Reports to utility board/commission

_x_Reports directly to city/village council

Audit Information

Are utility records audited by individulas or firms other than utility employees? _x_Yes __No

Date of most recent audit report: 03/09/2018

Period covered by most recent audit: 2017

Individual or firm, if other than utility employee, auditing utility records

Name:	Jodi Dobson
Title:	Partner
Organization Name:	Baker Tilly
USPS Address:	Ten Terrace Court
City State Zip	Madison, WI 53718
Telephone:	(608) 240-2469
Email Address:	jodi.dobson@bakertilly.com

Identification and Ownership - Contract Operations

Do you have any contracts?

Are any the utility administrative or operational functions under contract or agreement with an outside provider for the year covered by this annual report and/or current year (i.e., operation of water or sewer treatment plant)? **NO**

Income Statement

Particulars (a)	This Year (b)	Last Year (c)	
UTILITY OPERATING INCOME			1
Operating Revenues (400)	2,071,227	2,001,123	2
Operating Expenses:			3
Operation and Maintenance Expense (401-402)	992,653	969,933	4
Depreciation Expense (403)	315,908	302,956	5
Amortization Expense (404-407)	0	0	6
Taxes (408)	442,509	410,126	7
Total Operating Expenses	**1,751,070**	**1,683,015**	8
Net Operating Income	**320,157**	**318,108**	9
Income from Utility Plant Leased to Others (412-413)			10
Utility Operating Income	**320,157**	**318,108**	11
OTHER INCOME			12
Income from Merchandising, Jobbing and Contract Work (415-416)	0	0	13
Income from Nonutility Operations (417)			14
Nonoperating Rental Income (418)			15
Interest and Dividend Income (419)	22,208	25,029	16
Miscellaneous Nonoperating Income (421)	236,136	756,372	17
Total Other Income	**258,344**	**781,401**	18
Total Income	**578,501**	**1,099,509**	19
MISCELLANEOUS INCOME DEDUCTIONS			20
Miscellaneous Amortization (425)	(29,948)	(29,948)	21
Other Income Deductions (426)	128,693	125,129	22
Total Miscellaneous Income Deductions	**98,745**	**95,181**	23
Income Before Interest Charges	**479,756**	**1,004,328**	24
INTEREST CHARGES			25
Interest on Long-Term Debt (427)	55,851	74,001	26
Amortization of Debt Discount and Expense (428)		47,812	27
Amortization of Premium on Debt--Cr. (429)	6,586	2,952	28
Interest on Debt to Municipality (430)	0	0	29
Other Interest Expense (431)	0	0	30
Interest Charged to Construction--Cr. (432)			31
Total Interest Charges	**49,265**	**118,861**	32
Net Income	**430,491**	**885,467**	33
EARNED SURPLUS			34
Unappropriated Earned Surplus (Beginning of Year) (216)	12,312,332	11,429,277	35
Balance Transferred from Income (433)	430,491	885,467	36
Miscellaneous Credits to Surplus (434)			37
Miscellaneous Debits to Surplus--Debit (435)			38
Appropriations of Surplus--Debit (436)			39
Appropriations of Income to Municipal Funds--Debit (439)	3,743	2,412	40
Total Unappropriated Earned Surplus End of Year (216)	**12,739,080**	**12,312,332**	41

Income Statement Account Details

- Report each item (when individually or when like items are combined) greater than $10,000 (class AB), $5,000 (class C) and $2,000 (class D) and all other lesser amounts grouped as Miscellaneous. Describe fully using other than account titles.
- Nonregulated sewer income should be reported as Miscellaneous Nonoperating Income, Account 421.

Description (a)	Earnings (216.1) (b)	Contributions (216.2) (c)	Total This Year (d)	
UTILITY OPERATING INCOME	0	0	0	1
Operating Revenues (400)	0	0	0	2
Derived	2,071,227		2,071,227	3
Total (Acct. 400)	2,071,227	0	2,071,227	4
Operation and Maintenance Expense (401-402)	0	0	0	5
Derived	992,653		992,653	6
Total (Acct. 401-402)	992,653	0	992,653	7
Depreciation Expense (403)	0	0	0	8
Derived	315,908		315,908	9
Total (Acct. 403)	315,908	0	315,908	10
Amortization Expense (404-407)	0	0	0	11
Derived	0		0	12
Total (Acct. 404-407)	0	0	0	13
Taxes (408)	0	0	0	14
Derived	442,509		442,509	15
Total (Acct. 408)	442,509	0	442,509	16
TOTAL UTILITY OPERATING INCOME	320,157	0	320,157	17
OTHER INCOME	0	0	0	18
Income from Merchandising, Jobbing and Contract Work (415-416)	0	0	0	19
Derived	0	0	0	20
Total (Acct. 415-416)	0	0	0	21
Interest and Dividend Income (419)	0	0	0	22
INTEREST INCOME	22,208		22,208	23
Total (Acct. 419)	22,208	0	22,208	24
Miscellaneous Nonoperating Income (421)	0	0	0	25
Contributed Plant - Water		236,136	236,136	26
Impact Fees - Water			0	27
Total (Acct. 421)	0	236,136	236,136	28
TOTAL OTHER INCOME	22,208	236,136	258,344	29
MISCELLANEOUS INCOME DEDUCTIONS	0	0	0	30
Miscellaneous Amortization (425)	0	0	0	31
Amortization of Non Utility Property	4,280		4,280	32
Regulatory Liability (253) Amortization	(34,228)		(34,228)	33
Total (Acct. 425)	(29,948)	0	(29,948)	34
Other Income Deductions (426)	0	0	0	35
Depreciation Expense on Contributed Plant - Water		128,693	128,693	36
Total (Acct. 426)	0	128,693	128,693	37
TOTAL MISCELLANEOUS INCOME DEDUCTIONS	(29,948)	128,693	98,745	38
INTEREST CHARGES	0	0	0	39
Interest on Long-Term Debt (427)	0	0	0	40

Income Statement Account Details

- Report each item (when individually or when like items are combined) greater than $10,000 (class AB), $5,000 (class C) and $2,000 (class D) and all other lesser amounts grouped as Miscellaneous. Describe fully using other than account titles.
- Nonregulated sewer income should be reported as Miscellaneous Nonoperating Income, Account 421.

Description (a)	Earnings (216.1) (b)	Contributions (216.2) (c)	Total This Year (d)	
Derived	55,851		55,851	41
Total (Acct. 427)	55,851	0	55,851	42
Amortization of Premium on Debt--Cr. (429)	0	0	0	43
Amortization of Premium on Debt	6,586		6,586	44
Total (Acct. 429)	6,586	0	6,586	45
Interest on Debt to Municipality (430)	0	0	0	46
Derived	0		0	47
Total (Acct. 430)	0	0	0	48
Other Interest Expense (431)	0	0	0	49
Derived	0		0	50
Total (Acct. 431)	0	0	0	51
TOTAL INTEREST CHARGES	49,265	0	49,265	52
NET INCOME	323,048	107,443	430,491	53
EARNED SURPLUS	0	0	0	54
Unappropriated Earned Surplus (Beginning of Year) (216)	0	0	0	55
Derived	6,892,056	5,420,276	12,312,332	56
Total (Acct. 216)	6,892,056	5,420,276	12,312,332	57
Balance Transferred from Income (433)	0	0	0	58
Derived	323,048	107,443	430,491	59
Total (Acct. 433)	323,048	107,443	430,491	60
Appropriations of Income to Municipal Funds--Debit (439)	0	0	0	61
TAX STABILIZATION PAYMENT	3,743		3,743	62
Total (Acct. 439)	3,743	0	3,743	63
UNAPPROPRIATED EARNED SURPLUS (END OF YEAR)	7,211,361	5,527,719	12,739,080	64

Income Statement Account Details

- Report each item (when individually or when like items are combined) greater than $10,000 (class AB), $5,000 (class C) and $2,000 (class D) and all other lesser amounts grouped as Miscellaneous. Describe fully using other than account titles.
- Nonregulated sewer income should be reported as Miscellaneous Nonoperating Income, Account 421.

Income Statement Account Details (Page F-02)

Amount of Contributed Plant – Water (421) does not match the total Additions During Year entered on Water Utility Plant in Service–Plant Financed by Contributions, please explain fully.

During a review of utility records it was identified that contributed revenue previously recorded to the electric utility was in fact related to water.

The remaining amount of $156 relates to projects sitting in CWIP at 12/31/17.

Income from Merchandising, Jobbing & Contract Work (Accts. 415-416)

Particulars (a)	Water (b)	Electric (c)	Gas (d)	Sewer (e)	Total (f)	
Revenues						1
Revenues (account 415)					**0**	2
Cost and Expenses of Merchandising, Jobbing and Contract Work (416)						3
Cost of merchandise sold					**0**	4
Payroll					**0**	5
Materials					**0**	6
Taxes					**0**	7
Total costs and expenses	**0**	**0**	**0**	**0**	**0**	8
Net Income (or loss)	**0**	**0**	**0**	**0**	**0**	9

Revenues Subject to Wisconsin Remainder Assessment

- Report data necessary to calculate revenue subject to Wisconsin remainder assessment pursuant to Wis. Stat § 196.85(2) and Wis. Admin. Code Ch. PSC 5.
- If the sewer department is not regulated by the PSC, do not report sewer department in data column (d).

Description (a)	Water Utility (b)	Electric Utility (c)	Gas Utility (d)	Sewer Utility (Regulated Only (e)	Total (f)	
Total operating revenues	2,071,227				**2,071,227**	1
Less: interdepartmental sales	1,779				**1,779**	2
Less: interdepartmental rents	0				**0**	3
Less: return on net investment in meters charged to regulated sewer department. (Do not report if nonregulated sewer.)					**0**	4
Less: uncollectibles directly expensed as reported in water acct. 904 (690 class D), sewer acct. 843, and electric acct. 904 -or- Net write-offs when Accumulated Provision for Uncollectible Accounts (acct. 144) is maintained	149				**149**	5
Revenues subject to Wisconsin Remainder Assessment	**2,069,299**	**0**	**0**	**0**	**2,069,299**	6

Distribution of Total Payroll

- Amounts charged to Utility Financed and to Contributed Plant accounts should be combined and reported in plant or accumulated depreciation accounts.
- Amount originally charged to clearing accounts as shown in column (b) should be shown as finally distributed in column (c).
- The amount for clearing accounts in column (c) is entered as a negative for account "Clearing Accounts" and the distributions to accounts on all other lines in column (c) will be positive with the total of column (c) being zero.
- Provide additional information in the schedule footnotes when necessary.

Accounts Charged (a)	Direct Payroll Distribution (b)	Allocation of Amounts Charged Clearing Accts. (c)	Total (d)	
Water operating expenses	420,847	3,861	**424,708**	1
Electric operating expenses			**0**	2
Gas operating expenses			**0**	3
Heating operating expenses			**0**	4
Sewer operating expenses			**0**	5
Merchandising and jobbing			**0**	6
Other nonutility expenses			**0**	7
Water utility plant accounts	21,169		**21,169**	8
Electric utility plant accounts			**0**	9
Gas utility plant accounts			**0**	10
Heating utility plant accounts			**0**	11
Sewer utility plant accounts			**0**	12
Accum. prov. for depreciation of water plant			**0**	13
Accum. prov. for depreciation of electric plant			**0**	14
Accum. prov. for depreciation of gas plant			**0**	15
Accum. prov. for depreciation of heating plant			**0**	16
Accum. prov. for depreciation of sewer plant			**0**	17
Clearing accounts	3,861	(3,861)	**0**	18
All other accounts			**0**	19
Total Payroll	**445,877**	**0**	**445,877**	20

Full-Time Employees (FTE)

- Use FTE numbers where FTE stands for Full-Time Employees or Full-Time Equivalency. FTE can be computed by using total hours worked/2080 hours for a fiscal year. Estimate to the nearest hundredth. If an employee works part time for more than one industry then determine FTE based on estimate of hours worked per industry.
- Example: An employee worked 35% of their time on electric jobs, 30% on water jobs, 20% on sewer jobs and 15% on municipal nonutility jobs. The FTE by industry would be .35 for electric, .30 for water and .20 for sewer.

	Industry (a)	FTE (b)	
1	Water	6.0	
2	Electric		
3	Gas		
4	Sewer		

Balance Sheet

Assets and Othe Debits (a)	Balance End of Year (b)	Balance First of Year (c)	
ASSESTS AND OTHER DEBITS			1
UTILITY PLANT			2
Utility Plant (101)	22,959,306	22,060,141	3
Less: Accumulated Provision for Depreciation and Amortization of Utility Plant (111)	7,110,165	6,778,561	4
Utility Plant Acquisition Adjustments (117-118)	0	0	5
Other Utility Plant Adjustments (119)	0	0	6
Net Utility Plant	**15,849,141**	**15,281,580**	7
OTHER PROPERTY AND INVESTMENTS			8
Nonutility Property (121)	107,000	107,000	9
Less: Accumulated Provision for Depreciation and Amortization of Nonutility Property (122)	80,642	76,362	10
Investment in Municipality (123)	0	0	11
Other Investments (124)	0	0	12
Sinking Funds (125)	507,074	512,227	13
Depreciation Fund (126)	25,000	25,000	14
Other Special Funds (128)	99,237	96,587	15
Total Other Property and Investments	**657,669**	**664,452**	16
CURRENT AND ACCRUED ASSETS			17
Cash (131)	478,974	954,361	18
Special Deposits (134)	0	0	19
Working Funds (135)	0	0	20
Temporary Cash Investments (136)	0	0	21
Notes Receivable (141)	0	0	22
Customer Accounts Receivable (142)	216,487	198,827	23
Other Accounts Receivable (143)	5,356	41,262	24
Accumulated Provision for Uncollectible Accounts- -Cr. (144)	0	0	25
Receivables from Municipality (145)	238,930	67,553	26
Plant Materials and Operating Supplies (154)	41,401	34,812	27
Merchandise (155)	0	0	28
Other Materials and Supplies (156)	0	0	29
Stores Expense (163)	0	0	30
Prepayments (165)	2,692	828	31
Interest and Dividends Receivable (171)	1,271	3,858	32
Accrued Utility Revenues (173)	0	0	33
Miscellaneous Current and Accrued Assets (174)	232,207	450,927	34
Total Current and Accrued Assets	**1,217,318**	**1,752,428**	35
DEFERRED DEBITS			36
Unamortized Debt Discount and Expense (181)	0	0	37
Extraordinary Property Losses (182)	0	0	38
Preliminary Survey and Investigation Charges (183)	9,245	0	39
Clearing Accounts (184)	0	0	40
Temporary Facilities (185)	0	0	41
Miscellaneous Deferred Debits (186)	189,064	224,830	42
Total Deferred Debits	**198,309**	**224,830**	43
TOTAL ASSETS AND OTHER DEBITS	**17,922,437**	**17,923,290**	44

Balance Sheet

Liabilities and Othe Credits (a)	Balance End of Year (b)	Balance First of Year (c)	
LIABILITIES AND OTHER CREDITS			1
PROPRIETARY CAPITAL			2
Capital Paid in by Municipality (200)	1,219,478	1,219,478	3
Appropriated Earned Surplus (215)	0	0	4
Unappropriated Earned Surplus (216)	12,739,080	12,312,332	5
Total Proprietary Capital	**13,958,558**	**13,531,810**	6
LONG-TERM DEBT			7
Bonds (221)	3,043,747	3,417,424	8
Advances from Municipality (223)	0	0	9
Other Long-Term Debt (224)	0	0	10
Total Long-Term Debt	**3,043,747**	**3,417,424**	11
CURRENT AND ACCRUED LIABILITIES			12
Notes Payable (231)	0	0	13
Accounts Payable (232)	41,068	75,448	14
Payables to Municipality (233)	26,233	15,409	15
Customer Deposits (235)	0	0	16
Taxes Accrued (236)	420,305	387,855	17
Interest Accrued (237)	9,783	10,653	18
Tax Collections Payable (241)	0	0	19
Miscellaneous Current and Accrued Liabilities (242)	21,314	36,404	20
Total Current and Accrued Liabilities	**518,703**	**525,769**	21
DEFERRED CREDITS			22
Unamortized Premium on Debt (251)	29,046	35,638	23
Customer Advances for Construction (252)	0	0	24
Other Deferred Credits (253)	372,383	412,649	25
Total Deferred Credits	**401,429**	**448,287**	26
OPERATING RESERVES			27
Property Insurance Reserve (261)	0	0	28
Injuries and Damages Reserve (262)	0	0	29
Pensions and Benefits Reserve (263)	0	0	30
Miscellaneous Operating Reserves (265)	0	0	31
Total Operating Reserves	**0**	**0**	32
TOTAL LIABILITIES AND OTHER CREDITS	**17,922,437**	**17,923,290**	33

Net Utility Plant

- Report utility plant accounts and related accumulated provisions for depreciation and amortization after allocation of common plant accounts and related provisions for depreciation and amortization to utility departments as of December 31.

Particulars (a)	Water (b)	Electric (c)	Gas (d)	Sewer (e)	
First of Year					1
Total Utility Plant - First of Year	22,060,141	0	0	0	2
	22,060,141	**0**	**0**	**0**	3
Plant Accounts					4
Utility Plant in Service - Financed by Utility Operations or by the Municipality (101.1)	15,364,438				5
Utility Plant in Service - Contributed Plant (101.2)	7,589,175				6
Utility Plant Purchased or Sold (102)					7
Utility Plant Leased to Others (104)					8
Property Held for Future Use (105)					9
Completed Construction not Classified (106)					10
Construction Work in Progress (107)	5,693				11
Total Utility Plant	**22,959,306**	**0**	**0**	**0**	12
Accumulated Provision for Depreciation and Amortization					13
Accumulated Provision for Depreciation of Utility Plant in Service - Financed by Utility Operations or by the Municipality (111.1)	5,000,572				14
Accumulated Provision for Depreciation of Utility Plant in Service - Contributed Plant (111.2)	2,109,593				15
Accumulated Provision for Depreciation of Utility Plant Leased to Others (112)					16
Accumulated Provision for Depreciation of Property Held for Future Use (113)					17
Accumulated Provision for Amortization of Utility Plant in Service (114)					18
Accumulated Provision for Amortization of Utility Plant Leased to Others (115)					19
Accumulated Provision for Amortization of Property Held for Future Use (116)					20
Total Accumulated Provision	**7,110,165**	**0**	**0**	**0**	21
Accumulated Provision for Depreciation and Amortization					22
Utility Plant Acquisition Adjustments (117)					23
Accumulated Provision for Amortization of Utility Plant Acquisition Adjustments (118)					24
Other Utility Plant Adjustments (119)					25
Total Other Utility Plant Accounts	**0**	**0**	**0**	**0**	26
Net Utility Plant	**15,849,141**	**0**	**0**	**0**	27

Accumulated Provision for Depreciation of Utility Plant on Utility Plant Financed by Utility Operations or by the Municipality (Acct. 111.1)

Depreciation Accruals (Credits) during the year (111.1):

- Report the amounts charged in the operating sections to Depreciation Expense (403).
- If sewer operations are nonregulated, do not report sewer depreciation on this schedule.
- Report the Depreciation Expense on Meters charged to sewer operations as an addition in the Water Column. If the sewer is also a regulated utility by the PSC, report an equal amount as a reduction in the Sewer column.
- Report all other accruals charged to other accounts, such as to clearing accounts.

Description (a)	Water (b)	Electric (c)	Gas (d)	Sewer (e)	Total (f)	
Balance First of Year (111.1)	4,786,327	0	0	0	**4,786,327**	1
Credits during year						2
Charged Depreciation Expense (403)	315,908				**315,908**	3
Depreciation Expense on Meters Charged to Sewer	21,832				**21,832**	4
Salvage	0				**0**	5
Clearing	6,300				**6,300**	6
Total credits	**344,040**	**0**	**0**	**0**	**344,040**	7
Debits during year						8
Book Cost of Plant Retired	88,352				**88,352**	9
Cost of Removal	41,443				**41,443**	10
Total debits	**129,795**	**0**	**0**	**0**	**129,795**	11
Balance end of year (111.1)	**5,000,572**	**0**	**0**	**0**	**5,000,572**	12

Accumulated Provision for Depreciation of Utility Plant on Contributed Plant in Service (Acct. 111.2)

Depreciation Accruals (Credits) during the year (111.2):

- Report the amounts charged in the operating sections to Other Income Deductions (426).
- If sewer operations are nonregulated, do not report sewer depreciation on this schedule.
- Report the Depreciation Expense on Meters charged to sewer operations as an addition in the Water Column. If the sewer is also a regulated utility by the PSC, report an equal amount as a reduction in the Sewer column.
- Report all other accruals charged to other accounts, such as to clearing accounts.

Description (a)	Water (b)	Electric (c)	Gas (d)	Sewer (e)	Total (f)	
Balance First of Year (111.2)	1,992,234	0	0	0	**1,992,234**	1
Credits during year						2
Charged Other Income Deductions (426)	128,693				**128,693**	3
Depreciation Expense on Meters Charged to Sewer					**0**	4
Salvage	0				**0**	5
Total credits	**128,693**	**0**	**0**	**0**	**128,693**	6
Debits during year						7
Book Cost of Plant Retired	11,334				**11,334**	8
Cost of Removal	0				**0**	9
Total debits	**11,334**	**0**	**0**	**0**	**11,334**	10
Balance end of year (111.2)	**2,109,593**	**0**	**0**	**0**	**2,109,593**	11

Net Nonutility Property (Accts. 121 & 122)

- Report separately each item of property with a book cost of $5,000 or more included in account 121.
- Other items may be grouped by classes of property.
- Describe in detail any investment in sewer department carried in this account.

Description (a)	Balance First of Year (b)	Additions During Year (c)	Deductions During Year (d)	Balance End of Year (e)	
Nonregulated sewer plant	0			**0**	1
Park shelter at well house	107,000			**107,000**	2
Total Nonutility Property (121)	**107,000**	**0**	**0**	**107,000**	3
Less accum. prov. depr. & amort. (122)	**76,362**	**4,280**		**80,642**	4
Net Nonutility Property	**30,638**	**(4,280)**	**0**	**26,358**	5

Accumulated Provision for Uncollectible Accounts-Cr. (Acct. 144)

	Description (a)	Amount (b)	
	Balance first of year	0	1
Additions			2
	Provision for uncollectibles during year	0	3
	Collection of accounts previously written off: Utility Customers	0	4
	Collection of accounts previously written off: Others	0	5
Total Additions		**0**	6
Accounts Written Off			7
	Accounts written off during the year: Utility Customers	0	8
	Accounts written off during the year: Others	0	9
Total Accounts Written Off		**0**	10
Balance End of Year		**0**	11

Materials and Supplies

Account (a)	Generation (b)	Transmission (d)	Distribution (d)	Other (e)	Total End of Year (f)	Amount Prior Year (g)	
Electric Utility							1
Fuel (151)					**0**	**0**	2
Fuel stock expenses (152)					**0**	**0**	3
Plant mat. & oper. sup. (154)					**0**	**0**	4
Total Electric Utility	**0**	**0**	**0**	**0**	**0**	**0**	5

Account	Total End of Year	Amount Prior Year	
Electric utility total	**0**	**0**	1
Water utility (154)	41,401	**34,812**	2
Sewer utility (154)			3
Heating utility (154)			4
Gas utility (154)			5
Merchandise (155)			6
Other materials & supplies (156)			7
Stores expense (163)			8
Total Material and Supplies	**41,401**	**34,812**	9

Unamortized Debt Discount & Expense & Premium on Debt (Accts. 181 and 251)

Report net discount and expense or premium separately for each security issue.

Debt Issue to Which Related (a)	Written Off During Year: Amount (b)	Written Off During Year: Account Charged or Credited (c)	Balance End of Year (d)	
Unamortized debt discount & expense (181)				1
None				2
Total	**0**		**0**	3
Unamortized premium on debt (251)				4
2016 MRB	6,592	429	29,046	5
None				6
Total	**6,592**		**29,046**	7

Capital Paid in by Municipality (Acct. 200)

Report each item (when individually or when like items are combined) greater than $10,000 (class AB), $5,000 (class C) and $2,000 (class D, sewer and privates) and all other lesser amounts grouped as Miscellaneous. Describe fully using other than account titles.

	Description (a)	Amount (b)	
Balance first of year		1,219,478	1
Balance end of year		**1,219,478**	2

Bonds (Acct. 221)

- Report information required for each separate issue of bonds.
- If there is more than one interest rate for an aggregate obligation issue, average the interest rates and report one rate.
- Proceeds advanced by the municipality from sale of general obligation bonds, if repayable by utility, should be included in account 223.
- Enter interest rates in decimal form. For example, enter 6.75% as 0.0675

Description of Issue (a)	Date of Issue (b)	Final Maturity Date (c)	Interest Rate (d)	Principal Amount End of Year (e)	
2010 Mortgage Revenue Bonds	01/27/2010	05/01/2029	2.63%	395,747	1
2015 General Obligation Bonds	07/09/2015	04/01/2025	2.00%	423,000	2
2016 Mortgage Revenue Bonds	05/26/2016	05/01/2026	1.42%	2,225,000	3
Total				**3,043,747**	4

Notes Payable & Miscellaneous Long-Term Debt

- Report each class of debt included in Accounts 223, 224 and 231.
- Proceeds of general obligation issues, if subject to repayment by the utility, should be included in Account 223.
- If there is more than one interest rate for an aggregate obligation issue, average the interest rates and report one rate.
- Enter interest rates in decimal form. For example, enter 6.75% as 0.0675

- - - THIS SCHEDULE NOT APPLICABLE TO THIS UTILITY- - -

Taxes Accrued (Acct. 236)

Description (a)	Amount (b)	
Balance first of year	387,855	1
Charged water department expense	442,509	2
Charged electric department expense		3
Charged gas department expense		4
Charged sewer department expense	7,618	5
Total accruals and other credits	**450,127**	6
County, state and local taxes	387,855	7
Social Security taxes	27,745	8
PSC Remainder Assessment	2,077	9
Gross Receipts Tax		10
Total payments and other debits	**417,677**	11
Balance end of year	**420,305**	12

Interest Accrued (Acct. 237)

- Report below interest accrued on each utility obligation.
- Report customer deposits under account 235.

Description of Issue (a)	Interest Accrued Balance First of Year (b)	Interest Accrued During Year (c)	Interest Paid During Year (d)	Interest Accrued Balance End of Year (e)	
Bonds (221)	0	0	0	**0**	1
2010 REVENUE BONDS - EIF	1,883	10,805	10,928	**1,760**	2
2015 General Obligation Bonds	2,422	8,925	9,180	**2,167**	3
2016 Mortgage Revenue Bonds	6,348	36,121	36,613	**5,856**	4
Subtotal Bonds (221)	**10,653**	**55,851**	**56,721**	**9,783**	5
Advances from Municipality (223)	0	0	0	**0**	6
None				**0**	7
Subtotal Advances from Municipality (223)	**0**	**0**	**0**	**0**	8
Other Long-Term Debt (224)	0	0	0	**0**	9
None				**0**	10
Subtotal Other Long-Term Debt (224)	**0**	**0**	**0**	**0**	11
Notes Payable (231)	0	0	0	**0**	12
None				**0**	13
Subtotal Notes Payable (231)	**0**	**0**	**0**	**0**	14
Customer Deposits (235)	0	0	0	**0**	15
None				**0**	16
Subtotal Customer Deposits (235)	**0**	**0**	**0**	**0**	17
Total	**10,653**	**55,851**	**56,721**	**9,783**	18

Balance Sheet Detail - Other Accounts

Report each item (when individually or when like items are combined) greater than $10,000 (class AB), $5,000 (class C) and $2,000 (class D) and all other lesser amounts grouped as Miscellaneous. Describe fully using other than account titles.

Description (a)	Balance End of Year (b)	
Sinking Funds (125)	0	1
Redemption Fund	262,397	2
Reserve Fund	244,677	3
Total (Acct. 125)	**507,074**	4
Depreciation Fund (126)	0	5
Depreciation Fund	25,000	6
Total (Acct. 126)	**25,000**	7
Other Special Funds (128)	0	8
Sick Leave Reserve	99,237	9
Total (Acct. 128)	**99,237**	10
Cash and Working Funds (131)	0	11
Cash	478,974	12
Total (Acct. 131)	**478,974**	13
Customer Accounts Receivable (142)	0	14
Water	216,487	15
Total (Acct. 142)	**216,487**	16
Other Accounts Receivable (143)	0	17
Sewer (Non-regulated)		18
Merchandising, jobbing and contract work		19
Miscellaneous	5,356	20
Total (Acct. 143)	**5,356**	21
Receivables from Municipality (145)	0	22
Receivables from Municipality	238,930	23
Total (Acct. 145)	**238,930**	24
Prepayments (165)	0	25
Prepaid Insurance	2,692	26
Total (Acct. 165)	**2,692**	27
Interest and Dividends Receivable (171)	0	28
Interest Receivable	1,271	29
Total (Acct. 171)	**1,271**	30
Miscellaneous Current and Accrued Assets (174)	0	31
Special Assessments - Hults Road	232,207	32

Balance Sheet Detail - Other Accounts

Report each item (when individually or when like items are combined) greater than $10,000 (class AB), $5,000 (class C) and $2,000 (class D) and all other lesser amounts grouped as Miscellaneous. Describe fully using other than account titles.

Total (Acct. 174)	**232,207**	33
Preliminary Survey and Investigation Charges (183)	0	34
Preliminary Survey and Investigation	9,245	35
Total (Acct. 183)	**9,245**	36
Miscellaneous Deferred Debits (186)	0	37
Deferred Ouflows of Resources - Pension	136,127	38
Regulatory Asset - Pension	52,937	39
Total (Acct. 186)	**189,064**	40
Accounts Payable (232)	0	41
Accounts Payable	41,068	42
Total (Acct. 232)	**41,068**	43
Payables to Municipality (233)	0	44
Payable to Municipality	26,233	45
Total (Acct. 233)	**26,233**	46
Miscellaneous Current and Accrued Liabilities (242)	0	47
Net Pension Liability	21,314	48
Total (Acct. 242)	**21,314**	49
Other Deferred Credits (253)	0	50
Regulatory Liability	205,372	51
Compensated Absences	109,740	52
Deferred Inflows - Pension	57,271	53
Total (Acct. 253)	**372,383**	54

Balance Sheet Detail - Other Accounts

Report each item (when individually or when like items are combined) greater than $10,000 (class AB), $5,000 (class C) and $2,000 (class D) and all other lesser amounts grouped as Miscellaneous. Describe fully using other than account titles.

Balance Sheet Detail - Other Accounts (Page F-22)

Explain amounts in Accounts 143, 145 and/or 233 in excess of $10,000. Provide a short list or detailed description, but do not use terms such as other revenues, general, miscellaneous, or repeat the account title.

233 - Consists of bond issuance costs paid by the city in 2015 related to the 2015 GO borrowing, interest payments made on the 2015 GO borrowing by the city and other operating costs including insurance, rent, etc.

145 - Consists of water utility bills placed on the tax roll and special assessments collected throughout 2017.

Return on Rate Base Computation

- The data used in calculating rate base are averages.
- Calculate those averages by summing the first-of-year and the end-of-year figures for each account and then dividing the sum by two.
- For municipal utilities, do not include contributed plant in service, property held for future use, or construction work in progress with utility plant in service. These are not rate base components.
- For private utilities, do not include property held for future use, or construction work in progress with utility plant in service. These are not rate base components.

Average Rate Base (a)	Water (b)	Electric (c)	Gas (d)	Sewer (e)	Total (f)	
Add Average						1
Utility Plant in Service (101.1)	14,982,698				**14,982,698**	2
Materials and Supplies	38,106				**38,106**	3
Less Average						4
Reserve for Depreciation (111.1)	4,893,449				**4,893,449**	5
Customer Advances for Construction					**0**	6
Regulatory Liability	222,486				**222,486**	7
Average Net Rate Base	**9,904,869**	**0**	**0**	**0**	**9,904,869**	8
Net Operating Income	320,157				**320,157**	9
Net Operating Income as a percent of Average Net Rate Base	**3.23%**	**N/A**	**N/A**	**N/A**	**3.23%**	10

Regulatory Liability - Pre-2003 Historical Accumulated Depreciation on Contributed Utility Plant (253)

Description (a)	Water (b)	Electric (c)	Gas (d)	Sewer (e)	Total (f)	
Balance First of Year	239,600	0	0	0	**239,600**	1
Credits During Year					**0**	2
None					**0**	3
Charges (Deductions)					**0**	4
Miscellaneous Amortization (425)	34,228				**34,228**	5
Balance End of Year	**205,372**	**0**	**0**	**0**	**205,372**	6

Important Changes During the Year

Report changes of any of the following types:

1. Acquisitions

2. Leaseholder changes

3. Extensions of service

4. Estimated changes in revenues due to rate changes

5. Obligations incurred or assumed, excluding commercial paper

6. Formal proceedings with the Public Service Commission

7. Any additional matters

Water Operating Revenues & Expenses

Description (a)	This Year (b)	Last Year (c)	
Operating Revenues - Sales of Water			1
Sales of Water (460-467)	2,033,610	1,960,677	2
Total Sales of Water	**2,033,610**	**1,960,677**	3
Other Operating Revenues			4
Forfeited Discounts (470)	6,420	6,309	5
Rents from Water Property (472)	17,798	0	6
Interdepartmental Rents (473)	0	0	7
Other Water Revenues (474)	13,399	34,137	8
Total Other Operating Revenues	**37,617**	**40,446**	9
Total Operating Revenues	**2,071,227**	**2,001,123**	10
Operation and Maintenenance Expenses			11
Source of Supply Expense (600-617)	138	4,675	12
Pumping Expenses (620-633)	196,642	201,633	13
Water Treatment Expenses (640-652)	73,359	68,578	14
Transmission and Distribution Expenses (660-678)	270,140	262,642	15
Customer Accounts Expenses (901-906)	108,268	99,998	16
Sales Expenses (910)	0	0	17
Administrative and General Expenses (920-932)	344,106	332,407	18
Total Operation and Maintenenance Expenses	**992,653**	**969,933**	19
Other Operating Expenses			20
Depreciation Expense (403)	315,908	302,956	21
Amortization Expense (404-407)			22
Taxes (408)	442,509	410,126	23
Total Other Operating Expenses	**758,417**	**713,082**	24
Total Operating Expenses	**1,751,070**	**1,683,015**	25
NET OPERATING INCOME	**320,157**	**318,108**	26

Water Operating Revenues - Sales of Water

- Where customer meters record cubic feet, multiply by 7.48 to obtain number of gallons.
- Report estimated gallons for unmetered sales.
- Sales to multiple dwelling buildings through a single meter serving 3 or more family units should be classified multifamily residential.
- Account 460, Unmetered Sales to General Customers - Gallons of Water Sold should not include in any way quantity of water, i.e. metered or measured by tank of pool volume. The quantity should be estimated based on size of pipe, flow, foot of frontage, etc. Bulk water sales should be Account 460 if the quantity is estimated and should be Account 461 if metered or measured by volume. Water related to construction should be a measured sale of water (Account 461).
- Report average number of individually-metered accounts (meters). The amount reported should be the average meter count. E.g. if a hospital has 5 meters, a total of 5 meters should be reported on this schedule in column b (Average No. of Customers).

Description (a)	Average No. Customer (b)	Thousand of Gallons of Water Sold (c)	Amount (d)	
Unmetered Sales to General Customers (460)				1
Residential (460.1)				2
Commercial (460.2)	13	182	957	3
Industrial (460.3)				4
Public Authority (460.4)	2	1,213	2,942	5
Multifamily Residential (460.5)				6
Irrigation (460.6)				7
Total Unmetered Sales to General Customers (460)	**15**	**1,395**	**3,899**	8
Metered Sales to General Customers (461)				9
Residential (461.1)	4,515	203,059	899,421	10
Commercial (461.2)	380	54,427	168,601	11
Industrial (461.3)	21	174,238	301,957	12
Public Authority (461.4)	50	4,976	19,310	13
Multifamily Residential (461.5)	65	26,232	74,247	14
Irrigation (461.6)				15
Total Metered Sales to General Customers (461)	**5,031**	**462,932**	**1,463,536**	16
Private Fire Protection Service (462)	68		43,901	17
Public Fire Protection Service (463)	4,991		520,495	18
Other Water Sales (465)				19
Sales for Resale (466)	0	0	0	20
Interdepartmental Sales (467)	3	432	1,779	21
Total Sales of Water	**10,108**	**464,759**	**2,033,610**	22

Sales for Resale (Acct. 466)

Use a separate line for each delivery point.

- - - THIS SCHEDULE NOT APPLICABLE TO THIS UTILITY- - -

Other Operating Revenues (Water)

- Report revenues relating to each account and fully describe each item using other than the account title.
- Report each item (when individually or when like items are combined) greater than $10,000 (class AB), $5,000 (class C) and $2,000 (class D and privates) and all other lesser amounts grouped as Miscellaneous.
- For a combined utility which also provides sewer service that is based upon water readings, report the return on net investment in meters charged to sewer department in Other Water Revenues (474).

Description (a)	Amount (b)	
Public Fire Protection Service (463)		1
Amount billed (usually per rate schedule F-1 or Fd-1)	520,495	2
Wholesale fire protection billed		3
Amount billed for fighting fires outside utility's service areas (usually per rate schedule F-2 or BW-1)		4
Total Public Fire Protection Service (463)	**520,495**	5
Forfeited Discounts (470)		6
Customer late payment charges	6,420	7
Total Forfeited Discounts (470)	**6,420**	8
Rents from Water Property (472)		9
Rent of tower for cellular antennas	17,798	10
Total Rents from Water Property (472)	**17,798**	11
Interdepartmental Rents (473)		12
None		13
Total Interdepartmental Rents (473)	**0**	14
Other Water Revenues (474)		15
Return on net investment in meters charged to sewer department	13,399	16
Total Other Water Revenues (474)	**13,399**	17

Other Operating Revenues (Water)

- Report revenues relating to each account and fully describe each item using other than the account title.
- Report each item (when individually or when like items are combined) greater than $10,000 (class AB), $5,000 (class C) and $2,000 (class D and privates) and all other lesser amounts grouped as Miscellaneous.
- For a combined utility which also provides sewer service that is based upon water readings, report the return on net investment in meters charged to sewer department in Other Water Revenues (474).

Other Operating Revenues (Water) (Page W-04)

Explain all amounts in Account 474 in excess of $10,000.

This consists of revenue for the return on net investment of meters charged to the sewer department.

Water Operation & Maintenance Expenses

- Each expense account that has a difference between This Year and Last Year greater than 15 percent and $10,000 (class AB), 25 percent and $5,000 (class C), 30 percent and $2,000 (class D) shall be fully explained in the schedule footnotes.
- Class C and class D report all expenses in Other Expense (column c)

Description (a)	Labor Expense (b)	Other Expense (c)	Total This Year (d)	Last Year (e)	
SOURCE OF SUPPLY EXPENSES					1
Operation Supervision and Engineering (600)			0	0	2
Operation Labor and Expenses (601)			0	0	3
Purchased Water (602)			0	0	4
Miscellaneous Expenses (603)			0	0	5
Rents (604)			0	0	6
Maintenance Supervision and Engineering (610)			0	0	7
Maintenance of Structures and Improvements (611)			0	0	8
Maintenance of Collecting and Impounding Reservoirs (612)			0	0	9
Maintenance of Lake, River and Other Intakes (613)			0	0	10
Maintenance of Wells and Springs (614)		138	138	4,675	11
Maintenance of Supply Mains (616)			0	0	12
Maintenance of Miscellaneous Water Source Plant (617)			0	0	13
Total Source of Supply Expenses	**0**	**138**	**138**	**4,675**	14
PUMPING EXPENSES					15
Operation Supervision and Engineering (620)			0	0	16
Fuel for Power Production (621)			0	0	17
Power Production Labor and Expenses (622)			0	0	18
Fuel or Power Purchased for Pumping (623)		135,190	135,190	128,913	19
Pumping Labor and Expenses (624)	1,576	1,323	2,899	15,995 *	20
Expenses Transferred--Credit (625)			0	0	21
Miscellaneous Expenses (626)		1,501	1,501	2,475	22
Rents (627)			0	0	23
Maintenance Supervision and Engineering (630)			0	0	24
Maintenance of Structures and Improvements (631)	18,480	5,839	24,319	19,526	25
Maintenance of Power Production Equipment (632)	42		42	0	26
Maintenance of Pumping Equipment (633)	3,782	28,909	32,691	34,724	27
Total Pumping Expenses	**23,880**	**172,762**	**196,642**	**201,633**	28
WATER TREATMENT EXPENSES					29
Operation Supervision and Engineering (640)			0	0	30
Chemicals (641)		16,159	16,159	14,569	31
Operation Labor and Expenses (642)	45,994	7,743	53,737	44,842	32
Miscellaneous Expenses (643)			0	0	33
Rents (644)			0	0	34
Maintenance Supervision and Engineering (650)			0	0	35
Maintenance of Structures and Improvements (651)	925		925	900	36
Maintenance of Water Treatment Equipment (652)	2,062	476	2,538	8,267	37
Total Water Treatment Expenses	**48,981**	**24,378**	**73,359**	**68,578**	38
TRANSMISSION AND DISTRIBUTION EXPENSES					39
Operation Supervision and Engineering (660)			0	0	40
Storage Facilities Expenses (661)			0	0	41

Water Operation & Maintenance Expenses

- Each expense account that has a difference between This Year and Last Year greater than 15 percent and $10,000 (class AB), 25 percent and $5,000 (class C), 30 percent and $2,000 (class D) shall be fully explained in the schedule footnotes.
- Class C and class D report all expenses in Other Expense (column c)

Description (a)	Labor Expense (b)	Other Expense (c)	Total This Year (d)	Last Year (e)		
Transmission and Distribution Lines Expenses (662)	13,656	113	13,769	14,316		42
Meter Expenses (663)	17,753	22,346	40,099	25,178	*	43
Customer Installations Expenses (664)			0	0		44
Miscellaneous Expenses (665)	39,320	2,199	41,519	40,808		45
Rents (666)			0	0		46
Maintenance Supervision and Engineering (670)			0	0		47
Maintenance of Structures and Improvements (671)			0	0		48
Maintenance of Distribution Reservoirs and Standpipes (672)	491	46,339	46,830	53,069		49
Maintenance of Transmission and Distribution Mains (673)	37,683	20,737	58,420	51,540		50
Maintenance of Services (675)	26,222	8,931	35,153	51,644	*	51
Maintenance of Meters (676)		1,160	1,160	510		52
Maintenance of Hydrants (677)	10,647	20,195	30,842	16,191	*	53
Maintenance of Miscellaneous Plant (678)	2,023	325	2,348	9,386		54
Total Transmission and Distribution Expenses	**147,795**	**122,345**	**270,140**	**262,642**		55
CUSTOMER ACCOUNTS EXPENSES						56
Supervision (901)			0	0		57
Meter Reading Expenses (902)	13,820		13,820	7,522		58
Customer Records and Collection Expenses (903)	47,097	47,202	94,299	92,476		59
Uncollectible Accounts (904)		149	149	0		60
Miscellaneous Customer Accounts Expenses (905)			0	0		61
Customer Service and Informational Expenses (906)			0	0		62
Total Customer Accounts Expenses	**60,917**	**47,351**	**108,268**	**99,998**		63
SALES EXPENSES						64
Sales Expenses (910)			0	0		65
Total Sales Expenses	**0**	**0**	**0**	**0**		66
ADMINISTRATIVE AND GENERAL EXPENSES						67
Administrative and General Salaries (920)	138,464	14,448	152,912	157,264		68
Office Supplies and Expenses (921)		14,259	14,259	14,581		69
Administrative Expenses Transferred--Credit (922)			0	0		70
Outside Services Employed (923)		30,927	30,927	28,928		71
Property Insurance (924)		11,355	11,355	11,054		72
Injuries and Damages (925)	538	12,002	12,540	12,621		73
Employee Pensions and Benefits (926)		109,682	109,682	92,302	*	74
Regulatory Commission Expenses (928)			0	4,991		75
Duplicate Charges--Credit (929)			0	0		76
Miscellaneous General Expenses (930)		169	169	471		77
Rents (931)		4,245	4,245	4,247		78
Maintenance of General Plant (932)	272	7,745	8,017	5,948		79
Total Administrative and General Expenses	**139,274**	**204,832**	**344,106**	**332,407**		80
TOTAL OPERATION AND MAINTENANCE EXPENSES	**420,847**	**571,806**	**992,653**	**969,933**		81

Water Operation & Maintenance Expenses

- Each expense account that has a difference between This Year and Last Year greater than 15 percent and $10,000 (class AB), 25 percent and $5,000 (class C), 30 percent and $2,000 (class D) shall be fully explained in the schedule footnotes.
- Class C and class D report all expenses in Other Expense (column c)

Water Operation & Maintenance Expenses (Page W-05)

Explain all This Year amounts that are more than 15% and $10,000 higher or lower than the Last Year amount.

624 - The decrease in this account is due to $12,404 incurred in 2016 related to a pump failure at Well #4.

663 - The increase in this account is due to $18,000 incurred in 2017 for the meter chamber replacement program.

675 - There were considerably higher maintenance costs due to frozen service laterals and other identified leaks in 2016 compared to 2017.

677 - All cross connection inspection costs were recorded to his account in 2017 vs only a portion of these costs being recorded here in 2016.

926 - The entire increase in this balance is mainly attributable to increased health insurance premium costs in 2017.

Taxes (Acct. 408 - Water)

When allocation of taxes is made between departments, explain method used.

Description of Tax (a)	This Year (b)	Last Year (c)	
Property Tax Equivalent	420,305	387,855	1
Less: Local and School Tax Equivalent on Meters Charged to Sewer Department	7,618	7,290	2
Net Property Tax Equivalent	**412,687**	**380,565**	3
Social Security	27,745	27,673	4
PSC Remainder Assessment	2,077	1,888	5
Total Tax Expense	**442,509**	**410,126**	6

Water Property Tax Equivalent - Detail

- No property tax equivalent shall be determined for sewer utilities or town sanitary district water utilities.
- Tax rates are those issued in November (usually) of the year being reported and are available from the municipal treasurer. Report the tax rates in mills to six (6) decimal places.
- The assessment ratio is available from the municipal treasurer. Report the ratio as a decimal to six (6) places.
- The utility plant balance first of year should include the gross book values of plant in service (total of utility financed and contributed plant), property held for future use and construction work in progress.
- An "other tax rate" is included in the "Net Local and School Tax Rate Calculation" to the extent that it is local. An example is a local library tax. Fully explain the rate in the Property Tax Equivalent schedule footnotes.
- **Property Tax Equivalent - Total**
  If the municipality has authorized a lower tax equivalent amount, the authorization description and date of the authorization must be reported in the schedule footnotes. If the municipality has NOT authorized a lower amount, leave the cell blank.

COUNTY: DANE(1)

SUMMARY OF TAX RATES		
1. State Tax Rate	mills	0.000000
2. County Tax Rate	mills	3.176881
3. Local Tax Rate	mills	8.432993
4. School Tax Rate	mills	11.568206
5. Vocational School Tax Rate	mills	0.952070
6. Other Tax Rate - Local	mills	0.000000
7. Other Tax Rate - Non-Local	mills	0.000000
8. Total Tax Rate	mills	**24.130150**
9. Less: State Credit	mills	1.946169
11. Net Tax Rate	mills	**22.183981**

PROPERTY TAX EQUIVALENT CALCULATION		
12. Local Tax Rate	mills	**8.432993**
13. Combined School Tax Rate	mills	**12.520276**
14. Other Tax Rate - Local	mills	**0.000000**
15. Total Local & School Tax Rate	mills	**20.953269**
16. Total Tax Rate	mills	**24.130150**
17. Ratio of Local and School Tax to Total	dec.	**0.868344**
18. Total Tax Net of State Credit	mills	**22.183981**
19. Net Local and School Tax Rate	mills	**19.263325**
20. Utility Plant, Jan 1	$	22,060,141
21. Materials & Supplies	$	34,812
22. Subtotal	$	**22,094,953**
23. Less: Plant Outside Limits	$	0
24. Taxable Assets	$	**22,094,953**
25. Assessment Ratio	dec.	0.987506
26. Assessed Value	$	**21,818,899**
27. Net Local and School Tax Rate	mills	**19.263325**
28. Tax Equiv. Computed for Current Year	$	**420,305**

PROPERTY TAX EQUIVALENT - TOTAL

PROPERTY TAX EQUIVALENT CALCULATION		
1. Utility Plant, Jan 1	$	22,060,141
2. Materials & Supplies	$	34,812
3. Subtotal	$	**22,094,953**
4. Less: Plant Outside Limits	$	0
5. Taxable Assets	$	**22,094,953**
6. Assessed Value	$	**21,818,899**
7. Tax Equiv. Computed for Current Year	$	**420,305**
8. Tax Equivalent per 1994 PSC Report	$	130,803
9. Amount of Lower Tax Equiv. as Authorized by Municipality for Current Year (see notes)	$	
10. Tax Equivalent for Current Year (see notes)	**$**	**420,305**

Water Utility Plant in Service - Plant Financed by Utility or Municipality

- All adjustments, corrections and reclassifications (including to/from plant financed by contributions) should be reported in Column (e), Adjustments.
- Explain fully as a footnote the nature of all entries reported in Column (e), Adjustments.
- For each account over $100,000 (class AB) or $50,000 (class C) or $10,000 (class D), explain in the footnotes section the dollar additions and retirements. If applicable, the footnotes should cite construction authorization, complete with PSC docket number.
- Use only the account titles listed. If the utility has subaccounts other than accounts 391.1 and 397.1, combine them into one total and detail by subaccount as a schedule footnote.

Accounts (a)	Balance First of Year (b)	Additions During Year (c)	Retirements During Year (d)	Adjustments Increase or (Decrease) (e)	Balance End of Year (f)	
INTANGIBLE PLANT						1
Organization (301)	0				**0**	2
Franchises and Consents (302)	0				**0**	3
Miscellaneous Intangible Plant (303)	0				**0**	4
Total Intangible Plant	**0**	**0**	**0**	**0**	**0**	5
SOURCE OF SUPPLY PLANT						6
Land and Land Rights (310)	11,635				**11,635**	7
Structures and Improvements (311)	0				**0**	8
Collecting and Impounding Reservoirs (312)	0				**0**	9
Lake, River and Other Intakes (313)	0				**0**	10
Wells and Springs (314)	595,730				**595,730**	11
Supply Mains (316)	0				**0**	12
Other Water Source Plant (317)	0				**0**	13
Total Source of Supply Plant	**607,365**	**0**	**0**	**0**	**607,365**	14
PUMPING PLANT						15
Land and Land Rights (320)	0				**0**	16
Structures and Improvements (321)	625,810	29,800	11,000		**644,610**	17
Other Power Production Equipment (323)	278,732	12,923	7,897		**283,758**	18
Electric Pumping Equipment (325)	584,896				**584,896**	19
Diesel Pumping Equipment (326)	0				**0**	20
Other Pumping Equipment (328)	0				**0**	21
Total Pumping Plant	**1,489,438**	**42,723**	**18,897**	**0**	**1,513,264**	22
WATER TREATMENT PLANT						23
Land and Land Rights (330)	0				**0**	24
Structures and Improvements (331)	13,671				**13,671**	25
Sand or Other Media Filtration Equipment (332)	77,092				**77,092**	26
Membrane Filtration Equipment (333)	0				**0**	27
Other Water Treatment Equipment (334)	0				**0**	28
Total Water Treatment Plant	**90,763**	**0**	**0**	**0**	**90,763**	29
TRANSMISSION AND DISTRIBUTION PLANT						30
Land and Land Rights (340)	13,206				**13,206**	31
Structures and Improvements (341)	1,611				**1,611**	32
Distribution Reservoirs and Standpipes (342)	1,342,099			1	**1,342,100**	33
Transmission and Distribution Mains (343)	6,684,433	494,423	5,288	(963)	**7,172,605**	34
Services (345)	1,512,879	144,396	1,326		**1,655,949**	35
Meters (346)	774,883	92,705	54,655		**812,933**	36
Hydrants (348)	842,777	78,916	7,259	(5,759)	**908,675**	37

Water Utility Plant in Service - Plant Financed by Utility or Municipality

- All adjustments, corrections and reclassifications (including to/from plant financed by contributions) should be reported in Column (e), Adjustments.
- Explain fully as a footnote the nature of all entries reported in Column (e), Adjustments.
- For each account over $100,000 (class AB) or $50,000 (class C) or $10,000 (class D), explain in the footnotes section the dollar additions and retirements. If applicable, the footnotes should cite construction authorization, complete with PSC docket number.
- Use only the account titles listed. If the utility has subaccounts other than accounts 391.1 and 397.1, combine them into one total and detail by subaccount as a schedule footnote.

Accounts (a)	Balance First of Year (b)	Additions During Year (c)	Retirements During Year (d)	Adjustments Increase or (Decrease) (e)	Balance End of Year (f)	
Other Transmission and Distribution Plant (349)	973	4,815	927		**4,861**	38
Total Transmission and Distribution Plant	**11,172,861**	**815,255**	**69,455**	**(6,721)**	**11,911,940**	39
GENERAL PLANT						40
Land and Land Rights (389)	0				**0**	41
Structures and Improvements (390)	412,821				**412,821**	42
Office Furniture and Equipment (391)	62,497	571			**63,068**	43
Computer Equipment (391.1)	55,313				**55,313**	44
Transportation Equipment (392)	55,920			3	**55,923**	45
Stores Equipment (393)	8,270				**8,270**	46
Tools, Shop and Garage Equipment (394)	47,309				**47,309**	47
Laboratory Equipment (395)	0				**0**	48
Power Operated Equipment (396)	102,034				**102,034**	49
Communication Equipment (397)	37,858				**37,858**	50
SCADA Equipment (397.1)	458,421				**458,421**	51
Miscellaneous Equipment (398)	89				**89**	52
Total General Plant	**1,240,532**	**571**	**0**	**3**	**1,241,106**	53
Total utility plant in service directly assignable	**14,600,959**	**858,549**	**88,352**	**(6,718)**	**15,364,438**	54
Common Utility Plant Allocated to Water Department	0				**0**	55
TOTAL UTILITY PLANT IN SERVICE	**14,600,959**	**858,549**	**88,352**	**(6,718)**	**15,364,438**	56

Water Utility Plant in Service - Plant Financed by Utility or Municipality

- All adjustments, corrections and reclassifications (including to/from plant financed by contributions) should be reported in Column (e), Adjustments.
- Explain fully as a footnote the nature of all entries reported in Column (e), Adjustments.
- For each account over $100,000 (class AB) or $50,000 (class C) or $10,000 (class D), explain in the footnotes section the dollar additions and retirements. If applicable, the footnotes should cite construction authorization, complete with PSC docket number.
- Use only the account titles listed. If the utility has subaccounts other than accounts 391.1 and 397.1, combine them into one total and detail by subaccount as a schedule footnote.

Water Utility Plant in Service - Plant Financed by Utility or Municipality (Page W-08)

Adjustments for one or more accounts are nonzero, please explain.

Adjustments related to plant removed and returned to inventory rather than being retired.

Water Utility Plant in Service - Plant Financed by Contributions

- All adjustments, corrections and reclassifications (including to/from plant financed by contributions) should be reported in Column (e), Adjustments.
- Explain fully as a footnote the nature of all entries reported in Column (e), Adjustments.
- For each account over $100,000 (class AB) or $50,000 (class C) or $10,000 (class D), explain in the footnotes section the dollar additions and retirements. If applicable, the footnotes should cite construction authorization, complete with PSC docket number.
- Use only the account titles listed. If the utility has subaccounts other than accounts 391.1 and 397.1, combine them into one total and detail by subaccount as a schedule footnote.

Accounts (a)	Balance First of Year (b)	Additions During Year (c)	Retirements During Year (d)	Adjustments Increase or (Decrease) (e)	Balance End of Year (f)	
INTANGIBLE PLANT						1
Organization (301)	0				**0**	2
Franchises and Consents (302)	0				**0**	3
Miscellaneous Intangible Plant (303)	0				**0**	4
Total Intangible Plant	**0**	**0**	**0**	**0**	**0**	5
SOURCE OF SUPPLY PLANT						6
Land and Land Rights (310)	0				**0**	7
Structures and Improvements (311)	0				**0**	8
Collecting and Impounding Reservoirs (312)	0				**0**	9
Lake, River and Other Intakes (313)	0				**0**	10
Wells and Springs (314)	0				**0**	11
Supply Mains (316)	0				**0**	12
Other Water Source Plant (317)	0				**0**	13
Total Source of Supply Plant	**0**	**0**	**0**	**0**	**0**	14
PUMPING PLANT						15
Land and Land Rights (320)	0				**0**	16
Structures and Improvements (321)	0				**0**	17
Other Power Production Equipment (323)	0				**0**	18
Electric Pumping Equipment (325)	0				**0**	19
Diesel Pumping Equipment (326)	0				**0**	20
Other Pumping Equipment (328)	0				**0**	21
Total Pumping Plant	**0**	**0**	**0**	**0**	**0**	22
WATER TREATMENT PLANT						23
Land and Land Rights (330)	0				**0**	24
Structures and Improvements (331)	0				**0**	25
Sand or Other Media Filtration Equipment (332)	0				**0**	26
Membrane Filtration Equipment (333)	0				**0**	27
Other Water Treatment Equipment (334)	0				**0**	28
Total Water Treatment Plant	**0**	**0**	**0**	**0**	**0**	29
TRANSMISSION AND DISTRIBUTION PLANT						30
Land and Land Rights (340)	0				**0**	31
Structures and Improvements (341)	0				**0**	32
Distribution Reservoirs and Standpipes (342)	613,751				**613,751**	33
Transmission and Distribution Mains (343)	5,036,219	152,464	4,487		**5,184,196**	34
Services (345)	1,096,215	53,574	940		**1,148,849**	35
Meters (346)	0				**0**	36
Hydrants (348)	631,359	15,927	5,907		**641,379**	37

Water Utility Plant in Service - Plant Financed by Contributions

- All adjustments, corrections and reclassifications (including to/from plant financed by contributions) should be reported in Column (e), Adjustments.
- Explain fully as a footnote the nature of all entries reported in Column (e), Adjustments.
- For each account over $100,000 (class AB) or $50,000 (class C) or $10,000 (class D), explain in the footnotes section the dollar additions and retirements. If applicable, the footnotes should cite construction authorization, complete with PSC docket number.
- Use only the account titles listed. If the utility has subaccounts other than accounts 391.1 and 397.1, combine them into one total and detail by subaccount as a schedule footnote.

Accounts (a)	Balance First of Year (b)	Additions During Year (c)	Retirements During Year (d)	Adjustments Increase or (Decrease) (e)	Balance End of Year (f)	
Other Transmission and Distribution Plant (349)	0				**0**	38
Total Transmission and Distribution Plant	**7,377,544**	**221,965**	**11,334**	**0**	**7,588,175**	39
GENERAL PLANT						40
Land and Land Rights (389)	0				**0**	41
Structures and Improvements (390)	0				**0**	42
Office Furniture and Equipment (391)	0				**0**	43
Computer Equipment (391.1)	0				**0**	44
Transportation Equipment (392)	1,000				**1,000**	45
Stores Equipment (393)	0				**0**	46
Tools, Shop and Garage Equipment (394)	0				**0**	47
Laboratory Equipment (395)	0				**0**	48
Power Operated Equipment (396)	0				**0**	49
Communication Equipment (397)	0				**0**	50
SCADA Equipment (397.1)	0				**0**	51
Miscellaneous Equipment (398)	0				**0**	52
Total General Plant	**1,000**	**0**	**0**	**0**	**1,000**	53
Total utility plant in service directly assignable	**7,378,544**	**221,965**	**11,334**	**0**	**7,589,175**	54
Common Utility Plant Allocated to Water Department	0				**0**	55
TOTAL UTILITY PLANT IN SERVICE	**7,378,544**	**221,965**	**11,334**	**0**	**7,589,175**	56

Water Accumulated Provision for Depreciation - Plant Financed by Utility or Municipality

- Use only the account titles listed. If the utility has subaccounts other than accounts 391.1 and 397.1, combine them into one total and detail by subaccount in a schedule footnote.
- If more than one depreciation rate is used, report the average rate in column (c).
- Enter depreciation rates in decimal form. For example, enter 6.75% as 0.0675

Primary Plant Accounts (a)	Balance First of Year (b)	Rate % Used (c)	Accruals During Year (d)	Book Cost of Plant Retired (e)	Cost of Removal (f)	Salvage (g)	Adjustments Increase or (Decrease) (h)	Balance End of Year (i)	
SOURCE OF SUPPLY PLANT									1
Structures and Improvements (311)	0							**0**	2
Collecting and Impounding Reservoirs (312)	0							**0**	3
Lake, River and Other Intakes (313)	0							**0**	4
Wells and Springs (314)	369,713	2.90%	17,276					**386,989**	5
Supply Mains (316)	0							**0**	6
Other Water Source Plant (317)	0							**0**	7
Total Source of Supply Plant	**369,713**		**17,276**	**0**	**0**	**0**	**0**	**386,989**	8
PUMPING PLANT									9
Structures and Improvements (321)	426,606	3.20%	20,327	11,000				**435,933**	10
Other Power Production Equipment (323)	246,986	4.40%	12,375	7,897				**251,464**	11
Electric Pumping Equipment (325)	584,896	4.40%						**584,896**	12
Diesel Pumping Equipment (326)	0							**0**	13
Other Pumping Equipment (328)	0							**0**	14
Total Pumping Plant	**1,258,488**		**32,702**	**18,897**	**0**	**0**	**0**	**1,272,293**	15
WATER TREATMENT PLANT									16
Structures and Improvements (331)	11,548	3.20%	437					**11,985**	17
Sand or Other Media Filtration Equipment (332)	77,092	3.30%						**77,092**	18
Membrane Filtration Equipment (333)	0							**0**	19
Other Water Treatment Equipment (334)	0							**0**	20
Total Water Treatment Plant	**88,640**		**437**	**0**	**0**	**0**	**0**	**89,077**	21
TRANSMISSION AND DISTRIBUTION PLANT									22
Structures and Improvements (341)	1,542	3.20%	52					**1,594**	23
Distribution Reservoirs and Standpipes (342)	425,895	1.90%	25,500					**451,395**	24
Transmission and Distribution Mains (343)	908,371	1.30%	87,835	5,288	41,443			**949,475**	25
Services (345)	446,685	2.90%	44,469	1,326				**489,828**	26
Meters (346)	288,963	5.50%	43,665	54,655				**277,973**	27

Water Accumulated Provision for Depreciation - Plant Financed by Utility or Municipality

- Use only the account titles listed. If the utility has subaccounts other than accounts 391.1 and 397.1, combine them into one total and detail by subaccount in a schedule footnote.
- If more than one depreciation rate is used, report the average rate in column (c).
- Enter depreciation rates in decimal form. For example, enter 6.75% as 0.0675

Primary Plant Accounts (a)	Balance First of Year (b)	Rate % Used (c)	Accruals During Year (d)	Book Cost of Plant Retired (e)	Cost of Removal (f)	Salvage (g)	Adjustments Increase or (Decrease) (h)	Balance End of Year (i)	
Hydrants (348)	177,056	2.20%	18,936	7,259				**188,733**	28
Other Transmission and Distribution Plant (349)	973	5.00%		927				**46**	29
Total Transmission and Distribution Plant	**2,249,485**		**220,457**	**69,455**	**41,443**	**0**	**0**	**2,359,044**	30
GENERAL PLANT									31
Structures and Improvements (390)	175,402	2.90%	11,972					**187,374**	32
Office Furniture and Equipment (391)	50,623	5.80%	3,641					**54,264**	33
Computer Equipment (391.1)	58,080	26.70%						**58,080**	34
Transportation Equipment (392)	29,049	10.00%	6,247					**35,296**	35
Stores Equipment (393)	1,401	5.80%	127					**1,528**	36
Tools, Shop and Garage Equipment (394)	40,597	5.80%	2,744					**43,341**	37
Laboratory Equipment (395)	0							**0**	38
Power Operated Equipment (396)	67,841	10.00%	6,262					**74,103**	39
Communication Equipment (397)	37,858	10.00%						**37,858**	40
SCADA Equipment (397.1)	359,056	9.20%	42,175					**401,231**	41
Miscellaneous Equipment (398)	94	5.80%						**94**	42
Total General Plant	**820,001**		**73,168**	**0**	**0**	**0**	**0**	**893,169**	43
Total accum. prov. directly assignable	**4,786,327**		**344,040**	**88,352**	**41,443**	**0**	**0**	**5,000,572**	44
Common Utility Plant Allocated to Water Department	0							**0**	45
TOTAL ACCUM, PROV, FOR DEPRECIATION	**4,786,327**		**344,040**	**88,352**	**41,443**	**0**	**0**	**5,000,572**	46

Water Accumulated Provision for Depreciation - Plant Financed by Utility or Municipality

- Use only the account titles listed. If the utility has subaccounts other than accounts 391.1 and 397.1, combine them into one total and detail by subaccount in a schedule footnote.
- If more than one depreciation rate is used, report the average rate in column (c).
- Enter depreciation rates in decimal form. For example, enter 6.75% as 0.0675

Water Accumulated Provision for Depreciation - Plant Financed by Utility or Municipality (Page W-10)

End of Year Balance is greater than the equivalent Plant in Service (Financed by Utility or Municipality) EOY Balance, please explain.

Accounts 391.1 and 398 are slightly over appreciated. No depreciation will be taken until new plant is recorded.

Water Accumulated Provision for Depreciation - Plant Financed by Contributions

- Use only the account titles listed. If the utility has subaccounts other than accounts 391.1 and 397.1, combine them into one total and detail by subaccount in a schedule footnote.
- If more than one depreciation rate is used, report the average rate in column (c).
- Enter depreciation rates in decimal form. For example, enter 6.75% as 0.0675

Primary Plant Accounts (a)	Balance First of Year (b)	Rate % Used (c)	Accruals During Year (d)	Book Cost of Plant Retired (e)	Cost of Removal (f)	Salvage (g)	Adjustments Increase or (Decrease) (h)	Balance End of Year (i)	
SOURCE OF SUPPLY PLANT									1
Structures and Improvements (311)	0							**0**	2
Collecting and Impounding Reservoirs (312)	0							**0**	3
Lake, River and Other Intakes (313)	0							**0**	4
Wells and Springs (314)	0							**0**	5
Supply Mains (316)	0							**0**	6
Other Water Source Plant (317)	0							**0**	7
Total Source of Supply Plant	**0**		**0**	**0**	**0**	**0**	**0**	**0**	8
PUMPING PLANT									9
Structures and Improvements (321)	0							**0**	10
Other Power Production Equipment (323)	0							**0**	11
Electric Pumping Equipment (325)	0							**0**	12
Diesel Pumping Equipment (326)	0							**0**	13
Other Pumping Equipment (328)	0							**0**	14
Total Pumping Plant	**0**		**0**	**0**	**0**	**0**	**0**	**0**	15
WATER TREATMENT PLANT									16
Structures and Improvements (331)	0							**0**	17
Sand or Other Media Filtration Equipment (332)	0							**0**	18
Membrane Filtration Equipment (333)	0							**0**	19
Other Water Treatment Equipment (334)	0							**0**	20
Total Water Treatment Plant	**0**		**0**	**0**	**0**	**0**	**0**	**0**	21
TRANSMISSION AND DISTRIBUTION PLANT									22
Structures and Improvements (341)	0							**0**	23
Distribution Reservoirs and Standpipes (342)	75,798	1.90%	11,661					**87,459**	24
Transmission and Distribution Mains (343)	1,160,928	1.30%	68,669	4,487				**1,225,110**	25
Services (345)	532,279	2.90%	34,033	940				**565,372**	26
Meters (346)	0							**0**	27

Water Accumulated Provision for Depreciation - Plant Financed by Contributions

- Use only the account titles listed. If the utility has subaccounts other than accounts 391.1 and 397.1, combine them into one total and detail by subaccount in a schedule footnote.
- If more than one depreciation rate is used, report the average rate in column (c).
- Enter depreciation rates in decimal form. For example, enter 6.75% as 0.0675

Primary Plant Accounts (a)	Balance First of Year (b)	Rate % Used (c)	Accruals During Year (d)	Book Cost of Plant Retired (e)	Cost of Removal (f)	Salvage (g)	Adjustments Increase or (Decrease) (h)	Balance End of Year (i)	
Hydrants (348)	222,229	2.20%	14,330	5,907				**230,652**	28
Other Transmission and Distribution Plant (349)	0							**0**	29
Total Transmission and Distribution Plant	**1,991,234**		**128,693**	**11,334**	**0**	**0**	**0**	**2,108,593**	30
GENERAL PLANT									31
Structures and Improvements (390)	0							**0**	32
Office Furniture and Equipment (391)	0							**0**	33
Computer Equipment (391.1)	0							**0**	34
Transportation Equipment (392)	1,000	10.00%						**1,000**	35
Stores Equipment (393)	0							**0**	36
Tools, Shop and Garage Equipment (394)	0							**0**	37
Laboratory Equipment (395)	0							**0**	38
Power Operated Equipment (396)	0							**0**	39
Communication Equipment (397)	0							**0**	40
SCADA Equipment (397.1)	0							**0**	41
Miscellaneous Equipment (398)	0							**0**	42
Total General Plant	**1,000**		**0**	**0**	**0**	**0**	**0**	**1,000**	43
Total accum. prov. directly assignable	**1,992,234**		**128,693**	**11,334**	**0**	**0**	**0**	**2,109,593**	44
Common Utility Plant Allocated to Water Department	0							**0**	45
TOTAL ACCUM, PROV, FOR DEPRECIATION	**1,992,234**		**128,693**	**11,334**	**0**	**0**	**0**	**2,109,593**	46

Age of Water Mains

- If asset management, capital improvement, or other infrastructure-related documents are not available, the utility should consult other potential sources of information: the year the utility was formed, year of initial build-out area, year in which new developments, subdivisions, etc. were added. This information can be used to develop estimated figures.
- If pipe diameter value is between those offered in the column, choose the diameter that is closest to the actual value.
- Report all pipe larger than 72” in diameter in the 72” category.

		Feet of Main											
	Pipe Size (a)	pre-1900 (b)	1901-1920 (c)	1920-1940 (d)	1941-1960 (e)	1961-1970 (f)	1971-1980 (g)	1981-1990 (h)	1991-2000 (i)	2001-2010 (j)	2011-2020 (k)	Total (l)	
4.000			35,913	4,285	2,087	1,540	1,743	1,297	486	428	1,321	**49,100**	1
6.000			2,254	0	24,128	18,695	2,980	9,543	2,177	3,582	2,369	**65,728**	2
8.000			3,991	79	7,302	31,964	13,129	39,477	2,883	10,394	15,463	**124,682**	3
10.000			1,094	47	1,760	17,327	19,571	40,969	10,911	25,743	17,586	**135,008**	4
12.000			0	0	0	1,082	1,411	53	17	4,951	0	**7,514**	5
Total		**0**	**43,252**	**4,411**	**35,277**	**70,608**	**38,834**	**91,339**	**16,474**	**45,098**	**36,739**	**382,032**	6

If utility is unable to provide the detailed information above, utility must provide the following:
All utility main is from this year range
(Example: 1954-1972)

Describe source of information used to develop data:
These records are maintained in our GIS mapping database are continually updated using mapping tools in the field.

Sources of Water Supply - Statistics

- For Raw Water Withdrawn, use metered volume of untreated water withdrawn from the source.
- For Finished Water Pumped, use metered volume of treated water entering the distribution network, adjusted for known meter errors.
- If Finished Water is not metered, use Raw Water Withdrawn and subtract estimated water used in treatment.

	Sources of Water Supply (000's gal)						Total Gallons	
	Raw Water Withdrawn		Finished Water Pumped		Purchased Water (Imported)		Entering Distribution	
Month (a)	Ground Water (b)	Surface Water (c)	Ground Water (d)	Surface Water (e)	Ground Water (f)	Surface Water (g)	System (h)	
January	43,748		43,748				**43,748**	1
February	41,145		41,145				**41,145**	2
March	40,725		40,725				**40,725**	3
April	39,290		39,290				**39,290**	4
May	41,634		41,634				**41,634**	5
June	46,477		46,477				**46,477**	6
July	43,980		43,980				**43,980**	7
August	45,656		45,656				**45,656**	8
September	45,250		45,250				**45,250**	9
October	48,156		48,156				**48,156**	10
November	40,842		40,842				**40,842**	11
December	42,082		42,082				**42,082**	12
TOTAL	**518,985**	**0**	**518,985**	**0**	**0**	**0**	**518,985**	13

Water Audit and Other Statistics

- Where possible, report actual metered values. If water uses are not metered, estimate values for each line based on best available information. For assistance, refer to AWWA M36 Manual – Water Audits and Loss Control Programs.
- For unbilled, unmetered gallons (line 16), include water used for system operation and maintenance and water used for non-regulated sewer utility.
- If gallons estimated due to theft, data, and billing errors is unknown, multiply net gallons entering distribution system (line 3) by .0025.

Description (a)	Value (b)
WATER AUDIT STATISTICS	
Finished Water pumped or purchased (000s)	518,985
Less: Gallons (000s) sold to wholesale customers (exported water)	0
Subtotal: Net gallons (000s) entering distribution system	**518,985**
Less: Gallons (000s) sold to retail customers - Billed Authorized Consumption	464,759
Gallons (000s) of Non-Revenue Water	**54,226**
Gallons (000s) of unbilled-metered (including customer use to prevent freezing)	0
Gallons (000s) of unbilled-unmetered (including unmetered flushing, fire protection)	7,604
Subtotal: Unbilled Authorized Consumption	**7,604**
Total Water Loss	**46,622**
Gallons (000s) estimated due to theft, data, and billing errors (default)	0
Gallons (000s) estimated due to customer meter under-registration	0
Subtotal Apparent Losses	**0**
Gallons (000s) estimated due to reported leakage (mains, services, hydrants, overflows)	3,850
Gallons (000s) estimated due to unreported and background leakage	42,772
Subtotal Real Losses (leakage)	**46,622**
Non-Revenue Water as percentage of net water supplied	10%
Total Water Loss as percentage of net water supplied	9%
OTHER STATISTICS	
Maximum gallons (000s) pumped by all methods in any one day during reporting year	2,057
Date of maximum	07/25/2017
Cause of maximum	
Weather conditions	
Minimum gallons (000s) pumped by all methods in any one day during reporting year	895
Date of minimum	03/25/2017
Total KWH used by the utility (including pumping, treatment facilities and other utility operations)	977,963
If water is purchased:	
Vendor Name	
Point of Delivery	
Source of purchased water	
Vendor Name (2)	
Point of Delivery (2)	
Source of purchased water (2)	
Vendor Name (3)	
Point of Delivery (3)	
Source of purchased water (3)	
Number of main breaks repaired this year	6
Number of service breaks repaired this year	0

Sources of Water Supply - Well Information

- Enter characteristics for each of the utility's functional wells (regardless of whether it is "in service" or not).
- Do not include abandoned wells on this schedule.
- All abandoned wells should be retired from the plant accounts and no longer listed in the utility's annual report.
- Abandoned wells should be permanently filled and sealed per Wisconsin Administrative codes Chapters NR811 and NR812.

	Utility Name/ID for Well (a)	DNR Well ID (b)	Depth (feet) (c)	Casing Diameter (inches) (d)	Yeild Per Day (gallons) (e)	In Service? (f)	
Well 4		BF551	969	15	1,880,000	Yes	1
Well 5		HR527	1,112	19	1,462,000	Yes	2
Well 6		BF566	1,132	18	1,498,000	Yes	3
Well 7		KW617	1,040	17	1,440,000	Yes	4
					6,280,000		5

Sources of Water Supply - Intake Information

- - - THIS SCHEDULE NOT APPLICABLE TO THIS UTILITY- - -

Pumping & Power Equipment

	Pump						Pump Motor or Standby Engine			
Identification (a)	Location (b)	Primary Purpose (c)	Primary Destination (d)	Year Installed (e)	Type (f)	Actual Capacity (gpm) (g)	Year Installed (j)	Type (k)	Horse-power (l)	
STAND BY WELL 5	W SOUTH & KING PUMPHOUSE	Standby	Distribution	1989	Other	2,000	1989	Natural Gas	125	1
STAND BY WELL 7	ROBY ROAD	Standby	Distribution	1998	Other	1,000	1998	Natural Gas	240	2
WELL 4	VAN BUREN/ROBY	Primary	Distribution	1963	Vertical Turbine	1,200	1963	Electric	125	3
WELL 5	W. SOUTH/KING	Primary	Distribution	1977	Vertical Turbine	1,200	1977	Electric	125	4
WELL 6	E. ACADEMY	Primary	Distribution	1986	Vertical Turbine	1,040	1986	Electric	125	5
WELL 7	2001 ROBY RD	Primary	Distribution	1998	Vertical Turbine	1,000	1998	Electric	125	6

Reservoirs, Standpipes and Elevated Tanks

- Enter elevation difference between highest water level in Standpipe or Elevated Tank, (or Reservoir only on an elevated site) and the water main where the connection to the storage begins branching into the distribution system.

	Facility Name (a)	Facility ID Site Code (b)	Year Constructed (c)	Type (d)	Primary Material (e)	Elevation Difference in Feet (f)	Total Capacity In Gallons (g)	
Reservoir	1	1989	Reservoir	Concrete	0	400,000	1
Tower	2	1977	Elevated Tank	Steel	111	300,000	2
Tower	3	2010	Elevated Tank	Steel	186	600,000	3

Water Treatment Plant

- Provide a generic description for (a). Do not give specific address of location.
- Please select all that apply for (d) and (e). If Other is selected please explain in Notes (h).
- Please identity the point of application for each treatment plant for (g). For example, please list each well or central treatment facility served by this unit.

Unit Description (a)	Year Constructed (b)	Rated Capacity (mgd) (c)	Disinfection (d)	Additional Treatment (e)	Fluoridated (f)	Point of Application (g)	Notes (h)	
2	1989	1	_ Utraviole Light x Liquid Chlorine _ Gas Chlorine _ Ozone _ Other _ None	_ Flocculation/Sedimentation _ Sand Filtraton _ Activated Carbon Filtration _ Membrance Filtration _ Iron Exchange _ Iron/Manganese _ Nutrient Removal _ Radium Removal _ Other	Yes	Wellhouse		1
3	2010	2	_ Utraviole Light x Liquid Chlorine _ Gas Chlorine _ Ozone _ Other _ None	_ Flocculation/Sedimentation _ Sand Filtraton _ Activated Carbon Filtration _ Membrance Filtration _ Iron Exchange _ Iron/Manganese _ Nutrient Removal _ Radium Removal _ Other	Yes	Wellhouse		2
ET 2	1977	2	_ Utraviole Light x Liquid Chlorine _ Gas Chlorine _ Ozone _ Other _ None	_ Flocculation/Sedimentation _ Sand Filtraton _ Activated Carbon Filtration _ Membrance Filtration _ Iron Exchange _ Iron/Manganese _ Nutrient Removal _ Radium Removal _ Other	Yes	Wellhouse		3

Water Mains

- Report mains separately by pipe material, function, diameter and either within or outside the municipal boundaries.
- Explain all reported adjustments as a schedule footnote.
- For main additions reported in column (e), as a schedule footnote:
  - Explain how the additions were financed.
  - If assessed against property owners, explain the basis of the assessments.
  - If the assessments are deferred, explain.
- Report all pipe larger than 72” in diameter in the 72” category.

			Number of Feet					
Pipe Material (a)	Main Function (b)	Diameter (inches) (c)	First of Year (d)	Added During Year (e)	Retired During Year (f)	Adjustments Increase or (Decrease) (g)	End of Year (h)	
Other Metal	Distribution	4	51,054		1,954		**49,100**	1
Other Metal	Distribution	6	66,016	1,180	1,468		**65,728**	2
Other Metal	Distribution	8	121,925	3,664	907		**124,682**	3
Other Metal	Distribution	10	133,919	859			**134,778**	4
Other Metal	Supply	10	230				**230**	5
Other Metal	Distribution	12	7,514				**7,514**	6
Total Within Municipality			**380,658**	**5,703**	**4,329**		**382,032**	7
Total Utility			**380,658**	**5,703**	**4,329**		**382,032**	8

Water Mains

- Report mains separately by pipe material, function, diameter and either within or outside the municipal boundaries.
- Explain all reported adjustments as a schedule footnote.
- For main additions reported in column (e), as a schedule footnote:
  - Explain how the additions were financed.
  - If assessed against property owners, explain the basis of the assessments.
  - If the assessments are deferred, explain.
- Report all pipe larger than 72” in diameter in the 72” category.

Water Mains (Page W-21)

Added During Year total is greater than zero, please explain financing following the criteria listed in the schedule headnotes.

The following projects were financed by the utility:
- Brickson and Manilla Streets
- Division Street
- Park Street
- Henry and Giles Streets
- Milwaukee Street
- Ridge Street
- Harrison Street

The following projects were contributed to the utility by the developer:
- Nordic Ridge Phase II

Utility-Owned Water Service Lines

- The utility's service line is the pipe from the main to and through the curb stop.
- Explain all reported adjustments as a schedule footnote.
- Report in column (h) the number of utility-owned service lines included in columns (g) which are temporarily shut off at the curb box or otherwise not in use at end of year.
- For service lines added during the year in column (d), as a schedule footnote:
  - Explain how the additions were financed.
  - If assessed against property owners, explain the basis of the assessments.
  - If installed by a property owner or developer, explain the basis of recording the cost of the additions, the total amount and the number of service lines recorded under this method.
  - If any were financed by application of Cz-1, provide the total amount recorded and the number of service lines recorded under this method.
- Report service lines separately by diameter and pipe materials.

Pipe Material (a)	Diameter (inches) (b)	First of Year (c)	Added During Year (d)	Removed or Permanently Disconnected During Year (e)	Adjustments Increase or (Decrease) (f)	End of Year (g)	NOT in Use at End of Year (h)	
Lead	1.000	678		26		652	26	1
Other Metal	1.000	3,422	77	17		3,482	17	2
Other Metal	1.250	5				5		3
Other Metal	1.500	15				15		4
Other Metal	2.000	21				21		5
Other Metal	4.000	41				41		6
Other Metal	6.000	102				102		7
Lined Cast Iron (mide-1950's to early 1970)	8.000	57				57		8
Other Metal	8.000	1				1		9
Lined Cast Iron (mide-1950's to early 1970)	10.000	1				1		10
Utility Total		**4,343**	**77**	**43**		**4,377**	**43**	11

Utility-Owned Water Service Lines

- The utility's service line is the pipe from the main to and through the curb stop.
- Explain all reported adjustments as a schedule footnote.
- Report in column (h) the number of utility-owned service lines included in columns (g) which are temporarily shut off at the curb box or otherwise not in use at end of year.
- For service lines added during the year in column (d), as a schedule footnote:
  - Explain how the additions were financed.
  - If assessed against property owners, explain the basis of the assessments.
  - If installed by a property owner or developer, explain the basis of recording the cost of the additions, the total amount and the number of service lines recorded under this method.
  - If any were financed by application of Cz-1, provide the total amount recorded and the number of service lines recorded under this method.
- Report service lines separately by diameter and pipe materials.

Utility-Owned Water Service Lines (Page W-22)

Additions are greater than zero, please explain financing by following criteria listed in the schedule headnotes.

- Lead services were replaced as part of the larger street projects and at the customers' request.

The following projects were financed by the utility:
- Brickson and Manilla Streets
- Park Street
- Henry and Giles Streets
- Milwaukee Street
- Ridge Street
- Harrison Street

The following projects were contributed to the utility by the developer:
- Nordic Ridge Phase II

Meters

- Include in Columns (b-f) meters in stock as well as those in service.
- Report in Column (c) all meters purchased during the year and in Column (d) all meters junked, sold or otherwise permanently retired during the year.
- Use Column (e) to show correction to previously reported meter count because of inventory or property record corrections
- Totals by size in Column (f) should equal same size totals in Column (s).
- Explain all reported adjustments as schedule footnote.
- Do not include station meters in the meter inventory used to complete these tables.

Number of Utility-Owned Meters

Classification of All Meters at End of Year by Customers

Size of Meter	First of Year	Added During Year	Retired During Year	Adjust. Increase or Decrease	End of Year	Tested During Year	Residential	Commercial	Industrial	Public Authority	Multifamily Residential	Irrigation	Wholesale	Inter-Departmental	Utility Use	Deduct Meters	In Stock	Total	
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(0)	(p)	(q)	(r)	(s)	
5/8	4,776	383	297		4,862	319	4,511	256	5	22	8						60	**4,862**	1
1	102	13	6		109	16	5	67	4	9	20			2			2	**109**	2
1 1/2	66		0	(1)	65	1		33	2	9	19						2	**65**	3
2	54	1	0		55	2		24	4	11	14						2	**55**	4
3	12		0	1	13	0		4	4		4			1				**13**	5
4	7		0		7	2		5	2									**7**	6
Total	**5,017**	**397**	**303**	**0**	**5,111**	**340**	**4,516**	**389**	**21**	**51**	**65**			**3**			**66**	**5,111**	7

1. Indicate your residential meter replacement schedule:

X Meters tested once every 10 years and replaced as needed

All meters replaced within 20 years of installation

Other schedule as approved by PSC

2. Indicate the method(s) used to read customer meters

Manually - remote register

Manually - inside the premises

X Radio Frequency - Drive or walk-by technology

Radio Frequency - fixed network or other automatic infrastructure (AMI)

Other

Meters

- Include in Columns (b-f) meters in stock as well as those in service.
- Report in Column (c) all meters purchased during the year and in Column (d) all meters junked, sold or otherwise permanently retired during the year.
- Use Column (e) to show correction to previously reported meter count because of inventory or property record corrections
- Totals by size in Column (f) should equal same size totals in Column (s).
- Explain all reported adjustments as schedule footnote.
- Do not include station meters in the meter inventory used to complete these tables.

Meters (Page W-23)

Adjustments are nonzero for one or more meter sizes, please explain.

Minor adjustments were made to match utility records.

Hydrants and Distribution System Valves

- Distinguish between fire and flushing hydrants by lead size.
  - Fire hydrants normally have a lead size of 6 inches or greater.
  - Record as a flushing hydrant where the lead size is less than 6 inches or if pressure is inadequate to provide fire flow.
- Explain all reported adjustments in the schedule footnotes.
- Report fire hydrants as within or outside the municipal boundaries.

	Hydrant Type (a)	Number In Service First of Year (b)	Added During Year (c)	Removed During Year (d)	Adjustments Increase or (Decrease) (e)	Number In Service End of Year (f)	
1	Fire - Outside Municipality	**0**				**0**	1
2	Fire - Within Municipality	**686**	13	10		**689**	2
3	**Total Fire Hydrants**	**686**	**13**	**10**	**0**	**689**	3
4	Flushing Hydrants	**0**				**0**	4

NR810.13(2)(a) recommends that a schedule shall be adopted and followed for operating each system valve and hydrant at least once each two years. Please provide the number operated during the year.

Number of Hydrants operated during year	753
Number of Distribution System Valves end of year	1,968
Number of Distribution Valves operated during Year	454

List of All Station and Wholesale Meters

- Definition of Station Meter is any meter in service not used to measure customer consumption.
- Definition of Wholesale Meter is any meter used to measure sales to other utilities.
- Retail customer meters should not be included in this inventory.

- - - THIS SCHEDULE NOT APPLICABLE TO THIS UTILITY- - -

Water Conservation Programs

- List all water conservation-related expenditures for the reporting year. Include administrative costs, customer outreach and education, other program costs, and payments for rebates and other customer incentives.
- If the Commission has approved conservation program expenses, these should be charged to Account 186. Otherwise, these expenses are reported in Account 906 on Schedule W-05 (Account 691 for class D utilities).

Item Description (a)	Expenditures (b)	Number of Rebates (c)	Water Savings Gallons (d)	
Administrative and General Expenses				1
Program Administration	0	0	0	2
Customer Outreach & Education	0	0	0	3
Other Program Costs	0	0	0	4
Total Administrative and General Expenses	**0**	**0**	**0**	5
Customer Incentives				6
Residential Toilets	0	0	0	7
Multifamily/Commercial Toilets	0	0	0	8
Faucets	0	0	0	9
Showerheads	0	0	0	10
Clothes Washers	0	0	0	11
Dishwashers	0	0	0	12
Smart Irrigation Controller	0	0	0	13
Commercial Pre-Rinse Spray Valves	0	0	0	14
Cost Sharing Projects (Nonresidential Customers)	0	0	0	15
Customer Water Audits	0	0	0	16
Other Incentives	0	0	0	17
Total Customer Incentives	**0**	**0**	**0**	18
TOTAL CONSERVATION	**0**	**0**	**0**	19

Water Customers Served

- List the number of customer accounts in each municipality for which your utility provides retail general service. Do not include wholesale customers or fire protection accounts.
- Per Wisconsin state statute, a city, village, town or sanitary district owning water plant or equipment may serve customers outside its corporate limits, including adjoining municipalities. For purposes of this schedule, customers located “Within Muni Boundary” refers to those located inside the jurisdiction that owns the water utility.

Municipality (a)	Customers End of Year (b)	
Stoughton (City) **	4,984	1
Total - Dane County	**4,984**	2
Total - Customers Served	**4,984**	3
**Total - Within Muni Boundary ** **	**4,984**	4

*** = Within municipal boundary*

Privately-Owned Water Service Lines

- The privately owned service line is the pipe from the curb stop to the meter.
- Explain all reported adjustments in columns(f) as a schedule footnote.
- Report in column (h) the number of privately-owned service lines included in columns (g) which are temporarily shut off at the curb box or otherwise not in use at end of year.
- Separate reporting of service lines by diameter and pipe material.

	Pipe Material (a)	Diameter (inches) (b)	First of Year (c)	Added During Year (d)	Removed or Permanently Disconnected During Year (e)	Adjustments Increase or (Decrease) (f)	End of Year (g)	NOT in Use at End of Year (h)	
Lead		1.000				652	652		1
Utility Total						**652**	**652**		2

Privately-Owned Water Service Lines

- The privately owned service line is the pipe from the curb stop to the meter.
- Explain all reported adjustments in columns(f) as a schedule footnote.
- Report in column (h) the number of privately-owned service lines included in columns (g) which are temporarily shut off at the curb box or otherwise not in use at end of year.
- Separate reporting of service lines by diameter and pipe material.

Privately-Owned Water Service Lines (Page W-29)

Adjustments are nonzero for one or more accounts, please explain.

The adjustment was made because the First of Year amounts could not be populated.

General Footnote

As our cross connection inspections continue we will obtain more accurate data related to this subject.

Total Utility-Owned Service Not In Use at End of Year is reported as zero, please explain.

This is unknown at this point in time.

Stoughton Utilities

600 South Fourth Street
P.O. Box 383
Stoughton, WI 53589-0383

Serving Electric, Water & Wastewater Since 1886

Date: April 10, 2018

To: Stoughton Utilities Committee

From: Brian R. Hoops
Stoughton Utilities Assistant Director

Robert P. Kardasz, P.E.
Stoughton Utilities Director

Subject: Invitation to attend a WPPI Energy Regional Power Dinner Meeting

WPPI Energy will host eight dinner meetings throughout Wisconsin this spring for utility staff and utility governing bodies. This is an opportunity to network with other utility leaders, and learn more about electric industry issues, recent and pending legislation affecting electric utilities, and key initiatives being undertaken by WPPI Energy.

Eight dinners are being offered, with the closest being held at Quivey's Grove in Fitchburg on Thursday, May 3 from 5:30 p.m. to 7:30 p.m.

If you are interested in attending either the local dinner or any of the other seven dinners, you can RSVP online at http://www.wppienergy.org/powerdinners, or you can inform Brian Hoops and he will take care of your registration. Please RSVP by April 19. A mileage allowance will be provided upon request. If a quorum of the Utilities Committee may be present, the appropriate public notice will be posted as required by law.

YOU ARE CORDIALLY INVITED TO

WPPI energy

2018 REGIONAL POWER DINNERS

WPPI Energy will host eight dinner meetings this spring / early summer for our member utility staff, local elected officials and utility governing bodies. This is an opportunity to network with other member community leaders and learn more about electric industry issues and key initiatives within the organization.

WE HOPE YOU'LL BE ABLE TO JOIN US!

Evening Events

Cocktails	**5:30 p.m.**
Dinner	**6:00 p.m.**
Program	**6:45 – 7:30 p.m.**

Dates and Locations

Wednesday, April 11
Okauchee Lake
Golden Mast Inn
www.weissgerbergroup.com/golden-mastinn

Thursday, April 12
Mazomanie
Old Feed Mill
www.oldfeedmill.com

Thursday, April 19
Kaukauna
Van Abel's of Hollandtown
www.vanabels.com

Thursday, May 3
Fitchburg
Quivey's Grove
www.quiveysgrove.com

Tuesday, May 8
Dubuque
Catfish Charlies
www.catfishcharliesdubuque.com

Tuesday, May 22
Holmen
Drugan's Castle Mound
www.drugans.com

Thursday, June 14
River Falls
River Falls Golf Club
www.riverfallsgolfclub.com

Tuesday, June 26
Florence
Encore on Central
Nostalgic Ball Room
www.maxsellsrestaurant.com/about.htm

Stoughton Utilities

600 South Fourth Street
P.O. Box 383
Stoughton, WI 53589-0383

Serving Electric, Water & Wastewater Since 1886

Date: April 10, 2018

To: Stoughton Utilities Committee

From: Jamin T. Friedl
Stoughton Utilities Finance Manager

Robert P. Kardasz, P.E.
Stoughton Utilities Director

Subject: Regulatory operating income compared to Generally Accepted Accounting Principles (GAAP)

An educational presentation will be made on the differences between regulatory and GAAP calculations of operating income.

Net Operating Income Reconciliation
GAAP to Regulatory

	Electric	Water
Net Operating Income (GAAP)	$ 973,178	$ 576,858
PILOT	$ (394,626)	$ (420,305)
Depreciation on Contributed Plant	$ 137,492	$ 128,691
GASB 68 (Pension)	$ 69,004	$ 34,913
Net Operating Income (Regulatory)	$ 785,048	$ 320,157

Stoughton Utilities

600 South Fourth Street
P.O. Box 383
Stoughton, WI 53589-0383

Serving Electric, Water & Wastewater Since 1886

Date: April 10, 2018

To: Stoughton Utilities Committee

From: Robert P. Kardasz, P.E.
Stoughton Utilities Director

Subject: Proposed position description for Utilities Water System Supervisor

At its January 17, 2018 meeting, the Stoughton Utilities Committee approved a proposed position description for the Utilities Water System Supervisor at a compensation wage scale to be determined by the Stoughton Human Resources and Risk Management Director, and recommended its approval to the Stoughton Personnel Committee and the Stoughton Common Council.

This revised position description has not yet been presented to the Stoughton Common Council for approval. We are now proposing one additional change to this position description be made before their action. We anticipate this position will be filled with an internal candidate, and there are funds available for the fiscal impact to be determined, without exceeding our current 2018 budget.

We are requesting that the Stoughton Utilities Committee approve the proposed position description for the Utilities Water System Supervisor at a compensation wage scale to be determined by the Stoughton Human Resources and Risk Management Director, and recommend its approval to the Stoughton Personnel Committee and the Stoughton Common Council.

City of Stoughton
Position Description

Name:		**Department:**	Stoughton Utilities
Title:	Water System Supervisor	**Pay Grade:**	**FLSA:** N
Date:	MayFebruary, 2018	**Reports To:**	Utilities DirectorOperations Superintendent

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Purpose of Position
The purpose of this position is to supervise and coordinate water pumping and storage facilities, and water distribution system operations and activities for the City of Stoughton.

Essential Duties and Responsibilities
The following duties are normal for this position. These are not to be construed as exclusive or all-inclusive. Other duties may be required and assigned.

- Supervises the operation and maintenance of the water utility pumping, storage, and distribution system; provides recommendations and assists with the coordination and implementation of water pumping and distribution system improvements.
- Supervises and directs the installation and maintenance of water service connections and metering. Coordinates all on-site activities associated with water distribution replacements and service lateral upgrades with contractors, residents, and engineers.
- Establishes and maintains the water metering standardization replacement program, and supervises the operation of the water meter testing program to ensure compliance with Wisconsin Public Service Commission (WPSC) regulations.
- Supervises and coordinates the distribution of field notification for construction and planned service interruptions.
- Supervises the maintenance of the water utility's material inventory; receives packing slips, places material in stock, and approves payment.
- Supervises the extraction of water samples on scheduled basis and submits samples for testing. Ensures all water sampling mandates are followed, including appropriate chain of custody. Monitors correct chlorine and fluoride residuals. Coordinates and monitors annual lead and copper sampling programs.
- Coordinates the activities of Water Division personnel. Establishes and maintains productivity reports, prepares and assigns work orders, schedules tasks as required, conducts performance evaluations, coordinates introductory and continuing training programs, reviews and recommends the approval of time sheets, schedules and recommends the approval of employee leave, etc.
- Develops standard operating procedures to ensure safe, accurate, and proper water utility operations. Recommends policy changes.
- Assists with the preparation of the water utility annual budget and 20-year capital improvement plan. Monitors annual expenditures for compliance with approved budgets and plans.
- Recommends and implements new methods in the operation of the distribution system, and pumping and storage facilities.
- Receives and coordinates the response to customer inquiries and complaints; makes recommendations and performs corrective action in response to customer inquiries and complaints.

- Reviews proposed engineering and construction plans for reconstruction projects and new building developments, and provides comments for corrections and additions.
- Maintains records and prepares reports as required.
- Monitors and oversees the utility's water Cross-Connection Control Program, in accordance with Wisconsin Department of Natural Resources requirements.
- Monitors and records data and operations on the water/wastewater SCADA system.
- Prepares recommendations for materials purchases and quality standards, maintains contacts with vendors, assists with the evaluation of proposals, prepares purchase orders, and acquires materials as required.
- Prepares daily material sheets; reviews daily return-to-stock sheets; determines material to be retired and monitors retired materials procedures.
- Ensures that all safety standards are met by water utility personnel, and complies with all Stoughton Utilities Safety Programs.
- Operates Utilities Geographic Information Systems (GIS) software; updates asset and property records via computerized systems as required. Recommends mapping and collector data updates and system improvements.

Additional Tasks and Responsibilities

While the following tasks are necessary for the work of the unit, they are not an essential part of the purpose of this position and may also be performed by other unit members.

- Maintains Stoughton Utilities facilities, including removal of ice and snow from walkways and drives, and general maintenance tasks.
- Performs other Stoughton Utilities tasks for electric, water, and wastewater operations as directed.
- Performs routine vehicle maintenance.
- Assists with all utility operations as required.

Minimum Training and Experience Required to Perform Essential Job Functions

- High School diploma or equivalent, with five or more years water operator experience. Associates degree in water treatment or water system management preferred.
- Wisconsin Department of Natural Resources (WDNR) Grade 1 Waterworks Operator Certification for the Stoughton Waterworks, with subclasses G and D.
- Ability to maintain the required continuing education credits for the WDNR Grade 1 Waterworks certifications.
- Commercial driver's license with tanker and air brake certification required.

Physical and Mental Abilities Required to Perform Essential Job Functions

Language Ability and Interpersonal Communication

- Ability to comprehend and interpret a variety of documents including lab reports; Wisconsin Department of Natural Resources (WDNR) and Wisconsin Public service commission (WPSC) reports, rules, and regulations; time sheets; well readings; continuing property records for hydrants, valves, services, and meter; inventory records, reservoir and tower level charts; operational maintenance manuals; training manuals; state statutes and local ordinances; policy and procedure manuals; etc.
- Ability to comprehend, analyze, and interpret water main plans and specifications, engineering drawings, and as-built diagrams.

- Ability to prepare a variety of documents including WDNR and WPSC reports, purchase orders, time sheets, annual reports, meter reports, training reports, vehicle maintenance reports, etc. using prescribed format and conforming to all rules of punctuation, grammar, diction, and style.
- Ability to record and deliver information, explain procedures, and follow instructions.
- Ability to use and interpret civil and hydraulic engineering, mechanical terminology, and basic chemistry and biology terminology.
- Ability to communicate effectively with Utility management and personnel, other City departments, law enforcement personnel, sales representatives, contractors, engineering consultants, insurance company representatives, and others verbally and in writing.
- Ability to persuade, convince, and train others. Ability to advise and provide interpretation regarding the application of policies, procedures and standards to specific situations.

Mathematical Ability

- Ability to add, subtract, multiply, divide, calculate decimals and percents, and make use of the principles of basic algebra, geometry, and descriptive statistics.

Judgement and Situational Reasoning Ability

- Requires the ability to apply principles of influence systems such as supervision, managing, leading, teaching, directing, planning, coordinating and controlling.
- Ability to exercise independent judgment to apply facts and principles for developing approaches and techniques to problem resolution.
- Requires the ability to exercise the judgment, decisiveness, and creativity required in situations involving the direction, control and planning of an entire program or multiple programs.

Physical Requirements

- Ability to operate equipment and machinery requiring monitoring multiple conditions and making multiple, complex and rapid adjustments, such as backhoe, dump truck, end loaders, sewer jet machine, meter test bench, air hammers, blacktop rollers, compactors, saws, hand tools, generators, portable pumps, chemical pumps, mowers, freezing/thawing machines, voltmeter, locators, jacks, shovels, picks, axes, etc.
- Ability to repair complex equipment and machinery.
- Ability to operate a variety of water utility testing, metering, and maintenance equipment.
- Ability to operate a variety of office equipment including personal computing devices, telephone, etc.
- Ability to coordinate eyes, hands, feet, and limbs in performing skilled movements involved in repair of water distribution equipment.
- Ability to exert heavy physical effort in moderate to heavy work, typically involving some combination of climbing, balancing, stooping, kneeling, crouching, crawling, lifting, and carrying, pushing and pulling over 100 pounds.
- Ability to recognize and identify degrees of similarities and differences between characteristics of color, sound, taste, texture, and odor associated with job-related objects, materials, and ingredients.

Supervisory Skills

- Ability to assign, supervise, and review the work of others.
- Ability to make recommendations regarding the selection, training, discipline, and discharge of employees.

Environmental Adaptability

- Ability to work effectively in an office environment as well as at utility construction sites under moderately unsafe and uncomfortable conditions where exposure to environmental factors such as temperature variations, odors, toxic agents, noise, vibrations, wetness, dusts, disease, machinery, explosives, gas and electrical currents may cause discomfort where there is a risk of injury.

The City of Stoughton is an Equal Opportunity Employer. In compliance with the Americans with Disabilities Act, the City will provide reasonable accommodations to qualified individuals with disabilities and encourages both prospective and current employees to discuss potential accommodations with the employer.

_____	_____
Employee's Signature	Supervisor's Signature
_____	_____
Date	Date

City of Stoughton
Position Description

Name:		**Department:**	Stoughton Utilities
Title:	Water System Supervisor	**Pay Grade:**	**FLSA:** N
Date:	May, 2018	**Reports To:**	Utilities Director

Purpose of Position
The purpose of this position is to supervise and coordinate water pumping and storage facilities, and water distribution system operations and activities for the City of Stoughton.

Essential Duties and Responsibilities
The following duties are normal for this position. These are not to be construed as exclusive or all-inclusive. Other duties may be required and assigned.

- Supervises the operation and maintenance of the water utility pumping, storage, and distribution system; provides recommendations and assists with the coordination and implementation of water pumping and distribution system improvements.
- Supervises and directs the installation and maintenance of water service connections and metering. Coordinates all on-site activities associated with water distribution replacements and service lateral upgrades with contractors, residents, and engineers.
- Establishes and maintains the water metering standardization replacement program, and supervises the operation of the water meter testing program to ensure compliance with Wisconsin Public Service Commission (WPSC) regulations.
- Supervises and coordinates the distribution of field notification for construction and planned service interruptions.
- Supervises the maintenance of the water utility's material inventory; receives packing slips, places material in stock, and approves payment.
- Supervises the extraction of water samples on scheduled basis and submits samples for testing. Ensures all water sampling mandates are followed, including appropriate chain of custody. Monitors correct chlorine and fluoride residuals. Coordinates and monitors annual lead and copper sampling programs.
- Coordinates the activities of Water Division personnel. Establishes and maintains productivity reports, prepares and assigns work orders, schedules tasks as required, conducts performance evaluations, coordinates introductory and continuing training programs, reviews and recommends the approval of time sheets, schedules and recommends the approval of employee leave, etc.
- Develops standard operating procedures to ensure safe, accurate, and proper water utility operations. Recommends policy changes.
- Assists with the preparation of the water utility annual budget and 20-year capital improvement plan. Monitors annual expenditures for compliance with approved budgets and plans.
- Recommends and implements new methods in the operation of the distribution system, and pumping and storage facilities.
- Receives and coordinates the response to customer inquiries and complaints; makes recommendations and performs corrective action in response to customer inquiries and complaints.
- Reviews proposed engineering and construction plans for reconstruction projects and new building developments, and provides comments for corrections and additions.

- Maintains records and prepares reports as required.
- Monitors and oversees the utility's water Cross-Connection Control Program, in accordance with Wisconsin Department of Natural Resources requirements.
- Monitors and records data and operations on the water/wastewater SCADA system.
- Prepares recommendations for materials purchases and quality standards, maintains contacts with vendors, assists with the evaluation of proposals, prepares purchase orders, and acquires materials as required.
- Prepares daily material sheets; reviews daily return-to-stock sheets; determines material to be retired and monitors retired materials procedures.
- Ensures that all safety standards are met by water utility personnel, and complies with all Stoughton Utilities Safety Programs.
- Operates Utilities Geographic Information Systems (GIS) software; updates asset and property records via computerized systems as required. Recommends mapping and collector data updates and system improvements.

Additional Tasks and Responsibilities

While the following tasks are necessary for the work of the unit, they are not an essential part of the purpose of this position and may also be performed by other unit members.

- Maintains Stoughton Utilities facilities, including removal of ice and snow from walkways and drives, and general maintenance tasks.
- Performs other Stoughton Utilities tasks for electric, water, and wastewater operations as directed.
- Performs routine vehicle maintenance.
- Assists with all utility operations as required.

Minimum Training and Experience Required to Perform Essential Job Functions

- High School diploma or equivalent, with five or more years water operator experience. Associates degree in water treatment or water system management preferred.
- Wisconsin Department of Natural Resources (WDNR) Grade 1 Waterworks Operator Certification for the Stoughton Waterworks, with subclasses G and D.
- Ability to maintain the required continuing education credits for the WDNR Grade 1 Waterworks certifications.
- Commercial driver's license with tanker and air brake certification required.

Physical and Mental Abilities Required to Perform Essential Job Functions

Language Ability and Interpersonal Communication

- Ability to comprehend and interpret a variety of documents including lab reports; Wisconsin Department of Natural Resources (WDNR) and Wisconsin Public service commission (WPSC) reports, rules, and regulations; time sheets; well readings; continuing property records for hydrants, valves, services, and meter; inventory records, reservoir and tower level charts; operational maintenance manuals; training manuals; state statutes and local ordinances; policy and procedure manuals; etc.
- Ability to comprehend, analyze, and interpret water main plans and specifications, engineering drawings, and as-built diagrams.
- Ability to prepare a variety of documents including WDNR and WPSC reports, purchase orders, time sheets, annual reports, meter reports, training reports, vehicle maintenance reports, etc. using prescribed

format and conforming to all rules of punctuation, grammar, diction, and style.

- Ability to record and deliver information, explain procedures, and follow instructions.
- Ability to use and interpret civil and hydraulic engineering, mechanical terminology, and basic chemistry and biology terminology.
- Ability to communicate effectively with Utility management and personnel, other City departments, law enforcement personnel, sales representatives, contractors, engineering consultants, insurance company representatives, and others verbally and in writing.
- Ability to persuade, convince, and train others. Ability to advise and provide interpretation regarding the application of policies, procedures and standards to specific situations.

Mathematical Ability

- Ability to add, subtract, multiply, divide, calculate decimals and percents, and make use of the principles of basic algebra, geometry, and descriptive statistics.

Judgement and Situational Reasoning Ability

- Requires the ability to apply principles of influence systems such as supervision, managing, leading, teaching, directing, planning, coordinating and controlling.
- Ability to exercise independent judgment to apply facts and principles for developing approaches and techniques to problem resolution.
- Requires the ability to exercise the judgment, decisiveness, and creativity required in situations involving the direction, control and planning of an entire program or multiple programs.

Physical Requirements

- Ability to operate equipment and machinery requiring monitoring multiple conditions and making multiple, complex and rapid adjustments, such as backhoe, dump truck, end loaders, sewer jet machine, meter test bench, air hammers, blacktop rollers, compactors, saws, hand tools, generators, portable pumps, chemical pumps, mowers, freezing/thawing machines, voltmeter, locators, jacks, shovels, picks, axes, etc.
- Ability to repair complex equipment and machinery.
- Ability to operate a variety of water utility testing, metering, and maintenance equipment.
- Ability to operate a variety of office equipment including personal computing devices, telephone, etc.
- Ability to coordinate eyes, hands, feet, and limbs in performing skilled movements involved in repair of water distribution equipment.
- Ability to exert heavy physical effort in moderate to heavy work, typically involving some combination of climbing, balancing, stooping, kneeling, crouching, crawling, lifting, and carrying, pushing and pulling over 100 pounds.
- Ability to recognize and identify degrees of similarities and differences between characteristics of color, sound, taste, texture, and odor associated with job-related objects, materials, and ingredients.

Supervisory Skills

- Ability to assign, supervise, and review the work of others.
- Ability to make recommendations regarding the selection, training, discipline, and discharge of employees.

Environmental Adaptability

- Ability to work effectively in an office environment as well as at utility construction sites under moderately unsafe and uncomfortable conditions where exposure to environmental factors such as temperature

variations, odors, toxic agents, noise, vibrations, wetness, dusts, disease, machinery, explosives, gas and electrical currents may cause discomfort where there is a risk of injury.

The City of Stoughton is an Equal Opportunity Employer. In compliance with the Americans with Disabilities Act, the City will provide reasonable accommodations to qualified individuals with disabilities and encourages both prospective and current employees to discuss potential accommodations with the employer.

_____	_____
Employee's Signature	Supervisor's Signature
_____	_____
Date	Date

Tuesday, April 10, 2018

Stoughton Utilities

Common Council

Donna Olson
Mayor

Utilities Committee

Jamin T. Friedl, CPA
Finance Manager

Robert P. Kardasz, P.E.
Utilities Director

Technical Operations Division

Brian R. Hoops
Assistant Utilities Director

- Carol A. Cushing
  Collections Technician
- Erin N. Goldade
  Billing & Metering Specialist
- Shannon R. Gunsolus
  Accountant II
- Louis S. Rada
  GIS Analyst
- Brandi D. Yungen
  Customer Service Technician

Wastewater System Division

Brian G. Erickson
Wastewater System Supervisor

- Mark A. Bakken
  Wastewater Operator
- Phillip O. Linnerud
  Advanced Certified Wastewater Operator / Laboratory Technician
- Phillip J. Zweep
  Basic Certified Wastewater Operator

Water System Division

Proposed
Water System Supervisor

- Scott W. Gunsolus
  Lead Certified Water Operator
- Kevin S. Hudson
  Certified Water Operator
- Kent F. Thompson
  Certified Water Operator

Electric System Division

Sean O Grady
Operations Superintendent

Vacant
Electric System Supervisor

- Adam G. Frederick
  Journeyman Lineman
- Tyler S. Harding
  Apprentice Lineman
- Aaron R. Mattingly
  Apprentice Lineman
- Jesse D. Mowery
  Apprentice Lineman
- Andrew C. Ruder
  Apprentice Lineman
- Brian R. Scheel
  Journeyman Lineman
- Bryce A. Sime
  Metering Lead Journeyman Lineman
- Tony A. Wieczorek
  Journeyman Lineman

Utilities Planning Division

Martin O. Seffens
Operations Specialist

Scott S. Grady
Engineering Technician

MEUW

Andrew Paulson
Safety Coordinator

WPPI energy

Cory Neeley
Energy Services Representative

Stoughton Utilities

600 South Fourth Street
P.O. Box 383
Stoughton, WI 53589-0383

Serving Electric, Water & Wastewater Since 1886

Date: April 10, 2018

To: Stoughton Utilities Committee

From: Robert P. Kardasz, P.E.
Stoughton Utilities Director

Subject: Proposal to fill the vacant Electric System Supervisor position

Staff is recommending that the vacant Electric System Supervisor position be filled at this time. This position has been vacant since the former supervisor departed in 2016. This vacancy, combined with the recent retirement of our Lead Journeyman Lineman, has lead us to determine that the position should be refilled.

We anticipate this position will be filled with an internal candidate, and there are funds available for the fiscal impact yet to be determined without exceeding our current 2018 budget.

The current position description was last reviewed and approved by the Utilities Committee in 2015 and approved by the Common Council in January 2016, and does not require modification. Under the current City of Stoughton Hiring Policy, committee approval would not typically be required. However, as this position was vacant at the time utility wages were first evaluated and set using the City's Springsted compensation study, a compensation wage scale will need to be determined by the Stoughton Human Resources and Risk Management Director, and approved by the Stoughton Personnel Committee and the Stoughton Common Council.

We are requesting that the Stoughton Utilities Committee approve the request to fill the vacant Electric System Supervisor position at a compensation wage scale to be determined by the Stoughton Human Resources and Risk Management Director, and recommend approval to the Stoughton Personnel Committee and the Stoughton Common Council.

City of Stoughton
Position Description

Name:		**Department:**	Utilities – Electric System
Title:	Electric System Supervisor	**Pay Grade:**	**FLSA:** E
Date:	January, 2016	**Reports To:**	Utilities Operations Superintendent

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Purpose of Position

The purpose of this position is to provide supervision to the Electric System and Metering Divisions, under the direction of the Utilities Operations Superintendent.

Essential Duties and Responsibilities

The following duties are normal for this position. These are not to be construed as exclusive or all-inclusive. Other duties may be required and assigned.

- Supervises and directs the operation and maintenance of the electric utility and distribution system. Ensures compliance with regulatory agency requirements, utility policies, etc. Provides recommendations and assists with the coordination and implementation of electric distribution system improvements.
- Coordinates the activities of Electric System Division personnel. Conducts regular Division staff meetings, establishes and maintains productivity reports, prepares and assigns work orders, conducts performance evaluations, coordinates introductory and continuing training programs, reviews and recommends the approval of timesheets, and establishes and maintains staff work and leave schedules. Conducts routine safety compliance checks and reports to the Operations Superintendent.
- Assists with the preparation, and ongoing monitoring, of the Utilities annual budget. Assists with the preparation of the Utilities 20 year Capital Improvement Program.
- Provides input and prepares recommendations for materials purchases and quality standards. Maintains contacts with vendors, assists with the evaluation of proposals, prepares purchase orders, and acquires materials as required.
- Monitors the Substation Maintenance Program and maintains all equipment; takes weekly readings. Assists with long-term planning for substation maintenance and system expansion requirements.
- Maintains material inventory, receives packages, places material in stock, and approves payment.
- Assists in ensuring compliance with Chapter 113 of the Public Service Commission rules and regulations.
- Assists with developing estimates for new, replacement, and upgraded electric services. Responds to customer inquiries and complaints. Provides information to customers as required. Contacts customers regarding temporary power outages and tree trimming operations and possible damage.
- Assist with coordinating the work of sub-contractors working on the electric distribution system.
- Maintains overhead and underground specifications book.
- Operates and maintains the Electric SCADA system.
- Maintains Standby status until at least five Journeyman Linemen are available.
- Monitors district tree trimming needs and provides schedule to the Operations Superintendent. Trims trees; removes and chips brush.
- Provides input on vehicle standards and maintenance, and schedules all vehicle maintenance work.
- Responds to all daily outages and performs corrective work; handles all daily secondary/service needs.

- Operates diggers, bucket trucks, hand tools near and around electrical distribution lines. Operates live-line tools to connect and disconnect distribution lines and components.
- Prepares work sites. Erects warning signs and secures areas. Maintains knowledge of and implements safety procedures. Plans and directs on-site maintenance/repair tasks. Recommends on-site operational changes.
- Installs primary and secondary overhead and underground electrical systems. Locates underground electric cable faults for repair.
- Assists with public education and performs Wires and Fires demonstrations.

Additional Tasks and Responsibilities

While the following tasks are necessary for the work of the unit, they are not an essential part of the purpose of this position and may also be performed by other unit members.

- Reconnects meters and transfers meters.
- Repairs and maintains street lights.
- Performs routine vehicle maintenance.
- Maintains grounds and facilities, such as painting surfaces, ice and snow removal, custodial tasks, basic carpentry, or similar tasks as assigned.
- Performs other Stoughton Utilities tasks as directed.

Minimum Training and Experience Required to Perform Essential Job Functions

- High School diploma or equivalent, completion of a four-year Electrical Lineman apprenticeship, vocational/technical training in electrical systems, with a minimum of five years electrical system maintenance experience, or any combination of education and experience that provides equivalent knowledge, skills, and abilities.
- Journeyman Lineman Certification, forklift Certification, and CPR/First Aid Certification is required.
- Commercial driver's license with tanker and air brake certification is required.

Physical and Mental Abilities Required to Perform Essential Job Functions

Language Ability and Interpersonal Communication

- Ability to analyze and categorize data and information in order to determine the relationship of the data with reference to established criteria/standards. Ability to compare, count, differentiate, measure and/or sort data, as well as assemble, copy, records and transcribe data. Ability to classify, compute and tabulate data.
- Ability to explain, demonstrate and clarify to others within well established policies, procedures and standards, as well as the ability to follow specific instructions and respond to complex requests.
- Ability to provide first line supervision. Ability to persuade, convince, and train others. Ability to advise and provide interpretation regarding the application of policies, procedures, and standards to specific situations.
- Ability to utilize a variety of reference, descriptive and/or advisory data and information such as reports and records, studies, logs, maps, timesheets, service rules, manuals, handbooks, procedures, guidelines and non-routine correspondence.
- Ability to prepare reports and time sheets, using prescribed formats.

Mathematical Ability

- Ability to perform addition, subtraction, multiplication, and division; calculate percentages and decimals; interpret basic descriptive statistical reports; and may require the ability to perform mathematical operations with fractions and algebra.

Judgment and Situational Reasoning Ability

- Ability to apply principles of influence systems such as supervising, managing, leading, teaching, directing, planning, coordinating and controlling. Ability to exercise independent judgment to apply facts and principles for developing approaches and techniques to problem resolution.
- Ability to exercise the judgment, decisiveness and creativity required in situations involving the direction, control and planning of an entire program or multiple programs.

Physical Requirements

- Ability to operate equipment and machinery such as Hilti gun, impact tools, aerial bucket truck, digger/derrick, forklift, wood chipper, chain saw, back hoe, roller, compression tools, cable cutters, nail gun, meters, hand and power tools, and other equipment requiring monitoring multiple conditions and making multiple, complex and rapid adjustments. Ability to repair complex equipment and machinery.
- Ability to coordinate eyes, hands, feet and limbs in performing skilled movements such as electrical work.
- Tasks involve the ability to exert regular and sustained extremely heavy physical effort in very heavy work, typically involving some combination of climbing, balancing, stooping, kneeling, crouching, crawling, and lifting, carrying, pushing, and pulling heavy objects and materials in excess of 100 pounds.
- Requires the ability to recognize and identify degrees of similarities or differences between characteristics of color, shape, sound, texture, and odor associated with job-related objects, materials and tasks.

Supervisory Skills

- Ability to assign, supervise and review the work of others and implement discipline.
- Ability to make recommendations regarding the selection, training, discipline, and discharge of employees.
- Ability to conduct meaningful performance reviews.

Environmental Adaptability

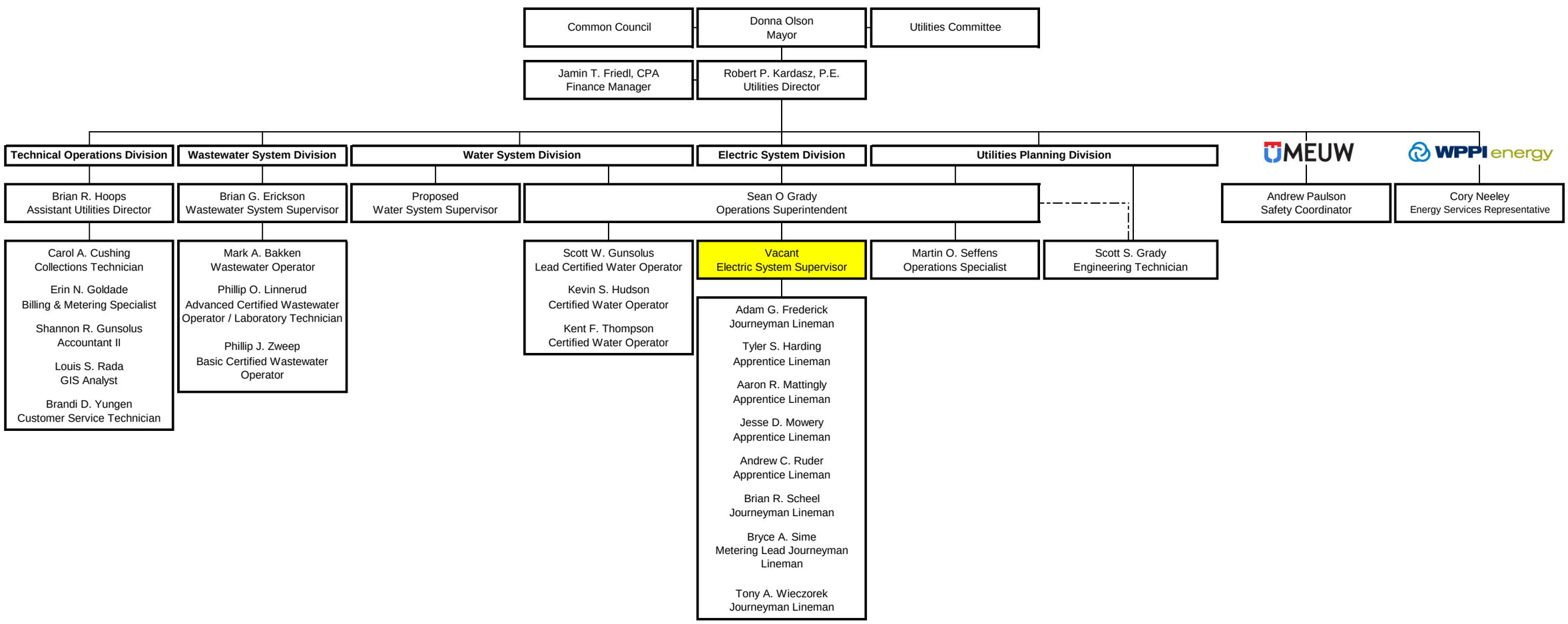
- Ability to work under conditions that require exposure to environmental factors. This exposure may cause some discomfort and presents a risk of injury.

The City of Stoughton is an Equal Opportunity Employer. In compliance with the American with Disabilities Act, the City will provide reasonable accommodations to qualified individuals with disabilities and encourages both prospective and current employees to discuss potential accommodations with the employer.

_____	_____
Employee's Signature	Supervisor's Signature
_____	_____
Date	Date

Tuesday, April 10, 2018

Stoughton Utilities



Stoughton Utilities
600 South Fourth Street P.O. Box 383
Stoughton, WI 53589-0383
Serving Electric, Water & Wastewater Since 1886

Date: April 10, 2018

To: Stoughton Utilities Committee

From: Robert P. Kardasz, P.E.
Stoughton Utilities Director

Subject: Utilities Committee Future Agenda Item(s)

This item appears on all agendas of Committees of the City of Stoughton.