



## **AMENDED - 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, September 16, 2019 at 5:30 p.m.  
Location: Edmund T. Malinowski Board Room, Stoughton Utilities Administration Office  
600 South Fourth Street, Stoughton, Wisconsin  
Members: Citizen Member Kym Ackerman, Citizen Member David Erdman (Chair),  
Aldersperson Ben Heili, Aldersperson Regina Hirsch, Aldersperson Greg Jenson, Citizen  
Member John Kallas, Mayor Tim Swadley (Vice-Chair)

### **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. Draft Minutes of the August 19, 2019 Regular Utilities Committee Meeting
- b. Stoughton Utilities August Payments Due List Report
- c. Stoughton Utilities July Financial Summary
- d. Stoughton Utilities July Statistical Report
- e. Stoughton Utilities August Activities Report
- f. Communications

#### **OLD BUSINESS**

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

#### **NEW BUSINESS**

2. Principles and Considerations of Stoughton Utilities Rate Design **(Discussion)**
3. Change Order No. 2 to the 2019 Street and Utility Construction Project **(Action)**
4. Stoughton Utilities 2019 Water Revenue Bonds Issuance **(Action)**
5. Utilities Committee Future Agenda Item(s) **(Discussion)**
6. Tour of the Stoughton Utilities **Well No. 5 (Discussion)**

#### **ADJOURNMENT**

#### **OPTIONAL TOUR**

#### **Notices Sent To:**

Stoughton Utilities Committee Members  
Stoughton Utilities Director Jill M. Weiss, P.E.  
Stoughton Utilities Assistant Director Brian Hoops

cc: Stoughton Assistant Director of Finance & City Treasurer Ryan Wiesen  
Stoughton City Attorney Matthew Dregne  
Stoughton Common Council Members  
Stoughton City Clerk Holly Licht  
Stoughton Leadership Team  
Stoughton Utilities Electric System Supervisor Bryce Sime  
Stoughton Utilities Operations Superintendent Sean Grady  
Stoughton Utilities Water System Supervisor Kent Thompson  
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 Brian Hoops via telephone at (608) 877-7412, or via email at [BHoops@stoughtonutilities.com](mailto: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>.

# DRAFT STOUGHTON UTILITIES COMMITTEE REGULAR MEETING MINUTES

Monday, August 19, 2019 – 5:30 p.m.

Stoughton, WI

Page No. 1

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

**Members Present:** Citizen Member Kym Ackerman, Citizen Member David Erdman (Chair), Alderperson Ben Heili, Alderperson Greg Jenson, Mayor Tim Swadley (Vice-Chair)

**Excused:** Alderperson Regina Hirsch, Citizen Member John Kallas

**Absent:** None

**Others Present:** Stoughton Director of Finance & Comptroller Jamin Friedl, Stoughton Utilities Assistant Director Brian Hoops, Stoughton Utilities Energy Services Representative Cory Neeley, Stoughton Utilities Electric System Supervisor Bryce Sime, Stoughton Utilities Director Jill Weiss

**Call to Order:** Utilities Committee Chairperson David Erdman called the regular Stoughton Utilities Committee Meeting to order at 5:32 p.m.

**Utilities Committee Consent Agenda:** Stoughton Utilities staff presented and discussed the Stoughton Utilities Committee consent agenda items. City of Stoughton staff presented and discussed preliminary draft details of the proposed 2019 borrowing, and informed the committee that the final figures will be provided at the September meeting.

Motion by Ackerman, the motion seconded by Heili, to approve the following consent agenda items as presented:

- a. Draft Minutes of the July 18, 2019 Regular Utilities Committee Meeting
- b. Draft Minutes of the July 18, 2019 Special Joint Meeting of the Utilities Committee and Stoughton Public Works Committee
- c. Stoughton Utilities July Payments Due List Report
- d. Stoughton Utilities June Financial Summary
- e. Stoughton Utilities June Statistical Report
- f. Stoughton Utilities July Activities Report
- g. 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:

**Consent Agenda:**

1. Minutes of the June 17, 2019 Utilities Committee Meeting
2. Stoughton Utilities June Payments Due List Report
3. Stoughton Utilities May Financial Summary
4. Stoughton Utilities May Statistical Report

# DRAFT STOUGHTON UTILITIES COMMITTEE REGULAR MEETING MINUTES

Monday, August 19, 2019 – 5:30 p.m.

Stoughton, WI

Page No. 2

## Business:

1. Amending Zoning Code Section 78-718 (3) (i) of the Stoughton Municipal Code related to the placement of fencing in utility easements

**Declaration of Official Intent 2019-2:** Stoughton Utilities and City of Stoughton staff presented and discussed the declaration of official intent to reimburse an expenditure with proceeds of a borrowing or borrowings authorized by the issuer. This is the second declaration for the year 2019 and preserves the ability to borrow funds up to \$900,000 for the 2020 water infrastructure project, lead meter replacements, lead service replacements, an upcoming water system study, and replacement of water service truck #23. Discussion followed.

Motion by Heili, the motion seconded by Ackerman, to approve the Declaration of Official Intent No. 2019-2. The motion carried unanimously 5 to 0.

**Licensing Agreement for Communications Attachments to Utility Poles Between the City of Stoughton Utilities and TDS Metrocom, LLC:** Stoughton Utilities staff presented and discussed the proposed licensing agreement. Our existing pole attachment license agreement was most recently updated in 2019 when another communications provider expanded their footprint within our service territory, and was approved by the Stoughton Utilities Committee and Common Council at that time. The agreement with TDS Metrocom, LLC is substantially the same as past agreements. Discussion followed.

Motion by Heili, the motion seconded by Jenson, to approve the Licensing Agreement for Communications Attachments to Utility Poles Between the City of Stoughton Utilities and TDS Metrocom, LLC, and recommend approval to the Stoughton Common Council. The motion carried unanimously 5 to 0

**Change Order No. 1 to the 2019 Street and Utility Construction Project:** Stoughton Utilities staff presented and discussed the ongoing 2019 Street and Utility Construction Project and the opportunity it provides the utility to address the ongoing problem of clearwater entry into the sanitary sewer collection system. A section of West Main Street that is significantly impacted by clearwater entry is scheduled to be closed for a period of time in August and September due to the construction project already underway. This closure provides an opportune time to address the problem, and the current project contractor has agreed to complete the work. Discussion followed.

The City of Stoughton Purchasing Policy allows staff to approve project change orders with the approval of the City Finance Director and the Mayor. Such approval was received, and Change Order No. 1 to the 2019 Street and Utility Construction Project in the amount of \$96,602.58 was effected. The purchasing policy directs that the Stoughton Common Council approve the change order prior to submittal of the final project payment.

Motion by Jenson, the motion seconded by Heili, to approve Change Order No. 1 to the 2019 Street and Utility Construction Project, and recommend approval to the Stoughton Common Council. The motion carried unanimously 5 to 0

**Wisconsin Energy Independent Community Partnership Program:** Stoughton Utilities staff presented and discussed the Wisconsin Office of Energy Independence's (OEI) creation of a Wisconsin Energy Independent Community Partnership program in April 2008. This program was launched to energize the state's "25 x 25"

# DRAFT STOUGHTON UTILITIES COMMITTEE REGULAR MEETING MINUTES

Monday, August 19, 2019 – 5:30 p.m.

Stoughton, WI

Page No. 3

goal of generating 25% of electricity and transportation fuels from renewable sources by the year 2025, and was one component of Governor Jim Doyle's Clean Energy Wisconsin plan.

On July 14, 2008, the Stoughton Utilities Committee approved participation in the Wisconsin Energy Independent Community Partnership Program, and on July 22, 2008 the City of Stoughton Common Council also approved participation.

Staff informed the committee that it is expected by 2021 that Stoughton standard wholesale power supply provided by WPPI Energy will include over 22% generated by renewable sources. This percentage continues to increase as current purchased power contracts expire. Staff further informed the committee that 40% of all electrical usage for City of Stoughton municipal facilities is provided by renewable sources through a mixture of the standard power supply resources as well as supplemental blocks purchased through our Choose Renewable program.

Heili informed the committee that he plans to continue conversations on what the municipality can do to reduce their carbon footprint at upcoming meetings of the Community Affairs / Council Policy Committee.

Discussion followed.

**Results of the Stoughton Utilities 2019 Lead and Copper Sampling Program:** Stoughton Utilities staff presented and discussed the results of the 2019 lead and copper sampling program. In accordance with Wisconsin regulation, Stoughton Utilities collects water samples from 30 homes each year, and tests those samples to determine the amount of lead and copper that is present in those homes' drinking water. This water quality monitoring recently found elevated levels of lead that exceed the action level in six of those 30 homes.

Staff informed the committee that the utility is viewing this as an opportunity to continue to further educate the community about the danger of lead and what they can do to determine if their home is affected to minimize any risk, as well as develop ways for the utility and municipality to eliminate lead from the drinking water system. Discussion followed.

**Invitation to Attend the WPPI Energy Annual Meeting:** Stoughton Utilities staff invited members of the Stoughton Utilities Committee to WPPI Energy's Annual Meeting, to be held in Elkhart Lake Wisconsin on Thursday, September 19, 2019. If a quorum of the Utilities Committee may be present, the appropriate public notice will be posted as required by law. Discussion followed.

**Utilities Committee Future Agenda Items:** Staff informed the committee that upcoming meeting topics include an education presentation on the utility rate design process, update and action on the proposed borrowing for upcoming projects, the continuation of scheduled tours of various utility facilities as weather permits, a proposed ordinance related to the mandatory replacement of customer-owned lead service lines, the Stoughton Utilities 20-year Capital Improvements Plan, the Stoughton Utilities proposed 2020 operating budget, the Wisconsin Department of Natural Resources response to our submitted 2018 Wastewater Compliance Maintenance Annual Report (CMAR), and a continuing discussion of upcoming 5G technology. Discussion followed.

**Tour of the Stoughton Utilities West Substation:** Stoughton Utilities staff invited the committee members to participate in a tour of the Stoughton Utilities West Substation immediately following the meeting. Discussion followed.

# DRAFT STOUGHTON UTILITIES COMMITTEE REGULAR MEETING MINUTES

Monday, August 19, 2019 – 5:30 p.m.

Stoughton, WI

Page No. 4

**Adjournment:** Motion by Jenson, the motion seconded by Ackerman, to adjourn the regular Stoughton Utilities Committee Meeting at 6:37 p.m. The motion carried unanimously 5 to 0.

Following the meeting, Ackerman, Erdman, Heili, and Jenson joined Stoughton Utilities staff for a tour of the Stoughton Utilities West Substation. Swadley joined the tour late as Erdman exited early.

Respectfully submitted

Brian R. Hoops

Stoughton Utilities Assistant Director

DRAFT

Date: Thursday, September 05, 2019  
 Time: 08:19AM  
 User: SGUNSOLUS

**Stoughton Utilities**  
**Check Register Summary - Standard**

Page: 1 of 5  
 Report: 03699W.rpt  
 Company: 7430

Period: - As of: 9/5/2019

Check Nbr	Type	Date	Amount Paid	Vendor ID / Name	Description
<b>Company: 7430</b>					
001850	EP	8/7/2019	22,937.58	516 WELLS FARGO BANK	VO for check batch: 309158
001851	HC	8/9/2019	1,330,469.51	009 WPPI	WPPI-Renewable Energy/WPPI-Buy Back Solar Credit/WPPI-Large Power/WPPI-Support Services/WPPI-Support Services/WPPI-Support Services/WPPI-Support Services
001852	HC	8/30/2019	227.74	003 Alliant Energy - Ach	Alliant Energy - Aug Ach/Alliant Energy - Aug Ach/Alliant Energy - Aug Ach/Alliant Energy - Aug Ach/Alliant Energy - Aug Ach/Alliant Energy - Aug Ach
001853	HC	8/30/2019	422.03	547 Charter Communications-Ach	Charter Comm-Aug Ach/Charter Comm-Aug Ach/Charter Comm-Aug Ach/Charter Comm-Aug Ach
001854	HC	8/30/2019	742.20	002 Employee Benefits Corp - Ach	EBC - Aug Ach/EBC - Aug Ach/EBC - Aug Ach/EBC - Aug Ach
001855	HC	8/30/2019	466.68	007 TDS Metrocom - Ach	TDS Metrocom - Aug Ach/TDS Metrocom - Aug Ach/TDS Metrocom - Aug Ach/TDS Metrocom - Aug Ach
001856	HC	8/30/2019	155.67	952 AT&T	AT&T-Aug Ach/AT&T-Aug Ach
001857	HC	8/30/2019	1,294.50	001 Delta Dental - Ach	Delta Dental - Aug Ach/Delta Dental - Aug Ach/Delta Dental - Aug Ach
001858	HC	8/30/2019	214.16	856 GORDON FLESCH COMPANY, INC.	Gordon Flesch-Aug Ach/Gordon Flesch-Aug Ach/Gordon Flesch-Aug Ach/Gordon Flesch-Aug Ach
001859	HC	8/30/2019	712.49	004 Us Cellular - Ach	Us Cellular - Aug Ach/Us Cellular - Aug Ach/Us Cellular - Aug Ach/Us Cellular - Aug Ach
001860	HC	8/30/2019	30.52	421 FIRST DATA CHARGES	First Data-Aug Ach/First Data-Aug Ach/First Data-Aug Ach/First Data-Aug Ach
001861	HC	8/30/2019	8,742.45	020 Wells Fargo Bank-Ach	Client Analysis-Aug Ach/Client Analysis-Aug Ach/Client Analysis-Aug Ach/Client Analysis-Aug Ach
001862	HC	8/30/2019	55,097.78	010 WI Dept. of Revenue Taxpayment-Ach	Dept of Revenue-Aug Ach/Dept of Revenue-Aug Ach

Date: Thursday, September 05, 2019  
 Time: 08:20AM  
 User: SGUNSOLUS

**Stoughton Utilities**  
**Check Register Summary - Standard**

Page: 2 of 5  
 Report: 03699W.rpt  
 Company: 7430

Period: - As of: 9/5/2019

Check Nbr	Type	Date	Amount Paid	Vendor ID / Name	Description
001863	HC	8/30/2019	7,099.55	008 Payroll State Taxes - Ach	State Taxes-Aug Ach/State Taxes-Aug Ach
001864	HC	8/30/2019	37,970.76	025 Payroll Federal Taxes- Ach	Federal Taxes-Aug Ach/Federal Taxes-Aug Ach/Federal Taxes-Aug Ach/Federal Taxes-Aug Ach
023873	VC	8/30/2019	-51.00	550 FIRST SUPPLY LLC MADISON	First Supply-Curb Stop repair
024028	VC	8/30/2019	-373.00	527 DIVISION OF ENERGY HOUSING AND COMM	A Clayton-Public Benefits
024451	VC	8/30/2019	-14.00	377 GENERAL COMMUNICATIONS, INC	General heating-Helical antenn
024529	VC	8/30/2019	-12.44	457 ENERGY SERVICES	Energy Services-Customer Ref
024656	VC	8/30/2019	-276.06	433 DIVISION OF ENERGY HOUSING AND COMM	WHEDA-Customer refund
024872	VC	8/30/2019	-150.95	659 DIVISION OF ENERGY HOUSING AND COMM	Wi Div-Customer Refund
026430	CK	8/7/2019	214.92	146 STOUGHTON ELECTRIC UTIL.	Stoton Elec-Bulk Water
026431	CK	8/7/2019	9,840.00	290 MID-WEST TREE & EXCAVATION, INC	Midwest-Trenching/Midwest - Trenching/Midwest - Trenching/Midwest-Trenching/Midwest-Trenching/Midwest-Trenching
026432	CK	8/7/2019	1,200.00	335 LUBE E-Z LLC	Lube EZ-Oil
026433	CK	8/7/2019	6,493.05	651 WISCONSIN DNR - ENVIRONMENTAL FEES	Wi Dnr-Env Fees
026434	CK	8/7/2019	11,194.00	733 BROWN WOOD PRESERVING CO., INC.	Brown Wood-Inventory
026435	CK	8/7/2019	1,000.00	349 ELIZABETH HAMMOND	E Hammond-Scholarship
026436	CK	8/7/2019	50.00	876 MIKE HINTZ	M Hintz-Customer Refund
026437	CK	8/7/2019	1,000.00	935 ST. VINCENT DE PAUL - ST. ANN	St Ann-Donation
026438	CK	8/7/2019	2,412.80	143 DIGGERS HOTLINE, INC.	Diggers Hotline-Locates
026439	CK	8/7/2019	168.00	405 ROSENBAUM CRUSHING & EXCAV.	Rosenbaum-Top soil/Rosenbaum-Top soil
026440	CK	8/7/2019	686.76	358 KUNZ GLOVE CO., INC.	Kunz-Gloves/Kunz-Gloves/Kunz-Gloves/Kunz-Gloves



Date: Thursday, September 05, 2019  
 Time: 08:20AM  
 User: SGUNSOLUS

**Stoughton Utilities**  
**Check Register Summary - Standard**

Page: 3 of 5  
 Report: 03699W.rpt  
 Company: 7430

Period: - As of: 9/5/2019

Check Nbr	Type	Date	Amount Paid	Vendor ID / Name	Description
026441	CK	8/7/2019	1,977.98	400 RESCO	Resco-Supplies/Resco-Inventory/Resco-Supplies/Resco-Inventory/Resco-Supplies/Resco-Inventory
026442	CK	8/7/2019	688.91	448 STRAND ASSOCIATES INC.	Strand-WWTP Extras
026443	CK	8/8/2019	456.77	133 WISCONSIN SCTF	WI SCTF-Support
026444	CK	8/12/2019	177.82	203 AMY HERMES	A Hermes-Customer Refund
026445	CK	8/12/2019	649.41	465 JOHN RUST	J Rust-Customer Refund
026446	CK	8/12/2019	10.79	701 ROBERT NEVILLE	R Neville-Customer Refund
026447	CK	8/12/2019	162.84	736 RENT ASSISTANCE PROGRAM	Rent Assistance-Cust Ref
026448	CK	8/12/2019	1,111.63	914 FIRST CHOICE DENTAL	First Choice-Customer Refund
026449	CK	8/12/2019	1,278.72	327 BORDER STATES ELECTRIC SUPPLY	Border States-Inventory/Border States-Inventory/Border States-Supplies/Border States-Supplies/Border States-Supplies
026450	CK	8/12/2019	232.48	405 ROSENBAUM CRUSHING & EXCAV.	Rosenbaum-Limestone sand
026451	CK	8/12/2019	21,914.15	489 WRIGHT TREE SERVICE	Wright-Tree Trimming/Wright Tree-Tree Trimming/Wright Tree-Tree Trimming
026452	CK	8/12/2019	10,370.00	798 1901 INC.	1901 INC.-2nd installment
026453	CK	8/12/2019	61.00	865 BOARDMAN & CLARK LLP	Boardman - Prof Services
026454	CK	8/12/2019	278,877.03	131 CITY OF STOUGHTON	City Stoton-St Open Permit/City Stoton-June Mechanical/City Stoton-Wa Twr Rental/City Stoton-May Mechanical/City Stoton-May Mechanical/City Stoton-June Mechanical/City Stoton-July Rent/City Stoton-St Open Permit/City Stoton-July Rent/More...
026455	CK	8/21/2019	54.78	327 BORDER STATES ELECTRIC SUPPLY	Border States-Supplies
026456	CK	8/21/2019	9,638.05	400 RESCO	Resco-Supplies/Resco-Transformers/Resco-Inventory
026457	CK	8/21/2019	15,920.55	539 DEPT OF ADMIN-WISMART VENDOR #396028867 E	Dept of Admin-Pub Benefits

Date: Thursday, September 05, 2019  
 Time: 08:20AM  
 User: SGUNSOLUS

**Stoughton Utilities**  
**Check Register Summary - Standard**

Page: 4 of 5  
 Report: 03699W.rpt  
 Company: 7430

Period: - As of: 9/5/2019

Check Nbr	Type	Date	Amount Paid	Vendor ID / Name	Description
026458	CK	8/21/2019	10,055.25	727 GLS UTILITY LLC	GLS Utility-July Locates/GLS Utility-July Locates/GLS Utility-July Locates
026459	CK	8/21/2019	77.00	961 STOUGHTON COURIER HUB	Courier Hub- Renewal/Courier Hub- Renewal/Courier Hub- Renewal
026460	CK	8/21/2019	1,840.00	084 HARVEST FARMS, LLC	Harvest Farms-Emb Credits/Harvest Farms-Emb Credits/Harvest Farms-Emb Credits
026461	CK	8/21/2019	48,538.90	131 CITY OF STOUGHTON	City Stoton-Stormwater
026462	CK	8/21/2019	195.00	673 MULCAHY SHAW WATER	Mulcahy - Water class
026463	CK	8/21/2019	1,528.00	865 BOARDMAN & CLARK LLP	Boardman-Attrn fees
026464	CK	8/22/2019	18,910.54	131 CITY OF STOUGHTON	City Stoton-Aug Retirement/City Stoton-Aug Retirement/City Stoton-Aug Retirement
026465	CK	8/22/2019	456.77	133 WISCONSIN SCTF	WI SCTF-Aug B Support
026466	CK	8/22/2019	27,652.20	290 MID-WEST TREE & EXCAVATION, INC	Midwest-Trenching/Mid West-Trenching/Mid West-trenching/Mid West- Trenching/Mid West-Trenching/Mid West- Trenching/Mid West- Trenching/Mid West- Trenching
026467	CK	8/22/2019	2,334.00	451 INSIGHT FS	Insight-Fuel/Insight-Fuel/Insight-Fuel
026468	CK	8/22/2019	23,789.00	798 1901 INC.	1901 INC.-Air Unit
026469	ZC	8/30/2019	0.00	457 ENERGY SERVICES	Energy Services-Customer Ref/Void ck 024529
026470	CK	8/30/2019	276.06	433 DIVISION OF ENERGY HOUSING AND COMM	WHEDA-Customer refund
026471	CK	8/30/2019	373.00	527 DIVISION OF ENERGY HOUSING AND COMM	A Clayton-Public Benefits
026472	CK	8/30/2019	150.95	659 DIVISION OF ENERGY HOUSING AND COMM	Wi Div-Customer Refund
026473	ZC	8/30/2019	0.00	377 GENERAL COMMUNICATIONS, INC	void ck 024451/General heating-Helical antenn
026474	ZC	8/30/2019	0.00	550 FIRST SUPPLY LLC MADISON	First Supply-Curb Stop repair/Void ck 023873/void 023873
101856	CK	8/8/2019	250.00	135 CTW CORPORATION	CTW Corp-Oil

Date: Thursday, September 05, 2019  
 Time: 08:20AM  
 User: SGUNSOLUS

**Stoughton Utilities**  
**Check Register Summary - Standard**

Page: 5 of 5  
 Report: 03699W.rpt  
 Company: 7430

Period: - As of: 9/5/2019

Check Nbr	Type	Date	Amount Paid	Vendor ID / Name	Description
101857	CK	8/8/2019	28.00	310 HANSON PEST MANAGEMENT	Hanson Pest-Maint.
101858	CK	8/8/2019	4,460.00	463 GREAT-WEST	Great West-Aug A Def Comp
101859	CK	8/8/2019	450.00	731 NORTH SHORE BANK FSB-DEFERRED COMP.	N Shore BK-Aug A Def Comp
101860	CK	8/8/2019	5,903.91	995 MEUW	MEUW-Safety Program/MEUW-Safety Program/MEUW-Safety Program
101861	CK	8/22/2019	8,335.80	157 FORSTER ELEC. ENG.,INC.	Forster-Roby Rd 51 reloc/Forster-Tech assist/Forster-Tech Assist/Forster-Tech assist/Forster-Tech assist/Forster-Tech assist
101862	CK	8/22/2019	4,460.00	463 GREAT-WEST	Great West-Aug B Def Comp
101863	CK	8/22/2019	1,655.00	519 B & H LAWN CARE	B & H-Well 4 mowing/B & H-North Sub mowing/B & H-West Sub mowing/B & H-Admin Mowing/B & H-Well 5 mowing/B & H-Well 6 mowing/B & H-Twr 2 mowing/B & H-WW mowing/B & H-South Sub mowing/B & H-East Sub mowing/B & H-Admin Mowing/B & H-Admin Mowing
101864	CK	8/22/2019	5,613.87	603 SEERA-WIPFLI LLP	SEERA-CTC funds
101865	CK	8/22/2019	450.00	731 NORTH SHORE BANK FSB-DEFERRED COMP.	N Shore Bk-Aug B Def Comp
<b>Company Total</b>			<b>2,011,331.86</b>		

Date: Wednesday, August 07, 2019

Time: 08:41AM

User: SGUNSOLUS

# Stoughton Utilities Posting Preview Report

Select By: {PSSPurchCard.RefNbr} = '0000000101'

Company	Account	Sub	Vendor ID	Merchant	Amount	Description	Post Date	Emp ID	Projec
<b>Import ID: 009010</b>		<b>Import # : 0000000101</b>							
7450	143	000000	261	DINGES FIRE COMPANY MOTO	-95.00	REFUND FROM JUNE	07/03/2019	7400	-
7450	143	000000	261	DINGES FIRE COMPANY MOTO	-95.00	REFUND FROM JUNE	07/03/2019	7400	-
7460	107.14	000000	974	NORTHERN LAKE SERVICE- IN	443.85	PARADISE POND TESTING	07/01/2019	8300	190303XX - 1
7460	833	000000	830	NCL OF WISCONSIN INC	669.62	LAB SUPPLIES	07/03/2019	8300	-
7460	833	000000	994	U.S. PLASTIC CORPORATION	190.93	SILICON TUBING	07/08/2019	8300	-
7460	143	000000	994	U.S. PLASTIC CORPORATION	10.50	SILICON TUBING - SALES TAX	07/08/2019	8300	-
7460	854	000000	841	FARM & FLEET OF MADISON	89.99	SAFETY BOOTS	07/08/2019	8300	-
7460	833	000000	830	NCL OF WISCONSIN INC	467.03	LAB SUPPLIES	07/11/2019	8300	-
7460	107.14	000000	937	SPEE-DEE DELIVERY SERVICE	16.45	PARADISE POND TESTING	07/22/2019	8300	190303XX - 1
7460	107.14	000000	937	SPEE-DEE DELIVERY SERVICE	16.45	PARADISE POND TESTING	07/29/2019	8300	190303XX - 1
7430	921	000000	854	DISCOUNTASP.NET	114.95	SSL wildcard certificate renewal - annual	07/03/2019	5250	-
7450	921	000000	854	DISCOUNTASP.NET	41.80	SSL wildcard certificate renewal - annual	07/03/2019	5250	-
7460	851	000000	854	DISCOUNTASP.NET	52.25	SSL wildcard certificate renewal - annual	07/03/2019	5250	-
7430	903	000000	419	PAYFLOW/PAYPAL	43.97	Credit card processing - Recurring and desktop	07/03/2019	5250	-
7450	903	000000	419	PAYFLOW/PAYPAL	15.83	Credit card processing - Recurring and desktop	07/03/2019	5250	-
7460	840	000000	419	PAYFLOW/PAYPAL	21.10	Credit card processing - Recurring and desktop	07/03/2019	5250	-
7430	233	001099	419	PAYFLOW/PAYPAL	7.05	Credit card processing - Recurring and desktop	07/03/2019	5250	-
7430	921	000000	836	MSFT E04008ITLQ	31.90	SOFTWARE LICENSING - HOSTED MS SKYPE BUSINESS - MONTHLY	07/03/2019	5250	-
7450	921	000000	836	MSFT E04008ITLQ	11.60	SOFTWARE LICENSING - HOSTED MS SKYPE BUSINESS - MONTHLY	07/03/2019	5250	-
7460	851	000000	836	MSFT E04008ITLQ	14.50	SOFTWARE LICENSING - HOSTED MS SKYPE BUSINESS - MONTHLY	07/03/2019	5250	-
7430	903	000000	419	PAYFLOW/PAYPAL	60.07	Credit card processing - Online MyAccount	07/03/2019	5250	-
7450	903	000000	419	PAYFLOW/PAYPAL	21.62	Credit card processing - Online MyAccount	07/03/2019	5250	-
7460	840	000000	419	PAYFLOW/PAYPAL	28.83	Credit card processing - Online MyAccount	07/03/2019	5250	-
7430	233	001099	419	PAYFLOW/PAYPAL	9.63	Credit card processing - Online MyAccount	07/03/2019	5250	-
7430	921	000000	836	MSFT E04008IXMJ	8.25	SOFTWARE LICENSING - HOSTED MSONEDRIVE - MONTHLY	07/04/2019	5250	-
7450	921	000000	836	MSFT E04008IXMJ	3.00	SOFTWARE LICENSING - HOSTED MSONEDRIVE - MONTHLY	07/04/2019	5250	-
7460	851	000000	836	MSFT E04008IXMJ	3.75	SOFTWARE LICENSING - HOSTED MSONEDRIVE - MONTHLY	07/04/2019	5250	-
7450	633	000000	108	ASLESON'S TRUE VALUE HDW	9.99	WELL 5 EXHAUST FAN PULLEY	07/24/2019	8400	-
7450	652	000000	994	CHEMWORLD	124.95	CHEMICAL CHECK VALVES	07/02/2019	8700	-
7450	675	000000	108	ASLESON'S TRUE VALUE HDW	14.48	REPLACED NUT DRIVERS	07/08/2019	8700	-
7450	673	000000	571	USA BLUE BOOK	105.00	PULSAFEEDER FOOT VALVE	07/03/2019	7400	-
7450	642	000000	675	WI STATE HYGIENE LAB	26.00	FLOURIDE ANALYSIS	07/03/2019	7400	-
7450	641	000000	309	HAWKINS INC	956.64	CHEMICALS	07/08/2019	7400	-
7450	677	000000	571	USA BLUE BOOK	92.46	HYDRANT REPAIRS	07/11/2019	7400	-
7450	642	000000	974	NORTHERN LAKE SERVICE- IN	100.00	SAMPLE ANALYSIS	07/11/2019	7400	-
7450	642	000000	571	USA BLUE BOOK	120.80	DAILY SAMPLE STANDARDS	07/25/2019	7400	-
7450	641	000000	309	HAWKINS INC	1,529.18	CHEMICALS	07/26/2019	7400	-
7450	652	000000	571	USA BLUE BOOK	521.84	CHEMICAL PUMP SUPPLIES	07/31/2019	7400	-
7450	107.14	000000	354	HYDRO DESIGNS	693.57	CROSS CONNECTIONS	07/31/2019	7400	190901XX - 1
7460	834	000000	108	ASLESON'S TRUE VALUE HDW	59.97	NEW BOILER DISCONNECT	07/15/2019	8710	-
7460	832	000000	207	LW ALLEN	170.10	8TH ST LS REPAIR	07/01/2019	8200	-
7460	832	000000	207	LW ALLEN	259.96	VENEVOLL LS REPAIR	07/01/2019	8200	-

Date: Wednesday, August 07, 2019

Time: 08:41AM

User: SGUNSOLUS

# Stoughton Utilities Posting Preview Report

Select By: {PSSPurchCard.RefNbr} = '0000000101'

Company	Account	Sub	Vendor ID	Merchant	Amount	Description	Post Date	Emp ID	Projec
7460	833	000000	207	LW ALLEN	1,451.86	REPLACE POWER SUPPLY	07/01/2019	8200	-
7430	932	000000	994	TRACTOR SUPPLY #2236	32.98	UTILITY OFFICE FUEL TANK REPAIRS	07/02/2019	8200	-
7450	932	000000	994	TRACTOR SUPPLY #2236	11.99	UTILITY OFFICE FUEL TANK REPAIRS	07/02/2019	8200	-
7460	834	000000	994	TRACTOR SUPPLY #2236	15.01	UTILITY OFFICE FUEL TANK REPAIRS	07/02/2019	8200	-
7430	932	000000	748	SHERWIN WILLIAMS 703833	2.68	PAINT FOR FUEL TANKS	07/02/2019	8200	-
7450	932	000000	748	SHERWIN WILLIAMS 703833	0.97	PAINT FOR FUEL TANKS	07/02/2019	8200	-
7460	834	000000	748	SHERWIN WILLIAMS 703833	1.24	PAINT FOR FUEL TANKS	07/02/2019	8200	-
7430	932	000000	748	SHERWIN WILLIAMS 703833	78.75	PAINT FOR FUEL TANKS	07/02/2019	8200	-
7450	932	000000	748	SHERWIN WILLIAMS 703833	28.63	PAINT FOR FUEL TANKS	07/02/2019	8200	-
7460	834	000000	748	SHERWIN WILLIAMS 703833	35.81	PAINT FOR FUEL TANKS	07/02/2019	8200	-
7460	834	000000	075	ALLEGHENY TRADERS SUPPL	431.34	YEARLY WINCH INSPECTION	07/02/2019	8200	-
7430	932	000000	936	COMPLIANCESIGNS COM	103.57	FUEL TANK WORK	07/04/2019	8200	-
7450	932	000000	936	COMPLIANCESIGNS COM	37.66	FUEL TANK WORK	07/04/2019	8200	-
7460	834	000000	936	COMPLIANCESIGNS COM	47.09	FUEL TANK WORK	07/04/2019	8200	-
7460	834	000000	994	DINGES FIRE COMPANY INTER	95.00	GAS MONITOR CALIBRATION	07/04/2019	8200	-
7460	834	000000	550	FIRST SUPPLY WFPG MAD	161.91	PLUMBING FOR FLOOR DRAIN	07/04/2019	8200	-
7430	932	000000	748	SHERWIN WILLIAMS 703833	163.28	PAINT FOR FUEL TANKS	07/09/2019	8200	-
7450	932	000000	748	SHERWIN WILLIAMS 703833	59.37	PAINT FOR FUEL TANKS	07/09/2019	8200	-
7460	834	000000	748	SHERWIN WILLIAMS 703833	74.23	PAINT FOR FUEL TANKS	07/09/2019	8200	-
7460	834	000000	422	AMZN MKTP US MH5P14512	10.89	DTM CONNECTOR	07/11/2019	8200	-
7460	832	000000	422	AMZN MKTP US MH12R4V80	77.46	BARBERRY LS REPAIRS	07/15/2019	8200	-
7460	832	000000	134	CRESCENT ELECTRIC 130	600.30	PAD FOR VENNEVOLL LS	07/19/2019	8200	-
7460	851	000000	270	MADISON NEWSPAPERS	216.25	NEWSPAPER SUBSCRIPTION	07/19/2019	8200	-
7460	833	000000	108	ASLESON'S TRUE VALUE HDW	3.29	DIGESTER FLOW METER REPAIRS	07/30/2019	8200	-
7460	833	000000	108	ASLESON'S TRUE VALUE HDW	8.06	DIGESTER FLOW METER REPAIRS	07/30/2019	8200	-
7460	833	000000	748	SHERWIN WILLIAMS 703833	189.54	PAINT FOR PLANT	07/31/2019	8200	-
7450	642	000000	824	UPS 1ZG194WT0337514601	10.22	SHIPPING OF WATER SAMPLES TO LAB	07/04/2019	3680	-
7450	642	000000	824	UPS 1Z17Y6230391770065	10.22	SHIPPING OF WATER SAMPLES TO LAB	07/11/2019	3680	-
7430	921	000000	352	STAPLS7221708392000001	77.45	KITCHEN AND MEETING SUPPLIES	07/12/2019	3680	-
7450	921	000000	352	STAPLS7221708392000001	28.16	KITCHEN AND MEETING SUPPLIES	07/12/2019	3680	-
7460	851	000000	352	STAPLS7221708392000001	35.21	KITCHEN AND MEETING SUPPLIES	07/12/2019	3680	-
7430	921	000000	352	STAPLS7221707907000001	46.86	GENERAL OFFICE SUPPLIES	07/12/2019	3680	-
7450	921	000000	352	STAPLS7221707907000001	16.86	GENERAL OFFICE SUPPLIES	07/12/2019	3680	-
7460	851	000000	352	STAPLS7221707907000001	22.49	GENERAL OFFICE SUPPLIES	07/12/2019	3680	-
7430	233	001099	352	STAPLS7221707907000001	7.51	GENERAL OFFICE SUPPLIES	07/12/2019	3680	-
7450	642	000000	824	UPS 1ZG194WT0312931313	10.22	SHIPPING OF WATER SAMPLES TO LAB	07/18/2019	3680	-
7450	642	000000	824	UPS 1ZG194WT0313360509	10.22	SHIPPING OF WATER SAMPLES TO LAB	07/18/2019	3680	-
7450	642	000000	422	AMAZON.COM MA5523N21	388.20	LEAD FILTRATION PITCHERS FOR AT-RISK CUSTOMERS	07/25/2019	3680	-
7430	594	000000	994	TRACTOR SUPPLY #2236	39.99	DRILL BITS	07/09/2019	6960	-
7430	594	000000	507	WAL-MART #1176	40.47	POP UP TENT	07/17/2019	6960	-
7430	593	000000	894	CVTC CHIPPEWA CAMPUS	359.01	APPRENTICE TUITION	07/29/2019	5296	-
7430	594	000000	894	CVTC CHIPPEWA CAMPUS	359.02	APPRENTICE TUITION	07/29/2019	5296	-
7460	834	000000	108	ASLESON'S TRUE VALUE HDW	18.99	HVAC UNIT REPAIRS	07/25/2019	6930	-
7430	934	000000	626	663 STOUGHTON BUMPER TO B	149.99	TRUCK 14 BATTERY	07/30/2019	6930	-

Date: Wednesday, August 07, 2019

Time: 08:41AM

User: SGUNSOLUS

# Stoughton Utilities Posting Preview Report

Select By: {PSSPurchCard.RefNbr} = '0000000101'

Company	Account	Sub	Vendor ID	Merchant	Amount	Description	Post Date	Emp ID	Projec
7430	926	000000	398	HOFFMAN BOOTS	300.00	SAFETY BOOTS	07/01/2019	6980	-
7430	143	000000	398	HOFFMAN BOOTS	55.22	SAFETY BOOTS	07/01/2019	6980	-
7460	831	000000	994	JENSEN EQUIPMENT	250.00	RENTAL FOR COLLECTION SYSTEM WORK	07/08/2019	8740	-
7460	831	000000	994	TRACTOR SUPPLY #2236	37.95	MISC COLLECTION SYSTEM ITEMS	07/17/2019	8740	-
7430	593	000000	108	ASLESON'S TRUE VALUE HDW	19.47	BUG SPRAY FOR LINE CREW	07/16/2019	6940	-
7430	107.14	000000	894	PLAINFIELD T/P-CITGOVEL P	8.21	WI RAPIDS MUTUAL AID	07/23/2019	6940	190195XX - 1
7430	107.14	000000	894	KWIK TRIP 34700003475	73.70	WI RAPIDS MUTUAL AID	07/24/2019	6940	190195XX - 1
7430	107.14	000000	894	241 HARDEES WI RAPIDS	20.95	WI RAPIDS MUTUAL AID	07/25/2019	6940	190195XX - 1
7430	107.14	000000	894	EXXONMOBIL 97397079	3.52	WI RAPIDS MUTUAL AID	07/25/2019	6940	190195XX - 1
7430	107.14	000000	894	KWIK TRIP 12800001289	7.88	WI RAPIDS MUTUAL AID	07/26/2019	6940	190195XX - 1
7430	107.14	000000	894	KWIK TRIP 12800001289	39.78	WI RAPIDS MUTUAL AID	07/26/2019	6940	190195XX - 1
7430	107.14	000000	894	KWIK TRIP 12800001289	5.25	WI RAPIDS MUTUAL AID	07/29/2019	6940	190195XX - 1
7430	107.14	000000	894	MCDONALD'S F2256	6.09	WI RAPIDS MUTUAL AID	07/29/2019	6940	190195XX - 1
7430	107.14	000000	894	KWIK TRIP 12800001289	39.09	WI RAPIDS MUTUAL AID	07/29/2019	6940	190195XX - 1
7430	107.14	000000	894	KWIK TRIP 12800001289	36.87	WI RAPIDS MUTUAL AID	07/29/2019	6940	190195XX - 1
7430	593	000000	436	STOUGHTON LUMBER CO	53.76	SAW BLADES AND SCREWDRIVER	07/05/2019	6970	-
7430	107.14	000000	894	241 HARDEES WI RAPIDS	21.69	WI RAPIDS MUTUAL AID	07/24/2019	6970	190195XX - 1
7430	107.14	000000	894	SLEEP INN WI RAPIDS	113.50	WI RAPIDS MUTUAL AID	07/24/2019	6970	190195XX - 1
7430	107.14	000000	894	SLEEP INN WI RAPIDS	113.50	WI RAPIDS MUTUAL AID	07/24/2019	6970	190195XX - 1
7430	107.14	000000	894	SLEEP INN WI RAPIDS	113.50	WI RAPIDS MUTUAL AID	07/25/2019	6970	190195XX - 1
7430	107.14	000000	894	APPLEBEES 989863698989	19.31	WI RAPIDS MUTUAL AID	07/29/2019	6970	190195XX - 1
7430	107.14	000000	894	SLEEP INN WI RAPIDS	227.00	WI RAPIDS MUTUAL AID	07/29/2019	6970	190195XX - 1
7430	107.14	000000	894	SLEEP INN WI RAPIDS	340.50	WI RAPIDS MUTUAL AID	07/29/2019	6970	190195XX - 1
7430	926	000000	809	CINTAS 60A SAP	136.82	UNIFORM CLEANING	07/01/2019	4000	-
7450	926	000000	809	CINTAS 60A SAP	20.08	UNIFORM CLEANING	07/01/2019	4000	-
7460	854	000000	809	CINTAS 60A SAP	15.61	UNIFORM CLEANING	07/01/2019	4000	-
7430	926	000000	809	CINTAS 60A SAP	116.19	UNIFORM CLEANING	07/05/2019	4000	-
7450	926	000000	809	CINTAS 60A SAP	20.08	UNIFORM CLEANING	07/05/2019	4000	-
7460	854	000000	809	CINTAS 60A SAP	15.61	UNIFORM CLEANING	07/05/2019	4000	-
7430	934	000000	269	UTILITY SALES & SERV	533.89	TRUCK 2 MAINT	07/10/2019	4000	-
7430	926	000000	809	CINTAS 60A SAP	136.82	UNIFORM CLEANING	07/15/2019	4000	-
7450	926	000000	809	CINTAS 60A SAP	20.08	UNIFORM CLEANING	07/15/2019	4000	-
7460	854	000000	809	CINTAS 60A SAP	15.61	UNIFORM CLEANING	07/15/2019	4000	-
7430	926	000000	809	CINTAS 60A SAP	116.19	UNIFORM CLEANING	07/22/2019	4000	-
7450	926	000000	809	CINTAS 60A SAP	7.88	UNIFORM CLEANING	07/22/2019	4000	-
7460	854	000000	809	CINTAS 60A SAP	15.61	UNIFORM CLEANING	07/22/2019	4000	-
7430	932	000000	322	IN SUNDANCE BIOCLEAN, IN	280.50	JANITORIAL	07/23/2019	4000	-
7450	932	000000	322	IN SUNDANCE BIOCLEAN, IN	102.00	JANITORIAL	07/23/2019	4000	-
7460	834	000000	322	IN SUNDANCE BIOCLEAN, IN	127.50	JANITORIAL	07/23/2019	4000	-
7430	926	000000	809	CINTAS 60A SAP	122.00	UNIFORM CLEANING	07/29/2019	4000	-
7450	926	000000	809	CINTAS 60A SAP	20.08	UNIFORM CLEANING	07/29/2019	4000	-
7460	854	000000	809	CINTAS 60A SAP	15.60	UNIFORM CLEANING	07/29/2019	4000	-
7430	232	001099	355	STUART C IRBY	1,795.50	ELECTRIC INVENTORY	07/02/2019	4100	-
7430	232	001099	134	CRESCENT ELECTRIC 087	435.60	ELECTRIC INVENTORY	07/02/2019	4100	-

Date: Wednesday, August 07, 2019

Time: 08:41AM

User: SGUNSOLUS

## Stoughton Utilities Posting Preview Report

Select By: {PSSPurchCard.RefNbr} = '0000000101'

Company	Account	Sub	Vendor ID	Merchant	Amount	Description	Post Date	Emp ID	Projec
7430	594	000000	355	STUART C IRBY	67.20	SWITCHGEAR LUGS	07/04/2019	4100	-
7430	594	000000	355	STUART C IRBY	879.00	SWITCHGEAR FUSES	07/08/2019	4100	-
7430	232	001099	355	STUART C IRBY	982.72	ELECTRIC INVENTORY	07/10/2019	4100	-
7430	594	000000	355	STUART C IRBY	14.95	SWITCHGEAR LUGS	07/10/2019	4100	-
7430	932	000000	331	MONONA PLUMBING	618.75	SPRINKLER SYSTEM INSPECTION	07/11/2019	4100	-
7450	932	000000	331	MONONA PLUMBING	225.00	SPRINKLER SYSTEM INSPECTION	07/11/2019	4100	-
7460	834	000000	331	MONONA PLUMBING	281.25	SPRINKLER SYSTEM INSPECTION	07/11/2019	4100	-
7430	232	001099	327	BORDER STATES ELECTRIC	147.97	ELECTRIC INVENTORY	07/11/2019	4100	-
7450	232	001099	550	FIRST SUPPLY WFPG MAD	61.60	WATER INVENTORY	07/12/2019	4100	-
7430	232	001099	355	STUART C IRBY	195.15	ELECTRIC INVENTORY	07/15/2019	4100	-
7430	593	000000	422	AMAZON.COM MH2SV89Q1 AMZN	50.36	MISC	07/17/2019	4100	-
7430	934	000000	994	CAPITAL EQUIPMENT	69.00	FORK LIFT MAINT	07/17/2019	4100	-
7430	232	001099	355	STUART C IRBY	64.35	ELECTRIC INVENTORY	07/18/2019	4100	-
7430	163	000000	824	UPS 1ZD4W91T0321263050	10.94	RETURNED LUGS	07/19/2019	4100	-
7450	673	000000	422	AMZN MKTP US MA7DN1C12 AM	43.99	WATER BARRICADE LIGHT BATTERIES	07/19/2019	4100	-
7430	232	001099	134	CRESCENT ELECTRIC 087	689.25	ELECTRIC INVENTORY	07/31/2019	4100	-
<b>Total:</b>					<b>22,937.58</b>				

# Stoughton Utilities

## Financial Summary

July 2019 YTD

### Highlights/Concerns

*The following items are meant to illustrate significant changes in the financial summary from the prior-YTD period.*

#### **Overall Summary:**

YTD 2019 net income is 21% (or \$174,000) higher than prior year YTD. This is a marked improvement from the 2.2% (or \$16,600) increase experienced last month. This is due to improved performance from all three utilities but particularly from the electric utility.

#### **Electric Summary:**

Operating revenues YTD are about 3.0% lower than YTD 2018, but 82% of lost revenue was offset by lower purchase power costs. YTD kWh sold has decreased by 0.1 million but that is a marked improvement from a 1.4 million kWh decrease in June 2019 YTD.

Non-power operating expenses were down \$3,700 YTD. Decreases in labor expenses are offsetting increases in depreciation and taxes.

The rate of return is currently 2.18% compared to 3.06% at this point in time in 2018. Unrestricted cash balances are \$4.5 million (3.7 months of sales).

#### **Water Summary:**

Operating revenues were up \$140,800 or 11.5%, from prior YTD due to the October 2018 rate increase. Total gallons sold YTD has decreased by 3.9 million gallons or 1.5%. July 2019 gallons sold were 472,000 less than July 2018.

Operating expenses were up 1.5% YTD or \$17,000. About \$13,000 of the increased expenses is from additional depreciation and special assessment charges. Water net income is up \$125,000, or about 99%, at \$251,300 YTD.

The rate of return is currently 2.45% compared to 1.26% at this point in time in 2018. Unrestricted cash balances are \$0.3 million (1.7 months of sales). A water debt issue to cover 2019 and 2020 capital projects is pending.

#### **Wastewater Summary:**

Operating revenue YTD is \$1.23 million and is up a moderate 1.5% from YTD 2018. The additional revenue was from a \$34,000 (or 82%) increase in surcharge revenue, which offset a \$16,000 decrease in regular sales.



Operating expenses were \$1,067,000, down 0.7% from the prior year. However, there was a \$35,700 pump rehab expense in July 2018 that is making July 2019 YTD expenses look lower. Adjusting for the pump expense, expenses have increased by \$28,000 in 2019 due to additional depreciation, the insurance amortization factor and miscellaneous expenses.

Unrestricted cash balances are \$1.4 million (8.6 months of sales).

Submitted by:  
Ryan Wiesen

**STOUGHTON UTILITIES**

Balance Sheets  
As of July 31, 2019

	<u>Electric</u>	<u>Water</u>	<u>Wastewater</u>	<u>Combined</u>
<b>Assets</b>				
Cash & Investments	\$ 5,658,810	\$ 1,007,543	\$ 2,808,108	\$ 9,474,461
Customer A/R	1,956,632	243,372	200,535	2,400,538
Other A/R	74,465	152	15	74,632
Other Assets	1,176,992	317,581	219,018	1,713,591
Plant in Service	29,981,881	15,694,958	30,426,508	76,103,347
Accumulated Depreciation	(14,203,181)	(5,438,641)	(11,968,893)	(31,610,715)
Plant in Service - CIAC	3,727,768	7,962,587	-	11,690,355
Accumulated Depreciation-CIAC	(1,842,529)	(2,226,591)	-	(4,069,121)
Construction Work in Progress	448,382	196,637	283,344	928,363
GASB 68 Deferred Outflow	584,707	199,447	221,465	1,005,619
<b>Total Assets</b>	<u>\$ 27,563,927</u>	<u>\$ 17,957,044</u>	<u>\$ 22,190,100</u>	<u>\$ 67,711,070</u>
<b>Liabilities + Net Assets</b>				
Accounts Payable	\$ 34,218	\$ 65,071	\$ 45,125	\$ 144,414
Payable to City of Stoughton	316,870	255,500	-	572,370
Interest Accrued	32,953	10,906	25,595	69,454
Other Liabilities	489,999	76,251	91,339	657,589
Long-Term Debt	4,501,552	2,332,140	4,097,942	10,931,634
Net Assets	21,554,507	15,001,784	17,700,209	54,256,501
GASB 68 Deferred Inflow	633,826	215,392	229,890	1,079,108
<b>Total Liabilities + Net Assets</b>	<u>\$ 27,563,927</u>	<u>\$ 17,957,044</u>	<u>\$ 22,190,100</u>	<u>\$ 67,711,070</u>

**STOUGHTON UTILITIES**

Year-to-Date Combined Income Statement

July 31, 2019

	<b>Electric</b>	<b>Water</b>	<b>Wastewater</b>	<b>Total</b>
<i>Operating Revenue:</i>				
Sales	\$ 8,484,399	\$ 1,324,995	\$ 1,148,006	\$ 10,957,400
Other	117,492	40,456	81,569	239,516
<i>Total Operating Revenue:</i>	<b>\$ 8,601,891</b>	<b>\$ 1,365,451</b>	<b>\$ 1,229,575</b>	<b>\$ 11,196,916</b>
<i>Operating Expense:</i>				
Purchased Power	6,352,901	-	-	6,352,901
Expenses (Including Taxes)	943,470	561,841	565,482	2,070,793
PILOT	268,331	255,500	-	523,831
Depreciation	694,050	296,779	501,669	1,492,498
<i>Total Operating Expense:</i>	<b>\$ 8,258,752</b>	<b>\$ 1,114,120</b>	<b>\$ 1,067,151</b>	<b>\$ 10,440,023</b>
<i>Operating Income</i>	<b>\$ 343,139</b>	<b>\$ 251,331</b>	<b>\$ 162,423</b>	<b>\$ 756,893</b>
Non-Operating Income	286,694	26,766	113,425	426,885
Non-Operating Expense	(93,133)	(26,831)	(64,750)	(184,714)
<i>Net Income</i>	<b>\$ 536,700</b>	<b>\$ 251,266</b>	<b>\$ 211,098</b>	<b>\$ 999,064</b>

**STOUGHTON UTILITIES**

Year-to-Date Combined Income Statement

July 31, 2018

	<b>Electric</b>	<b>Water</b>	<b>Wastewater</b>	<b>Total</b>
<i>Operating Revenue:</i>				
Sales	\$ 8,772,086	\$ 1,182,152	\$ 1,164,164	\$ 11,118,402
Other	98,271	42,454	47,330	188,055
<i>Total Operating Revenue:</i>	<b>\$ 8,870,357</b>	<b>\$ 1,224,606</b>	<b>\$ 1,211,494</b>	<b>\$ 11,306,457</b>
<i>Operating Expense:</i>				
Purchased Power	6,590,165	-	-	6,590,165
Expenses (Including Taxes)	998,892	553,963	580,973	2,133,828
PILOT	261,331	255,500	-	516,831
Depreciation	649,306	287,700	494,081	1,431,087
<i>Total Operating Expense:</i>	<b>\$ 8,499,694</b>	<b>\$ 1,097,163</b>	<b>\$ 1,075,054</b>	<b>\$ 10,671,911</b>
<i>Operating Income</i>	<b>\$ 370,663</b>	<b>\$ 127,444</b>	<b>\$ 136,440</b>	<b>\$ 634,547</b>
Non-Operating Income	308,161	34,837	55,772	398,770
Non-Operating Expense	(100,309)	(36,066)	(71,575)	(207,950)
<i>Net Income</i>	<b>\$ 578,515</b>	<b>\$ 126,214</b>	<b>\$ 120,637</b>	<b>\$ 825,366</b>

**STOUGHTON UTILITIES**

Rate of Return

Year-to-Date July 31, 2019

	<b>Electric</b>	<b>Water</b>
Operating Income (Regulatory)	\$ 343,139	\$ 251,331
Average Utility Plant in Service	29,470,260	15,667,996
Average Accumulated Depreciation	(13,791,812)	(5,313,437)
Average Materials and Supplies	243,869	39,741
Average Regulatory Liability	(99,724)	(154,030)
Average Customer Advances	(63,295)	-
Average Net Rate Base	\$ 15,759,298	\$ 10,240,270
July 2019 Rate of Return	<b>2.18%</b>	<b>2.45%</b>
July 2018 Rate of Return	<b>3.06%</b>	<b>1.26%</b>
December 2018 Rate of Return	<b>4.99%</b>	<b>3.91%</b>
Authorized Rate of Return	<b>5.00%</b>	<b>5.00%</b>

**STOUGHTON UTILITIES**  
Cash and Investments Summary  
As of July 31, 2019

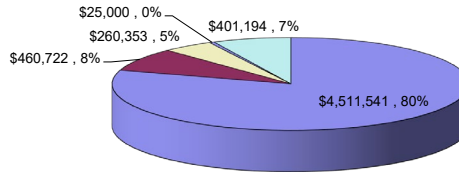
**Electric**

**July 2019**

Unrestricted (3.7 months sales)	\$	4,511,541
Bond Reserve	\$	460,722
Redemption Fund (P&I)	\$	260,353
Depreciation	\$	25,000
Designated	\$	401,194
<b>Total</b>	<b>\$</b>	<b>5,658,810</b>

**Electric Cash - July 2019**

■ Unrestricted (3.7 months sales) ■ Bond Reserve ■ Redemption Fund (P&I) ■ Depreciation ■ Designated



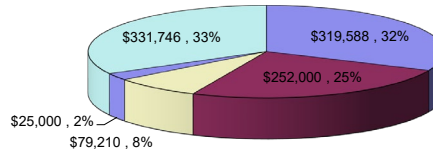
**Water**

**July 2019**

Unrestricted (1.7 months sales)	\$	319,588
Bond Reserve	\$	252,000
Redemption Fund (P&I)	\$	79,210
Depreciation	\$	25,000
Designated	\$	331,746
<b>Total</b>	<b>\$</b>	<b>1,007,544</b>

**Water Cash - July 2019**

■ Unrestricted (1.7 months sales) ■ Bond Reserve ■ Redemption Fund (P&I) ■ Depreciation ■ Designated



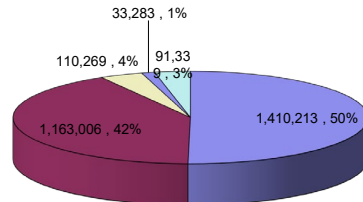
**Wastewater**

**July 2019**

Unrestricted (8.6 months sales)		1,410,213
DNR Replacement		1,163,006
Redemption Fund (P&I)		110,269
Depreciation		33,283
Designated		91,339
<b>Total</b>		<b>2,808,110</b>

**Wastewater Cash - July 2019**

■ Unrestricted (8.6 months sales) ■ DNR Replacement ■ Redemption Fund (P&I) ■ Depreciation ■ Designated



**STOUGHTON UTILITIES**  
**2019 Statistical Worksheet**

<b>Electric</b>	<b>Total Sales 2018 kWh</b>	<b>Total kWh Purchased 2018</b>	<b>Total Sales 2019 kWh</b>	<b>Total kWh Purchased 2019</b>	<b>Demand Peak 2018</b>	<b>Demand Peak 2019</b>
January	12,609,523	13,204,183	12,752,096	13,363,141	24,195	26,165
February	11,167,697	11,394,593	11,560,908	11,896,849	22,984	23,038
March	11,302,081	11,305,664	11,641,186	11,972,418	20,886	23,235
April	10,338,769	10,759,236	10,254,850	10,595,041	19,558	19,359
May	11,809,136	12,169,996	10,504,194	10,786,337	31,336	20,621
June	12,676,500	13,057,295	11,795,758	12,089,761	32,502	29,286
July	14,229,395	14,658,088	15,526,634	16,073,028	32,727	34,354
August						
September						
October						
November						
December						
<b>TOTAL</b>	<b>84,133,101</b>	<b>86,549,055</b>	<b>84,035,626</b>	<b>86,776,575</b>		

<b>Water</b>	<b>Total Sales 2018 Gallons</b>	<b>Total Gallons Pumped 2018</b>	<b>Total Sales 2019 Gallons</b>	<b>Total Gallons Pumped 2019</b>	<b>Max Daily High 2018</b>	<b>Max Daily Highs 2019</b>
January	35,560,000	44,660,000	36,143,000	39,813,000	1,668,000	1,466,000
February	33,594,000	41,438,000	33,948,000	36,797,000	1,711,000	1,443,000
March	36,877,000	40,980,000	36,020,000	38,991,000	1,449,000	1,419,000
April	35,745,000	40,572,000	34,264,000	37,730,000	1,583,000	1,465,000
May	39,058,000	43,612,000	37,645,000	40,546,000	2,087,000	1,557,000
June	39,092,000	44,311,000	38,429,000	43,316,000	1,871,000	2,109,000
July	41,674,000	49,321,000	41,202,000	46,203,000	2,194,000	2,049,000
August						
September						
October						
November						
December						
<b>TOTAL</b>	<b>261,600,000</b>	<b>304,894,000</b>	<b>257,651,000</b>	<b>283,396,000</b>		

<b>Wastewater</b>	<b>Total Sales 2018 Gallons</b>	<b>Total Treated Gallons 2018</b>	<b>Total Sales 2019 Gallons</b>	<b>Total Treated Gallons 2019</b>	<b>Precipitation 2018</b>	<b>Precipitation 2019</b>
January	25,668,000	31,460,000	24,591,000	36,827,000	2.15	3.10
February	23,717,000	30,781,000	23,125,000	33,032,000	3.54	3.19
March	25,915,000	28,544,000	25,549,000	43,136,000	0.75	0.96
April	24,842,000	28,602,000	24,363,000	34,347,000	1.87	3.24
May	27,090,000	34,919,000	25,992,000	42,845,000	8.12	6.37
June	26,393,000	37,405,000	25,984,000	38,913,000	10.50	3.19
July	27,263,000	37,702,000	27,529,000	34,384,000	2.68	4.35
August						
September						
October						
November						
December						
<b>TOTAL</b>	<b>180,888,000</b>	<b>229,413,000</b>	<b>177,133,000</b>	<b>263,484,000</b>	<b>29.61</b>	<b>24.40</b>



# Stoughton Utilities Activities Report

## August 2019

### Director's Report

Jill M. Weiss, P.E.  
Stoughton Utilities Director

August has continued the trend of a busy summer for Stoughton Utilities. Our time is filled with operation and maintenance activities, construction and reconstruction projects, budgetary and capital improvements planning, customer collections, and more. August did not bring many new events, and allowed us to continue our progress on projects from prior months.

**Rate Cases, Budgetary and Capital Improvement Planning:** The Capital Improvements Plan (CIP) and much of the budgeting has been finalized for 2020. As we collaboratively meet to establish the needs of the utility and community, we further recognized the need to review and adjust rates accordingly.

The Stoughton Electric Utility and Stoughton Water Utility are each regulated by the State of Wisconsin Public Service Commission (PSC). As with all of our operations, we must be aligned with the PSC and associated regulations. At the utility's request, the PSC will perform a regulatory rate reviews, balancing the needs of our customers with the needs of the utility to ensure we can provide high and abundant water quality and reliable electricity. Beyond our CIP planning, we must consider how we complete our operational processes and how we maintain the utilities. Therefore, it is vitally important to consider how we are operating and ensure that there is alignment with the PSC for budgeting, hiring, and retention of our team short and long term. With the assistance of Finance Director Friedl, Strand Associates, and WPPI Energy, we are completing the necessary work to plan for and complete upcoming regulatory rate studies for each of our divisions: electric, wastewater and water.

**Developments and Projects:** Even though we are approaching the end of the construction season, we have been working with on both new and on-going developments. We continue to meet with or provide information to the developers of the Redevelopment Authority (RDA) riverfront property, Kettle Park West, Arnett properties, and Dvorak properties. Each of these developments will bring new opportunities for the community and the utility.

We continue to work with TDS on their plans to expand their service area into and throughout the city. The licensing agreement for communications attachments to utility poles has been approved, and are working with them regarding their first phase of boring operations within the public right of way. We received an initial proposal to connect to approximately 1,300 utility poles, and we anticipate receiving the first permit application for pole attachments in September. An analysis of the conditions and capacities of the poles on our system remains to be completed by TDS, and we project that a number of poles may be impacted by the communications project and require upgrading. In anticipation of this work, we are working to publicly bid the project for the poles to be made ready for attachments.

In addition, we have been reviewing potential locations for the telecommunications utility cabinets that will be installed throughout the city, and determining if there are sites that are mutually beneficial. We anticipate that one of the water well sites may be of interest for TDS to locate upon, and agreements will be necessary to protect both the utility and TDS if a utility location is selected.

There are a number of utility infrastructure projects ongoing at various locations throughout the city and across our rural service territory. The streets and utility underground reconstruction project has brought forward some challenges that we continue to work through. The project schedule that was initially planned has been extended again. The significant clearwater inflow issue to the sanitary sewer collection system

on Main Street has been addressed. This work equated to a reduction of approximately 100,000 gallons of clear water to the Wastewater Treatment Plant (5-10% of the flows to the plant).

**Water Quality Sampling:** We are continuing our education and outreach work regarding the lead exceedance. Presentations, press releases, interviews, educational materials and more continue to be provided to the community regarding the importance of eliminating lead from the water system. Our short-term efforts over the last month also included documenting our efforts for DNR. Planning for long-term strategy to eliminate lead in the system continued in August.

**Employee Training:** In the month of August, a few members of our team attended a public speaking training presented by CVMIC. These courses provide myself and others with the necessary skills to better communicate with and educate our customers.

Internally in the Electric System Division, we finalized the first efforts towards proficiency assessments and will be developing more internal training programs for ongoing learning. We will continue to look for more training opportunities to better provide for the professional growth of our personnel and support each of our divisions.

---

## **Technical Operations Division**

Brian R. Hoops  
Assistant Utilities Director

**Customer Payments:** Staff processed 9,038 payments totaling \$2.13 million, including 1,539 checks, 1,673 lockbox payments, 1,248 credit cards, 1,483 *My Account* online payments, 2,208 automated bank withdrawals, 712 direct bank payments, and over \$17,500 in cash.

**Delinquent Collections:** As of August 1, there were 1,703 active accounts carrying delinquent balances totaling \$235,600, and 108 final-billed accounts carrying delinquent balances totaling \$18,500. Of the total amount delinquent, \$35,100 was 30 or more days past due.

- On August 12, we mailed out 10-day notices of pending disconnection to 682 delinquent customers.
- On August 19, we delivered automated phone calls to 449 customers providing a warning of pending electric service disconnection. All customers without a phone number received notices delivered to their home or business.
- On August 20, we delivered automated phone calls to 198 customers providing a final warning of pending electric service disconnection.
- On August 21, we performed seven electric service disconnections due to continued nonpayment. All accounts were reconnected within 24 hours with the exception of one vacant residence.

We ended the month of August with \$35,990 remaining 30 or more days past-due. For comparison, 30+ day delinquencies are 1.5% lower than this time last year (\$36,560).

**Energy Assistance:** No energy assistance (EA) payments were received during the month of August.

The Public Benefits Program ended its seasonal assistance for customers for the 2018-19 heating season on May 1. Crisis funding remains available to eligible customers. Applications for assistance during the 2019-20 heating season will begin to be accepted on October 1.

**Geographic Information System (GIS):** Following the departure of our GIS analyst in late May, current SU staff has picked up where we left off and have assumed responsibility for the day to day GIS tasks.

During the month of August, a new mobile data collection application was created to assist staff in collecting and analyzing water service line material data as we continue to locate lead service lines. Changes and updates were also made to several other water and electric mobile data collection applications. Pole analysis and location data was received from a telecommunications provider and loaded into our system for review and our internal analysis. Ongoing system edits continue as construction projects are completed.



**Lead Water Service Education:** Staff continues to update existing and create new educational materials regarding lead service lines as we seek to keep our customers informed and educated. This information has been publicly presented, is being placed on our website, will become a message on all of our future utility billing statements, and will be included as a printed insert to be distributed with the September billing statements. Printed materials have also been delivered to key sites throughout the city for both public posting as well as community distribution.

**Multi-unit Metering/Billing Review:** Billing & Metering Specialist Erin Goldade continued to work with Operations Specialist Marty Seffens on our ongoing full system review of all multi-unit commercial and residential buildings in our service territory. This review is being conducted to ensure the meters being billed are properly assigned to the corresponding unit.

We have approximately 2,200 multi-unit metering locations on our system, and to date we have verified 82% of these locations, with 1,400 units being verified in the field and 410 verified using clearly distinctive usage patterns.

This review has so far uncovered two locations with meter installation errors resulting in one unit being billed for another unit's consumption. Billing adjustments were made to refund the tenants that overpaid and to attempt to collect from the tenants who underpaid.

Field verifications will continue throughout 2019 and likely into early 2020. Of the units that remain, many are located along historic downtown Main Street, which we anticipate may pose some accessibility challenges.

**Public Power Week Activities:** Each year during the first full week of October, Stoughton Utilities holds a Public Power Week event that highlights the benefits that public power brings to our customers, and to thank them for supporting their locally owned utility.

Staff has begun to plan this year's activities, and new for 2019 will be a family friendly scavenger hunt. Each day during the week, SU will be publishing clues directing participants to a secret Stoughton location. Participating customers that crack the code and photograph themselves next to the location will be entered in daily grand prize drawings.

Clues will be distributed daily on our website and sent to an email mailing list. Sign up for the mailing list by sending an email to [ScavengerHunt@stoughtonutilities.com](mailto:ScavengerHunt@stoughtonutilities.com)

**Residential Customer Incentive Programs:** We continue to market our two primary residential customer incentive programs for 2019.

- 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. These incentive programs will run through November, and details and forms can be found at [stoughtonutilities.com/incentives](http://stoughtonutilities.com/incentives).

**Telecommunications Attachments to Utility Poles:** We completed the negotiations for a new licensing agreement for communications attachments between the City of Stoughton and a national telecommunications provider. This agreement was approved by the Utilities Committee and the Stoughton City Council in August, and has been provided to the telecom for their execution. Initial data from the telecom indicate that they may seek to attach to up to 1,300 of our utility poles in the city of Stoughton and portions of the surrounding rural area.

---

## **Electric Division and Planning Division**

Sean O Grady  
Operations Superintendent

Bryce A. Sime  
Electric System Supervisor

**Electric Distribution Reconstruction Forecasting:** Staff developed a 20-year electric distribution line reconstruction project list that will be used as a guide for future planning. This list also ties into the Distribution/Capacity Reconstruction Projects outlined in our annual Electric CIP.

**Electric Service Installations:** During the month of August we installed five underground services for new construction, two overhead service upgrades, two temporary construction services, and zero service repairs.

**Electric System Trouble Calls:** Electric division staff responded to six trouble calls this month, including one tree contact, one equipment failure, one wildlife contact, a dump truck striking our overhead lines, and the loss of regional transmission supply affecting our West and South substations.

**Jackson Street and Lincoln Avenue Pulverization Project:** The contractor working on this project located several abandoned electric cables and a few energized cables. Unfortunately, the contractor accidentally cut open cables still in service and abandoned cables were exposed and undamaged. Abandoned cables were cut open to provide a visual disconnect for apprehensive contractors working in the area.

The contractor also hit and damaged a street light cable at the intersection of Jackson and Devonshire. This cable was relocated and the light placed back in service.

**Line Clearance Projects:** Crews from our tree trimming contractor closed out our contract this month, completing line clearance along Schneider Drive, US Highway 51 West and East, North Page Street, and Monroe Court.

**Overhead to Underground Reconstruction Projects:** Our underground trenching and boring contractor is in the process of installing a new URD three-phase cable from Milwaukee Street to Fox Prairie School. The new cable provides a loop feed system, two different circuits, and feeds the school, providing increased system reliability and decreasing restoration time in the event of an outage.

The reconstruction project along Sunrise Court, Outlook Court, Hilldale Lane, Pleasant View Drive, and W. Milwaukee Street is nearing completion. As of the end August, 15 of the 18 homes had been connected to the new underground facilities. Once the conversion is fully complete, the existing overhead lines and infrastructure will be removed.

Contractors installed a new URD feeder outside the reconstruction area of the Alliant Energy substation located on East South Street. The existing overhead line is in conflict with a proposed transmission line structure, and approximately 1,500 feet of line was converted to underground. A portion of this project was on an easement through the Kegonsa School property, and we made sure that the project was complete prior to the beginning of the school year. This relocation is refundable by the regional transmission provider completing the transmission line upgrades.

**Overhead Reconstruction Projects:** All of the new poles along State Highway 138 South have been installed, and crews will work to install new conductor in September.

Strategic pole replacements along US Highway 51 continue, focusing on high-stress poles that could potentially fail without warning.

**Transformer Oil Leak:** We received a report of a padmount transformer leaking oil. The transformer was replaced, the wet area excavated and replaced with clean soil and black dirt, seeded, and erosion control matting installed. The required paperwork was filed with the Wisconsin Department of Natural Resources.

**USH 51 Roundabout Projects:** Crews continue to make progress on the new underground lines located between the USH 51 intersections at WI Hwy 138 and Hoel Ave. At this stage we are awaiting the delivery of additional material. Once complete, ten spans of overhead wire and poles will be removed along this portion of highway.

**Vehicle Equipment Warranty Work:** A digger-derrick and a bucket truck both had manufacturer recalls on the fuel heaters and were serviced at the vehicle dealer in Madison.

**Yard Restorations:** Our underground trenching and boring contractor restored truck tire ruts caused by a large piece of equipment that was used to remove a large dying/splitting maple tree located along a rear lot line. This tree, if not removed, could have caused an interruption of electric service to a few thousand customers for several hours had the tree or a limb fall on the line requiring staff to repair downed wires and poles.

---

## **Energy Services Section of the Planning Division**

Cory Neeley

Stoughton Utilities and WPPI Energy Services Representative (ESR)

**Business Efficiency Incentives:** One of our largest customers contacted us to discuss an energy efficiency training seminar that they would like to have their staff attend and the possibility of having the utility assist them in having more of their staff involved in the training.

**Electric Transportation Initiatives:** We are looking into the possibility of developing an electric commuter bus route from Madison to Stoughton. A meeting has been scheduled for mid-September to discuss the initiative with local officials, the City of Madison Metro Transit, and regional economic development agencies.

**Large Customer Luncheon:** We have set an official date for our annual Large Customer Meeting, October 8 at 12:00 p.m. to 1:00 p.m., to be held at the Stoughton Utilities Administration Office. This educational and informational event will be a luncheon where energy efficiency projects, incentives, lending opportunities and utility partnerships will be discussed with Stoughton Utilities' largest electric consumers.

**Municipal Efficiency Incentives:** I have been working to review and analyze the energy consumption data and trends at the new public works facility. As part of this effort, we will be looking to install an AMI meter at the facility to collect more data than we have to date, including daily and hourly trends.

As we look to continue to evaluate the energy consumption at municipal facilities, our ultimate goal is to have all larger municipal facilities outfitted with AMI meters.

**Stoughton Chamber of Commerce:** I attended the August Lunch and Learn, held at Zalk Josephs Fabricators, during which I had the opportunity to talk with several of our largest customers and catch up with the Chamber staff.

---

## **Wastewater Division**

Brian G. Erickson

Stoughton Utilities Wastewater System Supervisor

The wastewater treatment facility processed an average daily flow of 1.248 million gallons with a monthly total of 38.680 million gallons. The total precipitation for the month was 5.72 inches.

**Capital Improvement Planning:** The Wastewater Division's proposed 20-year Capital Improvements Projects (CIP) plan was drafted and finalized. The CIP includes maintenance and major projects for the sanitary sewer collection system as well as the treatment facility.

**Collection System Maintenance:** Staff completed the cleaning and televising of the three river crossings in our collection system, which took us over three weeks to complete. Staff is back cleaning and televising the collection system.

**Lift Station - Barberry:** This pumping station began experiencing issues in July which staff were able to temporarily address without issue. New panel control circuitry was installed in August to complete the repairs and maintain station reliability.

**Employee Cross-Training:** Wastewater Division Staff has begun to cross-train with staff from the Water division. Each week, the employee next on-call will work with the other department to familiarize themselves with utility facilities and operations.

**Plant Maintenance:** Our HVAC contractor completed the replacement of the facility's boiler and a makeup air unit, as well as several other projects, including the replacement of exterior ductwork insulation.

Staff continues to work on various maintenance and repair projects of miscellaneous equipment throughout the plant to maintain operations. Work in August included repairs of a dissolved air flotation (DAF) pump, drain lines, various touchup painting projects, post air issues, the fume hood in the facility's laboratory, and relays for the gravity belt thickener (GBT) system.

**Sanitary Sewer Reconstruction Project:** Replacement of aged sanitary sewer main continues as part of the ongoing streets and utility reconstruction project. The contractor remains several weeks behind schedule; sanitary sewer installation has been completed on Lowell, Monroe, and Main streets. The contractor will next be moving on to Patterson Street as they work to complete the project.

As part of the two-week closure of West Main Street, six manholes and 370 feet of sanitary sewer were replaced as a change order to the project due to high amounts of clearwater infiltration into the collection system. Once completed, we immediately saw a daily reduction of nearly 100,000 gallons of influent flow at the plant; the September month-end reporting will give us a very clear picture of just how beneficial this added work was.

---

## **Water Division**

Kent F. Thompson  
Water System Supervisor

**Annual System Valve Exercising:** Water Operators began our annual program of exercising distribution and hydrant lead auxiliary valves throughout the water system. Regulations require that all valves be periodically exercised; distribution valves are exercised once every two to five years and hydrant auxiliary valves every five to seven years. Through this program, water operators will exercise approximately 1,300 distribution and 700 hydrant lead auxiliary valves.

**Cross-Connection Inspections:** 82 cross-connection compliance checks were conducted during the month of August. A cross-connection is a direct arrangement of a piping line which potentially allows the potable water supply to be connected to a line which could contain a contaminant. During cross-connection compliance checks, water operators identify cross-connections, which the homeowner must have repaired. Approximately 500 cross connection compliance checks are conducted each year.

**Employee Continuing Education:** Two water operators attended the Wisconsin Rural Water Association Outdoor Expo in Plover, WI. This event had hands-on demonstrations of hydrant maintenance and repair, valve maintenance and repair, leak detection, live water main tapping, and much more. There were also classroom sessions on tank operations and maintenance, ice pigging, DNR regulatory updates, and utility management skills.

**Hydrant Maintenance:** Water operators drained, lubricated, and repaired hydrants throughout the distribution system. Hydrants requiring maintenance are identified during our annual system flushing program, and completing this work ensures proper operation during an emergency fire event.

**Meter Replacement:** 82 water meter bodies were replaced in conjunction with the cross-connection compliance checks. In an effort to remove all lead from the publicly owned drinking water system, we are replacing all meter bodies which could contain small amounts of lead with new lead-free bodies.

**Service Leak:** A service leak was suspected in the intersection of Forest and Jefferson Streets. A contractor was brought in to pinpoint the precise location of the leak before staff began to dig, resulting in a shorter service interruption for customers and reduced roadway excavation. The leak was found on an improperly abandoned water service lateral.

Repairs were completed in approximately three hours, with 20 customers experiencing service interruptions and an estimated 131,000 gallons of water loss.

**Water Infrastructure Reconstruction Project:** As part of the ongoing underground utility reconstruction project along South Monroe street, numerous scheduled service interruptions occurred. Interruptions affecting a total of just over 105 customers were facilitated by water operators to allow the reconstruction contractor to safely and efficiently tie the new water main on Monroe Street to the existing water mains on Jefferson and South Streets. An additional service interruption occurred to lower the existing water mains on West Main Street to allow for the installation of a new storm sewer.

---

## **Safety Services Section of the Planning Division**

Andrew Paulson

Stoughton Utilities and Municipal Electric Utilities of Wisconsin Regional Safety Coordinator

### **ACCOMPLISHMENTS**

#### **1. Training**

- a. On hold due to summer construction activities

#### **2. Audits/Inspections**

- a. Field Inspection – Electric – Service upgrade
- b. Field Inspection – Water – Water Main Break (written)
- c. Field Inspection – Wastewater – Flushing sewers
- d. Utility Walkthrough – General Inspection
- e. WWTP Walkthrough – General Inspection
- f. Well Inspections
- g. Lab Inspections
- h. Water Tower Inspections
- i. Inspected Lockout Tagout equipment
- j. Inspected AEDs in trucks and on-site
- k. Inspected first aid kits on trucks and on-site

#### **3. Compliance/Risk Management**

- a. Reviewed Lockout/Tagout Written Program and Operating Procedures
- b. Updated Spill Prevention, Control, and Countermeasure (SPCC) plan
- c. Updated document management system with records
- d. Updated attendance credits for DNR certified employees

### **GOALS AND OBJECTIVES**

#### **1. Training**

- a. Employee training will resume following the summer construction season
  - i. Spill Prevention, Control, and Countermeasures (SPCC)

- ii. Hazard Communication
- iii. Fire Extinguishers

## **2. Audits/Inspections**

- a. Field inspections
- b. Utility walkthrough
- c. WWTP walkthrough
- d. Labs
- e. Wells
- f. Water towers

## **3. Compliance/Risk Management**

- a. Review confined space written program
- b. Update MSDSOnline with new material safety data sheets.
- c. Update MEUW safety document management system.
- d. Organize folders and files

*Regional Safety Coordinator was at Stoughton Utilities on August 6<sup>th</sup>, 13<sup>th</sup>, 20<sup>th</sup>, and 27<sup>th</sup>.*

---

Please visit our website at [www.stoughtonutilities.com](http://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:** September 10, 2019  
**To:** Stoughton Utilities Committee  
**From:** Jill M. Weiss, P.E.  
Stoughton Utilities Director  
**Subject:** Stoughton Utilities Communications

August 16, 2019 Executive Order #38 from the State of Wisconsin Office of the Governor relating to clean energy in Wisconsin, the creation of an Office of Sustainability and Clean Energy, and setting the goal of 100% carbon-free electricity consumption by 2050.

August 26, 2019 Stoughton Wastewater Treatment Plant Laboratory Certification and Scope of Accreditation issued by the State of Wisconsin Department of Natural Resources.

August 27, 2019 Stoughton Utilities press release regarding the \$1,000 donation to St. Vincent de Paul – St. Ann from our RoundUp Program.

September 6, 2019 Stoughton Utilities billing insert regarding our upcoming Public Power Week Scavenger Hunt, to be held October 7-11, 2019.

September 6, 2019 Stoughton Utilities billing insert regarding providing our lead public education program notifying customers that elevated levels of lead were recently found in six homes in the City of Stoughton, and providing educational information and steps customers can take to reduce the lead in their drinking water.



## OFFICE OF THE GOVERNOR

### EXECUTIVE ORDER #38

#### **Relating to Clean Energy in Wisconsin**

**WHEREAS**, climate change poses a serious threat to Wisconsin's natural resources, public health, communities, tourism, and economy;

**WHEREAS**, past research by the Wisconsin Initiative on Climate Change Impacts has shown that by the middle of the century, statewide average annual temperatures are likely to warm by 6 to 7 degrees Fahrenheit, and a recent report from the Union of Concerned Scientists suggests that under the current trajectory, by 2050 Wisconsin could see two weeks per year of dangerous heat – with heat indexes above 100 degrees – analogous to the current climate in states such as Alabama and South Carolina;

**WHEREAS**, increasing instances of extreme weather events like flooding are devastating Wisconsin communities. Research by the Wisconsin Initiative on Climate Change Impacts shows that climate change is likely to cause a general increase in precipitation across the state, with extended dry periods during the summer and flooding during periods of heavy rain;

**WHEREAS**, climate change poses significant threats to communities that lack the resources and geographic mobility to adapt to changes, including pronounced threats to the cultural resources, economic vitality, and human health of Native Nations;

**WHEREAS**, protection of Wisconsin's iconic agricultural, hunting, fishing, and outdoor recreation opportunities remains critical to our heritage, quality of life, economy, and ability to attract and retain businesses in diverse industries;

**WHEREAS**, the air emissions released as a result of fossil fuel combustion cause a wide variety of adverse health impacts including asthma attacks, pneumonia, cardiovascular disease, chronic and acute bronchitis, lower respiratory ailments, upper respiratory ailments, heart attacks, neurological deficits, immune system deficits, and cancer;

**WHEREAS**, Wisconsin sends, on average, more than \$12 billion out of the state each year to import fossil fuels including coal, natural gas, and petroleum;

**WHEREAS**, a transition to a clean energy economy will generate thousands of family-supporting jobs;

**WHEREAS**, Wisconsin is a member of the United States Climate Alliance and has pledged to support the carbon reduction goals of the 2015 Paris Climate Accord; and

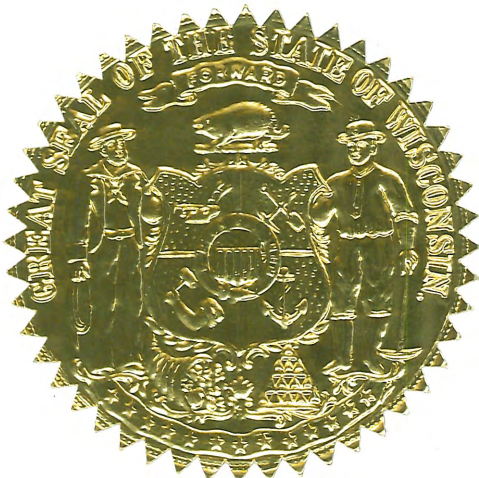
**WHEREAS**, our state has a responsibility to current and future generations of Wisconsinites to act to prevent continuing damage to our climate and to invest in solutions that help to mitigate the changes that have already occurred.



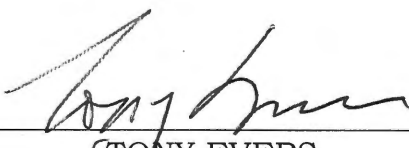
**NOW, THEREFORE, I, TONY EVERS**, Governor of the State of Wisconsin, by the authority vested in me by the Constitution and the Laws of the State, hereby:

1. Order the Department of Administration to create the Office of Sustainability and Clean Energy.
2. The Office of Sustainability and Clean Energy shall be charged with the following:
  - a. In partnership with other state agencies and state utilities, achieve a goal of ensuring all electricity consumed within the State of Wisconsin is 100 percent carbon-free by 2050.
  - b. Ensure the State of Wisconsin is fulfilling the carbon reduction goals of the 2015 Paris Climate Accord.
  - c. Develop a clean energy plan to assist the State of Wisconsin in adapting to and mitigating the harm from climate change by using clean energy resources and technology. The Office of Sustainability and Clean Energy shall coordinate with the Department of Natural Resources, the Department of Transportation, the Public Service Commission, the Department of Agriculture, Trade and Consumer Protection, other state agencies, Native Nations, local governments, utilities, businesses, and other stakeholders to develop and implement the clean energy plan.
  - d. Promote clean energy workforce training, in partnership with the University of Wisconsin System, Wisconsin Technical College System, private and non-profit workforce development programs and labor organizations, and the Wisconsin Manufacturing Extension Partnership.
  - e. Foster innovation, research, and business development within the renewable energy, energy efficiency and sustainability sectors.
  - f. Develop energy efficiency, sustainability and renewable energy standards for all new and existing state facilities, office buildings, and complexes.

**IN TESTIMONY WHEREOF**, I have hereunto set my hand and caused the Great seal of the State of Wisconsin to be affixed. Done at the Capitol in the City of Madison this sixteenth day of August in the year of two thousand nineteen.



By the Governor:

  
\_\_\_\_\_  
TONY EVERS  
Governor

  
\_\_\_\_\_  
DOUGLAS LA FOLLETTE  
Secretary of State

**State of Wisconsin**

DEPARTMENT OF NATURAL RESOURCES  
101 S Webster St  
PO Box 7921  
Madison, WI 53707-7921

Tony Evers, Governor  
Preston D. Cole, Secretary  
Telephone 608-266-2621  
Toll Free 1-888-936-7463  
TTY Access via relay - 711



August 26, 2019

FID: 113003550

MR. BRIAN ERICKSON  
STOUGHTON WASTEWATER TREATMENT PLANT  
700 MANDT PARKWAY  
STOUGHTON, WI 53589

Dear Mr. Brian Erickson:

Enclosed is your new Laboratory Certification or Registration certificate. This certificate supersedes all previous certificates.

YOUR CERTIFICATE IS AN IMPORTANT DOCUMENT. PLEASE REVIEW IT CAREFULLY FOR ERRORS AND COMPARE IT TO YOUR PREVIOUS YEAR'S CERTIFICATE. MAKE SURE THAT THIS CERTIFICATE REFLECTS THE TESTS FOR WHICH YOU APPLIED TO BE CERTIFIED. If you believe your certificate contains errors, contact the Laboratory Certification and Registration Program immediately at (608) 267-7633 or by e-mail at [DNRLabCert@wisconsin.gov](mailto:DNRLabCert@wisconsin.gov).

Sincerely,

Steven Geis, Chief  
Environmental Science Services

State of Wisconsin  
Department of Natural Resources



recognizes

**Wisconsin Registration under NR 149  
of  
Stoughton Wastewater Treatment Plant**

Laboratory Id: **113003550**

as a laboratory licensed to perform environmental sample analysis in support of covered environmental programs (ch. NR149.02 Note) for the parameter(s) specified in the attached Scope of Accreditation.

**August 31, 2020**

Expiration Date

**August 26, 2019**

Issued on



Steven Geis, Chief  
Environmental Science Services

Preston D. Cole Secretary  
Department of Natural Resources

This certificate does not guarantee validity of data generated, but indicates the methodology, equipment, quality control practices, records, and proficiency of the laboratory have been reviewed and found to satisfy the requirements of ch. NR 149, Wis. Adm. Code.

# Scope of Accreditation

**Stoughton Wastewater Treatment Plant**  
**700 Mandt Parkway**  
**Stoughton, WI 53589**

Laboratory Id: **113003550**  
Expiration Date: **08/31/20**  
Issued Date: **08/26/19**

**Wisconsin Registration under NR 149**  
**Matrix: Aqueous (Non-potable Water)**

**Class: General Chemistry**

Ammonia as N *by ISE*

Biochemical Oxygen Demand (BOD) *by 5-d Assay*

Carbonaceous Oxygen Demand (cBOD) *by 5-d Assay*

Phosphorus, Total *by Colorimetry*

Residue, Nonfilterable (TSS) *by Grav*



**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

August 27, 2019

Contact: Jill Weiss, Stoughton Utilities Director

### **Stoughton Utilities RoundUp Program Donates \$1,000 to St. Vincent de Paul – St. Ann**

Stoughton Utilities recently donated \$1,000 to St. Vincent de Paul – St. Ann. This donation is part of Stoughton Utilities' RoundUP program, a voluntary program that 'rounds up' customers' utility bills to the next whole dollar. All proceeds are distributed to local non-profit community organizations.

St. Vincent de Paul – St. Ann helps Stoughton residents who are having a difficult time paying rent and are in danger of eviction. They also assist with utility bills, medical needs, and help some homeless people find warm places to sleep.

Stoughton Utilities began its RoundUP program in 2006 as a way to further assist local non-profit organizations in our community. Over five percent of Stoughton Utilities customers have voluntarily chosen to participate in the program and are continuing the "neighbor helping neighbor" concept that founded Stoughton Utilities over a century ago.

Customers wishing to participate in the RoundUP program, or non-profit organizations requesting to be considered for future donations, may sign up online at [stoughtonutilities.com/roundup](http://stoughtonutilities.com/roundup), or by calling Stoughton Utilities customer service at (608) 873-3379.



###

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



# EXPLORE YOUR COMMUNITY DURING PUBLIC POWER WEEK

OCTOBER 7-11, 2019

**Stoughton Utilities will be celebrating Public Power Week with a family friendly scavenger hunt!** Crack the code using the clues provided. Visit the secret Stoughton location and send us a picture to be entered to win a new grand prize every day! Additional prizes will also be awarded throughout the week to lucky participants.

**Visit our website to sign up for email updates and have the clues sent directly to you!**

## How it works:

- Clues and daily grand prizes will be posted each morning by 9:00 a.m. at **stoughtonutilities.com** and sent to the email mailing list.
- Submit a photo of yourself next to the secret location, along with your name and utility account number, to **scavengerhunt@stoughtonutilities.com** by 9:00 p.m. to be entered into the daily grand prize drawing.
- Must be a Stoughton Utilities customer to win. **For more information visit stoughtonutilities.com.**

## WHAT DOES PUBLIC POWER MEAN FOR YOU?



CUSTOMER-FOCUSED  
HOMETOWN  
SERVICE

NOT-FOR-PROFIT  
AFFORDABLE  
POWER



LOCAL OWNERSHIP  
& CONTROL  
SAFE & RELIABLE  
POWER



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

**stoughtonutilities.com (608) 873-3379**

Shared strength through  WPPI Energy

# LEAD PUBLIC EDUCATION PROGRAM FOR MUNICIPAL WATER SYSTEMS

## ***Important information about lead and your drinking water.***

Stoughton Utilities recently found elevated levels of lead in drinking water in some homes or buildings. Lead can cause serious health problems, especially for pregnant women and young children. Please read this information closely to see what you can do to reduce lead in your drinking water.

## **Health effects of lead**

Lead can cause serious health problems if too much enters your body from drinking water or other sources. It can cause damage to the brain and kidneys, and can interfere with the production of red blood cells that carry oxygen to all parts of your body. The greatest risk of lead exposure is to infants, young children, and pregnant women. Scientists have linked the effects of lead on the brain with lowered IQ in children.

Adults with kidney problems and high blood pressure can be affected more than healthy adults at lower levels of lead. Lead is stored in the bones, and it can be released later in life. During pregnancy, the child receives lead from the mother's bones while in utero, which may affect the child's brain development.

## **Lead in drinking water**

Lead in drinking water, although rarely the sole cause of lead poisoning, can significantly increase a person's total lead exposure, particularly the exposure of infants who drink baby formulas and concentrated juices that are mixed with water. The EPA estimates that drinking water can make up 20% or more of a person's total exposure to lead.

## **Sources of lead in drinking water**

Lead is unusual amongst drinking water contaminants, in that it seldom occurs naturally in water supplies like groundwater, rivers, and lakes. Lead enters drinking water primarily as a result of the corrosion, or wearing away, of materials containing lead in the water distribution system and household plumbing. These materials include lead-based solder used to join copper pipe, brass and chrome plated brass faucets, and in some cases, pipes made of lead that connect your house to the water main (service lines).

In 1986, congress banned the use of lead solder containing greater than 0.2% lead, and restricted the lead content of faucets, pipes and other plumbing materials to 8.0%. When water stands in lead pipes or plumbing systems containing lead for several hours or more, the lead may dissolve into your drinking water. This means the first water drawn from the tap in the morning, or later in the afternoon after returning from work or school, can contain fairly high levels of lead.

## **Steps you can take to reduce exposure to lead in drinking water**

Despite our best efforts to control water corrosivity and remove lead from the water supply, lead levels in some homes or buildings can be high. To find out whether you need to take action in your own home, have your drinking water tested to determine if it contains excessive concentrations of lead. Testing the water is essential because you cannot see, taste or smell lead in drinking water. Some local laboratories that can provide this service are listed at the end of this booklet. For more information on having your water tested, please call Stoughton Utilities at (608) 873-3379.

If a water test indicates that the drinking water drawn from a tap in your home contains lead above 15 ppb, then you should take the following precautions:

- Let the water run from the tap before using it for drinking or cooking any time the water in a faucet has gone unused for more than 6 hours.

The longer water resides in your home's plumbing the more lead it may contain.

Flushing the tap means running the cold water faucet until the water gets noticeably colder, usually about 15–30 seconds. If your house has a lead service line to the water main, you may have to flush the water for a longer time, perhaps one minute, before drinking. Although toilet flushing or showering flushes water through a portion of your home's plumbing system, you still need to flush the water in each faucet before using it for drinking or cooking.

Flushing tap water is a simple and inexpensive measure you can take to protect your family's health. It usually uses less than one or 2 gallons of water and costs less than \$0.93 per month. To conserve water, fill a couple of bottles for drinking water after flushing the tap, and whenever possible use the first flush water to wash the dishes or water the plants.

If you live in a high-rise building, letting the water flow before using it may not work to lessen your risk from lead. The plumbing systems have more, and sometimes larger pipes than smaller buildings. Ask your landlord for help in locating the source of the lead and for advice on reducing the lead level.

- Do not cook with, or drink water from the hot water tap. Hot water can dissolve more lead more quickly than cold water. If you need hot water, draw water from the cold tap and heat it on the stove. Also, note that boiling water does NOT reduce lead levels.
- Remove loose lead solder and debris from the plumbing materials installed in newly constructed homes, or homes in which the plumbing has recently been replaced, by removing the faucet strainers from all taps and running the water from 3 to 5 minutes. Thereafter, periodically remove the strainers and flush out any debris that has accumulated over time.
- If your copper pipes are joined with lead solder that has been installed illegally since it was banned in Wisconsin on September 24, 1984,



notify the plumber who did the work and request that he or she replace the lead solder with lead-free solder. Lead solder looks dull gray, and when scratched with a key looks shiny. In addition, notify the department of natural resources about the violation.

- Determine whether or not the service line that connects your home or apartment to the public water supply is made of lead. The best way to determine if your service line is made of lead is by either hiring a licensed plumber to inspect the line or by contacting the plumbing contractor who installed the line. You can identify the plumbing contractor by checking the city's record of building permits which should be maintained in the files of the City of Stoughton Department of Planning and Development. A licensed plumber can also check to see if your home's plumbing contains lead solder, lead pipes or pipe fittings that contain lead. The public water system that delivers water to your home should also maintain records of the materials located in the distribution system.

If the service line that connects your dwelling to the water main contributes more than 15 ppb to drinking water after our comprehensive treatment program is in place, Stoughton Utilities is required to replace the portion of the line that we own. We are required to provide the owner of the privately-owned portion of the line with information on how to replace their portion of the service line, and offer to replace that portion of the line at the owner's expense.

If we replace only the portion of the line that we own, we are required to notify you in advance and provide you with information on the steps you can take to minimize exposure to any temporary increase in lead levels that may result from the partial replacement, to take a follow-up sample from the line within 72 hours after the partial replacement, and to provide you with the results of that sample within three business days of receiving the results. Acceptable replacement alternatives include copper, steel, iron and plastic pipes.

- Have an electrician check your wiring. If grounding wires from the electrical system are

attached to your pipes, corrosion may be greater. Check with a licensed electrician or your local electrical code to determine if your wiring can be grounded elsewhere. DO NOT attempt to change the wiring yourself because improper grounding can cause electrical shock and fire hazards.

- Replace fixtures that are known to contribute lead to drinking water with "lead-free" fixtures. An amendment to the Safe Drinking Water Act that updates the definition of "lead free", and reduces the amount of lead allowed in some plumbing fixtures became effective in 2014. Products that meet this new definition will be clearly marked as "lead free".

The steps described above will reduce the lead concentrations in your drinking water. However, if a water test indicates that the drinking water coming from your tap contains lead concentrations in excess of 15 ppb after flushing, or after we have completed our actions to minimize lead levels, then you may want to take the following additional measures:

- Purchase or lease a home treatment device. Home treatment devices are limited in that each unit treats only the water that flows from the faucet to which it is connected, and all of the devices require periodic maintenance and replacement. Devices such as reverse osmosis systems or distillers can effectively remove lead from your drinking water.
- Some activated carbon filters may reduce lead levels at the tap, however all lead reduction claims should be investigated. Be sure to check the actual performance of a specific home treatment device before and after installing the unit.
- Purchase bottled water for drinking and cooking.

We are investigating the reason for the elevated lead levels in drinking water, and will take corrective actions, which may include:

- Installing corrosion control treatment
- Removing lead service lines
- Other actions as deemed appropriate

You can consult a variety of sources for additional information. Your family doctor or pediatrician can perform a blood test for lead and provide you with information about the health effects of lead. Wisconsin Department of Health Services at (608) 266-1865 or the Dane County Health Department at (608) 266-4821 can provide you with information about the health effects of lead and how you can have your child's blood tested.

The following is a list of some state approved laboratories in your area that you can call to have your water tested for lead.

Wisconsin State Laboratory of Hygiene  
(800) 442-4618


Northern Lake Service, Inc.  
(715) 478-2777

For more information, call us at (608) 873-3379 or visit our web site at [stoughtonutilities.com](http://stoughtonutilities.com)

For more information on reducing lead exposure around your home or building and the health effects of lead, visit EPA's Web site at <http://www.epa.gov/lead> or contact your health care provider.

---

*I certify that the information and statements contained in this Public Education are true and correct and have been provided to consumers in accordance with the delivery, content, format and deadline requirements of Subchapter II of ch. NR 809, Wis. Adm. Code.*

X   
Signature

---

Jill M. Weiss, P.E.  
Name

---

(608) 873-3379  
Telephone Number

---

Stoughton, WI 53589  
City, State, Zip



**Stoughton Utilities**

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

*Serving Electric, Water & Wastewater Since 1886*

**Date:** September 10, 2019

**To:** Stoughton Utilities Committee

**From:** Jill M. Weiss, 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 August 27, 2019 meeting:

Consent Agenda:

1. Minutes of the July 18, 2019 Regular Utilities Committee Meeting
2. Minutes of the July 18, 2019 Special Joint Meeting of the Utilities Committee and Stoughton Public Works Committee
3. Stoughton Utilities July Payments Due List Report
4. Stoughton Utilities June Financial Summary
5. Stoughton Utilities June Statistical Report

Business:

1. Licensing Agreement for Communications Attachments to Utility Poles Between the City of Stoughton Utilities and TDS Metrocom, LLC



**Stoughton Utilities**

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

*Serving Electric, Water & Wastewater Since 1886*

**Date:** September 10, 2019

**To:** Stoughton Utilities Committee

**From:** Jamin T. Friedl, C.P.A.  
City of Stoughton Director of Finance / Comptroller

Jill M. Weiss, P.E.  
Stoughton Utilities Director

Ryan Wiesen  
City of Stoughton Assistant Director of Finance / City Treasurer

**Subject:** Principles and Considerations of Stoughton Utilities Rate Design

An educational presentation will be made on the utility rate design process, including rate terminology, principle requirements, regulatory considerations, and the timeline of an application for a regulatory rate review.



# Electric Rates

Why we pay what we pay

# Why do we pay what we pay?

- ▶ Stoughton Utilities must charge a fee to customers to recover the cost of:
  - ▶ Depreciation of utility financed capital assets – utility poles, substations, vehicles, transformers, etc. that the utility paid for and did not charge the customers.
  - ▶ Operation and maintenance – staff salaries, purchase power, supplies, etc.
  - ▶ Taxes – PILOT, FICA taxes, etc.
- ▶ Wisconsin municipal utilities are allowed to earn a rate of return on net utility financed plant investment.
  - ▶ Net utility financed plant investment = Utility financed plant – Accumulated depreciation.
  - ▶ Current rates are designed to earn a 5.0% return on the net utility financed plant investment.
  - ▶ This is designed to cover the cost of municipal bond interest plus a small profit.
  - ▶ Incentivizes investment of cash on hand in electrical investment.
  - ▶ Provides a way to pay municipal bond interest as that is not recoverable in electric rates otherwise.

# 2018 Rate of Return – PSC Report

<b>Average Rate Base (a)</b>	<b>Water (b)</b>	<b>Electric (c)</b>
<b>Add Average</b>		
Utility Plant in Service (101.1)		27,556,377
Materials and Supplies		179,899
<b>Less Average</b>		
Reserve for Depreciation (111.1)		13,554,435
Customer Advances for Construction		45,512
Regulatory Liability		121,884
<b>Average Net Rate Base</b>	<b>0</b>	<b>14,014,445</b>
Net Operating Income		699,751
<b>Net Operating Income as a percent of Average Net Rate Base</b>	<b>N/A</b>	<b>4.99%</b>

Not included above:

- Non-operating revenues – Investment and interest income, capital gain on sale of property, etc.
- Non-operating expenses – Interest on municipal bonds, capital losses, etc.
- Operating expenses the PSC prohibits to be collected in rates – Ex, lobbying, utility dividend to city, non-cash pension and OPEB, etc.
- Contributed plant and related expenses and revenues.

# How does the PSC operating income differ than the GAAP operating income?

2018 Operating Income per GAAP	\$ 967,809.00	
Add Depreciation on Contributed Assets	\$ 144,096.00	
Add Pension GASB 68 Expense (Non-cash)	\$ 20,435.00	
Subtract PILOT Taxes	\$ (432,589.00)	
PSC Report Operating Income	\$ 699,751.00	
Note: Utility can recover employer contributions for pension, but accounting principals treat them as an asset and records expense based more on an actuary basis rather than a cash basis.		
PSC = Cash Focus, Accounting = Actuarial Accrual		



# Rate Classes

- Customers are grouped into the following categories
  - Residential
  - General Service
  - Small Power
  - Large Power
  - Industrial Power
  - Street Lighting
- Rates are designed to ensure that one rate class is not excessively subsidizing another rate class
  - Prevents utilities from pushing costs on large industry rather than homeowners or vice versa.
  - Not an exact science.
  - Not designed to spread costs based on use between members of the same class. For example, two homes are charged the same rates even if one home costs the utility more than others.





# PSC Rate Case

- ▶ To change rates, the utility must file an application with the PSC.
  - ▶ The process takes a minimum of 6 months from application to final approval.
- ▶ The utility uses WPPI to assist with filing the application
  - ▶ WPPI has a dedicated staff person that files applications throughout the year for various municipal utilities, so their expertise is valuable. No charge to the utility for this service.
- ▶ There are two main parts of an application
  - ▶ Revenue Requirement
    - ▶ Revenue required to cover operation and maintenance, depreciation on capital investment, and return on average net investment.
  - ▶ Cost of Service study
    - ▶ Seeks to fairly allocate the revenue requirement across the customer classes.



# How do we fund a \$1 million capital asset?

- ▶ Cash on Hand
  - ▶ The \$1 million is repaid back over time in the depreciation charge we are allowed to recover in the rates.
  - ▶ Utility will be able to earn up to 5% on its investment that has not been paid back through depreciation.
  - ▶ 5% > 2.3% bank interest which incentivizes capital investment.
  - ▶ Best option for small dollar projects.
  - ▶ Downside: Reduces cash that might be needed for other purposes. Can be harder to exercise restraint on spending.
- ▶ Borrow It
  - ▶ The \$1 million is paid back over time, generally 10 years but sometimes 20 years.
  - ▶ Principal is funded by the depreciation charged built into customer rates.
  - ▶ However, the depreciation schedule averages about 30 years.
  - ▶ The 5% rate of return provides funding for paying interest on the debt plus a little profit.
  - ▶ Downside: The debt-depreciation term mismatch can cause financing troubles for utilities that are heavily indebted. Not very practical for small dollar projects or minor projects that come up with little notice.
- ▶ Make a developer or customer pay for it.
  - ▶ Often done for projects that specifically benefit a customer or is requested by the customer.
  - ▶ The utility is **not** allow to recover costs or earn a return on the amount the customer pays.
  - ▶ Not practical for projects that benefit the utility as a whole. E.g. Substations, line trucks, etc.
  - ▶ Downside: Cannot earn a return on it. Limited uses.

# Capital Investment Equity Vs Debt

	<u>2014</u>	<u>2015</u>	<u>2016</u>	<u>2017</u>	<u>2018</u>
Net Capital Assets Net of Debt	9,349,914	9,740,384	9,860,679	10,853,462	12,982,855
Net Capital Assets	14,350,749	14,249,247	14,402,176	16,602,295	18,104,407
Net Plant Funded by Equity	65%	68%	68%	65%	72%
Net Plant Funded by Debt	35%	32%	32%	35%	28%

- High equity structure lessens the impact of the debt/depreciation schedule mismatch.

# Rate Terms

- ▶ Kilowatt (kW): 1,000 watts. A watt is a measurement unit of energy.
- ▶ Kilowatt-hour (kWh): An hour of 1,000 watts of energy
  - ▶ A 100 watt street lightbulb running for 10 hours would equate to 1 kWh.
- ▶ Energy Charge: A charge per kilowatt-hour of consumption.
- ▶ Customer Charge: A flat, monthly rate for service.
- ▶ Demand: kW used at a specific time.
- ▶ Demand Charge: A charge per kW of demand measured.
- ▶ Maximum Measured Demand: Highest demand during a time period (15 minutes, etc) in a time period (month, year, etc).
  - ▶ The utility has to provide infrastructure to meet this maximum demand even if it is only used a few times of the year.
- ▶ Load Factor: =  $\text{kwh} / (\text{kw} * 730)$  Note: 730 is average number of hours in a month.



# Rate Terms Continued...

- ▶ **On-Peak Charge:** An energy charge for kWh used during a period of time when the utility experiences its highest city-wide demand
  - ▶ Monday through Friday work day hours
  - ▶ Rate is more expensive than off-peak.
  - ▶ Power producers incur more costs per kWh when energy is consumed at a high rate for a short period of time. This provides a way to recover costs.
- ▶ **Off-Peak Charge:** An energy charge for kWh used during a period of time when the utility experiences its lowest city-wide demand
- ▶ **Power Cost Adjustment Clause:** Utility must charge or refund customers when cost of power varies from a prescribed amount.
  - ▶ Currently, \$.0816 per kWh.
  - ▶ If power costs are higher, you get charged extra. If lower, you get refunded on the utility bill.
  - ▶ Provides a way to account for fluctuating power costs on your bill without having to go the PSC for new rates every month, day, etc.



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

*Serving Electric, Water & Wastewater Since 1886*

**Date:** September 10, 2019

**To:** Stoughton Utilities Committee

**From:** Jill M. Weiss, P.E.  
Stoughton Utilities Director

**Subject:** Change Order No. 2 to the 2019 Street and Utility Construction Project

At the August meeting of the Stoughton Utilities Committee, the Committee approved Change Order No. 1 in the amount of \$96,602.58 to the 2019 Street and Utility Construction contract. This change order was to replace 250 linear feet of aged 8-inch PVC sanitary sewer main on West Main Street, as well as six aged brick sanitary sewer manholes, with the goal of reducing the amount of clearwater entry into the sanitary sewer collection system.

While the street was excavated and the sanitary sewer main exposed to complete this work, it was discovered that the sanitary sewer main on West Main Street east of Prairie Street was 6-inch pipe rather than the expected 8-inch pipe, despite all previous records and investigations indicating it was 8-inch. This pipe was 117 feet in length and located between two manholes planned for replacement as part of the change order. The original plan was to slip line this section of pipe in 2020, however 6-inch sewers are difficult if not impossible to grout and line.

Because this section of main is experiencing significant clearwater entry and requires either replacement or lining, and lining is not a feasible option, it was determined to issue Change Order No. 2 to add the replacement of this 117 feet of pipe on West Main Street east of Prairie Street with new 8-inch sanitary sewer, to be completed during the active closure of West Main Street. The cost of the additional sewer replacement included in the change order is \$23,645.89.

The City of Stoughton Purchasing Policy allows staff to approve project change orders with the approval of the City Finance Director and the Mayor. Prior committee or council approval is not required when such approval would result in a costly delay to the project. When such is the case, as staff has determined that it was for this project due to the existing road closure, the policy directs that the Stoughton Common Council approve the change order prior to submittal of the final project payment.

Accordingly, Stoughton Utilities submitted Change Order No. 2 to the 2019 Street and Utility Construction contract in the amount of \$23,645.89. It is requested that the Stoughton Utilities Committee review and approve this change order, and recommend approval to the Stoughton Common Council.

September 9, 2019

CHANGE ORDER NO. 2

PROJECT: 2019 Street and Utility Construction  
OWNER: City of Stoughton  
CONTRACT: Contract 1-2019  
CONTRACTOR: Advance Construction, Inc.

**Description of Change**

1a	Replace 120 linear feet of 8-inch PVC sanitary sewer on Main Street east of Prairie Street. Cost includes local traffic control, connections to existing laterals, bypass pumping, dewatering, granular backfill, and a minimum of 12 inches of base course. Manholes are to be paid separately. All work to be completed within the Milestone 1 requirements of the Contract.	ADD	\$13,230.00
1b	Asphalt pavement patch for 120 linear feet of sanitary sewer replacement on Main Street east of Prairie Street. Cost includes sawcutting and a minimum of 5 inches of asphalt pavement. All work to be completed within the Milestone 1 requirements of the Contract.	ADD	\$10,415.89
TOTAL VALUE OF THIS CHANGE ORDER:		ADD	\$23,645.89

**Contract Price Adjustment**

Original Contract Price	\$3,017,395.50
Previous Change Order Adjustments	\$96,602.58
Adjustment in Contract Price this Change Order	\$23,645.89
Current Contract Price including this Change Order	\$3,137,643.97

**Contract Substantial Completion Date Adjustment**

Original Contract Substantial Completion Date	September 27, 2019
Contract Substantial Completion Date Adjustments due to previous Change Orders	None
Contract Substantial Completion Date Adjustments due to this Change Order	None
Current Substantial Contract Completion Dates including all Change Orders	September 27, 2019

**Contract Final Completion Date Adjustment**

Original Contract Final Completion Date	September 27, 2019
Contract Final Completion Date Adjustments due to previous Change Orders	None
Contract Final Completion Date Adjustments due to this Change Order	None
Current Final Contract Completion Dates including all Change Orders	September 27, 2019

This document shall become a supplement to the Contract and all provisions will apply hereto.

**RECOMMENDED**

\_\_\_\_\_  
ENGINEER–Strand Associates, Inc.® Date \_\_\_\_\_

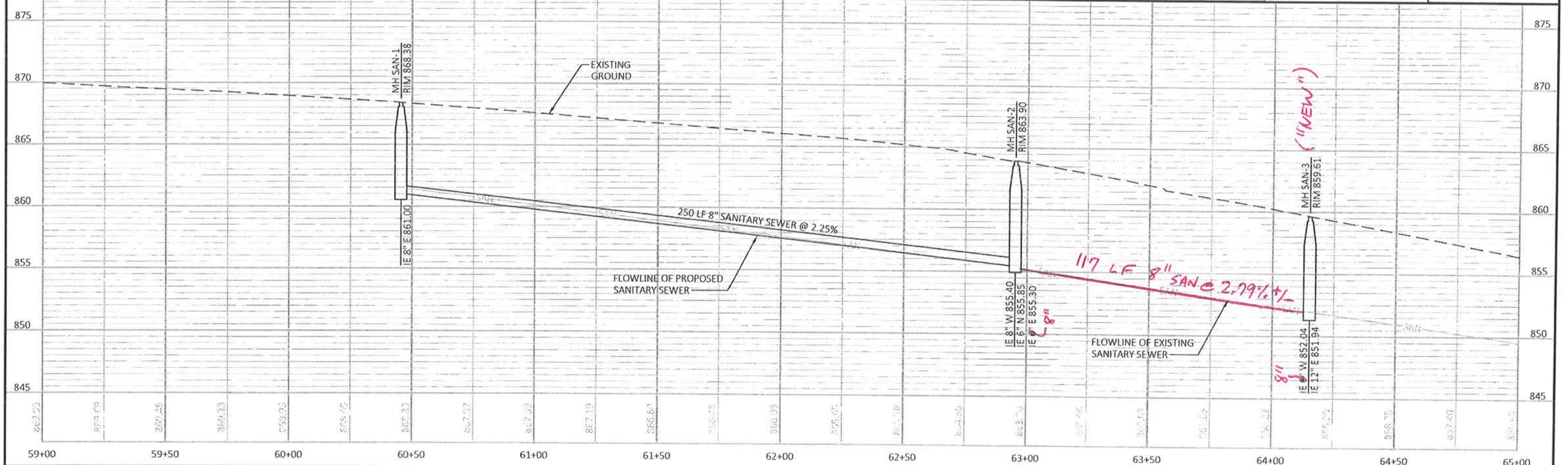
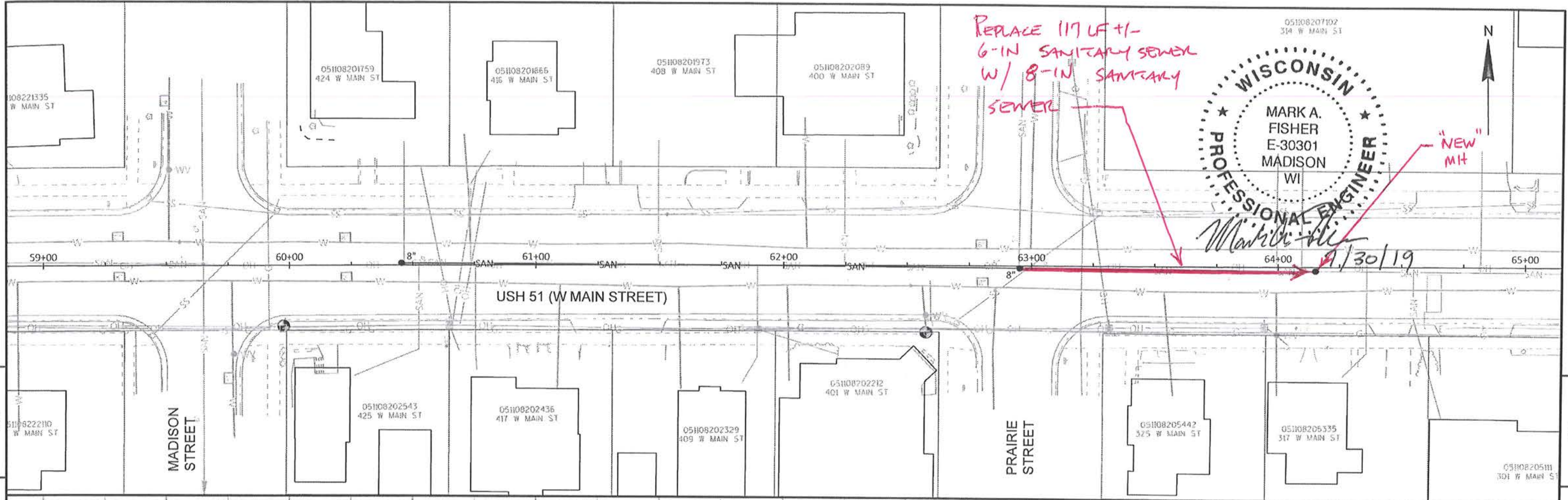
**APPROVED**

\_\_\_\_\_  
CONTRACTOR–Advance Construction, Inc. Date \_\_\_\_\_

**APPROVED**

\_\_\_\_\_  
OWNER–City of Stoughton Date \_\_\_\_\_





PROJECT NO: XXXX-XX-XX	HWY: USH 51	COUNTY: DANE	PLAN AND PROFILE: USH 51 (W MAIN STREET)	SHEET: E
------------------------	-------------	--------------	--	----------



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

*Serving Electric, Water & Wastewater Since 1886*

**Date:** September 10, 2019

**To:** Stoughton Utilities Committee

**From:** Jamin T. Friedl, C.P.A.  
City of Stoughton Director of Finance / Comptroller

Jill M. Weiss, P.E.  
Stoughton Utilities Director

**Subject:** Stoughton Utilities 2019 Waterworks Revenue Bonds Issuance

A review of our upcoming capital projects confirms the appropriateness of a 2019 Waterworks Revenue Bond Issue in the approximate amount of \$1,900,000. The proceeds will be used to pay for all costs related to 2019 and 2020 water infrastructure projects including but not limited to engineering, legal, construction, etc., and lead meter replacement, lead service replacement, water system study and water service truck #23 replacement.

It is requested that the Stoughton Utilities Committee approve and recommend that staff proceed with preparations for a 2019 Waterworks Revenue Bond Issue of approximately \$1.900 million, and recommend approval to the Stoughton Finance Committee and Stoughton Common Council.

Resolution No. \_\_\_\_\_

RESOLUTION PROVIDING FOR THE SALE OF APPROXIMATELY  
\$1,900,000 WATERWORKS SYSTEM MORTGAGE REVENUE BONDS

WHEREAS, the City of Stoughton, Dane County, Wisconsin (the "City") is presently in need of approximately \$1,900,000 for the public purpose of financing improvements to the City's Waterworks System (the "System"); and

WHEREAS, it is desirable to borrow said funds through the issuance of waterworks system revenue bonds pursuant to Section 66.0621, Wis. Stats.

NOW, THEREFORE, BE IT RESOLVED by the Common Council of the City that:

Section 1. Issuance of the Bonds. The City shall issue its Waterworks System Mortgage Revenue Bonds (the "Bonds") in an amount of approximately \$1,900,000 for the purpose above specified.

Section 2. Sale of the Bonds. The Common Council hereby authorizes and directs that the Bonds be offered for public sale. At a subsequent meeting, the Common Council shall consider such bids for the Bonds as may have been received and take action thereon.

Section 3. Notice of Sale. The City Clerk (in consultation with the City's financial advisor, Ehlers & Associates, Inc. ("Ehlers")) is hereby authorized and directed to cause the sale of the Bonds to be publicized at such times and in such manner as the City Clerk may determine and to cause copies of a complete Notice of Sale and other pertinent data to be forwarded to interested bidders as the City Clerk may determine.

Section 4. Official Statement. The City Clerk (in consultation with Ehlers) shall also cause an Official Statement to be prepared and distributed. The appropriate City officials shall determine when the Official Statement is final for purposes of Securities and Exchange Commission Rule 15c2-12 and shall certify said Statement, such certification to constitute full authorization of such Statement under this resolution.

Adopted, approved and recorded September 10, 2019.

\_\_\_\_\_  
Tim B. Swadley  
Mayor

ATTEST:

\_\_\_\_\_  
Holly Licht  
City Clerk

(SEAL)

September 10, 2019

Pre-Sale Report for

City of Stoughton, Wisconsin

\$1,900,000 Waterworks System Revenue Bonds,  
Series 2019B

# Stoughton *Wisconsin*

**Prepared by:**

David Ferris, CPA  
Municipal Advisor

Philip Cosson, CIPMA  
Senior Municipal Advisor

## Executive Summary of Proposed Debt

Proposed Issue:	\$1,900,000 Waterworks System Revenue Bonds, Series 2019B
Purposes:	The proposed issue includes financing for the following purposes: <ul style="list-style-type: none"> <li>• 2019 and 2020 water system capital improvements</li> </ul>
Authority:	The Bonds are being issued pursuant to Wisconsin Statute(s): <ul style="list-style-type: none"> <li>• 66.0621</li> </ul> <p>The Bonds are not general obligations of the City but are payable only from and secured by a pledge of income and revenue to be derived from the operation of the Water System.</p>
Term/Call Feature:	The Bonds are being issued for a term of 15 years. Principal on the Bonds will be due on May 1 in the years 2020 through 2034. Interest is payable every six months beginning May 1, 2020.
	The Bonds will be subject to prepayment at the discretion of the City on May 1, 2027 or any date thereafter.
Bank Qualification:	Because the City is expecting to issue no more than \$10,000,000 in tax exempt debt during the calendar year, the City will be able to designate the Bonds as “bank qualified” obligations. Bank qualified status broadens the market for the Bonds, which can result in lower interest rates.
Rating:	The City’s most recent bond issues were rated by Moody’s Investors Service. The current ratings on those bonds are “A1”. The City will request a new rating for the Bonds.
	If the winning bidder on the Bonds elects to purchase bond insurance, the rating for the issue may be higher than the City's bond rating in the event that the bond rating of the insurer is higher than that of the City.
Basis for Recommendation:	Based on our knowledge of your situation, your objectives communicated to us, our advisory relationship as well as characteristics of various municipal financing options, we are recommending the issuance of Bonds as a suitable option based on: <ul style="list-style-type: none"> <li>• Net system revenues available for debt service that provide sufficient coverage for the estimated principal and interest payments of the proposed Bonds and existing parity debt.</li> <li>• The City’s past practice of using revenue bonds to finance enterprise system improvements.</li> </ul>

<p><b>Method of Sale/Placement:</b></p>	<p>We will solicit competitive bids for the purchase of the Bonds from underwriters and banks.</p> <p>We will include an allowance for discount bidding in the terms of the issue. The discount is treated as an interest item and provides the underwriter with all or a portion of their compensation in the transaction.</p> <p>If the Bonds are purchased at a price greater than the minimum bid amount (maximum discount), the unused allowance may be used to reduce your borrowing amount.</p>
<p><b>Premium Pricing:</b></p>	<p>In some cases, investors in municipal bonds prefer “premium” pricing structures. A premium is achieved when the coupon for any maturity (the interest rate paid by the issuer) exceeds the yield to the investor, resulting in a price paid that is greater than the face value of the bonds. The sum of the amounts paid in excess of face value is considered “reoffering premium.” The underwriter of the bonds will retain a portion of this reoffering premium as their compensation (or “discount”) but will pay the remainder of the premium to the City.</p> <p>For this issue of Bonds, any premium amount received may: be retained; used to reduce the issue size; or combination thereof. These adjustments may slightly change the true interest cost of the original bid, either up or down. We anticipate using any premium amounts received to reduce the issue size.</p> <p>The amount of premium allowed can be restricted in the bid specifications. Restrictions on premium may result in fewer bids, but may also eliminate large adjustments on the day of sale and unintended results with respect to debt service payment impacts. Ehlers will identify appropriate premium restrictions for the Bonds intended to achieve the City’s objectives for this financing.</p>
<p><b>Other Considerations:</b></p>	<p>The Bonds will be offered with the option of the successful bidder utilizing a term bond structure. By offering underwriters the option to “term up” some of the maturities at the time of the sale, it gives them more flexibility in finding a market for your Bonds. This makes your issue more marketable, which can result in lower borrowing costs. In the event that the successful bidder utilizes a term bond structure, we recommend the City retain a paying agent to handle responsibility for processing mandatory redemption/call notices associated with term bonds.</p>
<p><b>Review of Existing Debt:</b></p>	<p>We have reviewed all outstanding indebtedness for the City and find that there are no refunding opportunities at this time.</p> <p>We will continue to monitor the market and the call dates for the City’s outstanding debt and will alert you to any future refunding opportunities.</p>

<p>Continuing Disclosure:</p>	<p>Because the City has more than \$10,000,000 in outstanding debt (including this issue) and this issue is over \$1,000,000, the City will be agreeing to provide certain updated Annual Financial Information and its Audited Financial Statement annually, as well as providing notices of the occurrence of certain reportable events to the Municipal Securities Rulemaking Board (the “MSRB”), as required by rules of the Securities and Exchange Commission (SEC). The City is already obligated to provide such reports for its existing bonds, and has contracted with Ehlers to prepare and file the reports.</p>
<p>Arbitrage Monitoring:</p>	<p>Because the Bonds tax-exempt obligations, the City must ensure compliance with certain Internal Revenue Service (IRS) rules throughout the life of the issue. These rules apply to all gross proceeds of the issue, including initial bond proceeds and investment earnings in construction, escrow, debt service, and any reserve funds. How issuers spend bond proceeds and how they track interest earnings on funds (arbitrage/yield restriction compliance) are common subjects of IRS inquiries. Your specific responsibilities will be detailed in the Tax Exemption Certificate prepared by your Bond Attorney and provided at closing. We recommend that you regularly monitor compliance with these rules and/or retain the services of a qualified firm to assist you. We also recommend that you establish written procedures regarding compliance with IRS rules.</p>
<p>Investment of and Accounting for Proceeds:</p>	<p>In order to more efficiently segregate funds for this project and maximize interest earnings, we recommend using an investment advisor, to assist with the investment of bond proceeds until they are needed to pay project costs. Ehlers Investment Partners, a subsidiary of Ehlers and registered investment advisor, is available to discuss an appropriate investment strategy with the City.</p>
<p>Risk Factors:</p>	<p><b>Utility Revenue:</b> The City expects to pay the Bond debt service with:</p> <ul style="list-style-type: none"> <li>• Water Revenues</li> </ul> <p>In the event utility revenues are insufficient to pay debt service, the Common Council is committing to consider appropriating funds from any other available sources in an amount sufficient to cover the shortfall. If it chooses to do so, the City may levy a tax to make up a shortfall. Any amount levied for this purpose is exempted from levy limits. While the City is not required to appropriate the funds necessary to remedy any shortfall in revenues needed to pay debt service, failure to do so would result in either a lack of access to capital markets in the future, or access at a substantially higher cost.</p>

<p>Other Service Providers:</p>	<p>This debt issuance will require the engagement of other public finance service providers. This section identifies those other service providers, so Ehlers can coordinate their engagement on your behalf. Where you have previously used a particular firm to provide a service, we have assumed that you will continue that relationship. For services you have not previously required, we have identified a service provider. Fees charged by these service providers will be paid from proceeds of the obligation, unless you notify us that you wish to pay them from other sources. Our pre-sale bond sizing includes a good faith estimate of these fees, but the final fees may vary. If you have any questions pertaining to the identified service providers or their role, or if you would like to use a different service provider for any of the listed services please contact us.</p> <p><b>Bond Counsel:</b> Quarles &amp; Brady LLP</p> <p><b>Paying Agent:</b> Bond Trust Services if there are Term Bonds</p> <p><b>Rating Agency:</b> Moody's Investors Service, Inc.</p>
---------------------------------	---



## Proposed Debt Issuance Schedule

Pre-Sale Review by Common Council:	September 10, 2019
Due Diligence Call to review Official Statement:	To be determined
Distribute Official Statement:	Week of October 14, 2019
Conference with Rating Agency:	To be determined
Common Council Meeting to Award Sale of the Bonds:	October 22, 2019
Estimated Closing Date:	November 14, 2019

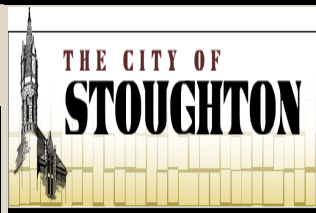
## Attachments

Estimated Sources and Uses of Funds  
Project Listing  
Estimated Proposed Debt Service Schedule  
Bond Buyer Index

## Ehlers Contacts

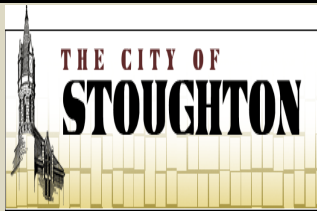
Municipal Advisors:	David Ferris	(262) 796-6194
	Philip Cosson	(262) 796-6161
Disclosure Coordinator:	Peter Curtin	(262) 796-6187
Financial Analyst:	Kathy Myers	(262) 796-6177

The Preliminary Official Statement for this financing will be sent to the Common Council at their home or email address for review prior to the sale date.



## Water Utility Capital Financing Plan & Sizing

	<u>Preliminary</u>
<b>Projects</b>	
Water	
<i>Water System Projects - 2019</i>	1,044,600
<i>Water System Projects - 2020</i>	693,400
<b>Project Needs</b>	1,738,000
<b>Debt Service Reserve</b>	
New Debt Service Reserve Requirement	344,852
Transfer from Prior Issue Debt Service Reserve funds	(252,000)
Additional Debt Service Requirement Needs	92,852
<b>Issuance Expenses</b>	
Municipal Advisor	18,960
Bond Counsel	11,000
Disclosure Counsel	6,600
Paying Agent If terms	850
Rating	13,000
Underwriter Fees	23,750
	74,160
<b>Total Funds Needed</b>	1,905,012
Less Interest	(8,690)
Rounding	3,678
<b>Size of Issue</b>	<b>1,900,000</b>



## Water Utility Capital Projects – 2019 - 2020

Description	Funding Source	2019	2020
2019-2024 Main Replace Engineering	Revenue Bonds	117,500	61,000
2019 Main replace - Monroe: Main to Lowell	Revenue Bonds	386,000	-
2019 Main replace - Monroe: Main to Patterson	Revenue Bonds	71,000	-
2019 Main replace - Lowell: Monroe to Page	Revenue Bonds	259,300	-
2019 Main replace - Patterson	Revenue Bonds	149,800	-
2020 Main replace-Grant: Prospect to Taft	Revenue Bonds	-	77,000
2020 Main replace- Prospect: Page to Mckinley (O)	Revenue Bonds	-	323,000
2020 Hydrant replace - Roby Road	Revenue Bonds	-	20,000
Chemicals	Utility Reserve	18,000	20,000
Generator Testing - Wells 5 & 7, Tower II	Utility Reserve	1,500	3,000
Large Meter Replacements	Revenue Bonds	28,000	25,000
Large meter testing	Utility Reserve	-	6,000
Lead Service Replacements	Revenue Bonds	8,000	75,000
Meters - New and Replacements	Revenue Bonds	25,000	26,500
Seal Coat Driveways	Utility Reserve	-	2,500
Water Service Truck #23 (2010)	Revenue Bonds	-	35,000
Water System Study	Revenue Bonds	-	30,000
Water Valve Adjustments For Street Dept. Projects	Utility Reserve	8,000	-
Water Valve Adjustments For Street Dept. Projects	Revenue Bonds	-	20,900
WDNR Regulations Samples	Utility Reserve	15,000	15,000
		<b>\$ 1,087,100</b>	<b>\$ 739,900</b>
		<b>2019</b>	<b>2020</b>
	Revenue Bonds	\$ 1,044,600	\$ 693,400
	Utility Reserve	42,500	46,500
		<b>\$ 1,087,100</b>	<b>\$ 739,900</b>



## Water Utility Capital Financing Plan & Sizing

YEAR	System Revenues		Debt Service							Coverage Ratios		YEAR		
	Total	Net	Existing Debt			Water Utility Revenue Bond, Series 2019A				Total Payments	Debt		Capacity	
			Principal	Interest	Total	Principal	Rates	Interest	Total					
2019	2,121,101	747,553	314,173	40,257	354,430						354,430	2.11	580,011	2019
2020	2,121,101	747,553	339,952	35,760	375,711	110,000	1.42%	37,434	147,434	523,145	1.43	411,296	2020	
2021	2,121,101	747,553	335,751	30,735	366,486	110,000	1.46%	37,282	147,282	513,768	1.46	420,674	2021	
2022	2,121,101	747,553	326,571	25,415	351,986	115,000	1.55%	35,587	150,587	502,573	1.49	431,868	2022	
2023	2,121,101	747,553	352,414	19,560	371,974	115,000	1.67%	33,736	148,736	520,709	1.44	413,732	2023	
2024	2,121,101	747,553	168,278	14,714	182,992	120,000	1.79%	31,702	151,702	334,694	2.23	599,747	2024	
2025	2,121,101	747,553	174,166	10,720	184,886	120,000	1.93%	29,470	149,470	334,356	2.24	600,086	2025	
2026	2,121,101	747,553	180,078	5,890	185,967	120,000	2.04%	27,088	147,088	333,055	2.24	601,386	2026	
2027	2,121,101	747,553	36,014	2,960	38,974	125,000	2.11%	24,545	149,545	188,518	3.97	745,923	2027	
2028	2,121,101	747,553	36,974	1,999	38,974	130,000	2.18%	21,809	151,809	190,783	3.92	743,659	2028	
2029	2,121,101	747,553	37,961	1,013	38,974	130,000	2.26%	18,923	148,923	187,897	3.98	746,545	2029	
2030	2,121,101	747,553			0	135,000	2.34%	15,875	150,875	150,875	4.95	783,567	2030	
2031	2,121,101	747,553			0	135,000	2.40%	12,675	147,675	147,675	5.06	786,766	2031	
2032	2,121,101	747,553			0	140,000	2.48%	9,319	149,319	149,319	5.01	785,122	2032	
2033	2,121,101	747,553			0	145,000	2.54%	5,742	150,742	150,742	4.96	783,700	2033	
2034	2,121,101	747,553			0	150,000	2.60%	1,950	151,950	151,950	4.92	782,491	2034	
			<b>2,302,332</b>	<b>189,023</b>	<b>2,491,355</b>	<b>1,900,000</b>		<b>343,134</b>	<b>2,243,134</b>	<b>4,734,488</b>				

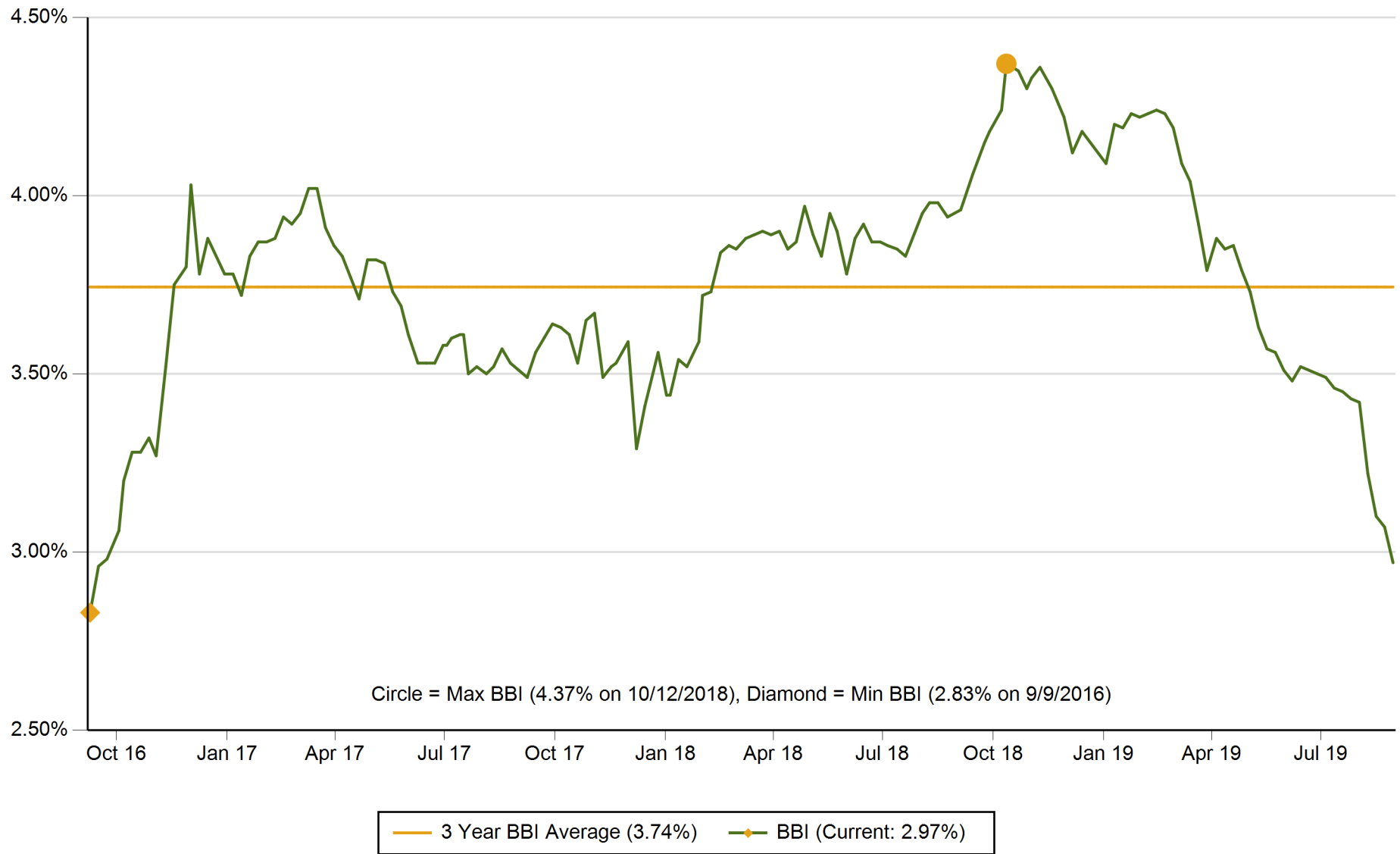
**NOTES:**

Rates based upon 8/26/19 sale of A- rated Water/Sewer Revenue Bond + 0.25.

<sup>1</sup>Total system revenues available for debt service is based upon the 2018 audit.

# 3 YEAR TREND IN MUNICIPAL BOND INDICES

## Weekly Rates September, 2016 - September, 2019



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

# City of Stoughton, WI

\$1,900,000 Waterworks System Revenue Bonds, Series 2019B

SINGLE PURPOSE

Dated November 14, 2019 Assumes BVAL A- Rev Scale 8/26/19 + .25

## Sources & Uses

Dated 11/14/2019 | Delivered 11/14/2019

### Sources Of Funds

Par Amount of Bonds	\$1,900,000.00
Transfers from Prior Issue DSR Funds	252,000.00
Est. Int. Earnings @ 2.0@ for 3 mos	8,690.00
<b>Total Sources</b>	<b>\$2,160,690.00</b>

### Uses Of Funds

Total Underwriter's Discount (1.250%)	23,750.00
Financial Advisor	18,960.00
Disclosure Counsel	6,600.00
Bond Counsel	11,000.00
Paying Agent	850.00
Rating Agency Fee	13,000.00
Deposit to Debt Service Reserve Fund (DSRF)	344,852.02
Deposit to Project Construction Fund	1,738,000.00
Rounding Amount	3,677.98
<b>Total Uses</b>	<b>\$2,160,690.00</b>

# City of Stoughton, WI

\$1,900,000 Waterworks System Revenue Bonds, Series 2019B

SINGLE PURPOSE

Dated November 14, 2019 Assumes BVAL A- Rev Scale 8/26/19 + .25

## Debt Service Schedule

Date	Principal	Coupon	Interest	Total P+	Fiscal Total
11/14/2019	-	-	-	-	-
05/01/2020	110,000.00	1.420%	18,391.57	128,391.57	-
11/01/2020	-	-	19,042.25	19,042.25	147,433.82
05/01/2021	110,000.00	1.460%	19,042.25	129,042.25	-
11/01/2021	-	-	18,239.25	18,239.25	147,281.50
05/01/2022	115,000.00	1.550%	18,239.25	133,239.25	-
11/01/2022	-	-	17,348.00	17,348.00	150,587.25
05/01/2023	115,000.00	1.670%	17,348.00	132,348.00	-
11/01/2023	-	-	16,387.75	16,387.75	148,735.75
05/01/2024	120,000.00	1.790%	16,387.75	136,387.75	-
11/01/2024	-	-	15,313.75	15,313.75	151,701.50
05/01/2025	120,000.00	1.930%	15,313.75	135,313.75	-
11/01/2025	-	-	14,155.75	14,155.75	149,469.50
05/01/2026	120,000.00	2.040%	14,155.75	134,155.75	-
11/01/2026	-	-	12,931.75	12,931.75	147,087.50
05/01/2027	125,000.00	2.110%	12,931.75	137,931.75	-
11/01/2027	-	-	11,613.00	11,613.00	149,544.75
05/01/2028	130,000.00	2.180%	11,613.00	141,613.00	-
11/01/2028	-	-	10,196.00	10,196.00	151,809.00
05/01/2029	130,000.00	2.260%	10,196.00	140,196.00	-
11/01/2029	-	-	8,727.00	8,727.00	148,923.00
05/01/2030	135,000.00	2.340%	8,727.00	143,727.00	-
11/01/2030	-	-	7,147.50	7,147.50	150,874.50
05/01/2031	135,000.00	2.400%	7,147.50	142,147.50	-
11/01/2031	-	-	5,527.50	5,527.50	147,675.00
05/01/2032	140,000.00	2.480%	5,527.50	145,527.50	-
11/01/2032	-	-	3,791.50	3,791.50	149,319.00
05/01/2033	145,000.00	2.540%	3,791.50	148,791.50	-
11/01/2033	-	-	1,950.00	1,950.00	150,741.50
05/01/2034	150,000.00	2.600%	1,950.00	151,950.00	-
11/01/2034	-	-	-	-	151,950.00
<b>Total</b>	<b>\$1,900,000.00</b>	<b>-</b>	<b>\$343,133.57</b>	<b>\$2,243,133.57</b>	<b>-</b>

## Yield Statistics

Bond Year Dollars	\$14,951.39
Average Life	7.869 Years
Average Coupon	2.2949946%
Net Interest Cost (NIC)	2.4538427%
True Interest Cost (TIC)	2.4640087%
Bond Yield for Arbitrage Purposes	2.2843168%
All Inclusive Cost (AIC)	2.8564956%

## IRS Form 8038

Net Interest Cost	2.2949946%
Weighted Average Maturity	7.869 Years

# City of Stoughton, WI

\$1,900,000 Waterworks System Revenue Bonds, Series 2019B

SINGLE PURPOSE

Dated November 14, 2019 Assumes BVAL A- Rev Scale 8/26/19 + .25

## Net Debt Service Schedule

Date	Principal	Coupon	Interest	Total P+I	Existing D/S	Net New D/S	Fiscal Total
11/14/2019	-	-	-	-	-	-	-
05/01/2020	110,000.00	1.420%	18,391.57	128,391.57	324,337.50	452,729.07	-
11/01/2020	-	-	19,042.25	19,042.25	12,400.00	31,442.25	484,171.32
05/01/2021	110,000.00	1.460%	19,042.25	129,042.25	317,400.00	446,442.25	-
11/01/2021	-	-	18,239.25	18,239.25	10,112.50	28,351.75	474,794.00
05/01/2022	115,000.00	1.550%	18,239.25	133,239.25	305,112.50	438,351.75	-
11/01/2022	-	-	17,348.00	17,348.00	7,900.00	25,248.00	463,599.75
05/01/2023	115,000.00	1.670%	17,348.00	132,348.00	327,900.00	460,248.00	-
11/01/2023	-	-	16,387.75	16,387.75	5,100.00	21,487.75	481,735.75
05/01/2024	120,000.00	1.790%	16,387.75	136,387.75	140,100.00	276,487.75	-
11/01/2024	-	-	15,313.75	15,313.75	3,918.75	19,232.50	295,720.25
05/01/2025	120,000.00	1.930%	15,313.75	135,313.75	143,918.75	279,232.50	-
11/01/2025	-	-	14,155.75	14,155.75	1,993.75	16,149.50	295,382.00
05/01/2026	120,000.00	2.040%	14,155.75	134,155.75	146,993.75	281,149.50	-
11/01/2026	-	-	12,931.75	12,931.75	-	12,931.75	294,081.25
05/01/2027	125,000.00	2.110%	12,931.75	137,931.75	-	137,931.75	-
11/01/2027	-	-	11,613.00	11,613.00	-	11,613.00	149,544.75
05/01/2028	130,000.00	2.180%	11,613.00	141,613.00	-	141,613.00	-
11/01/2028	-	-	10,196.00	10,196.00	-	10,196.00	151,809.00
05/01/2029	130,000.00	2.260%	10,196.00	140,196.00	-	140,196.00	-
11/01/2029	-	-	8,727.00	8,727.00	-	8,727.00	148,923.00
05/01/2030	135,000.00	2.340%	8,727.00	143,727.00	-	143,727.00	-
11/01/2030	-	-	7,147.50	7,147.50	-	7,147.50	150,874.50
05/01/2031	135,000.00	2.400%	7,147.50	142,147.50	-	142,147.50	-
11/01/2031	-	-	5,527.50	5,527.50	-	5,527.50	147,675.00
05/01/2032	140,000.00	2.480%	5,527.50	145,527.50	-	145,527.50	-
11/01/2032	-	-	3,791.50	3,791.50	-	3,791.50	149,319.00
05/01/2033	145,000.00	2.540%	3,791.50	148,791.50	-	148,791.50	-
11/01/2033	-	-	1,950.00	1,950.00	-	1,950.00	150,741.50
05/01/2034	150,000.00	2.600%	1,950.00	151,950.00	-	151,950.00	-
11/01/2034	-	-	-	-	-	-	151,950.00
<b>Total</b>	<b>\$1,900,000.00</b>	<b>-</b>	<b>\$343,133.57</b>	<b>\$2,243,133.57</b>	<b>\$1,747,187.50</b>	<b>\$3,990,321.07</b>	<b>-</b>



# City of Stoughton, WI

\$1,900,000 Waterworks System Revenue Bonds, Series 2019B

SINGLE PURPOSE

Dated November 14, 2019 Assumes BVAL A- Rev Scale 8/26/19 + .25

## Pricing Summary

Maturity	Type of Bond	Coupon	Yield	Maturity Value	Price	Dollar Price
05/01/2020	Serial Coupon	1.420%	1.420%	110,000.00	100.000%	110,000.00
05/01/2021	Serial Coupon	1.460%	1.460%	110,000.00	100.000%	110,000.00
05/01/2022	Serial Coupon	1.550%	1.550%	115,000.00	100.000%	115,000.00
05/01/2023	Serial Coupon	1.670%	1.670%	115,000.00	100.000%	115,000.00
05/01/2024	Serial Coupon	1.790%	1.790%	120,000.00	100.000%	120,000.00
05/01/2025	Serial Coupon	1.930%	1.930%	120,000.00	100.000%	120,000.00
05/01/2026	Serial Coupon	2.040%	2.040%	120,000.00	100.000%	120,000.00
05/01/2027	Serial Coupon	2.110%	2.110%	125,000.00	100.000%	125,000.00
05/01/2028	Serial Coupon	2.180%	2.180%	130,000.00	100.000%	130,000.00
05/01/2029	Serial Coupon	2.260%	2.260%	130,000.00	100.000%	130,000.00
05/01/2030	Serial Coupon	2.340%	2.340%	135,000.00	100.000%	135,000.00
05/01/2031	Serial Coupon	2.400%	2.400%	135,000.00	100.000%	135,000.00
05/01/2032	Serial Coupon	2.480%	2.480%	140,000.00	100.000%	140,000.00
05/01/2033	Serial Coupon	2.540%	2.540%	145,000.00	100.000%	145,000.00
05/01/2034	Serial Coupon	2.600%	2.600%	150,000.00	100.000%	150,000.00
<b>Total</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$1,900,000.00</b>	<b>-</b>	<b>\$1,900,000.00</b>

## Bid Information

Par Amount of Bonds	\$1,900,000.00
Gross Production	\$1,900,000.00
Total Underwriter's Discount (1.250%)	\$(23,750.00)
Bid (98.750%)	1,876,250.00
Total Purchase Price	\$1,876,250.00
Bond Year Dollars	\$14,951.39
Average Life	7.869 Years
Average Coupon	2.2949946%
Net Interest Cost (NIC)	2.4538427%
True Interest Cost (TIC)	2.4640087%

# City of Stoughton, WI

\$1,900,000 Waterworks System Revenue Bonds, Series 2019B

SINGLE PURPOSE

Dated November 14, 2019 Assumes BVAL A- Rev Scale 8/26/19 + .25

## Proof of Bond Yield @ 2.2843168%

Date	Cashflow	PV Factor	Present Value	Cumulative PV
11/14/2019	-	1.0000000x	-	-
05/01/2020	128,391.57	0.9895187x	127,045.86	127,045.86
11/01/2020	19,042.25	0.9783444x	18,629.88	145,675.74
05/01/2021	129,042.25	0.9672964x	124,822.10	270,497.84
11/01/2021	18,239.25	0.9563731x	17,443.53	287,941.37
05/01/2022	133,239.25	0.9455731x	125,987.46	413,928.82
11/01/2022	17,348.00	0.9348952x	16,218.56	430,147.38
05/01/2023	132,348.00	0.9243378x	122,334.25	552,481.64
11/01/2023	16,387.75	0.9138996x	14,976.76	567,458.40
05/01/2024	136,387.75	0.9035793x	123,237.14	690,695.54
11/01/2024	15,313.75	0.8933755x	13,680.93	704,376.47
05/01/2025	135,313.75	0.8832870x	119,520.87	823,897.34
11/01/2025	14,155.75	0.8733124x	12,362.39	836,259.73
05/01/2026	134,155.75	0.8634504x	115,836.83	952,096.57
11/01/2026	12,931.75	0.8536998x	11,039.83	963,136.40
05/01/2027	137,931.75	0.8440593x	116,422.58	1,079,558.97
11/01/2027	11,613.00	0.8345277x	9,691.37	1,089,250.34
05/01/2028	141,613.00	0.8251037x	116,845.41	1,206,095.75
11/01/2028	10,196.00	0.8157861x	8,317.76	1,214,413.50
05/01/2029	140,196.00	0.8065738x	113,078.41	1,327,491.92
11/01/2029	8,727.00	0.7974654x	6,959.48	1,334,451.40
05/01/2030	143,727.00	0.7884600x	113,322.99	1,447,774.39
11/01/2030	7,147.50	0.7795562x	5,571.88	1,453,346.26
05/01/2031	142,147.50	0.7707530x	109,560.61	1,562,906.87
11/01/2031	5,527.50	0.7620492x	4,212.23	1,567,119.10
05/01/2032	145,527.50	0.7534437x	109,646.77	1,676,765.87
11/01/2032	3,791.50	0.7449353x	2,824.42	1,679,590.29
05/01/2033	148,791.50	0.7365231x	109,588.37	1,789,178.67
11/01/2033	1,950.00	0.7282058x	1,420.00	1,790,598.67
05/01/2034	151,950.00	0.7199825x	109,401.33	1,900,000.00
<b>Total</b>	<b>\$2,243,133.57</b>	<b>-</b>	<b>\$1,900,000.00</b>	<b>-</b>

## Derivation Of Target Amount

Par Amount of Bonds	\$1,900,000.00
Original Issue Proceeds	\$1,900,000.00

# City of Stoughton, WI

\$1,900,000 Waterworks System Revenue Bonds, Series 2019B

SINGLE PURPOSE

Dated November 14, 2019 Assumes BVAL A- Rev Scale 8/26/19 + .25

## Proof of Reserve Fund Requirement

Date	Principal	Interest	Existing D/S	TOTAL P+I
05/01/2020	110,000.00	18,391.57	324,337.50	452,729.07
05/01/2021	110,000.00	38,084.50	329,800.00	477,884.50
05/01/2022	115,000.00	36,478.50	315,225.00	466,703.50
05/01/2023	115,000.00	34,696.00	335,800.00	485,496.00
05/01/2024	120,000.00	32,775.50	145,200.00	297,975.50
05/01/2025	120,000.00	30,627.50	147,837.50	298,465.00
05/01/2026	120,000.00	28,311.50	148,987.50	297,299.00
05/01/2027	125,000.00	25,863.50	-	150,863.50
05/01/2028	130,000.00	23,226.00	-	153,226.00
05/01/2029	130,000.00	20,392.00	-	150,392.00
05/01/2030	135,000.00	17,454.00	-	152,454.00
05/01/2031	135,000.00	14,295.00	-	149,295.00
05/01/2032	140,000.00	11,055.00	-	151,055.00
05/01/2033	145,000.00	7,583.00	-	152,583.00
05/01/2034	150,000.00	3,900.00	-	153,900.00
<b>Total</b>	<b>\$1,900,000.00</b>	<b>\$343,133.57</b>	<b>\$1,747,187.50</b>	<b>\$3,990,321.07</b>

## PROOF OF RESERVE FUND

### MAXIMUM PERIODIC DEBT SERVICE

100 % of the Maximum Periodic Debt Service 485,496.00

### AVERAGE PERIODIC DEBT SERVICE

Total P+I 3,990,321.07

Bond Years (Delivery Date) 14.46

125 % of the Average Periodic Debt Service 344,852.02

### RESERVE REQUIREMENT

Computed Requirement 344,852.02

Proof's Requirement 344,852.02



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

*Serving Electric, Water & Wastewater Since 1886*

**Date:** September 10, 2019

**To:** Stoughton Utilities Committee

**From:** Jill M. Weiss, 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.



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

*Serving Electric, Water & Wastewater Since 1886*

**Date:** September 10, 2019

**To:** Stoughton Utilities Committee

**From:** Jill M. Weiss, P.E.  
Stoughton Utilities Director

Kent F. Thompson  
Stoughton Utilities Water System Supervisor

**Subject:** Tour of the Stoughton Utilities Well No. 5

A tour of the Stoughton Utilities Water Distribution Well No. 5, located at 1320 W. South Street, is scheduled to take place immediately following the September 16, 2019 meeting of the Stoughton Utilities Committee. Members of the Stoughton Utilities Committee are invited to attend.