Class AB



WATER, ELECTRIC, OR JOINT UTILITY ANNUAL REPORT

OF

CITY OF WAUKESHA WATER UTILITY

PO BOX 1648 WAUKESHA, WI 53187-1648

For the Year Ended: DECEMBER 31, 2020

TO

PUBLIC SERVICE COMMISSION OF WISCONSIN

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

Water Service Started Date: 06/01/1907

DNR Public Water System ID: 26802380

Safe Drinking Water Information System (SDWIS) Total Population Served: 70718

I JOSEPH P. CIURRO, CPA, ADMINISTRATIVE SERVICES MANAGER of CITY OF WAUKESHA WATER UTILITY, certify that I am the person responsible for accounts; that I have examined the following report and, to the best of my knowledge, information and belief, it is a correct statement of the business and affairs of said utility for the period covered by the report in respect to each and every matter set forth therein.

Date Signed: 3/23/2021

Table of Contents

| Schedule Name | Page |
|--|------|
| INTRODUCTORY SECTION | |
| Signature Page | ii |
| Identification and Ownership - Contacts | iv |
| Identification and Ownership - Governing Authority and Audit Information | V |
| Identification and Ownership - Contract Operations | vi |
| Workforce Diversity | xi |
| FINANCIAL SECTION | |
| Income Statement | F-01 |
| Income Statement Account Details | F-02 |
| Income from Merchandising, Jobbing & Contract Work (Accts. 415-416) | F-03 |
| Revenues Subject to Wisconsin Remainder Assessment | F-04 |
| Distribution of Total Payroll | F-05 |
| Full-Time Employees (FTE) | F-06 |
| Balance Sheet | F-07 |
| Net Utility Plant | F-08 |
| Accumulated Provision for Depreciation of Utility Plant on Utility Plant Financed by Utility Operations or by the Municipality (Acct. 111.1) | F-09 |
| Accumulated Provision for Depreciation of Utility Plant on Contributed Plant in Service (Acct. 111.2) | F-10 |
| Net Nonutility Property (Accts. 121 & 122) | F-11 |
| Accumulated Provision for Uncollectible Accounts-Cr. (Acct. 144) | F-12 |
| Materials and Supplies | F-13 |
| Unamortized Debt Discount & Expense & Premium on Debt (Accts. 181 and 251) | F-14 |
| Capital Paid in by Municipality (Acct. 200) | F-15 |
| Bonds (Acct. 221) | F-17 |
| Notes Payable & Miscellaneous Long-Term Debt | F-18 |
| Taxes Accrued (Acct. 236) | F-19 |
| Interest Accrued (Acct. 237) | F-20 |
| Balance Sheet Detail - Other Accounts | F-22 |
| Return on Rate Base Computation | F-23 |
| Regulatory Liability - Pre-2003 Historical Accumulated Depreciation on Contributed Utility Plant (253) | F-25 |
| Important Changes During the Year | F-26 |
| WATER SECTION | |
| Water Operating Revenues & Expenses | W-01 |
| Water Operating Revenues - Sales of Water | W-02 |
| Sales for Resale (Acct. 466) | W-03 |
| Other Operating Revenues (Water) | W-04 |
| Water Operation & Maintenance Expenses | W-05 |
| Taxes (Acct. 408 - Water) | W-06 |
| Water Property Tax Equivalent - Detail | W-07 |
| Water Utility Plant in Service - Plant Financed by Utility or Municipality | W-08 |
| Water Utility Plant in Service - Plant Financed by Contributions | W-09 |
| Water Accumulated Provision for Depreciation - Plant Financed by Utility or Municipality | W-10 |
| Water Accumulated Provision for Depreciation - Plant Financed by Contributions | W-12 |
| Age of Water Mains | W-13 |

Date Printed: 3/26/2021 12:05:03 PM

Table of Contents

| WATER SECTION | |
|--|------|
| Sources of Water Supply - Statistics | W-14 |
| Water Audit and Other Statistics | W-15 |
| Sources of Water Supply - Well Information | W-16 |
| Sources of Water Supply - Intake Information | W-17 |
| Pumping & Power Equipment | W-18 |
| Reservoirs, Standpipes and Elevated Tanks | W-19 |
| Water Treatment Plant | W-20 |
| Water Mains | W-21 |
| Utility-Owned Water Service Lines | W-22 |
| Meters | W-23 |
| Hydrants and Distribution System Valves | W-25 |
| List of All Station and Wholesale Meters | W-26 |
| Water Conservation Programs | W-27 |
| Water Customers Served | W-28 |
| Privately-Owned Water Service Lines | W-29 |

Date Printed: 3/26/2021 12:05:03 PM PSCW Annual Report

Identification and Ownership - Contacts

Utility employee in charge of correspondence concerning this report

Name: JOSEPH P. CIURRO, CPA

Title: ADMINISTRATIVE SERVICES MANAGER

Mailing Address: P.O. Box 1648

Waukesha, WI 53187-1648

Phone: (262) 409-4420

Email Address: jciurro@waukesha-water.com

Accounting firm or consultant preparing this report (if applicable)

Name:

Title:

Mailing Address:

Phone:

Email Address:

Name and title of utility General Manager (or equivalent)

Name: DANIEL S. DUCHNIAK, PE

Title: GENERAL MANAGER

Mailing Address: P.O. Box 1648

Waukesha, WI 53187-1648

Phone: (262) 409-4440

Email Address: dduchniak@waukesha-water.com

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

Name: JOSEPH PIATT

Title: COMMISSION PRESIDENT

Mailing Address: 727 ROBERTA AVENUE

WAUKESHA, WI 53186

Phone: (262) 548-9991
Email Address: jpiatt@carrollu.edu

Contact person for cybersecurity issues and events

Name: DANIEL S. DUCHNIAK, PE

Title: GENERAL MANAGER

Mailing Address: P.O. Box 1648

Waukesha, WI 53187-1648

Phone: (262) 409-4440

Email Address: dduchniak@waukesha-water.com

Date Printed: 3/26/2021 12:05:04 PM PSCW Annual Report

Identification and Ownership - Governing Authority and Audit Information

Utility Governing Authority

Select the governing authority for this utility.

_x_Reports to utility board/commission

___Reports directly to city/village council

Audit Information

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

Date of most recent audit report: 12/31/2019

Period covered by most recent audit: JANUARY 1, 2020 - DECEMBER 31, 2020

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

Name: JODI DOBSON, CPA

Title: PARTNER

Organization Name: BAKER TILLY VIRCHOW KRAUSE, LLP

USPS Address: P.O. BOX 7398

City State Zip MADISON, WI 53707-7398

Telephone: (608) 240-2469

Email Address: jodi.dobson@bakertilly.com

Report Preparation

If an accounting firm or consultant assists with report preparation, select the type of assistance provided

Not Applicable

Date Printed: 3/26/2021 12:05:04 PM PSCW Annual Report

Year Ended: December 31, 2020

Identification and Ownership - Contract Operations

Do you have any contracts?

Are any of the Utility's administrative or operational functions under contract or agreement with an outside provider for the year covered by this annual report and /or current year (i.e., utility billing is done by another entity)?

NO

Date Printed: 3/26/2021 12:05:05 PM PSCW Annual Report

Workforce Diversity

- g Whole numbers in the range of 0 . ÁJJJÁsre acceptable values for this schedule. Please enter part time employees as a whole number, and use the Footnotes feature to provide information about how many staff are part-time employees.
- g Staff classification of various employment categories can vary from utility to utility. Use the Footnotes feature to provide information about how the utility defines these categories.

| | | Employee Count | | | | |
|-------------------------|--------------|-------------------|--------------------------------|------------------------------|---|---|
| Category (a) | Total (b) | Management (c) | Executive Leadership (d) | Board of Directors (e) | _ | |
| Total Utility Employees | 27 | 3 | 4 | 0 | * | 1 |
| Women | | | | | | 2 |
| Minorities | | | | | | 3 |
| Veterans | | | | | | 4 |

Date Printed: 3/26/2021 12:05:05 PM PSCW Annual Report

Year Ended: December 31, 2020

Workforce Diversity

- g Whole numbers in the range of 0 . ÁJJJÁJre acceptable values for this schedule. Please enter part time employees as a whole number, and use the Footnotes feature to provide information about how many staff are part-time employees.
- g Staff classification of various employment categories can vary from utility to utility. Use the Footnotes feature to provide information about how the utility defines these categories.

Workforce Diversity (Page xi)

General Footnote

Management is defined as an Assistant Manager Executive Leadership is defined as a Manager or General Manager

Date Printed: 3/26/2021 12:05:05 PM PSCW Annual Report

Date Printed: 3/26/2021 12:05:06 PM

Income Statement

| Particulars (a) | This Year (b) | Last Year (c) |
|--|------------------|------------------|
| UTILITY OPERATING INCOME | | |
| Operating Revenues (400) | 11,510,076 | 11,728,085 |
| "CdYf Ur jb['91 dYbgYg. | | |
| Operation and Maintenance Expense (401-402) | 4,808,567 | 5,371,292 |
| Depreciation Expense (403) | 1,938,167 | 1,857,800 |
| Amortization Expense (404-407) | 0 | 0 |
| Taxes (408) | 2,140,099 | 2,178,084 |
| ''HcHJ''CdYfU i jb['91 dYbgYg | 8,886,833 | 9,407,176 |
| ''BYhCdYf Uij b[ˈ±b Wc a Y | 2,623,243 | 2,320,909 |
| Income from Utility Plant Leased to Others (412-413) | | |
| ʻʻl hj`]lmiCdYfUhjb[ˈၨəbWca Y | 2,623,243 | 2,320,909 |
| OTHER INCOME | | |
| Income from Merchandising, Jobbing and Contract Work (415-416) | 5,925 | 6,254 |
| Income from Nonutility Operations (417) | 9,747 | 22,245 |
| Nonoperating Rental Income (418) | | |
| Interest and Dividend Income (419) | 189,121 | 724,877 |
| Miscellaneous Nonoperating Income (421) | 507,928 | 307,656 |
| "HchU"Ch∖Yf"±bWcaY | 712,721 | 1,061,032 |
| ``HcHJ`±bWca Y | 3,335,964 | 3,381,941 |
| MISCELLANEOUS INCOME DEDUCTIONS | | |
| Miscellaneous Amortization (425) | (191,106) | (191,106) |
| Other Income Deductions (426) | 5,718,024 | 867,834 |
| ∵HchU`A]gWY`UbYcigʻ≢bWcaY'8YXiW¶cbg | 5,526,918 | 676,728 |
| ∷±bWcaY6YZcfYʻ±bhYfYgh7\Uf[Yg | (2,190,954) | 2,705,213 |
| INTEREST CHARGES | | |
| Interest on Long-Term Debt (427) | 1,368,399 | 1,437,133 |
| Amortization of Debt Discount and Expense (428) | 527,999 | 74,273 |
| Amortization of Premium on DebtCr. (429) | 303,470 | 341,265 |
| Interest on Debt to Municipality (430) | 0 | 0 |
| Other Interest Expense (431) | 580,886 | 689,513 |
| Interest Charged to ConstructionCr. (432) | | |
| "HchJ"=bhYfYgh7 \ Uf[Yg | 2,173,814 | 1,859,654 |
| "BYh±bWta Y | (4,364,768) | 845,559 |
| EARNED SURPLUS | | |
| Unappropriated Earned Surplus (Beginning of Year) (216) | 73,552,558 | 72,711,793 |
| Balance Transferred from Income (433) | (4,364,768) | 845,559 |
| Miscellaneous Credits to Surplus (434) | | |
| Miscellaneous Debits to SurplusDebit (435) | | 4,794 |
| Appropriations of SurplusDebit (436) | | |
| Appropriations of Income to Municipal FundsDebit (439) | | |
| "HcHJ'I bUddfcdf]UhYX'9UfbYX'Gi fd'i g'9bX'cZMYUf'fB%'L | 69,187,790 | 73,552,558 |

Income Statement Account Details

- g Report each item (when individually or when like items are combined) greater than \$10,000 (class AB), \$5,000 (class C) and \$2,000 (class D) and all other lesser amounts grouped as Miscellaneous. Describe fully using other than account titles.
- g Nonregulated sewer income should be reported as Miscellaneous Nonoperating Income, Account 421.
- g If amount of Contributed Plant . ÁWater (421) does not match the total Additions During Year entered on Water Utility Plant in Service . ÁPlant Financed by Contributions, please provide a detailed explanation. Please see the help guide for more information.

| Description (a) | Earnings (216.1) (b) | Contributions (216.2) (c) | Total This Year (d) |
|--|----------------------------|---------------------------------|---------------------------|
| UTILITY OPERATING INCOME | ., | ., | .,, |
| Operating Revenues (400) | | | |
| Derived | 11,510,076 | | 11,510,076 |
| Total (Acct. 400) | 11,510,076 | 0 | 11,510,076 |
| Operation and Maintenance Expense (401-402) | | | |
| Derived | 4,808,567 | | 4,808,567 |
| Total (Acct. 401-402) | 4,808,567 | 0 | 4,808,567 |
| Depreciation Expense (403) | | | |
| Derived | 1,938,167 | | 1,938,167 |
| Total (Acct. 403) | 1,938,167 | 0 | 1,938,167 |
| Amortization Expense (404-407) | | | |
| Derived | 0 | | 0 |
| Total (Acct. 404-407) | 0 | 0 | 0 |
| Taxes (408) | | | |
| Derived | 2,140,099 | | 2,140,099 |
| Total (Acct. 408) | 2,140,099 | 0 | 2,140,099 |
| TOTAL UTILITY OPERATING INCOME | 2,623,243 | 0 | 2,623,243 |
| OTHER INCOME | | | |
| Income from Merchandising, Jobbing and Contract Work (415-416) | | | |
| Derived | 5,925 | 0 | 5,925 |
| Total (Acct. 415-416) | 5,925 | 0 | 5,925 |
| Income from Nonutility Operations (417) | | | |
| MISC NON-OPERATING REVENUE | 9,747 | | 9,747 |
| Total (Acct. 417) | 9,747 | 0 | 9,747 |
| Interest and Dividend Income (419) | | | |
| INTEREST INCOME | 189,121 | | 189,121 |
| Total (Acct. 419) | 189,121 | 0 | 189,121 |
| Miscellaneous Nonoperating Income (421) | | | |
| Contributed Plant - Water | | 507,928 | 507,928 |
| Impact Fees - Water | | | 0 |
| Total (Acct. 421) | 0 | 507,928 | 507,928 |
| TOTAL OTHER INCOME | 204,793 | 507,928 | 712,721 |
| MISCELLANEOUS INCOME DEDUCTIONS | | | |
| Miscellaneous Amortization (425) | | | |
| Regulatory Liability (253) Amortization | (191,106) | | (191,106) |
| Total (Acct. 425) | (191,106) | 0 | (191,106) |
| Other Income Deductions (426) | · · · · | | |
| Depreciation Expense on Contributed Plant - Water | | 769,962 | 769,962 |
| INTERGOVERNMENTAL AGREEMENT - CITY OF MILWAUKEE | 2,500,000 | <u> </u> | 2,500,000 |

Date Printed: 3/26/2021 12:05:06 PM PSCW Annual Report

Income Statement Account Details

- g Report each item (when individually or when like items are combined) greater than \$10,000 (class AB), \$5,000 (class C) and \$2,000 (class D) and all other lesser amounts grouped as Miscellaneous. Describe fully using other than account titles.
- g Nonregulated sewer income should be reported as Miscellaneous Nonoperating Income, Account 421.
- g If amount of Contributed Plant . ÁWater (421) does not match the total Additions During Year entered on Water Utility Plant in Service . ÁPlant Financed by Contributions, please provide a detailed explanation. Please see the help guide for more information.

| Description (a) | Earnings (216.1) (b) | Contributions (216.2) (c) | Total This Year (d) |
|---|----------------------------|---------------------------------|---------------------------|
| LOBBYING EXPENSE | 176,901 | | 176,901 |
| MISC INTEREST EXPENSE | 13,791 | | 13,791 |
| PROGRAM SUPPORT & COMMUNICATIONS - Per Docket 6240-WR-110 | 2,257,370 | | 2,257,370 |
| Total (Acct. 426) | 4,948,062 | 769,962 | 5,718,024 |
| TOTAL MISCELLANEOUS INCOME DEDUCTIONS | 4,756,956 | 769,962 | 5,526,918 |
| INTEREST CHARGES | | | |
| Interest on Long-Term Debt (427) | | | |
| Derived | 1,368,399 | | 1,368,399 |
| Total (Acct. 427) | 1,368,399 | 0 | 1,368,399 |
| Amortization of Debt Discount and Expense (428) | | | |
| AMORT OF PREPAID INTEREST EXP/LOSS | 50,999 | | 50,999 |
| DEBT ISSUANCE COSTS - WIFIA LOAN | 477,000 | | 477,000 |
| Total (Acct. 428) | 527,999 | 0 | 527,999 |
| Amortization of Premium on DebtCr. (429) | | | |
| BONDS | 113,305 | | 113,305 |
| NOTES PAYABLE | 190,165 | | 190,165 |
| Total (Acct. 429) | 303,470 | 0 | 303,470 |
| Interest on Debt to Municipality (430) | | | |
| Derived | 0 | | 0 |
| Total (Acct. 430) | 0 | 0 | 0 |
| Other Interest Expense (431) | | | |
| Derived | 580,886 | | 580,886 |
| Total (Acct. 431) | 580,886 | 0 | 580,886 |
| TOTAL INTEREST CHARGES | 2,173,814 | 0 | 2,173,814 |
| NET INCOME | (4,102,734) | (262,034) | (4,364,768) |
| EARNED SURPLUS | | | |
| Unappropriated Earned Surplus (Beginning of Year) (216) | | | |
| Derived | 45,347,194 | 28,205,364 | 73,552,558 |
| Total (Acct. 216) | 45,347,194 | 28,205,364 | 73,552,558 |
| Balance Transferred from Income (433) | | | |
| Derived | (4,102,734) | (262,034) | (4,364,768) |
| Total (Acct. 433) | (4,102,734) | (262,034) | (4,364,768) |
| UNAPPROPRIATED EARNED SURPLUS (END OF YEAR) | 41,244,460 | 27,943,330 | 69,187,790 |

Date Printed: 3/26/2021 12:05:06 PM PSCW Annual Report

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

| Particulars (a) | Water (b) | Electric (c) | Gas (d) | Sewer (e) | Total (f) |
|--|--------------|-----------------|------------|--------------|--------------|
| Revenues | | | | | |
| Revenues (account 415) | 4,223,606 | | | | 4,223,606 |
| Cost and Expenses of Merchandising, Jobbing and Contract Work (416) | | | | | |
| Cost of merchandise sold | 4,217,681 | | | | 4,217,681 |
| Payroll | | | | | 0 |
| Materials | | | | | 0 |
| Taxes | | | | | 0 |
| Total costs and expenses | 4,217,681 | 0 | 0 | 0 | 4,217,681 |
| Net Income (or loss) | 5,925 | 0 | 0 | 0 | 5,925 |

Date Printed: 3/26/2021 12:05:07 PM

Revenues Subject to Wisconsin Remainder Assessment

- g Ü^][ˈo͡ˈsaææá∱^&^••æ'Át[Ásæá&`|ææ^Á^ç^}`^Á*`àtó*&óát[Á*ã&t]•ðjÁ^{ æðjå^\Áæ••^••{ ^}oíţ`i•`æ)oát[Á*ã ĒÁÛææáhÆJÎĒLÍÇŒÆæjåÁ*ã ĒÉ Admin. Code Ch. PSC 5.
- g If the sewer department is not regulated by the PSC, do not report sewer department in data column (d).

| Description (a) | Water Utility (b) | Electric Utility (c) | Gas Utility (d) | Sewer Utility (Regulated Only (e) | Total (f) |
|---|-------------------------|----------------------------|-----------------------|---|--------------|
| Total operating revenues | 11,510,076 | | | | 11,510,076 |
| Less: interdepartmental sales | 0 | | | | 0 |
| Less: interdepartmental rents | 0 | | | | 0 |
| Less: return on net investment in meters charged to regulated sewer department. (Do not report if nonregulated sewer.) | | | | | 0 |
| Less: uncollectibles directly expensed as reported in water acct. 904 (690 class D), sewer acct. 843, and electric acct. 904 -or-Net write-offs when Accumulated Provision for Uncollectible Accounts (acct. 144) is maintained | 6,507 | | | | 6,507 |
| Revenues subject to Wisconsin Remainder Assessment | 11,503,569 | 0 | 0 | 0 | 11,503,569 |

Date Printed: 3/26/2021 12:05:08 PM PSCW Annual Report

Distribution of Total Payroll

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

| Accounts Charged (a) | Direct Payroll Distribution (b) | Allocation of Amounts Charged Clearing Accts. (c) | Total (d) |
|---|--|--|--------------|
| Water operating expenses | 1,380,799 | 374,527 | 1,755,326 |
| Electric operating expenses | | | 0 |
| Gas operating expenses | | | 0 |
| Heating operating expenses | | | 0 |
| Sewer operating expenses | | | 0 |
| Merchandising and jobbing | | | 0 |
| Other nonutility expenses | | | 0 |
| Water utility plant accounts | 205,188 | | 205,188 |
| Electric utility plant accounts | | | 0 |
| Gas utility plant accounts | | | 0 |
| Heating utility plant accounts | | | 0 |
| Sewer utility plant accounts | | | 0 |
| Accum. prov. for depreciation of water plant | | | 0 |
| Accum. prov. for depreciation of electric plant | | | 0 |
| Accum. prov. for depreciation of gas plant | | | 0 |
| Accum. prov. for depreciation of heating plant | | | 0 |
| Accum. prov. for depreciation of sewer plant | | | 0 |
| Clearing accounts | 374,527 | (374,527) | 0 |
| All other accounts | 339,479 | | 339,479 |
| Total Payroll | 2,299,993 | 0 | 2,299,993 |

Full-Time Employees (FTE)

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

| Industry (a) | FTE (b) |
|-----------------|------------|
| Water | 29.0 |
| Electric | |
| Gas | |
| Sewer | |

Date Printed: 3/26/2021 12:05:09 PM PSCW Annual Report

Balance Sheet

| Assets and Othe Debits (a) | Balance End of Year (b) | Balance First of Year (c) |
|--|-------------------------------|---------------------------------|
| ASSESTS AND OTHER DEBITS | | |
| UTILITY PLANT | | |
| Utility Plant (101) | 156,928,142 | 133,863,755 |
| Less: Accumulated Provision for Depreciation and Amortization of Utility Plant (111) | 37,556,078 | 35,337,485 |
| Utility Plant Acquisition Adjustments (117-118) | 0 | (|
| Other Utility Plant Adjustments (119) | 0 | C |
| "BYhil hj`]hmiD`Ubh | 119,372,064 | 98,526,270 |
| OTHER PROPERTY AND INVESTMENTS | | |
| Nonutility Property (121) | 0 | C |
| Less: Accumulated Provision for Depreciation and Amortization of Nonutility Property (122) | 0 | (|
| Investment in Municipality (123) | 0 | (|
| Other Investments (124) | 0 | (|
| Sinking Funds (125) | 3,383,055 | 3,492,850 |
| Depreciation Fund (126) | 12,518,352 | 12,122,193 |
| Other Special Funds (128) | 0 | (|
| "HchU"Ch\Yf"DfcdYffmiUbX"±bj Ygha Ybhg | 15,901,407 | 15,615,043 |
| CURRENT AND ACCRUED ASSETS | | |
| Cash (131) | 2,493,245 | 3,405,196 |
| Special Deposits (134) | 0 | (|
| Working Funds (135) | 605 | 684 |
| Temporary Cash Investments (136) | 17,835,423 | 17,920,562 |
| Notes Receivable (141) | 0 | (|
| Customer Accounts Receivable (142) | 7,257,290 | 5,449,627 |
| Other Accounts Receivable (143) | 0 | (|
| Accumulated Provision for Uncollectible AccountsCr. (144) | 12,275 | 8,791 |
| Receivables from Municipality (145) | 470,479 | 560,416 |
| Plant Materials and Operating Supplies (154) | 354,351 | 390,977 |
| Merchandise (155) | 0 | (|
| Other Materials and Supplies (156) | 0 | (|
| Stores Expense (163) | 0 | (|
| Prepayments (165) | 168,304 | 163,503 |
| Interest and Dividends Receivable (171) | 0 | (|
| Accrued Utility Revenues (173) | 0 | (|
| Miscellaneous Current and Accrued Assets (174) | 437,465 | (478,201) |
| ՝՝HcttJʻ7 i ffYbhiUbXʻ5 WWi YXʻ5 ggYrg | 29,004,887 | 27,403,973 |
| DEFERRED DEBITS | | |
| Unamortized Debt Discount and Expense (181) | 749,403 | 315,516 |
| Extraordinary Property Losses (182) | 0 | (|
| Preliminary Survey and Investigation Charges (183) | 3,833,949 | 28,947,911 |
| Clearing Accounts (184) | 0 | (|
| Temporary Facilities (185) | 0 | (|
| Miscellaneous Deferred Debits (186) | 3,103,461 | 3,167,613 |
| "HcHJ'8 YZ/ff YX'8 YV]lrg | 7,686,813 | 32,431,040 |
| "HCH5 @5 GG9 HG'5 B8 'CH<9F'896 +HG | 171,965,171 | 173,976,326 |

Date Printed: 3/26/2021 12:05:09 PM

Balance Sheet

| Liabilities and Othe Credits (a) | Balance End of Year (b) | Balance First of Year (c) |
|---|-------------------------------|---------------------------------|
| LIABILITIES AND OTHER CREDITS | | ` ' |
| PROPRIETARY CAPITAL | | |
| Capital Paid in by Municipality (200) | 2,752,751 | 2,722,127 |
| Appropriated Earned Surplus (215) | 0 | 0 |
| Unappropriated Earned Surplus (216) | 69,187,790 | 73,552,558 |
| ՝՝HctՄ՝Dfcdf]YfUfm7 Ud]fՄ | 71,940,541 | 76,274,685 |
| LONG-TERM DEBT | | |
| Bonds (221) | 75,307,305 | 59,244,877 |
| Advances from Municipality (223) | 0 | 0 |
| Other Long-Term Debt (224) | 8,245,000 | 21,775,000 |
| "HchJ"@cb[!HYfa '8 YVh | 83,552,305 | 81,019,877 |
| CURRENT AND ACCRUED LIABILITIES | | |
| Notes Payable (231) | 0 | 0 |
| Accounts Payable (232) | 1,152,858 | 1,508,929 |
| Payables to Municipality (233) | 4,041,487 | 3,625,228 |
| Customer Deposits (235) | 266,085 | 136,087 |
| Taxes Accrued (236) | 2,023,578 | 2,058,932 |
| Interest Accrued (237) | 265,208 | 467,788 |
| Tax Collections Payable (241) | 6,724 | 7,506 |
| Miscellaneous Current and Accrued Liabilities (242) | 259,878 | 338,562 |
| "HchJ'7 i ffYbh'UbX'5 WWNi YX'@[UV]"]h]Yg | 8,015,818 | 8,143,032 |
| DEFERRED CREDITS | | |
| Unamortized Premium on Debt (251) | 1,139,323 | 1,919,482 |
| Customer Advances for Construction (252) | 0 | 0 |
| Other Deferred Credits (253) | 7,317,184 | 6,619,250 |
| "HctU'8 YZYffYX'7 fYX]hg | 8,456,507 | 8,538,732 |
| OPERATING RESERVES | | |
| Property Insurance Reserve (261) | 0 | 0 |
| Injuries and Damages Reserve (262) | 0 | 0 |
| Pensions and Benefits Reserve (263) | 0 | 0 |
| Miscellaneous Operating Reserves (265) | 0 | 0 |
| ¨HcŀIJʻCdYfUrjb[˙FYgYfj Yg | 0 | 0 |
| "HCH5 @@56=@H=9G'5B8 CH<9F'7F98±HG | 171,965,171 | 173,976,326 |

Net Utility Plant

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

| Particulars (a) | Water (b) | Electric (c) | Gas (d) | Sewer (e) |
|--|--------------|-----------------|------------|--------------|
| First of Year | | | | |
| Total Utility Plant - First of Year | 133,863,755 | 0 | 0 | 0 |
| | 133,863,755 | 0 | 0 | 0 |
| Plant Accounts | | | | |
| Utility Plant in Service - Financed by Utility Operations or by the Municipality (101.1) | 95,326,766 | | | |
| Utility Plant in Service - Contributed Plant (101.2) | 41,748,813 | | | |
| Utility Plant Purchased or Sold (102) | | | | |
| Utility Plant Leased to Others (104) | | | | |
| Property Held for Future Use (105) | 435,090 | | | |
| Completed Construction not Classified (106) | | | | |
| Construction Work in Progress (107) | 19,417,473 | | | |
| Total Utility Plant | 156,928,142 | 0 | 0 | 0 |
| Accumulated Provision for Depreciation and Amortization | | | | |
| Accumulated Provision for Depreciation of Utility Plant in Service - Financed by Utility Operations or by the Municipality (111.1) | 23,779,655 | | | |
| Accumulated Provision for Depreciation of Utility Plant in Service - Contributed Plant (111.2) | 13,776,423 | | | |
| Accumulated Provision for Depreciation of Utility Plant Leased to Others (112) | | | | |
| Accumulated Provision for Depreciation of Property Held for Future Use (113) | | | | |
| Accumulated Provision for Amortization of Utility Plant in Service (114) | | | | |
| Accumulated Provision for Amortization of Utility Plant Leased to Others (115) | | | | |
| Accumulated Provision for Amortization of Property Held for Future Use (116) | | | | |
| Total Accumulated Provision | 37,556,078 | 0 | 0 | 0 |
| Accumulated Provision for Depreciation and Amortization | | | | |
| Utility Plant Acquisition Adjustments (117) | | | | |
| Accumulated Provision for Amortization of Utility Plant Acquisition Adjustments (118) | | | | |
| Other Utility Plant Adjustments (119) | | | | |
| Total Other Utility Plant Accounts | 0 | 0 | 0 | 0 |
| Net Utility Plant | 119,372,064 | 0 | 0 | 0 |

Date Printed: 3/26/2021 12:05:10 PM PSCW Annual Report

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

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

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

| Description (a) | Water (b) | Electric (c) | Gas (d) | Sewer (e) | Total (f) |
|---|--------------|-----------------|------------|--------------|--------------|
| Balance First of Year (111.1) | 22,329,197 | 0 | 0 | 0 | 22,329,197 |
| Credits during year | | | | | |
| Charged Depreciation Expense (403) | 1,938,167 | | | | 1,938,167 |
| Depreciation Expense on Meters Charged to Sewer | 170,843 | | | | 170,843 |
| Salvage | 116,795 | | | | 116,795 |
| Total credits | 2,225,805 | 0 | 0 | 0 | 2,225,805 |
| Debits during year | | | | | |
| Book Cost of Plant Retired | 734,028 | | | | 734,028 |
| Cost of Removal | 41,319 | | | | 41,319 |
| Total debits | 775,347 | 0 | 0 | 0 | 775,347 |
| Balance end of year (111.1) | 23,779,655 | 0 | 0 | 0 | 23,779,655 |

Date Printed: 3/26/2021 12:05:10 PM PSCW Annual Report

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

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

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

| Description (a) | Water (b) | Electric (c) | Gas (d) | Sewer (e) | Total (f) |
|---|--------------|-----------------|------------|--------------|--------------|
| Balance First of Year (111.2) | 13,008,288 | 0 | 0 | 0 | 13,008,288 |
| Credits during year | | | | | |
| Charged Other Income Deductions (426) | 769,962 | | | | 769,962 |
| Depreciation Expense on Meters Charged to Sewer | | | | | 0 |
| Salvage | 0 | | | | 0 |
| Total credits | 769,962 | 0 | 0 | 0 | 769,962 |
| Debits during year | | | | | |
| Book Cost of Plant Retired | 1,827 | | | | 1,827 |
| Cost of Removal | 0 | | | | 0 |
| Total debits | 1,827 | 0 | 0 | 0 | 1,827 |
| Balance end of year (111.2) | 13,776,423 | 0 | 0 | 0 | 13,776,423 |

Date Printed: 3/26/2021 12:05:11 PM PSCW Annual Report

Net Nonutility Property (Accts. 121 & 122)

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

| Description (a) | Balance First of Year (b) | Additions During Year (c) | Deductions During Year (d) | Balance End of Year (e) | |
|--|---------------------------------|---------------------------------|----------------------------------|-------------------------------|---|
| Nonregulated sewer plant | 0 | | | 0 | 1 |
| Total Nonutility Property (121) | 0 | 0 | 0 | 0 | 2 |
| Less accum. prov. depr. & amort. (122) | 0 | | | 0 | 3 |
| Net Nonutility Property | 0 | 0 | 0 | 0 | 4 |

Date Printed: 3/26/2021 12:05:11 PM PSCW Annual Report

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

| Description (a) | Amount (b) |
|--|---------------|
| Balance first of year | 8,791 |
| Additions | |
| Provision for uncollectibles during year | 6,507 |
| Collection of accounts previously written off: Utility Customers | 1,603 |
| Collection of accounts previously written off: Others | 0 |
| Total Additions | 8,110 |
| Accounts Written Off | |
| Accounts written off during the year: Utility Customers | 2,807 |
| Accounts written off during the year: Others | 1,819 |
| Total Accounts Written Off | 4,626 |
| Balance End of Year | 12,275 |

Date Printed: 3/26/2021 12:05:12 PM PSCW Annual Report

Materials and Supplies

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

| Account | Total End of Year | Amount Prior Year |
|----------------------------------|----------------------|----------------------|
| Electric utility total | 0 | 0 |
| Water utility (154) | 354,351 | 390,977 |
| Sewer utility (154) | | |
| Heating utility (154) | | |
| Gas utility (154) | | |
| Merchandise (155) | | |
| Other materials & supplies (156) | | |
| Stores expense (163) | | |
| Total Material and Supplies | 354,351 | 390,977 |

Date Printed: 3/26/2021 12:05:12 PM PSCW Annual Report

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

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

Written Off During Year

| Debt Issue to Which Related (a) | Amount (b) | Account Charged or Credited (c) | Balance End of Year (d) |
|--|------------|---------------------------------|-------------------------------|
| Unamortized debt discount & expense (181) | | | |
| None | | | |
| Prepaid Interest Exp - Unamortized Loss on Adv Refunding | 50,999 | 484,885 | 749,403 |
| Total | 50,999 | | 749,403 |
| Unamortized premium on debt (251) | | | |
| None | | | |
| Unamortized Premium - Bond 2013 | 420,253 | 0 | 112,752 |
| Unamortized Premium - Bond 2014 | 107,693 | 0 | 38,463 |
| Unamortized Premium - Bond 2015 | 22,177 | 0 | 317,865 |
| Unamortized Premium - Bond 2016 | 39,871 | 0 | 611,361 |
| Unamortized Premium - Note Payable 2016 | 101,555 | 0 | 15,791 |
| Unamortized Premium - Note Payable 2017 | 88,609 | 0 | 43,091 |
| Total | 780,158 | | 1,139,323 |

Date Printed: 3/26/2021 12:05:13 PM PSCW Annual Report

Capital Paid in by Municipality (Acct. 200)

Report each item (when individually or when like items are combined) greater than \$10,000 (class AB), \$5,000 (class C) and \$2,000 (class D, sewer and privates) and all other lesser amounts grouped as Miscellaneous. Describe fully using other than account titles.

| Description (a) | Amount (b) |
|---------------------------------------|--------------------|
| Balance first of year | 2,722,127 |
| City of Waukesha Contributed Services | 30,624 2 |
| Balance end of year | 2,752,751 3 |

Date Printed: 3/26/2021 12:05:13 PM PSCW Annual Report

Bonds (Acct. 221)

- g Report information required for each separate issue of bonds.
- g If there is more than one interest rate for an aggregate obligation issue, average the interest rates and report one rate.
- g Proceeds advanced by the municipality from sale of general obligation bonds, if repayable by utility, should be included in account 223.
- g Enter interest rates in decimal form. For example, enter 6.75% as 0.0675

| Description of Issue (a) | Date of Issue (b) | Final Maturity Date (c) | Interest Rate (d) | Principal Amount End of Year (e) | |
|-----------------------------|-------------------------|----------------------------------|-------------------------|---|----|
| 2013 BOND ISSUE | 05/07/2013 | 10/01/2032 | 2.76% | 2,500,000 * | 1 |
| 2013 SDWLP | 05/22/2013 | 05/01/2033 | 1.93% | 775,725 * | 2 |
| 2014 BOND ISSUE | 04/08/2014 | 10/01/2033 | 3.51% | 1,005,000 * | 3 |
| 2015 BOND ISSUE | 05/12/2015 | 10/01/2034 | 2.45% | 4,890,000 * | 4 |
| 2016 BOND ISSUE | 05/10/2016 | 10/01/2035 | 2.75% | 6,280,000 * | 5 |
| 2018 BOND ISSUE (BAN) | 04/02/2018 | 05/01/2038 | 2.57% | 11,524,032 * | 6 |
| 2018 SDWLP | 06/27/2018 | 05/01/2038 | 1.87% | 622,562 * | 7 |
| 2019-B SDWLP | 03/27/2019 | 05/01/2038 | 1.98% | 8,474,481 * | 8 |
| 2019-E SDWLP | 12/11/2019 | 05/01/2039 | 1.65% | 2,601,317 * | 9 |
| 2020 BOND ISSUE | 12/03/2020 | 10/01/2033 | 1.17% | 9,050,000 * | 10 |
| WIFIA - 2020 | 08/06/2020 | 11/01/2058 | 1.16% | 27,584,188 * | 11 |
| Total | | | | 75,307,305 | 12 |

Date Printed: 3/26/2021 12:05:14 PM PSCW Annual Report

Bonds (Acct. 221)

- g Report information required for each separate issue of bonds.
- g If there is more than one interest rate for an aggregate obligation issue, average the interest rates and report one rate.
- g Proceeds advanced by the municipality from sale of general obligation bonds, if repayable by utility, should be included in account 223.
- g Enter interest rates in decimal form. For example, enter 6.75% as 0.0675

Bonds (Acct. 221) (Page F-17)

General Footnote

A/N 221 Bonds: Dollar amount includes current portion of long-term debt.

Date Printed: 3/26/2021 12:05:14 PM PSCW Annual Report

Notes Payable & Miscellaneous Long-Term Debt

- g Report each class of debt included in Accounts 223, 224 and 231.
- g Proceeds of general obligation issues, if subject to repayment by the utility, should be included in Account 223.
- $g \hspace{0.5cm} \hbox{ If there is more than one interest rate for an aggregate obligation issue, average the interest rates and report one rate.} \\$
- g Enter interest rates in decimal form. For example, enter 6.75% as 0.0675

| Account and Description of Obligation (a and b) | Date of Issue (c) | Final Maturity Date (d) | Interest Rate (e) | Principal Amount End of Year (f) |
|---|-------------------------|----------------------------------|-------------------------|---|
| Other Long-Term Debt (224) | | | | |
| A/N 230 NOTES PAYABLE TO CITY - 2016B | 05/10/2016 | 05/01/2021 | 3.00% | 6,400,000 |
| A/N 230 NOTES PAYABLE TO CITY - 2017C | 05/23/2017 | 05/01/2022 | 3.00% | 1,845,000 |
| Total for Account 224 | | | | 8,245,000 |

Date Printed: 3/26/2021 12:05:14 PM PSCW Annual Report

Taxes Accrued (Acct. 236)

| Description (a) | Amount (b) |
|-------------------------------------|---------------|
| Balance first of year | 2,058,932 |
| Charged water department expense | 2,140,099 |
| Charged electric department expense | |
| Charged gas department expense | |
| Charged sewer department expense | 34,237 |
| Total accruals and other credits | 2,174,336 |
| County, state and local taxes | 2,058,933 |
| Social Security taxes | 138,220 |
| PSC Remainder Assessment | 12,412 |
| Gross Receipts Tax | |
| DNR Water Use Fees | 125 |
| Total payments and other debits | 2,209,690 |
| Balance end of year | 2,023,578 |

Date Printed: 3/26/2021 12:05:15 PM PSCW Annual Report

Interest Accrued (Acct. 237)

- g Report below interest accrued on each utility obligation.
- g Report customer deposits under account 235.

| Description of Issue (a) | Interest Accrued Balance First of Year (b) | Interest Accrued During Year (c) | Interest Paid During Year (d) | Interest Accrued Balance End of Year (e) |
|---|---|--|-------------------------------------|---|
| Bonds (221) | 0 | 0 | 0 | 0 |
| REVENUE BONDS - 2013 ISSUE | 76,310 | 253,931 | 305,241 | 25,000 |
| REVENUE BONDS - 2014 ISSUE | 39,291 | 126,259 | 157,162 | 8,388 |
| REVENUE BONDS - 2015 ISSUE | 48,850 | 194,075 | 195,400 | 47,525 |
| REVENUE BONDS - 2016 ISSUE | 58,488 | 233,950 | 233,950 | 58,488 |
| REVENUE BONDS - 2018 ISSUE | 100,375 | 296,974 | 374,764 | 22,585 |
| REVENUE BONDS - 2020 ISSUE | | 9,116 | 0 | 9,116 |
| REVENUE BONDS - SDWLP 2013 | 2,656 | 15,267 | 15,434 | 2,489 |
| REVENUE BONDS - SDWLP 2018 | 2,031 | 11,822 | 11,912 | 1,941 |
| REVENUE BONDS - SDWLP 2019 | 30,912 | 213,673 | 209,466 | 35,119 |
| WIFIA - 2020 | | 13,332 | 0 | 13,332 |
| Subtotal Bonds (221) | 358,913 | 1,368,399 | 1,503,329 | 223,983 |
| Advances from Municipality (223) | 0 | 0 | 0 | 0 |
| None | | | | 0 |
| Subtotal Advances from Municipality (223) | 0 | 0 | 0 | 0 |
| Other Long-Term Debt (224) | 0 | 0 | 0 | 0 |
| None | | | | 0 |
| Subtotal Other Long-Term Debt (224) | 0 | 0 | 0 | 0 |
| Notes Payable (231) | 0 | 0 | 0 | 0 |
| NOTE PAYABLE 2016 | 59,450 | 327,540 | 354,990 | 32,000 |
| NOTE PAYABLE 2017 | 49,425 | 253,346 | 293,546 | 9,225 |
| Subtotal Notes Payable (231) | 108,875 | 580,886 | 648,536 | 41,225 |
| Customer Deposits (235) | 0 | 0 | 0 | 0 |
| None | | | | 0 |
| Subtotal Customer Deposits (235) | 0 | 0 | 0 | 0 |
| Total | 467,788 | 1,949,285 | 2,151,865 | 265,208 |

Date Printed: 3/26/2021 12:05:16 PM PSCW Annual Report

Report each item (when individually or when like items are combined) greater than \$10,000 (class AB), \$5,000 (class C) and \$2,000 (class D) and all other lesser amounts grouped as Miscellaneous. Describe fully using other than account titles.

| Description (a) | Balance End of Year (b) | |
|--|-------------------------------|--|
| Sinking Funds (125) | 0 | |
| A/N 1250 DEBT PAYMENT FUND | 1,291,521 | |
| A/N 1259 BOND RESERVE FUND | 10 | |
| A/N 1287 TAX EQUIVALENT (PILOT) RESERVE | 2,091,524 | |
| Total (Acct. 125) | 3,383,055 | |
| Depreciation Fund (126) | 0 | |
| A/N 1261 IMPROVEMENT FUND | 154 | |
| A/N 1265 EQUIPMENT REPLACEMENT FUND | 12,518,198 | |
| Total (Acct. 126) | 12,518,352 | |
| Cash and Working Funds (131) | 0 | |
| Cash | 2,493,245 | |
| Total (Acct. 131) | 2,493,245 | |
| Working Funds (135) | 0 | |
| A/N 135 WORKING FUNDS | 605 | |
| Total (Acct. 135) | 605 | |
| Temporary Cash Investments (136) | 0 | |
| A/N 1365 LGIP - GENERAL FUND | 17,835,423 | |
| Total (Acct. 136) | 17,835,423 | |
| Customer Accounts Receivable (142) | 0 | |
| Water | 4,792,559 | |
| A/N 1423 A/R RETURN FLOW CHARGES | 522,585 | |
| Sewer (Regulated) | 1,942,146 | |
| Total (Acct. 142) | 7,257,290 | |
| Other Accounts Receivable (143) | 0 | |
| Sewer (Non-regulated) | | |
| Merchandising, jobbing and contract work | | |
| Total (Acct. 143) | 0 | |
| Receivables from Municipality (145) | 0 | |
| A/N 1449 A/R TAX ROLL - SEWER | 6,130 * | |
| A/N 1450 A/R TAX ROLL - WATER | 462,537 * | |
| A/N 1451 A/R TAX ROLL - RETURN FLOW | 1,812 * | |
| Total (Acct. 145) | 470,479 | |

Date Printed: 3/26/2021 12:05:16 PM

Report each item (when individually or when like items are combined) greater than \$10,000 (class AB), \$5,000 (class C) and \$2,000 (class D) and all other lesser amounts grouped as Miscellaneous. Describe fully using other than account titles.

| Prepayments (165) | 0 |
|---|-----------|
| A/N 1650 PREPAID INS - PLC & WC | 39,210 |
| A/N 1651 PREPAID INS - LT DISABILITY | 510 |
| A/N 1652 PREPAID INS - HEALTH & DENTAL | 67,594 |
| A/N 1653 PREPAID INS - LIFE | 1,840 |
| A/N 1655 PREPAID OTHER | 59,150 |
| Total (Acct. 165) | 168,304 |
| Miscellaneous Current and Accrued Assets (174) | 0 |
| A/N RESTRICTED NET PENSION ASSET | 437,465 |
| Total (Acct. 174) | 437,465 |
| Preliminary Survey and Investigation Charges (183) | 0 |
| A/N 1830 FUTURE WATER SUPPLY | 3,833,949 |
| Total (Acct. 183) | 3,833,949 |
| Miscellaneous Deferred Debits (186) | 0 |
| A/N 1875 DEFERRED OUTFLOW PENSION | 2,062,101 |
| A/N 1876 DEFERRED OUTFLOW - OPEB HLTH INS | 946,693 |
| A/N 1877 DEFERRED OUTFLOW LIFE INS. | 94,665 |
| ROUNDING ADJUSTMENT TO TIE BALANCE SHEET | 2 |
| Total (Acct. 186) | 3,103,461 |
| Accounts Payable (232) | 0 |
| Accounts Payable | 1,152,858 |
| Total (Acct. 232) | 1,152,858 |
| Payables to Municipality (233) | 0 |
| A/N 2331 SEWER USER CHARGES | 3,166,461 |
| A/N 2332 RETURN FLOW USER CHARGES | 846,502 |
| A/N 2336 SEWER CONNECTION FEES | 28,524 |
| Total (Acct. 233) | 4,041,487 |
| Customer Deposits (235) | 0 |
| A/N 2351 CUSTOMER DEPOSITS | 266,085 |
| Fotal (Acct. 235) | 266,085 |
| Fax Collections Payable (241) | 0 |
| A/N 241 TAX COLLECTIONS PAYABLE | 6,724 |
| Total (Acct. 241) | 6,724 |
| Miscellaneous Current and Accrued Liabilities (242) | 0 |

Date Printed: 3/26/2021 12:05:16 PM

Report each item (when individually or when like items are combined) greater than \$10,000 (class AB), \$5,000 (class C) and \$2,000 (class D) and all other lesser amounts grouped as Miscellaneous. Describe fully using other than account titles.

| 259,878 |
|-------------|
| 259,878 |
| 0 |
| 573,316 |
| 2,343,242 |
| 37,124 |
| (562,934) * |
| 5,110,572 |
| (319,805) * |
| 238,587 |
| (181,046) * |
| 78,128 |
| 7,317,184 |
| |

Date Printed: 3/26/2021 12:05:16 PM PSCW Annual Report

Report each item (when individually or when like items are combined) greater than \$10,000 (class AB), \$5,000 (class C) and \$2,000 (class D) and all other lesser amounts grouped as Miscellaneous. Describe fully using other than account titles.

Balance Sheet Detail - Other Accounts (Page F-22)

Explain amounts in Accounts 143, 145 and/or 233 in excess of \$10,000. Provide a short list or detailed description, but do not use terms such as other revenues, general, miscellaneous, or repeat the account title.

A/N 1449 A/R Tax Roll . Asewer: This account represents the tax roll invoice sent to the City that remains outstanding as of 12/31/2020.

A/N 1450 A/R Tax Roll . ÁWater: This account represents the tax roll invoice sent to the City that remains outstanding as of 12/31/2020.

A/N 1451 A/R Tax Roll . ÁReturn Flow: This account represents the tax roll invoice sent to the City that remains outstanding as of 12/31/2020.

A/N 2331 A/P Sewer User Charges: This account represents all sewer user charges payable to the City as of 12/31/2020.

A/N 2332 A/P Return Flow User Charges: This account represents all return flow user charges payable to the City as of 12/31/2020.

A/N 2336 A/P Sewer Connection Fees: This account represents all sewer connection fees payable to the City as of 12/31/2020.

General Footnote

A/N 2530-100 Regulatory Liability Pension . Áncludes PSC vs. GASB 68 adjustment of (\$562,934). A/N 2532-100 Regulatory Liability OPEB (Health) . Áncludes PSC vs. GASB 75 adjustment of (\$319,805).

A/N 2534-100 Regulatory Liability OPEB (Life) . Áncludes PSC vs. GASB 75 adjustment of (\$181,046).

Date Printed: 3/26/2021 12:05:16 PM PSCW Annual Report

Return on Rate Base Computation

- g The data used in calculating rate base are averages.
- g Calculate those averages by summing the first-of-year and the end-of-year figures for each account and then dividing the sum by two.
- g For municipal utilities, do not include contributed plant in service, property held for future use, or construction work in progress with utility plant in service. These are not rate base components.
- g For private utilities, do not include property held for future use, or construction work in progress with utility plant in service. These are not rate base components.

| Average Rate Base (a) | Water (b) | Electric (c) | Gas (d) | Sewer (e) | Total (f) |
|--|--------------|-----------------|------------|--------------|--------------|
| Add Average | | | | | |
| Utility Plant in Service (101.1) | 93,602,225 | | | | 93,602,225 |
| Materials and Supplies | 372,664 | | | | 372,664 |
| Less Average | | | | | |
| Reserve for Depreciation (111.1) | 23,054,426 | | | | 23,054,426 |
| Customer Advances for Construction | | | | | 0 |
| Regulatory Liability | 668,869 | | | | 668,869 |
| Average Net Rate Base | 70,251,594 | 0 | 0 | 0 | 70,251,594 |
| Net Operating Income | 2,623,243 | | | | 2,623,243 |
| Net Operating Income as a percent of Average Net Rate Base | 3.73% | N/A | N/A | N/A | 3.73% |

Date Printed: 3/26/2021 12:05:17 PM PSCW Annual Report

Regulatory Liability - Pre-2003 Historical Accumulated Depreciation on Contributed Utility Plant (253)

| Description (a) | Water (b) | Electric (c) | Gas (d) | Sewer (e) | Total (f) |
|----------------------------------|--------------|-----------------|------------|--------------|--------------|
| Balance First of Year | 764,422 | 0 | 0 | 0 | 764,422 |
| Credits During Year | | | | | 0 |
| None | | | | | 0 |
| Charges (Deductions) | | | | | 0 |
| Miscellaneous Amortization (425) | 191,106 | | | | 191,106 |
| Balance End of Year | 573,316 | 0 | 0 | 0 | 573,316 |

Date Printed: 3/26/2021 12:05:17 PM PSCW Annual Report

Important Changes During the Year

Report changes of any of the following types:

1. Acquisitions

None.

2. Leaseholder changes

None.

3. Extensions of service

Developers completed improvements in 2020.

4. Estimated changes in revenues due to rate changes

5. Obligations incurred or assumed, excluding commercial paper

A long-term WIFIA Loan for \$137,100,000 was issued to the City of Waukesha on behalf of the Utility on 8/6/2020. A long-term General Obligation Refunding Bond for \$9,050,000 was issued to the City of Waukesha on behalf of the Utility on 12/3/2020 to advance refund \$5,080,000 of 2013 General Obligation Refunding Bonds and \$2,905,000 of 2014 General Obligation Refunding Bonds.

6. Formal proceedings with the Public Service Commission

1.) Docket #6240-GF-100 Great Lakes Diversion Project Application 2.) Docket #6240-WR-110 Adjust Water Rates 3.) Docket #6240-CW-117 Construct Water Transmission Main, a Booster Station, Reservoirs and a Water Supply Control Building in the City of Waukesha, the City of West Allis, the City of Greenfield, the City of New Berlin, and the Town (Village) of Waukesha, Waukesha County, and in the City of Milwaukee, Milwaukee County, Wisconsin

7. Any additional matters None.

Date Printed: 3/26/2021 12:05:18 PM

Water Operating Revenues & Expenses

| Description (a) | This Year (b) | Last Year (c) |
|--|------------------|------------------|
| Operating Revenues - Sales of Water | | |
| Sales of Water (460-467) | 11,149,603 | 11,257,750 |
| Total Sales of Water | 11,149,603 | 11,257,750 |
| Other Operating Revenues | | |
| Forfeited Discounts (470) | 69,482 | 150,238 |
| Rents from Water Property (472) | 245,908 | 230,640 |
| Interdepartmental Rents (473) | 0 | 0 |
| Other Water Revenues (474) | 45,083 | 89,457 |
| Total Other Operating Revenues | 360,473 | 470,335 |
| Total Operating Revenues | 11,510,076 | 11,728,085 |
| Operation and Maintenenance Expenses | | |
| Source of Supply Expense (600-617) | 609,790 | 614,672 |
| Pumping Expenses (620-633) | 837,957 | 1,015,583 |
| Water Treatment Expenses (640-652) | 459,986 | 448,424 |
| Transmission and Distribution Expenses (660-678) | 1,073,529 | 1,640,957 |
| Customer Accounts Expenses (901-906) | 343,005 | 221,793 |
| Sales Expenses (910) | 0 | 0 |
| Administrative and General Expenses (920-932) | 1,484,300 | 1,429,863 |
| Total Operation and Maintenenance Expenses | 4,808,567 | 5,371,292 |
| Other Operating Expenses | | |
| Depreciation Expense (403) | 1,938,167 | 1,857,800 |
| Amortization Expense (404-407) | | |
| Taxes (408) | 2,140,099 | 2,178,084 |
| Total Other Operating Expenses | 4,078,266 | 4,035,884 |
| Total Operating Expenses | 8,886,833 | 9,407,176 |
| NET OPERATING INCOME | 2,623,243 | 2,320,909 |

Water Operating Revenues - Sales of Water

- g Where customer meters record cubic feet, multiply by 7.48 to obtain number of gallons.
- g Report estimated gallons for unmetered sales.
- g Sales to multiple dwelling buildings through a single meter serving 3 or more family units should be classified multifamily residential.
- g Account 460, Unmetered Sales to General Customers Gallons of Water Sold should not include in any way quantity of water, i.e. metered or measured by tank of pool volume. The quantity should be estimated based on size of pipe, flow, foot of frontage, etc. Bulk water sales should be Account 460 if the quantity is estimated and should be Account 461 if metered or measured by volume. Water related to construction should be a measured sale of water (Account 461).
- g Report average number of individually-metered accounts (meters). The amount reported should be the average meter count. E.g. if a hospital has 5 meters, a total of 5 meters should be reported on this schedule in column b (Average No. of Customers).
- g Do not include meters or revenue billed under Schedule Am-1 (Additional Meter Rental Charge) in Account 461. Record revenues billed under Schedule Am-1 in Account 474.

| Description (a) | Average No. Customer (b) | Customer of Water Sold Amount | |
|--|--------------------------------|-------------------------------|------------|
| Unmetered Sales to General Customers (460) | | | |
| Residential (460.1) | | | |
| Commercial (460.2) | | | |
| Industrial (460.3) | | | |
| Public Authority (460.4) | | | |
| Multifamily Residential (460.5) | | | |
| Irrigation (460.6) | | | |
| Total Unmetered Sales to General Customers (460) | 0 | 0 | 0 |
| Metered Sales to General Customers (461) | | | |
| Residential (461.1) | 17,885 | 903,020 | 4,974,941 |
| Commercial (461.2) | 1,267 | 299,397 | 1,310,555 |
| Industrial (461.3) | 147 | 161,294 | 572,953 |
| Public Authority (461.4) | 119 | 47,757 | 213,159 |
| Multifamily Residential (461.5) | 1,028 | 372,943 | 1,594,493 |
| Irrigation (461.6) | 137 | 6,206 | 52,098 |
| Total Metered Sales to General Customers (461) | 20,583 | 1,790,617 | 8,718,199 |
| Private Fire Protection Service (462) | 1 | | 261,546 |
| Public Fire Protection Service (463) | 1 | | 2,169,858 |
| Other Water Sales (465) | | | |
| Sales for Resale (466) | 0 | 0 | 0 |
| Interdepartmental Sales (467) | | | |
| Total Sales of Water | 20,585 | 1,790,617 | 11,149,603 |

Sales for Resale (Acct. 466)

Use a separate line for each delivery point.

--- THIS SCHEDULE NOT APPLICABLE TO THIS UTILITY---

Other Operating Revenues (Water)

- g Report revenues relating to each account and fully describe each item using other than the account title.
- g Report each item (when individually or when like items are combined) greater than \$10,000 (class AB), \$5,000 (class C) and \$2,000 (class D and privates) and all other lesser amounts grouped as Miscellaneous.
- g For a combined utility which also provides sewer service that is based upon water readings, report the return on net investment in meters charged to sewer department in Other Water Revenues (474).

| Description (a) | Amount (b) |
|--|---------------|
| Public Fire Protection Service (463) | |
| Amount billed (usually per rate schedule F-1 or Fd-1) | 2,169,858 |
| Wholesale fire protection billed | |
| Amount billed for fighting fires outside utility's service areas (usually per rate schedule F-2 or BW-1) | |
| Total Public Fire Protection Service (463) | 2,169,858 |
| Forfeited Discounts (470) | |
| Customer late payment charges | 69,482 |
| Total Forfeited Discounts (470) | 69,482 |
| Rents from Water Property (472) | |
| Rent of tower for cellular antennas | 245,908 |
| Total Rents from Water Property (472) | 245,908 |
| Interdepartmental Rents (473) | |
| None | |
| Total Interdepartmental Rents (473) | 0 |
| Other Water Revenues (474) | |
| Return on net investment in meters charged to sewer department | 43,122 |
| A/N 474 - MISC SERVICE REVENUES | 46,206 * |
| INTEREST CHARGES | (44,245) * |
| Total Other Water Revenues (474) | 45,083 |

Other Operating Revenues (Water)

- g Report revenues relating to each account and fully describe each item using other than the account title.
- g Report each item (when individually or when like items are combined) greater than \$10,000 (class AB), \$5,000 (class C) and \$2,000 (class D and privates) and all other lesser amounts grouped as Miscellaneous.
- g For a combined utility which also provides sewer service that is based upon water readings, report the return on net investment in meters charged to sewer department in Other Water Revenues (474).

Other Operating Revenues (Water) (Page W-04)

Explain all amounts in Account 474 in excess of \$10,000.

A/N 474 Interest Charges . Æ eported as a debit balance because of a year-end accrual for water revenue, but not billed (\$44,245.24). Actual interest charges less the accrual were \$1,190.82.

General Footnote

A/N 471 Misc Service Revenues - \$46,206.40 includes fees for lateral connection administration, bill status letters, special reads, reconnection/reinstallation, fire flow tests, private well permits, and vacuum breakers.

- g Each expense account that has a difference between This Year and Last Year greater than 15 percent and \$10,000 (class AB), 15 percent and \$5,000 (class C), 15 percent and \$1,000 (class D) shall be fully explained. Please include breakdown of costs that contributed to the difference. Please reference the help document for more information.
- g Class C and class D report all expenses in Other Expense (column c)

| Description (a) | Labor Expense (b) | Other Expense (c) | Total This Year (d) | Last Year (e) |
|---|-------------------------|-------------------------|---------------------------|------------------|
| SOURCE OF SUPPLY EXPENSES | | | | |
| Operation Supervision and Engineering (600) | | | 0 | 2,725 |
| Operation Labor and Expenses (601) | | | 0 | 0 |
| Purchased Water (602) | | | 0 | 0 |
| Miscellaneous Expenses (603) | | 591,491 | 591,491 | 592,001 |
| Rents (604) | | | 0 | 0 |
| Maintenance Supervision and Engineering (610) | 13,878 | | 13,878 | 16,346 |
| Maintenance of Structures and Improvements (611) | | | 0 | 0 |
| Maintenance of Collecting and Impounding Reservoirs (612) | | | 0 | 0 |
| Maintenance of Lake, River and Other Intakes (613) | | | 0 | 0 |
| Maintenance of Wells and Springs (614) | 421 | 4,000 | 4,421 | 3,600 |
| Maintenance of Supply Mains (616) | | | 0 | 0 |
| Maintenance of Miscellaneous Water Source Plant (617) | | | 0 | 0 |
| Total Source of Supply Expenses | 14,299 | 595,491 | 609,790 | 614,672 |
| PUMPING EXPENSES | | | | |
| Operation Supervision and Engineering (620) | 16,324 | | 16,324 | 38,911 * |
| Fuel for Power Production (621) | | | 0 | 0 |
| Power Production Labor and Expenses (622) | | | 0 | 0 |
| Fuel or Power Purchased for Pumping (623) | | 638,078 | 638,078 | 673,407 |
| Pumping Labor and Expenses (624) | 31,202 | 226 | 31,428 | 30,700 |
| Expenses TransferredCredit (625) | | | 0 | 0 |
| Miscellaneous Expenses (626) | 4,494 | 26,035 | 30,529 | 29,489 |
| Rents (627) | | | 0 | 0 |
| Maintenance Supervision and Engineering (630) | 17,094 | | 17,094 | 9,202 |
| Maintenance of Structures and Improvements (631) | 26,932 | 16,679 | 43,611 | 77,122 * |
| Maintenance of Power Production Equipment (632) | | | 0 | 0 |
| Maintenance of Pumping Equipment (633) | 26,310 | 34,583 | 60,893 | 156,752 * |
| Total Pumping Expenses | 122,356 | 715,601 | 837,957 | 1,015,583 |
| WATER TREATMENT EXPENSES | | | | |
| Operation Supervision and Engineering (640) | 8,900 | | 8,900 | 16,428 |
| Chemicals (641) | | 147,357 | 147,357 | 144,488 |
| Operation Labor and Expenses (642) | 106,225 | 175,489 | 281,714 | 260,494 |
| Miscellaneous Expenses (643) | | 408 | 408 | 340 |
| Rents (644) | | | 0 | 0 |
| Maintenance Supervision and Engineering (650) | | | 0 | 0 |
| Maintenance of Structures and Improvements (651) | | 1,936 | 1,936 | 292 |
| Maintenance of Water Treatment Equipment (652) | 9,724 | 9,947 | 19,671 | 26,382 |
| Total Water Treatment Expenses | 124,849 | 335,137 | 459,986 | 448,424 |
| TRANSMISSION AND DISTRIBUTION EXPENSES | | | | |
| Operation Supervision and Engineering (660) | 38,460 | 225 | 38,685 | 40,052 |
| | | | | |

- g Each expense account that has a difference between This Year and Last Year greater than 15 percent and \$10,000 (class AB), 15 percent and \$5,000 (class C), 15 percent and \$1,000 (class D) shall be fully explained. Please include breakdown of costs that contributed to the difference. Please reference the help document for more information.
- g Class C and class D report all expenses in Other Expense (column c)

| Description (a) | Labor Expense (b) | Other Expense (c) | Total This Year (d) | Last Year (e) |
|---|-------------------------|-------------------------|---------------------------|------------------|
| Storage Facilities Expenses (661) | 5,627 | 198,033 | 203,660 | 295,899 * |
| Transmission and Distribution Lines Expenses (662) | 92,311 | 19,760 | 112,071 | 138,146 * |
| Meter Expenses (663) | 44,688 | 2,812 | 47,500 | 64,567 * |
| Customer Installations Expenses (664) | 2,713 | (6) | 2,707 | 21,850 * |
| Miscellaneous Expenses (665) | 73,821 | 63,784 | 137,605 | 119,438 |
| Rents (666) | | | 0 | 0 |
| Maintenance Supervision and Engineering (670) | 31,553 | | 31,553 | 32,319 |
| Maintenance of Structures and Improvements (671) | | | 0 | 0 |
| Maintenance of Distribution Reservoirs and Standpipes (672) | | 9 | 9 | 73 |
| Maintenance of Transmission and Distribution Mains (673) | 144,934 | 176,667 | 321,601 | 505,636 * |
| Maintenance of Services (675) | 32,945 | 63,088 | 96,033 | 328,126 * |
| Maintenance of Meters (676) | 1,726 | 1,442 | 3,168 | 2,717 |
| Maintenance of Hydrants (677) | 16,855 | 46,182 | 63,037 | 62,705 |
| Maintenance of Miscellaneous Plant (678) | 12,407 | 3,493 | 15,900 | 29,429 * |
| Total Transmission and Distribution Expenses | 498,040 | 575,489 | 1,073,529 | 1,640,957 |
| CUSTOMER ACCOUNTS EXPENSES | | | | |
| Supervision (901) | 12,035 | | 12,035 | 13,732 |
| Meter Reading Expenses (902) | 11,627 | 1,347 | 12,974 | 10,404 |
| Customer Records and Collection Expenses (903) | 103,877 | 22,980 | 126,857 | 123,301 |
| Uncollectible Accounts (904) | | 6,507 | 6,507 | 6,594 |
| Miscellaneous Customer Accounts Expenses (905) | 114,847 | 7,514 | 122,361 | 5,491 * |
| Customer Service and Informational Expenses (906) | 17,352 | 44,919 | 62,271 | 62,271 |
| Total Customer Accounts Expenses | 259,738 | 83,267 | 343,005 | 221,793 |
| SALES EXPENSES | | | | |
| Sales Expenses (910) | | | 0 | 0 |
| Total Sales Expenses | 0 | 0 | 0 | 0 |
| ADMINISTRATIVE AND GENERAL EXPENSES | | | | |
| Administrative and General Salaries (920) | 392,096 | (903) | 391,193 | 404,745 |
| Office Supplies and Expenses (921) | 36,210 | 253,760 | 289,970 | 299,488 |
| Administrative Expenses TransferredCredit (922) | 185,878 | 359,339 | 545,217 | 522,219 |
| Outside Services Employed (923) | | 32,590 | 32,590 | 60,206 * |
| Property Insurance (924) | | 77,211 | 77,211 | 69,902 |
| Injuries and Damages (925) | | 23,145 | 23,145 | 27,431 |
| Employee Pensions and Benefits (926) | | 914,563 | 914,563 | 849,688 |
| Regulatory Commission Expenses (928) | 15,053 | 23,230 | 38,283 | 26,930 * |
| Duplicate ChargesCredit (929) | | | 0 | 0 |
| Miscellaneous General Expenses (930) | 42,687 | 45,560 | 88,247 | 37,767 * |
| Rents (931) | | | 0 | 0 |
| Maintenance of General Plant (932) | 61,349 | 112,966 | 174,315 | 175,925 |
| Total Administrative and General Expenses | 361,517 | 1,122,783 | 1,484,300 | 1,429,863 |

- g Each expense account that has a difference between This Year and Last Year greater than 15 percent and \$10,000 (class AB), 15 percent and \$5,000 (class C), 15 percent and \$1,000 (class D) shall be fully explained. Please include breakdown of costs that contributed to the difference. Please reference the help document for more information.
- g Class C and class D report all expenses in Other Expense (column c)

| Description | Labor Expense | Other Expense | Total This Year | Last Year | |
|--|------------------|------------------|--------------------|-----------|----|
| (a) | (b) | (c) | (d) | (e) | |
| TOTAL OPERATION AND MAINTENANCE EXPENSES | 1,380,799 | 3,427,768 | 4,808,567 | 5,371,292 | 81 |

- g Each expense account that has a difference between This Year and Last Year greater than 15 percent and \$10,000 (class AB), 15 percent and \$5,000 (class C), 15 percent and \$1,000 (class D) shall be fully explained. Please include breakdown of costs that contributed to the difference. Please reference the help document for more information.
- g Class C and class D report all expenses in Other Expense (column c)

Water Operation & Maintenance Expenses (Page W-05)

Explain all negative This Year amounts.

a/n 664 Customer installations expenses - A vacuum breaker was purchased from a resident.

a/n 920 Administrative and general salaries - A reversal of a 2019 accrued payroll entry was made.

Explain all This Year amounts that are more than 15% and \$10,000 higher or lower than the Last Year amount. Please see the help document for examples.

a/n 620 Operation supervision and engineering - 58% Decrease - There was a labor allocation shift after an employee retired in 2019.

a/n 631 Maintenance of Structures & Improvements - 43% Decrease - In 2019, dehumidifiers were purchased for several stations, doors were replaced at three facilities and locks were also replaced at multiple locations. Labor decreased in 2020 because the Utility was following COVID safety guidelines.

a/n 633 Maintenance of Pumping Equipment - 61% Decrease - In 2019, a temporary pump/motor was installed and removed at well #10 and a pump was repaired at well #8. A splice failed on the cable (for power) at well #6. Everything had to be pulled to fix the splice. Insurance covered all costs except WWU labor. That labor was booked here in 2019.

a/n 661 Storage Facilities Expense - 31% Decrease - Hunter tower was re-painted in 2019 and is larger than the Meadowbrook Tower which was re-painted in 2020.

a/n 662 Transmission and distribution expenses - 19% Decrease - The Spring flushing program was not done in 2020, and the fall flush was scaled back because uni-directional flushing was also performed. 2019 had a more typical flushing program.

a/n 663 Meter expenses - 26% Decrease - Meter change-outs decreased in 2020 because the Utility was following COVID safety guidelines.

a/n 664 Customer Installation Expense - 88% Decrease - Commercial cross connection was postponed for the majority of the year in 2020 because of COVID. Residential cross connection was also suspended due to COVID. Both are anticipated to resume in 2021.

a/n 673 Maintenance of Transmission & Distribution Mains - 36% Decrease - 2019 had nearly twice the number of main breaks that 2020 had. In 2019, insulation was installed on some water main because of the close proximity of storm sewer (part of Greenmeadow project). Restoration costs associated with a prior year/closed project were greater in 2019.

a/n 675 Maintenance of Services - 71% Decrease - Additional street service tie-overs occurred in 2019 (water main replacement projects). Because the tie-over did not replace more than 50% of the street service, the tie-over was expensed. An increased number of iron property service replacements were replaced in 2019 in preparation for the new water supply. Because of COVID, the Utility did not replace as many services in 2020. The Utility has 48 remaining property services that are budgeted to be completed in 2021.

a/n 678 Maintenance of miscellaneous plant - 46% Decrease - Less SCADA maintenance was performed in 2020 because of COVID.

a/n 905 - Miscellaneous customer accounts expenses - 2128% Increase - All Utility costs associated with COVID were booked to 9050 in 2020.

a/n 923 Outside Services Employed - 46% Decrease - A compensation study update was performed in 2019.

a/n 928 Regulatory Commission Expenses - 42% Increase - A rate case was submitted to the PSC in 2019. Work on that rate case increased in 2020 and included invoices from the PSC and the Utility's attorney.

a/n 930 Miscellaneous general expenses - 134% Increase - A risk and resiliency study was performed by staff in 2020. Bonuses were issued in 2020.

Taxes (Acct. 408 - Water)

When allocation of taxes is made between departments, explain method used.

| Description of Tax (a) | This Year (b) | Last Year (c) | |
|---|------------------|------------------|---|
| Property Tax Equivalent | 2,023,579 | 2,058,933 | 1 |
| Less: Local and School Tax Equivalent on Meters Charged to Sewer Department | 34,237 | 36,393 | 2 |
| Net Property Tax Equivalent | 1,989,342 | 2,022,540 | 3 |
| Social Security | 138,220 | 143,938 | 4 |
| PSC Remainder Assessment | 12,412 | 11,481 | 5 |
| DNR WATER USE FEE | 125 | 125 | 6 |
| Total Tax Expense | 2,140,099 | 2,178,084 | 7 |

Water Property Tax Equivalent - Detail

- g No property tax equivalent shall be determined for sewer utilities or town sanitary district water utilities.
- g Tax rates are those issued in November (usually) of the year being reported and are available from the municipal treasurer. Report the tax rates in mills to six (6) decimal places.
- g The assessment ratio is available from the municipal treasurer. Report the ratio as a decimal to six (6) places.
- The utility plant balance first of year should include the gross book values of plant in service (total of utility financed and contributed plant), property held for future use and construction work in progress.
- An "other tax rate" is included in the "Net Local and School Tax Rate Calculation" to the extent that it is local. An example is a local library tax. Fully explain the rate in the Property Tax Equivalent schedule footnotes.
- g Property Tax Equivalent Total

If the municipality has authorized a lower tax equivalent amount, the authorization description and date of the authorization must be l^][|c^å/sa/ka@/sa/^ka@/sa/|/ka|c/|/ka|c/|/ka|c/|/ka|c/|/ka|c/|/ka|c/|/ka|c/|/ka|c/|/ka|c/|/ka|c/|/ka|c/|/ka|c/|/ka|c/|/ka|c/|/ka|c/|/ka|c/|/ka|c/|/ka|c/|/ka|c/|/ka|c/|/ka|c/|/ka|c/|/ka|c/|/ka|c/|/ka|c/|/ka|c/|/ka|c/|/ka|c/|/ka|c/|/ka|c/|/ka|c/|/ka|c/|/ka|c/|/ka|c/|/ka|c/|/ka|c/|/ka|c/|/ka|c/|/ka|c/|/ka|c/|/ka|c/|/ka|c/|/ka|c/|/ka|c/|/ka|c/|/ka|c/|/ka|c/|/ka|c/|/ka|c/|/ka|c/|/ka|c/|/ka|c/|/ka|c/|/ka|c/|/ka|c/|/ka|c/|/ka|c/|/ka|c/|/ka|c/|/ka|c/|/ka|c/|/ka|c/|/ka|c/|/ka|c/|/ka|c/|/ka|c/|/ka|c/|/ka|c/|/ka|c/|/ka|c/|/ka|c/|/ka|c/|/ka|c/|/ka|c/|/ka|c/|/ka|c/|/ka|c/|/ka|c/|/ka|c/|/ka|c/|/ka|c/|/ka|c/|/ka|c/|/ka|c/|/ka|c/|/ka|c/|/ka|c/|/ka|c/|/ka|c/|/ka|c/|/ka|c/|/ka|c/|/ka|c/|/ka|c/|/ka|c/|/ka|c/|/ka|c/|/ka|c/|/ka|c/|/ka|c/|/ka|c/|/ka|c/|/ka|c/|/ka|c/|/ka|c/|/ka|c/|/ka|c/|/ka|c/|/ka|c/|/ka|c/|/ka|c/|/ka|c/|/ka|c/|/ka|c/|/ka|c/|/ka|c/|/ka|c/|/ka|c/|/ka|c/|/ka|c/|/ka|c/|/ka|c/|/ka|c/|/ka|c/|/ka|c/|/ka|c/|/ka|c/|/ka|c/|/ka|c/|/ka|c/|/ka|c/|/ka|c/|/ka|c/|/ka|c/|/ka|c/|/ka|c/|/ka|c/|/ka|c/|/ka|c/|/ka|c/|/ka|c/|/ka|c/|/ka|c/|/ka|c/|/ka|c/|/ka|c/|/ka|c/|/ka|c/|/ka|c/|/ka|c/|/ka|c/|/ka|c/|/ka|c/|/ka|c/|/ka|c/|/ka|c/|/ka|c/|/ka|c/|/ka|c/|/ka|c/|/ka|c/|/ka|c/|/ka|c/|/ka|c/|/ka|c/|/ka|c/|/ka|c/|/ka|c/|/ka|c/|/ka|c/|/ka|c/|/ka|c/|/ka|c/|/ka|c/|/ka|c/|/ka|c/|/ka|c/|/ka|c/|/ka|c/|/ka|c/|/ka|c/|/ka|c/|/ka|c/|/ka|c/|/ka|c/|/ka|c/|/ka|c/|/ka|c/|/ka|c/|/ka|c/|/ka|c/|/ka|c/|/ka|c/|/ka|c/|/ka|c/|/ka|c/|/ka|c/|/ka|c/|/ka|c/|/ka|c/|/ka|c/|/ka|c/|/ka|c/|/ka|c/|/ka|c/|/ka|c/|/ka|c/|/ka|c/|/ka|c/|/ka|c/|/ka|c/|/ka|c/|/ka|c/|/ka|c/|/ka|c/|/ka|c/|/ka|c/|/ka|c/|/ka|c/|/ka|c/|/ka|c/|/ka|c/|/ka|c/|/ka|c/|/ka|c/|/ka|c/|/ka|c/|/ka|c/|/ka|c/|/ka|c/|/ka|c/|/ka|c/|/ka|c/|/ka|c/|/ka|c/|/ka|c/|/ka|c/|/ka|c/|/ka|c/|/ka|c/|/ka|c/|/ka|c/|/ka|c/|/ka|c/|/ka|c/|/ka|c/|/ka|c/|/ka|c/|/ka|c/|/ka|c/|/ka|c/|/ka|c/|/ka|c/|/ka|c/|/ka|c/|/ka|c/|/ka|c/|/ka|c/|/ka|c/|/ka|c/|/ka|c/|/ka|c/|/ka|c/|/ka|c/|/ka|c/|/ka|c/|/ka|c/|/ka|c/|/ka|c/|

| | | (| COUNTY: WAUKESHA(1) |
|-------------------------------|-------|-----------|----------------------|
| SUMMARY OF TAX RATES | | | PROPERTY TAX |
| 1. State Tax Rate | mills | 0.000000 | 12. Local Tax Ra |
| 2. County Tax Rate | mills | 1.850000 | 13. Combined So |
| 3. Local Tax Rate | mills | 10.460000 | 14. Other Tax Ra |
| 4. School Tax Rate | mills | 8.450000 | 15. Total Local 8 |
| 5. Vocational School Tax Rate | mills | 0.370000 | 16. Total Tax Ra |
| 6. Other Tax Rate - Local | mills | 0.000000 | 17. Ratio of Loca |
| 7. Other Tax Rate - Non-Local | mills | 0.000000 | 18. Total Tax Ne |
| 8. Total Tax Rate | mills | 21.130000 | 19. Net Local and |
| 9. Less: State Credit | mills | 1.360000 | 20. Utility Plant, J |
| 11. Net Tax Rate | mills | 19.770000 | 21. Materials & S |

| PROPERTY TAX EQUIVALENT CALCULATIO 12. Local Tax Rate | mills | 10.460000 |
|--|-------|-------------|
| | | |
| 13. Combined School Tax Rate | mills | 8.820000 |
| 14. Other Tax Rate - Local | mills | 0.000000 |
| 15. Total Local & School Tax Rate | mills | 19.280000 |
| 16. Total Tax Rate | mills | 21.130000 |
| 17. Ratio of Local and School Tax to Total | dec. | 0.912447 |
| 18. Total Tax Net of State Credit | mills | 19.770000 |
| 19. Net Local and School Tax Rate | mills | 18.039072 |
| 20. Utility Plant, Jan 1 | \$ | 133,863,755 |
| 21. Materials & Supplies | \$ | 390,977 |
| 22. Subtotal | \$ | 134,254,732 |
| 23. Less: Plant Outside Limits | \$ | 6,107,525 |
| 24. Taxable Assets | \$ | 128,147,207 |
| 25. Assessment Ratio | dec. | 0.951000 |
| 26. Assessed Value | \$ | 121,867,994 |
| 27. Net Local and School Tax Rate | mills | 18.039072 |
| 28. Tax Equiv. Computed for Current Year | \$ | 2,198,386 |

| PROPERTY TAX EQUIVALENT - TOTAL | | | | |
|--|----|-------------|--|--|
| PROPERTY TAX EQUIVALENT CALCULATION | | | | |
| 1. Utility Plant, Jan 1 | \$ | 133,863,755 | | |
| 2. Materials & Supplies | \$ | 390,977 | | |
| 3. Subtotal | \$ | 134,254,732 | | |
| 4. Less: Plant Outside Limits | \$ | 6,107,525 | | |
| 5. Taxable Assets | \$ | 128,147,207 | | |
| 6. Assessed Value | \$ | 121,867,994 | | |
| 7. Tax Equiv. Computed for Current Year | \$ | 2,198,386 | | |
| 8. Tax Equivalent per 1994 PSC Report | \$ | 840,079 | | |
| 9. Amount of Lower Tax Equiv. as Authorized by Municipality for Current Year (see notes) | \$ | 2,023,579 | | |
| 10. Tax Equivalent for Current Year (see notes) | \$ | 2,023,579 | | |

Water Property Tax Equivalent - Detail

- g No property tax equivalent shall be determined for sewer utilities or town sanitary district water utilities.
- g Tax rates are those issued in November (usually) of the year being reported and are available from the municipal treasurer. Report the tax rates in mills to six (6) decimal places.
- g The assessment ratio is available from the municipal treasurer. Report the ratio as a decimal to six (6) places.
- g The utility plant balance first of year should include the gross book values of plant in service (total of utility financed and contributed plant), property held for future use and construction work in progress.
- g An "other tax rate" is included in the "Net Local and School Tax Rate Calculation" to the extent that it is local. An example is a local library tax. Fully explain the rate in the Property Tax Equivalent schedule footnotes.

Water Property Tax Equivalent - Total (Page W-07)

Lower Tax Equivalent authorized by municipality is greater than or equal to zero, please explain.

The Lower Tax Equivalent for 2020 was lower because we use an equivalent from the 2018 report. Due to timing and budgets, the Utility and the City have agreed to this two-year cycle (reported in 2018, calculated in 2019, expensed in 2020) verified in a memo dated 2/7/2012.

Water Utility Plant in Service - Plant Financed by Utility or Municipality

- g All adjustments, corrections and reclassifications (including to/from plant financed by contributions) should be reported in Column (e), Adjustments.
- g Explain fully as a footnote the nature of all entries reported in Column (e), Adjustments.
- g For each account over \$50,000 (class AB) or \$25,000 (class C) or \$10,000 (class D), explain in the footnotes section the dollar additions and retirements. If applicable, the footnotes should cite construction authorization, complete with PSC docket number.
- g Use only the account titles listed. If the utility has subaccounts other than accounts 391.1 and 397.1, combine them into one total and detail by subaccount as a schedule footnote.
- g The treatment plant accounts have changed since 2008 and that they should confirm the dollar amounts are in the right account.
- g PSC Uniform System of Accounts

| Accounts (a) | Balance First of Year (b) | Additions During Year (c) | Retirements During Year (d) | Adjustments Increase or (Decrease) (e) | Balance End of Year (f) |
|--|---------------------------------|---------------------------------|-----------------------------------|---|-------------------------------|
| INTANGIBLE PLANT | | | | | |
| Organization (301) | 0 | | | | 0 |
| Franchises and Consents (302) | 0 | | | | 0 |
| Miscellaneous Intangible Plant (303) | 0 | | | | 0 |
| Total Intangible Plant | 0 | 0 | 0 | 0 | 0 |
| SOURCE OF SUPPLY PLANT | | | | | |
| Land and Land Rights (310) | 204,625 | | | | 204,625 |
| Structures and Improvements (311) | 0 | | | | 0 |
| Collecting and Impounding Reservoirs (312) | 0 | | | | 0 |
| Lake, River and Other Intakes (313) | 0 | | | | 0 |
| Wells and Springs (314) | 1,507,630 | | | | 1,507,630 |
| Supply Mains (316) | 1,084,144 | | | | 1,084,144 |
| Other Water Source Plant (317) | 0 | | | | 0 |
| Total Source of Supply Plant | 2,796,399 | 0 | 0 | 0 | 2,796,399 |
| PUMPING PLANT | | | | | |
| Land and Land Rights (320) | 181,670 | | | | 181,670 |
| Structures and Improvements (321) | 3,969,836 | 17,881 | 12,543 | (78,886) | 3,896,288 * |
| Other Power Production Equipment (323) | 0 | | | | 0 |
| Electric Pumping Equipment (325) | 4,223,075 | 67,424 | 11,373 | | 4,279,126 * |
| Diesel Pumping Equipment (326) | 0 | | | | 0 |
| Other Pumping Equipment (328) | 0 | | | | 0 |
| Total Pumping Plant | 8,374,581 | 85,305 | 23,916 | (78,886) | 8,357,084 |
| WATER TREATMENT PLANT | | | | | |
| Land and Land Rights (330) | 0 | | | | 0 |
| Structures and Improvements (331) | 2,147,280 | | | | 2,147,280 |
| Sand or Other Media Filtration Equipment (332) | 371,206 | | | | 371,206 |
| Membrane Filtration Equipment (333) | 0 | | | | 0 |
| Other Water Treatment Equipment (334) | 1,473,714 | | | | 1,473,714 |
| Total Water Treatment Plant | 3,992,200 | 0 | 0 | 0 | 3,992,200 |
| TRANSMISSION AND DISTRIBUTION PLANT | | | | | |
| Land and Land Rights (340) | 110,083 | | | | 110,083 |
| Structures and Improvements (341) | 0 | | | | 0 |
| Distribution Reservoirs and Standpipes (342) | 6,469,100 | - | | | 6,469,100 |
| Transmission and Distribution Mains (343) | 49,530,692 | 2,314,761 | 123,775 | | 51,721,678 * |
| Services (345) | 6,493,811 | 665,809 | 29,993 | | 7,129,627 * |
| Meters (346) | 4,118,878 | 261,806 | 139,336 | (84,853) | 4,156,495 * |
| | | | | | |

Water Utility Plant in Service - Plant Financed by Utility or Municipality

- g All adjustments, corrections and reclassifications (including to/from plant financed by contributions) should be reported in Column (e), Adjustments.
- g Explain fully as a footnote the nature of all entries reported in Column (e), Adjustments.
- g For each account over \$50,000 (class AB) or \$25,000 (class C) or \$10,000 (class D), explain in the footnotes section the dollar additions and retirements. If applicable, the footnotes should cite construction authorization, complete with PSC docket number.
- g Use only the account titles listed. If the utility has subaccounts other than accounts 391.1 and 397.1, combine them into one total and detail by subaccount as a schedule footnote.
- g The treatment plant accounts have changed since 2008 and that they should confirm the dollar amounts are in the right account.
- g PSC Uniform System of Accounts

| Accounts (a) | Balance First of Year (b) | Additions During Year (c) | Retirements During Year (d) | Adjustments Increase or (Decrease) (e) | Balance End of Year (f) |
|--|---------------------------------|---------------------------------|-----------------------------------|---|-------------------------------|
| Hydrants (348) | 3,841,895 | 275,815 | 31,014 | | 4,086,696 * |
| Other Transmission and Distribution Plant (349) | 0 | | | | 0 |
| Total Transmission and Distribution Plant | 70,564,459 | 3,518,191 | 324,118 | (84,853) | 73,673,679 |
| GENERAL PLANT | | | | | |
| Land and Land Rights (389) | 69,179 | | | | 69,179 |
| Structures and Improvements (390) | 2,253,525 | 11,900 | 10,500 | 78,886 | 2,333,811 |
| Office Furniture and Equipment (391) | 181,736 | 20,304 | 18,392 | | 183,648 |
| Computer Equipment (391.1) | 602,516 | 40,675 | 61,973 | | 581,218 * |
| Transportation Equipment (392) | 982,480 | 127,562 | 154,185 | | 955,857 * |
| Stores Equipment (393) | 9,764 | | | | 9,764 |
| Tools, Shop and Garage Equipment (394) | 461,245 | | | | 461,245 |
| Laboratory Equipment (395) | 5,842 | | | | 5,842 |
| Power Operated Equipment (396) | 691,725 | 464,026 | 140,944 | | 1,014,807 * |
| Communication Equipment (397) | 64,714 | | | | 64,714 |
| SCADA Equipment (397.1) | 827,319 | | | | 827,319 |
| Miscellaneous Equipment (398) | 0 | | | | 0 |
| Total General Plant | 6,150,045 | 664,467 | 385,994 | 78,886 | 6,507,404 |
| Total utility plant in service directly assignable | 91,877,684 | 4,267,963 | 734,028 | (84,853) | 95,326,766 |
| Common Utility Plant Allocated to Water Department | 0 | | | | 0 |
| TOTAL UTILITY PLANT IN SERVICE | 91,877,684 | 4,267,963 | 734,028 | (84,853) | 95,326,766 |

Water Utility Plant in Service - Plant Financed by Utility or Municipality

- g All adjustments, corrections and reclassifications (including to/from plant financed by contributions) should be reported in Column (e), Adjustments.
- g Explain fully as a footnote the nature of all entries reported in Column (e), Adjustments.
- g For each account over \$50,000 (class AB) or \$25,000 (class C) or \$10,000 (class D), explain in the footnotes section the dollar additions and retirements. If applicable, the footnotes should cite construction authorization, complete with PSC docket number.
- g Use only the account titles listed. If the utility has subaccounts other than accounts 391.1 and 397.1, combine them into one total and detail by subaccount as a schedule footnote.
- g The treatment plant accounts have changed since 2008 and that they should confirm the dollar amounts are in the right account.
- g PSC Uniform System of Accounts

Water Utility Plant in Service - Plant Financed by Utility or Municipality (Page W-08)

Additions for one or more accounts exceed \$50,000, please explain. If applicable, provide construction authorization and PSC docket number.

a/n 325 Electric Pumping Equipment - A drive was installed at well #9, a mag meter was replaced at well #10, and spare cable was purchased for well #8.

a/n 343 Transmission and Distribution Mains - 11,354 feet of Utility financed water main, 49 valves, and 5 valve boxes were installed or replaced in 2020.

a/n 345 Services - 133 Utility financed services were installed or replaced in 2020.

a/n 346 Meters - Meters and radios are replaced and retired as part of the Utility's 20-year meter change-out program.

a/n 348 Hydrants - 31 Utility financed hydrants were installed or replaced in 2020.

a/n 392 Transportation Equipment - Four vehicles were replaced in 2020.

a/n 396 Power Operated Equipment - A Mud Dog Vacuum Excavator was purchased in 2020.

General Footnote

a/n 321 and a/n 390 Structures and Improvements - Balance of North Street Pumping Structure transferred to 390 General Plant because the building houses a generator for the Utility's main building, and is no longer used as a pumping/well structure.

a/n 346 Transmission and Distribution Meters - Meters are held in inventory throughout the year. At year-end, they are reclassified to the asset. This entry is reversed at the beginning of the following year. The adjustment is transferring in-stock meters back to inventory for the year 2020.

a/n 392 Transportation Equipment - The four vehicles that were replaced in 2020 were retired, as well as a Stake Truck that was not replaced.

a/n 396 Power Operated Equipment - A vacuum truck that was replaced in 2020 was retired. A valve turner, trailer, and skid steer that were not replaced, were also retired in 2020.

Retirements for one or more accounts exceed \$50,000, please explain.

a/n 343 Transmission and Distribution Mains - 10,315 feet of water main, 51 valves, and 5 manholes were retired in 2020.

a/n 346 Meters - Meters and radios are replaced and retired as part of the Utility's 20-year meter change-out program.

a/n 391.1 - Computer Equipment - Computers and monitors no longer in service were scrapped and retired in 2020. Accounting software and a Barracuda back-up system were also retired in 2020.

Water Utility Plant in Service - Plant Financed by Contributions

- g All adjustments, corrections and reclassifications (including to/from plant financed by contributions) should be reported in Column (e), Adjustments.
- g Explain fully as a footnote the nature of all entries reported in Column (e), Adjustments.
- g For each account over \$50,000 (class AB) or \$25,000 (class C) or \$10,000 (class D), explain in the footnotes section the dollar additions and retirements. If applicable, the footnotes should cite construction authorization, complete with PSC docket number.
- g Use only the account titles listed. If the utility has subaccounts other than accounts 391.1 and 397.1, combine them into one total and detail by subaccount as a schedule footnote.
- g The treatment plant accounts have changed since 2008 and that they should confirm the dollar amounts are in the right account.
- g PSC Uniform System of Accounts

| Accounts (a) | Balance First of Year (b) | Additions During Year (c) | Retirements During Year (d) | Adjustments Increase or (Decrease) (e) | Balance End of Year (f) |
|--|---------------------------------|---------------------------------|-----------------------------------|---|-------------------------------|
| INTANGIBLE PLANT | | | | | |
| Organization (301) | 0 | | | | 0 |
| Franchises and Consents (302) | 0 | | | | 0 |
| Miscellaneous Intangible Plant (303) | 0 | | | | 0 |
| Total Intangible Plant | 0 | 0 | 0 | 0 | 0 |
| SOURCE OF SUPPLY PLANT | | | | | |
| Land and Land Rights (310) | 0 | | | | 0 |
| Structures and Improvements (311) | 0 | | | | 0 |
| Collecting and Impounding Reservoirs (312) | 0 | | | | 0 |
| Lake, River and Other Intakes (313) | 0 | | | | 0 |
| Wells and Springs (314) | 0 | | | | 0 |
| Supply Mains (316) | 0 | | | · | 0 |
| Other Water Source Plant (317) | 0 | | | | 0 |
| Total Source of Supply Plant | 0 | 0 | 0 | 0 | 0 |
| PUMPING PLANT | | | | | |
| Land and Land Rights (320) | 0 | | | | 0 |
| Structures and Improvements (321) | 629,970 | | | | 629,970 |
| Other Power Production Equipment (323) | 0 | | | | 0 |
| Electric Pumping Equipment (325) | 1,145,986 | | | | 1,145,986 |
| Diesel Pumping Equipment (326) | 0 | | | | 0 |
| Other Pumping Equipment (328) | 0 | | | | 0 |
| Total Pumping Plant | 1,775,956 | 0 | 0 | 0 | 1,775,956 |
| WATER TREATMENT PLANT | | | | | |
| Land and Land Rights (330) | 0 | | | | 0 |
| Structures and Improvements (331) | 638,453 | | | | 638,453 |
| Sand or Other Media Filtration Equipment (332) | 613,980 | | | | 613,980 |
| Membrane Filtration Equipment (333) | 0 | | | · | 0 |
| Other Water Treatment Equipment (334) | 0 | | | | 0 |
| Total Water Treatment Plant | 1,252,433 | 0 | 0 | 0 | 1,252,433 |
| TRANSMISSION AND DISTRIBUTION PLANT | | | | | |
| Land and Land Rights (340) | 196,947 | 3,792 | | | 200,739 |
| Structures and Improvements (341) | 0 | | | | 0 |
| Distribution Reservoirs and Standpipes (342) | 8,205 | | | | 8,205 |
| Transmission and Distribution Mains (343) | 26,472,387 | 349,338 | | | 26,821,725 * |
| Services (345) | 8,033,005 | 115,026 | 1,827 | | 8,146,204 * |
| Meters (346) | 0 | | | | 0 |

Water Utility Plant in Service - Plant Financed by Contributions

- g All adjustments, corrections and reclassifications (including to/from plant financed by contributions) should be reported in Column (e), Adjustments.
- g Explain fully as a footnote the nature of all entries reported in Column (e), Adjustments.
- g For each account over \$50,000 (class AB) or \$25,000 (class C) or \$10,000 (class D), explain in the footnotes section the dollar additions and retirements. If applicable, the footnotes should cite construction authorization, complete with PSC docket number.
- g Use only the account titles listed. If the utility has subaccounts other than accounts 391.1 and 397.1, combine them into one total and detail by subaccount as a schedule footnote.
- g The treatment plant accounts have changed since 2008 and that they should confirm the dollar amounts are in the right account.
- g PSC Uniform System of Accounts

| Accounts (a) | Balance First of Year (b) | Additions During Year (c) | Retirements During Year (d) | Adjustments Increase or (Decrease) (e) | Balance End of Year (f) |
|--|---------------------------------|---------------------------------|-----------------------------------|---|-------------------------------|
| Hydrants (348) | 3,503,779 | 39,772 | | | 3,543,551 |
| Other Transmission and Distribution Plant (349) | 0 | | | | 0 |
| Total Transmission and Distribution Plant | 38,214,323 | 507,928 | 1,827 | 0 | 38,720,424 |
| GENERAL PLANT | | | | | |
| Land and Land Rights (389) | 0 | | | | 0 |
| Structures and Improvements (390) | 0 | | | | 0 |
| Office Furniture and Equipment (391) | 0 | | | | 0 |
| Computer Equipment (391.1) | 0 | | | | 0 |
| Transportation Equipment (392) | 0 | | | | 0 |
| Stores Equipment (393) | 0 | | | | 0 |
| Tools, Shop and Garage Equipment (394) | 0 | | | | 0 |
| Laboratory Equipment (395) | 0 | | | | 0 |
| Power Operated Equipment (396) | 0 | | | | 0 |
| Communication Equipment (397) | 0 | | | | 0 |
| SCADA Equipment (397.1) | 0 | | | | 0 |
| Miscellaneous Equipment (398) | 0 | | | | 0 |
| Total General Plant | 0 | 0 | 0 | 0 | 0 |
| Total utility plant in service directly assignable | 41,242,712 | 507,928 | 1,827 | 0 | 41,748,813 |
| Common Utility Plant Allocated to Water Department | 0 | | | | 0 |
| TOTAL UTILITY PLANT IN SERVICE | 41,242,712 | 507,928 | 1,827 | 0 | 41,748,813 |

Water Utility Plant in Service - Plant Financed by Contributions

- g All adjustments, corrections and reclassifications (including to/from plant financed by contributions) should be reported in Column (e), Adjustments.
- g Explain fully as a footnote the nature of all entries reported in Column (e), Adjustments.
- g For each account over \$50,000 (class AB) or \$25,000 (class C) or \$10,000 (class D), explain in the footnotes section the dollar additions and retirements. If applicable, the footnotes should cite construction authorization, complete with PSC docket number.
- g Use only the account titles listed. If the utility has subaccounts other than accounts 391.1 and 397.1, combine them into one total and detail by subaccount as a schedule footnote.
- The treatment plant accounts have changed since 2008 and that they should confirm the dollar amounts are in the right account.
- g PSC Uniform System of Accounts

Water Utility Plant in Service - Plant Financed by Contributions (Page W-09)

5 XX]hijcbgʻzcfʻcbYʻcfʻa cfYʻUWWci bhgʻYl WYYX¨) \$恭\$\$zd`YUgYʻYl d`Ujb"ʻ=ZUdd`]WUV`Yzdfcj]XYʻWcbghfi WhijcbʻUi h\ cfjnUhjcbʻUbXʻDG7 ʻXcW_Yhinumber.

a/n 343 Transmission and Distribution Main - 2199 feet of Contractor/Developer financed water main and 4 valves were installed in 2020.

a/n 345 Services - 16 Contractor/Developer financed services were installed in 2020.

Water Accumulated Provision for Depreciation - Plant Financed by Utility or Municipality

- g Use only the account titles listed. If the utility has subaccounts other than accounts 391.1 and 397.1, combine them into one total and detail by subaccount in a schedule footnote.
- g If more than one depreciation rate is used, report the average rate in column (c).
- g Enter depreciation rates in decimal form. For example, enter 6.75% as 0.0675

| Primary Plant Accounts (a) | Balance First of Year (b) | Rate % Used (c) | Accruals During Year (d) | Book Cost of Plant Retired (e) | Cost of Removal (f) | Salvage (g) | Adjustments Increase or (Decrease) (h) | Balance End of Year (i) | |
|--|---------------------------------|-----------------------|--------------------------------|--------------------------------------|---------------------------|----------------|---|-------------------------------|---|
| SOURCE OF SUPPLY PLANT | | | | | | | | | |
| Structures and Improvements (311) | 0 | | | | | | | 0 | |
| Collecting and Impounding Reservoirs (312) | 0 | | | | | | | 0 | |
| Lake, River and Other Intakes (313) | 0 | | | | | | | 0 | |
| Wells and Springs (314) | 1,431,691 | 2.90% | 43,722 | | | | | 1,475,413 | |
| Supply Mains (316) | 288,008 | 1.80% | 19,515 | | | | | 307,523 | |
| Other Water Source Plant (317) | 0 | | | | | | | 0 | |
| Total Source of Supply Plant | 1,719,699 | | 63,237 | 0 | 0 | 0 | 0 | 1,782,936 | |
| PUMPING PLANT | | | | | | | | | |
| Structures and Improvements (321) | 1,879,215 | 3.20% | 125,858 | 12,543 | 10,910 | | | 1,981,620 | 1 |
| Other Power Production Equipment (323) | 0 | | | | | | | 0 | 1 |
| Electric Pumping Equipment (325) | 852,669 | 4.40% | 187,048 | 11,373 | | 66 | i | 1,028,410 | 1 |
| Diesel Pumping Equipment (326) | 0 | | | | | | | 0 | 1 |
| Other Pumping Equipment (328) | 0 | | | | | | | 0 | 1 |
| Total Pumping Plant | 2,731,884 | | 312,906 | 23,916 | 10,910 | 66 | 0 | 3,010,030 | 1 |
| WATER TREATMENT PLANT | | | | | | | | | 1 |
| Structures and Improvements (331) | 985,274 | 3.20% | 68,713 | | | | | 1,053,987 | 1 |
| Sand or Other Media Filtration Equipment (332) | 110,005 | 3.30% | 12,250 | | | | | 122,255 | 1 |
| Membrane Filtration Equipment (333) | 0 | | | | | | | 0 | 1 |
| Other Water Treatment Equipment (334) | 1,036,942 | 6.00% | 88,423 | | | | | 1,125,365 | 2 |
| Total Water Treatment Plant | 2,132,221 | | 169,386 | 0 | 0 | 0 | 0 | 2,301,607 | 2 |
| TRANSMISSION AND DISTRIBUTION PLANT | | | | | | | | | 2 |
| Structures and Improvements (341) | 0 | | | | | | | 0 | 2 |
| Distribution Reservoirs and Standpipes (342) | 2,362,468 | 1.90% | 122,913 | | | | | 2,485,381 | 2 |
| Transmission and Distribution Mains (343) | 4,639,179 | 1.30% | 658,140 | 123,775 | 13,778 | 283 | | 5,160,049 | 2 |
| Services (345) | 1,823,266 | 2.90% | 197,540 | 29,993 | | | | 1,990,813 | 2 |
| Meters (346) | 2,395,242 | 5.50% | 227,573 | 139,336 | | 14,557 | | 2,498,036 | 2 |

Water Accumulated Provision for Depreciation - Plant Financed by Utility or Municipality

- g Use only the account titles listed. If the utility has subaccounts other than accounts 391.1 and 397.1, combine them into one total and detail by subaccount in a schedule footnote.
- g If more than one depreciation rate is used, report the average rate in column (c).
- g Enter depreciation rates in decimal form. For example, enter 6.75% as 0.0675

| Primary Plant Accounts (a) | Balance First of Year (b) | Rate % Used (c) | Accruals During Year (d) | Book Cost of Plant Retired (e) | Cost of Removal (f) | Salvage (g) | Adjustments Increase or (Decrease) (h) | Balance End of Year (i) | |
|--|---------------------------------|-----------------------|--------------------------------|--------------------------------------|---------------------------|----------------|---|-------------------------------|----|
| Hydrants (348) | 474,371 | 2.20% | 87,215 | 31,014 | 16,631 | 3,082 | | 517,023 | 28 |
| Other Transmission and Distribution Plant (349) | 0 | | | | | | | 0 | 29 |
| Total Transmission and Distribution Plant | 11,694,526 | | 1,293,381 | 324,118 | 30,409 | 17,922 | 0 | 12,651,302 | 30 |
| GENERAL PLANT | | | | | | - | | | 31 |
| Structures and Improvements (390) | 941,091 | 2.90% | 66,516 | 10,500 | | 57 | | 997,164 | 32 |
| Office Furniture and Equipment (391) | 181,736 | 5.80% | 589 | 18,392 | | | | 163,933 | 33 |
| Computer Equipment (391.1) | 521,928 | 20.00% | 29,742 | 61,973 | | | | 489,697 | 34 |
| Transportation Equipment (392) | 890,646 | 13.30% | 24,602 | 154,185 | | 48,800 | | 809,863 | 35 |
| Stores Equipment (393) | 9,764 | 5.80% | | | | | | 9,764 | 36 |
| Tools, Shop and Garage Equipment (394) | 363,570 | 5.80% | 8,544 | | | | | 372,114 | 37 |
| Laboratory Equipment (395) | 5,842 | 5.80% | | | | | | 5,842 | 38 |
| Power Operated Equipment (396) | 472,025 | 7.50% | 63,995 | 140,944 | | 49,950 | | 445,026 | 39 |
| Communication Equipment (397) | 64,714 | 15.00% | | | | | | 64,714 | 40 |
| SCADA Equipment (397.1) | 599,548 | 9.20% | 76,113 | | | | | 675,661 | 41 |
| Miscellaneous Equipment (398) | 0 | | | | | | | 0 | 42 |
| Total General Plant | 4,050,864 | | 270,101 | 385,994 | 0 | 98,807 | 0 | 4,033,778 | 43 |
| Total accum. prov. directly assignable | 22,329,194 | | 2,109,011 | 734,028 | 41,319 | 116,795 | 0 | 23,779,653 | 44 |
| Common Utility Plant Allocated to Water Department | 0 | | | | | | | 0 | 45 |
| TOTAL ACCUM, PROV, FOR DEPRECIATION | 22,329,194 | | 2,109,011 | 734,028 | 41,319 | 116,795 | 0 | 23,779,653 | 46 |
| | | | | | | | | | |

Water Accumulated Provision for Depreciation - Plant Financed by Contributions

- g Use only the account titles listed. If the utility has subaccounts other than accounts 391.1 and 397.1, combine them into one total and detail by subaccount in a schedule footnote.
- g If more than one depreciation rate is used, report the average rate in column (c).
- g Enter depreciation rates in decimal form. For example, enter 6.75% as 0.0675

| Primary Plant Accounts (a) | Balance First of Year (b) | Rate % Used (c) | Accruals During Year (d) | Book Cost of Plant Retired (e) | Cost of Removal (f) | Salvage (g) | Adjustments Increase or (Decrease) (h) | Balance End of Year (i) |
|--|---------------------------------|-----------------------|--------------------------------|--------------------------------------|---------------------------|----------------|---|-------------------------------|
| SOURCE OF SUPPLY PLANT | | | | | | | | |
| Structures and Improvements (311) | 0 | | | | | | | 0 |
| Collecting and Impounding Reservoirs (312) | 0 | | | | | | | 0 |
| Lake, River and Other Intakes (313) | 0 | | | | | | | 0 |
| Wells and Springs (314) | 0 | | | | | | | 0 |
| Supply Mains (316) | 0 | | | | | | | 0 |
| Other Water Source Plant (317) | 0 | | | | | | | 0 |
| Total Source of Supply Plant | 0 | | 0 | 0 | 0 | (| 0 | 0 |
| PUMPING PLANT | | | | | | | | |
| Structures and Improvements (321) | 219,451 | 3.20% | 20,159 | | | | | 239,610 |
| Other Power Production Equipment (323) | 0 | | | | | | | 0 |
| Electric Pumping Equipment (325) | 525,863 | 4.40% | 50,423 | | | | | 576,286 |
| Diesel Pumping Equipment (326) | 0 | | | | | | | 0 |
| Other Pumping Equipment (328) | 0 | | | | | | | 0 |
| Total Pumping Plant | 745,314 | | 70,582 | 0 | 0 | (| 0 | 815,896 |
| WATER TREATMENT PLANT | | | | | | | | |
| Structures and Improvements (331) | 218,878 | 3.20% | 20,431 | | | | | 239,309 |
| Sand or Other Media Filtration Equipment (332) | 196,020 | 3.30% | 20,261 | | | | | 216,281 |
| Membrane Filtration Equipment (333) | 0 | | | | | | | 0 |
| Other Water Treatment Equipment (334) | 0 | 6.00% | | | | | | 0 |
| Total Water Treatment Plant | 414,898 | | 40,692 | 0 | 0 | (| 0 | 455,590 |
| TRANSMISSION AND DISTRIBUTION PLANT | | | | | | | | |
| Structures and Improvements (341) | 0 | | | | | | | 0 |
| Distribution Reservoirs and Standpipes (342) | 1,792 | 1.90% | 156 | | | | | 1,948 |
| Transmission and Distribution Mains (343) | 6,257,383 | 1.30% | 346,412 | | | | | 6,603,795 |
| Services (345) | 4,188,117 | 2.90% | 234,599 | 1,827 | | | | 4,420,889 |
| Meters (346) | 0 | | | | | | | 0 |

Water Accumulated Provision for Depreciation - Plant Financed by Contributions

- g Use only the account titles listed. If the utility has subaccounts other than accounts 391.1 and 397.1, combine them into one total and detail by subaccount in a schedule footnote.
- g If more than one depreciation rate is used, report the average rate in column (c).
- g Enter depreciation rates in decimal form. For example, enter 6.75% as 0.0675

| Primary Plant Accounts (a) | Balance First of Year (b) | Rate % Used (c) | Accruals During Year (d) | Book Cost of Plant Retired (e) | Cost of Removal (f) | Salvage (g) | Adjustments Increase or (Decrease) (h) | Balance End of Year (i) | |
|--|---------------------------------|-----------------------|--------------------------------|--------------------------------------|---------------------------|----------------|---|-------------------------------|----|
| Hydrants (348) | 1,400,784 | 2.20% | 77,521 | | | | | 1,478,305 | 28 |
| Other Transmission and Distribution Plant (349) | 0 | | | | | | | 0 | 29 |
| Total Transmission and Distribution Plant | 11,848,076 | | 658,688 | 1,827 | 0 | 0 | 0 | 12,504,937 | 30 |
| GENERAL PLANT | | | | | | | | | 31 |
| Structures and Improvements (390) | 0 | | | | | | | 0 | 32 |
| Office Furniture and Equipment (391) | 0 | | | | | | | 0 | 33 |
| Computer Equipment (391.1) | 0 | | | | | | | 0 | 34 |
| Transportation Equipment (392) | 0 | | | | | | | 0 | 35 |
| Stores Equipment (393) | 0 | | | | | | | 0 | 36 |
| Tools, Shop and Garage Equipment (394) | 0 | | | | | | | 0 | 37 |
| Laboratory Equipment (395) | 0 | | | | | | | 0 | 38 |
| Power Operated Equipment (396) | 0 | | | | | | | 0 | 39 |
| Communication Equipment (397) | 0 | | | | | | | 0 | 40 |
| SCADA Equipment (397.1) | 0 | | | | | | | 0 | 41 |
| Miscellaneous Equipment (398) | 0 | | | | | | | 0 | 42 |
| Total General Plant | 0 | | 0 | 0 | 0 | 0 | 0 | 0 | 43 |
| Total accum. prov. directly assignable | 13,008,288 | | 769,962 | 1,827 | 0 | 0 | 0 | 13,776,423 | 44 |
| Common Utility Plant Allocated to Water Department | 0 | | | | | | | 0 | 45 |
| TOTAL ACCUM, PROV, FOR DEPRECIATION | 13,008,288 | | 769,962 | 1,827 | 0 | C | 0 | 13,776,423 | 46 |
| | | | | | | | | | |

Age of Water Mains

- g If asset management, capital improvement, or other infrastructure-related documents are not available, the utility should consult other potential sources of information: the year the utility was formed, year of initial build-out area, year in which new developments, subdivisions, etc. were added. This information can be used to develop estimated figures.
- g If pipe diameter value is between those offered in the column, choose the diameter that is closest to the actual value.
- g Report all pipe larger than Ï GÁn diameter in the Ï GÁcategory.

| | | | | | | | Feet of Main | | | | | | |
|--------|------------------|-----------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|--------------|----|
| | Pipe Size (a) | pre-1900 (b) | 1901-1920 (c) | 1920-1940 (d) | 1941-1960 (e) | 1961-1970 (f) | 1971-1980 (g) | 1981-1990 (h) | 1991-2000 (i) | 2001-2010 (j) | 2011-2020 (k) | Total (I) | |
| 2.000 | | | | | | 184 | | 230 | 8 | 234 | 8 | 664 | 1 |
| 3.000 | | | - | | | | | | 5 | | | 5 | 2 |
| 4.000 | | | | | | | 5 | 9 | 1,428 | 1,664 | | 3,106 | 3 |
| 6.000 | | | 39,449 | 51,186 | 99,659 | 46,028 | 28,704 | 15,375 | 13,568 | 5,064 | 904 | 299,937 | 4 |
| 8.000 | | | 8,186 | 2,882 | 54,029 | 116,249 | 151,955 | 106,378 | 195,646 | 130,577 | 61,559 | 827,461 | 5 |
| 10.000 | | | 102 | 686 | 142 | 179 | | 90 | 1,436 | 22 | | 2,657 | 6 |
| 12.000 | | | 700 | 1,793 | 23,027 | 55,985 | 57,579 | 35,113 | 79,883 | 88,691 | 64,099 | 406,870 | 7 |
| 14.000 | | | | | 174 | 282 | | | | 8 | | 464 | 8 |
| 16.000 | | | 881 | | 133 | 11,604 | 36,332 | 9,623 | 21,328 | 28,497 | 18,154 | 126,552 | 9 |
| 20.000 | | | | | 10,785 | 16,459 | 4,663 | 2,804 | 11,877 | 13,045 | 2,587 | 62,220 | 10 |
| 24.000 | | | | | 1,103 | | 2,096 | 6 | | 4,298 | 22,984 | 30,487 | 11 |
| 30.000 | | | | | | | | | | | 186 | 186 | 12 |
| Total | | 0 | 49,318 | 56,547 | 189,052 | 246,970 | 281,334 | 169,628 | 325,179 | 272,100 | 170,481 | 1,760,609 | 13 |

Describe source of information used to develop data: Water main age was extracted from GIS.

Sources of Water Supply - Statistics

- q For Raw Water Withdrawn, use metered volume of untreated water withdrawn from the source.
- g For Finished Water Pumped, use metered volume of water pumped, adjusted for known meter errors. Describe known meter errors in Notes Section.
- g If Finished Water is not metered, use Raw Water Withdrawn and subtract estimated water used in treatment.

| | | | Sources of Water | Supply (000's gal |) | | Total Gallons | | |
|--------------|------------------|-------------------|------------------|-------------------|------------------|--------------------|--------------------------|--|--|
| | Raw V | | Finishe Pum | d Water ped | | ed Water orted) | Entering Distribution | | |
| Month (a) | Ground Water (b) | Surface Water (c) | Ground Water (d) | Surface Water (e) | Ground Water (f) | Surface Water (g) | System (h) | | |
| January | 156,190 | | 156,190 | | | | 156,190 | | |
| February | 147,084 | | 147,084 | | | | 147,084 | | |
| March | 155,203 | | 155,203 | | | | 155,203 | | |
| April | 147,357 | | 147,357 | | | | 147,357 | | |
| May | 163,736 | | 163,736 | | | | 163,736 | | |
| June | 176,627 | | 176,627 | | | | 176,627 | | |
| July | 189,031 | | 189,031 | | | | 189,031 | | |
| August | 190,639 | | 190,639 | | | | 190,639 | | |
| September | 163,460 | | 163,460 | | | | 163,460 | | |
| October | 149,559 | | 149,559 | | | | 149,559 | | |
| November | 146,527 | | 146,527 | | | | 146,527 | | |
| December | 147,875 | | 147,875 | | | | 147,875 | | |
| TOTAL | 1,933,288 | 0 | 1,933,288 | 0 | 0 | 0 | 1,933,288 | | |

Water Audit and Other Statistics

- g Where possible, report actual metered values. If water uses are not metered, estimate values for each line based on best available information. For assistance, refer to AWWA M36 Manual . ÁWater Audits and Loss Control Programs.
- g For unbilled, unmetered gallons (line 16), include water used for system operation and maintenance and water used for non-regulated sewer utility.
- g If gallons estimated due to theft, data, and billing errors is unknown, multiply net gallons entering distribution system (line 3) by .0025.

| Description (a) | Value (b) |
|--|--------------|
| WATER AUDIT STATISTICS | |
| Finished Water pumped or purchased (000s) | 1,933,288 |
| Less: Gallons (000s) sold to wholesale customers (exported water) | C |
| Subtotal: Net gallons (000s) entering distribution system | 1,933,288 |
| Less: Gallons (000s) sold to retail customers (billed, metered) | 1790617 |
| Less: Gallons (000s) sold to retail customers (billed, unmetered) | 0 |
| Gallons (000s) of Non-Revenue Water | 142,671 |
| Gallons (000s) of unbilled-metered (including customer use to prevent freezing) | 18,602 |
| Gallons (000s) of unbilled-unmetered (including unmetered flushing, fire protection) | 927 |
| Subtotal: Unbilled Authorized Consumption | 19,529 |
| Total Water Loss | 123,142 |
| Gallons (000s) estimated due to unauthorized consumption (includes theft) default option | 120317 |
| Gallons (000s) estimated due to data and billing errors | 1 |
| Gallons (000s) estimated due to customer meter under-registration | 1 |
| Subtotal Apparent Losses | 120,319 |
| Gallons (000s) estimated due to reported leakage (mains, services, hydrants, overflows) | 2,823 |
| Gallons (000s) estimated due to unreported and background leakage | C |
| Subtotal Real Losses (leakage) | 2,823 |
| Non-Revenue Water as percentage of net water supplied | 7% |
| Total Water Loss as percentage of net water supplied | 6% |
| OTHER STATISTICS | |
| Maximum gallons (000s) pumped by all methods in any one day during reporting year | 8,137 |
| Date of maximum | 08/24/2020 |
| Cause of maximum | |
| Hot weather - increased usage. | |
| Minimum gallons (000s) pumped by all methods in any one day during reporting year | 2,940 |
| Date of minimum | 12/25/2020 |
| Total KWH used by the utility (including pumping, treatment facilities and other utility operations) | 7,031,126 |
| If water is purchased: | |
| Vendor Name | |
| Point of Delivery | |
| Source of purchased water | |
| Vendor Name (2) | |
| Point of Delivery (2) | |
| Source of purchased water (2) | |
| Vendor Name (3) | |
| Point of Delivery (3) | |
| Source of purchased water (3) | |
| Number of main breaks repaired this year | 14 |
| Number of service breaks repaired this year | 5 |

Date Printed: 3/26/2021 12:05:26 PM

Sources of Water Supply - Well Information

- g Enter characteristics for each of the utility of functional wells (regardless of whether it is 🐿 service 🏟 r not).
- g Do not include abandoned wells on this schedule.
- g All abandoned wells should be retired from the plant accounts and no longer listed in the utilitys annual report.
- g Abandoned wells should be permanently filled and sealed per Wisconsin Administrative codes Chapters NR811 and NR812.

| Utility Name/IE for Well (a) | | Depth (feet) (c) | Casing Diameter (inches) (d) | Yield Per Day (gallons) (e) | In Service? (f) | | |
|---------------------------------------|-------|------------------------|---------------------------------------|--------------------------------------|--------------------|---|----|
| WELL #10 | BH436 | 2,145 | 28 | 3,896,640 | Yes | _ | 1 |
| WELL #11 | RL255 | 127 | 16 | 231,628 | Yes | _ | 2 |
| WELL #12 | RL256 | 144 | 16 | 804,793 | Yes | _ | 3 |
| WELL #13 | WK947 | 105 | 16 | 811,250 | Yes | _ | 4 |
| WELL #2 | EQ944 | 1,835 | 14 | 1 | No | * | 5 |
| WELL #3 | BH429 | 1,995 | 14 | 1,073,847 | Yes | _ | 6 |
| WELL #4 | BH430 | 1,995 | 12 | 1 | No | _ | 7 |
| WELL #5 | BH431 | 2,120 | 19 | 1,629,355 | Yes | * | 8 |
| WELL #6 | BH432 | 2,075 | 20 | 3,071,156 | Yes | _ | 9 |
| WELL #7 | BH433 | 1,650 | 20 | 1,018,381 | Yes | _ | 10 |
| WELL #8 | BH434 | 2,024 | 20 | 2,897,925 | Yes | _ | 11 |
| WELL #9 | BH435 | 1,725 | 20 | 1,868,327 | Yes | _ | 12 |
| | | | | 17,303,304 | | _ | 13 |

Year Ended: December 31, 2020

Sources of Water Supply - Well Information

- g Enter characteristics for each of the utilityos functional wells (regardless of whether it is \(\mathbb{w}_0 \) service \(\hat{A} \) or not).
- g Do not include abandoned wells on this schedule.
- g All abandoned wells should be retired from the plant accounts and no longer listed in the utility annual report.
- q Abandoned wells should be permanently filled and sealed per Wisconsin Administrative codes Chapters NR811 and NR812.

Sources of Water Supply - Well Information (Page W-16)

General Footnote

Well #2 is not in service; therefore, column (e) should show Yield per Day (gallons) is zero. However, the program will not save the schedule as Completed Avithout a value greater than zero in this column.

Well #4 is not in service and was permanently abandoned on 11/26/2019; therefore, column (e) should show Yield per Day (gallons) is zero. However, the program will not save the schedule as Completed Without a value greater than zero in this column.

Sources of Water Supply - Intake Information

--- THIS SCHEDULE NOT APPLICABLE TO THIS UTILITY---

Pumping & Power Equipment

| | | | Pump | | | | Pump | Motor or Standby | Engine | |
|-----------------------|------------------|---------------------------|-------------------------------|--------------------------|------------------|------------------------------------|--------------------------|------------------|------------------------|----|
| Identification (a) | Location (b) | Primary Purpose (c) | Primary Destination (d) | Year Installed (e) | Type (f) | Actual Capacity (gpm) (g) | Year Installed (j) | Type (k) | Horse- power (I) | |
| #10 | WELL #10 | Primary | Reservoir | 2019 | Submersible | 2,704 | 2019 | Electric | 700 | 1 |
| #13A | WELL #13 | Primary | Reservoir | 2018 | Submersible | 570 | 2019 | Electric | 30 | 2 |
| #13B | WELL #13 | Booster | Distribution | 2009 | Centrifugal | 900 | 2009 | Electric | 100 | 3 |
| #13C | WELL #13 | Booster | Distribution | 2009 | Centrifugal | 900 | 2009 | Electric | 100 | 4 |
| #3A | WELL #3 | Primary | Distribution | 2015 | Submersible | 721 | 2015 | Electric | 250 | 5 |
| #5A | WELL #5 | Primary | Reservoir | 2001 | Vertical Turbine | 1,130 | 1991 | Electric | 250 | 6 |
| #5B | WELL #5 | Booster | Distribution | 1956 | Centrifugal | 1,200 | 1956 | Electric | 75 | 7 |
| #5C | WELL #5 | Booster | Distribution | 1996 | Centrifugal | 1,108 | 1996 | Electric | 40 | 8 |
| #6A | WELL #6 | Primary | Reservoir | 2015 | Submersible | 2,207 | 2015 | Electric | 400 | 9 |
| #6B | WELL #6 | Booster | Distribution | 2004 | Centrifugal | 2,000 | 2004 | Electric | 150 | 10 |
| #6C | WELL #6 | Booster | Distribution | 2000 | Centrifugal | 2,300 | 2000 | Electric | 150 | 11 |
| #7 | WELL #7 | Primary | Distribution | 2005 | Submersible | 721 | 2005 | Electric | 200 | 12 |
| #8A | WELL #8 | Primary | Reservoir | 2018 | Submersible | 2,041 | 2014 | Electric | 300 | 13 |
| #8B | WELL #8 | Booster | Distribution | 2006 | Centrifugal | 2,600 | 2006 | Electric | 150 | 14 |
| #8C | WELL #8 | Booster | Distribution | 2006 | Centrifugal | 2,600 | 2006 | Electric | 150 | 15 |
| #9A | WELL #9 | Primary | Reservoir | 2002 | Submersible | 1,301 | 2002 | Electric | 350 | 16 |
| #9B | WELL #9 | Booster | Distribution | 2009 | Centrifugal | 2,200 | 2009 | Electric | 150 | 17 |
| #9C | WELL #9 | Booster | Distribution | 2009 | Centrifugal | 2,200 | 2009 | Electric | 150 | 18 |
| #9D | WELL #9 | Booster | Distribution | 2009 | Centrifugal | 1,400 | 2009 | Electric | 50 | 19 |
| AIRPORT BOOSTER-A | AIRPORT BOOSTER | Booster | Distribution | 2017 | Centrifugal | 1,100 | 2017 | Electric | 125 | 20 |
| HIGHLINE BOOSTER-A | HIGHLINE BOOSTER | Booster | Distribution | 1998 | Centrifugal | 1,000 | 2019 | Electric | 50 | 21 |
| HIGHLINE BOOSTER-B | HIGHLINE BOOSTER | Booster | Distribution | 1998 | Centrifugal | 1,000 | 2019 | Electric | 50 | 22 |
| HIGHLINE BOOSTER-C | HIGHLINE BOOSTER | Booster | Distribution | 1998 | Centrifugal | 1,000 | 2019 | Electric | 50 | 23 |

Pumping & Power Equipment

| | | | Pump | | | | Pump l | Motor or Standby | / Engine | ver | | | | | | |
|------------------------|-------------------|---------------------------|-------------------------------|--------------------------|-------------|------------------------------------|--------------------------|------------------|------------------------|-----|--|--|--|--|--|--|
| Identification (a) | Location (b) | Primary Purpose (c) | Primary Destination (d) | Year Installed (e) | Type (f) | Actual Capacity (gpm) (g) | Year Installed (j) | Type (k) | Horse- power (I) | | | | | | | |
| HILLCREST BOOSTER-A | HILLCREST BOOSTER | Booster | Distribution | 1996 | Centrifugal | 250 | 1996 | Electric | 15 | 24 | | | | | | |
| HILLCREST BOOSTER-B | HILLCREST BOOSTER | Booster | Distribution | 2008 | Centrifugal | 120 | 2008 | Electric | 15 | 25 | | | | | | |
| HILLCREST BOOSTER-C | HILLCREST BOOSTER | Booster | Distribution | 1996 | Centrifugal | 2,000 | 1996 | Electric | 75 | 26 | | | | | | |
| HILLCREST BOOSTER-D | HILLCREST BOOSTER | Booster | Distribution | 2016 | Centrifugal | 60 | 2016 | Electric | 15 | 27 | | | | | | |
| MADISON BOOSTER-A | MADISON BOOSTER | Booster | Distribution | 2007 | Centrifugal | 2,100 | 2007 | Electric | 125 | 28 | | | | | | |
| MADISON BOOSTER-B | MADISON BOOSTER | Booster | Distribution | 2007 | Centrifugal | 2,100 | 2007 | Electric | 125 | 29 | | | | | | |
| OAKMONT BOOSTER #1 | OAKMONT BOOSTER | Booster | Distribution | 2004 | Centrifugal | 150 | 2004 | Electric | 8 * | 30 | | | | | | |
| OAKMONT BOOSTER #2 | OAKMONT BOOSTER | Booster | Distribution | 2004 | Centrifugal | 150 | 2004 | Electric | 8 * | 31 | | | | | | |
| OAKMONT BOOSTER #3 | OAKMONT BOOSTER | Booster | Distribution | 2004 | Centrifugal | 1,000 | 2004 | Electric | 40 | 32 | | | | | | |
| OAKMONT BOOSTER #4 | OAKMONT BOOSTER | Booster | Distribution | 2004 | Centrifugal | 1,000 | 2004 | Electric | 40 | 33 | | | | | | |
| RIVER HILLS-A | RIVER PLACE | Booster | Distribution | 2004 | Centrifugal | 175 | 2004 | Electric | 5 | 34 | | | | | | |
| RIVER HILLS-B | RIVER PLACE | Booster | Distribution | 2007 | Centrifugal | 175 | 2007 | Electric | 5 | 35 | | | | | | |
| SOUTHEAST BOOSTER | WELL #5 | Booster | Distribution | 1983 | Centrifugal | 900 | 1983 | Electric | 40 | 36 | | | | | | |
| STARDUST BOOSTER-A | STARDUST BOOSTER | Booster | Distribution | 2003 | Centrifugal | 700 | 2003 | Electric | 15 | 37 | | | | | | |
| STARDUST BOOSTER-B | STARDUST BOOSTER | Booster | Distribution | 2015 | Centrifugal | 1,000 | 1991 | Electric | 30 | 38 | | | | | | |
| STARDUST BOOSTER-C | STARDUST BOOSTER | Booster | Distribution | 2013 | Centrifugal | 2,000 | 2013 | Electric | 60 | 39 | | | | | | |
| WELL #11 | 2578 RIVER RD | Primary | Reservoir | 2013 | Submersible | 153 | 2013 | Electric | 40 | 40 | | | | | | |
| WELL #12 | 2566 RIVER RD | Primary | Reservoir | 2013 | Submersible | 518 | 2013 | Electric | 50 | 41 | | | | | | |
| WOODRIDGE BOOSTER-A | WOODRIDGE BOOSTER | Booster | Distribution | 2015 | Centrifugal | 1,000 | 1999 | Electric | 40 | 42 | | | | | | |
| WOODRIDGE BOOSTER-B | WOODRIDGE BOOSTER | Booster | Distribution | 2015 | Centrifugal | 1,000 | 1999 | Electric | 40 | 43 | | | | | | |

Pumping & Power Equipment

Pumping & Power Equipment (Page W-18)

General Footnote

Oakmont Booster #1 & #2 actual Horsepower, column (I) should be %5+EAHowever, the program gives an error if whole numbers are not entered, so we rounded up to % Ann order to save and complete the schedule.

Reservoirs, Standpipes and Elevated Tanks

g Enter elevation difference between highest water level in Standpipe or Elevated Tank, (or Reservoir only on an elevated site) and the water main where the connection to the storage begins branching into the distribution system.

| Facility Name (a) | Facility ID Site Code (b) | Year Constructed (c) | Type (d) | Primary Material (e) | Elevation Difference in Feet (f) | Total Capacity In Gallons (g) | |
|----------------------|---------------------------------|----------------------------|---------------|----------------------------|---|--|----|
| #13 | #13 | 2009 | Reservoir | Concrete | 0 | 300,000 | 1 |
| #2 | #2 | 1932 | Reservoir | Concrete | 0 | 222,000 * | 2 |
| #5 | #5 | 1956 | Reservoir | Concrete | 0 | 2,000,000 | 3 |
| #6 | #6 | 1960 | Reservoir | Concrete | 0 | 2,000,000 | 4 |
| #8 | #8 | 1968 | Reservoir | Concrete | 0 | 2,000,000 | 5 |
| #9 | #9 | 1970 | Reservoir | Concrete | 0 | 1,500,000 | 6 |
| EVERGREEN TOWER | EVERGREE N TOWER | 1958 | Elevated Tank | Steel | 108 | 250,000 * | 7 |
| HILLCREST/WELL #10 | #10 | 1978 | Reservoir | Concrete | 123 | 5,000,000 | 8 |
| HUNTER TOWER | HUNTER TOWER | 1998 | Elevated Tank | Steel | 185 | 400,000 | 9 |
| MEADOWBROOK | MEADOWB ROOK | 1999 | Elevated Tank | Steel | 159 | 300,000 | 10 |
| MORRIS TOWER | MORRIS TOWER | 1998 | Elevated Tank | Steel | 120 | 100,000 | 11 |
| NE AREA/DAVIDSON | NE AREA/DAVI DSON | 1968 | Elevated Tank | Steel | 88 | 250,000 | 12 |
| NW AREA/UWW | NW AREA/UWW | 2009 | Elevated Tank | Concrete | 99 | 1,000,000 | 13 |

Reservoirs, Standpipes and Elevated Tanks

g Enter elevation difference between highest water level in Standpipe or Elevated Tank, (or Reservoir only on an elevated site) and the water main where the connection to the storage begins branching into the distribution system.

Reservoirs, Standpipes and Elevated Tanks (Page W-19)

General Footnote

Well #2 has been temporarily abandoned.

Evergreen Tower is out of service, but is still owned by the Utility as of 12/31/2020.

Water Treatment Plant

- g Provide a generic description for (a). Do not give specific address of location.
- g Please select all that apply for (d) and (e). If Other is selected please explain in Notes (h).
- g Please identity the point of application for each treatment plant for (g). For example, please list each well or central treatment facility served by this unit.

| Unit Description (a) | Year Constructed (b) | Rated Capacity (mgd) (c) | Disinfection (d) | Additional Treatment (e) | Fluoridated (f) | Point of Application (g) | Notes (h) | |
|----------------------------|----------------------------|-----------------------------------|--|---|--------------------|--------------------------------|-----------------------------------|---|
| #2 | 1932 | | _ Ultraviolet Light _ Liquid Chlorine _ Gas Chlorine _ Ozone _ Other x None | _ Flocculation/Sedimentation _ Sand Filtraton _ Activated Carbon Filtration _ Membrane Filtration _ Iron Exchange _ Iron/Manganese _ Nitrate Removal _ Radium Removal _ Other | No | | Not in Service. | 1 |
| #3 | 1930 | 1 | _ Ultraviolet Light x Liquid Chlorine _ Gas Chlorine _ Ozone _ Other _ None | _ Flocculation/Sedimentation _ Sand Filtraton _ Activated Carbon Filtration _ Membrane Filtration _ Iron Exchange _ Iron/Manganese _ Nitrate Removal x Radium Removal x Other | Yes | WELLHOUSE | Other: Silicate/corrosion control | 2 |
| #5 | 1956 | 1 | _ Ultraviolet Light x Liquid Chlorine _ Gas Chlorine _ Ozone _ Other _ None | _ Flocculation/Sedimentation _ Sand Filtraton _ Activated Carbon Filtration _ Membrane Filtration _ Iron Exchange _ Iron/Manganese _ Nitrate Removal _ Radium Removal _ Other | No | WELLHOUSE | | 3 |
| #6 | 1960 | 3 | _ Ultraviolet Light x Liquid Chlorine _ Gas Chlorine _ Ozone _ Other _ None | _ Flocculation/Sedimentation _ Sand Filtraton _ Activated Carbon Filtration _ Membrane Filtration _ Iron Exchange _ Iron/Manganese _ Nitrate Removal _ Radium Removal _ Other | No | WELLHOUSE | | 4 |

Water Treatment Plant

- g Provide a generic description for (a). Do not give specific address of location.
- g Please select all that apply for (d) and (e). If Other is selected please explain in Notes (h).
- g Please identity the point of application for each treatment plant for (g). For example, please list each well or central treatment facility served by this unit.

| Unit Description (a) | Year Constructed (b) | Rated Capacity (mgd) (c) | Disinfection (d) | Additional Treatment (e) | Fluoridated (f) | (g) | Notes (h) | |
|----------------------------|----------------------------|-----------------------------------|---|---|--------------------|-------------------|-----------------------------------|---|
| #8 | 1968 | 2 | _ Ultraviolet Light x Liquid Chlorine _ Gas Chlorine _ Ozone _ Other _ None | _ Flocculation/Sedimentation _ Sand Filtraton _ Activated Carbon Filtration _ Membrane Filtration _ Iron Exchange _ Iron/Manganese _ Nitrate Removal x Radium Removal x Other | Yes | WELLHOUSE | Other: Silicate/corrosion control | 5 |
| #9 | 1970 | 2 | _ Ultraviolet Light x Liquid Chlorine _ Gas Chlorine _ Ozone _ Other _ None | _ Flocculation/Sedimentation _ Sand Filtraton _ Activated Carbon Filtration _ Membrane Filtration _ Iron Exchange _ Iron/Manganese _ Nitrate Removal _ Radium Removal _ Other | No | WELLHOUSE | | 6 |
| HILLCREST/WELL #10 | 1978 | 3 | _ Ultraviolet Light x Liquid Chlorine _ Gas Chlorine _ Ozone _ Other _ None | _ Flocculation/Sedimentation _ Sand Filtraton _ Activated Carbon Filtration _ Membrane Filtration _ Iron Exchange _ Iron/Manganese _ Nitrate Removal x Radium Removal x Other | Yes | WELLHOUSE | Other: Silicate/corrosion control | 7 |
| WELL #11 | 2006 | 1 | _ Ultraviolet Light x Liquid Chlorine _ Gas Chlorine _ Ozone _ Other _ None | _ Flocculation/Sedimentation _ Sand Filtraton _ Activated Carbon Filtration _ Membrane Filtration _ Iron Exchange x Iron/Manganese _ Nitrate Removal _ Radium Removal x Other | Yes | WELL 8 TRMT PLANT | Other: Silicate/corrosion control | 8 |

Water Treatment Plant

- g Provide a generic description for (a). Do not give specific address of location.
- g Please select all that apply for (d) and (e). If Other is selected please explain in Notes (h).
- g Please identity the point of application for each treatment plant for (g). For example, please list each well or central treatment facility served by this unit.

| Unit Description (a) | Year Constructed (b) | Rated Capacity (mgd) (c) | Disinfection (d) | Additional Treatment (e) | Fluoridated (f) | Point of Application (g) | Notes (h) | |
|----------------------------|----------------------------|-----------------------------------|---|---|--------------------|--------------------------------|-----------------------------------|----|
| WELL #12 | 2006 | 1 | _ Ultraviolet Light x Liquid Chlorine _ Gas Chlorine _ Ozone _ Other _ None | _ Flocculation/Sedimentation _ Sand Filtraton _ Activated Carbon Filtration _ Membrane Filtration _ Iron Exchange x Iron/Manganese _ Nitrate Removal _ Radium Removal x Other | Yes | WELL 8 TRMT PLANT | Other: Silicate/corrosion control | 9 |
| WELL #13 | 2009 | 1 | _ Ultraviolet Light x Liquid Chlorine _ Gas Chlorine _ Ozone _ Other _ None | _ Flocculation/Sedimentation _ Sand Filtraton _ Activated Carbon Filtration _ Membrane Filtration _ Iron Exchange _ Iron/Manganese _ Nitrate Removal _ Radium Removal x Other | Yes | WELLHOUSE | Other: Silicate/corrosion control | 10 |
| WELL #7 | 1963 | 1 | _ Ultraviolet Light x Liquid Chlorine _ Gas Chlorine _ Ozone _ Other _ None | _ Flocculation/Sedimentation _ Sand Filtraton _ Activated Carbon Filtration _ Membrane Filtration _ Iron Exchange _ Iron/Manganese _ Nitrate Removal _ Radium Removal x Other | No | WELLHOUSE | Other: Silicate/corrosion control | 11 |

- g Report mains separately by pipe material, function, diameter and either within or outside the municipal boundaries.
- g Explain all reported adjustments as a schedule footnote.
- g For main additions reported in column (e), as a schedule footnote:

Explain how the additions were funded.

Also report the amount assessed and the feet of main recorded under this method.

If installed by a developer, explain the basis of recording the cost of the additions, the total amount, and the feet of main recorded under this method.

g Report all pipe larger than Ï GHÁn diameter in the Ï GHÁsategory.

| | | | | ı | Number of Feet | | | |
|--|-------------------------|-----------------------------|----------------------|-----------------------------|-------------------------------|---|--------------------|----|
| Pipe Material (a) | Main Function (b) | Diameter (inches) (c) | First of Year (d) | Added During Year (e) | Retired During Year (f) | Adjustments Increase or (Decrease) (g) | End of Year (h) | |
| Other Metal | Distribution | 2 | 664 | | | | 664 | 1 |
| Ductile Iron, Lined (late 1960's to present) | Distribution | 3 | 5 | | | | 5 | 2 |
| Ductile Iron, Lined (late 1960's to present) | Distribution | 4 | 1,418 | - | | - | 1,418 | 3 |
| Ductile Iron, Lined (late 1960's to present) | Transmission | 4 | 15 | | | | 15 | 4 |
| PVC | Distribution | 4 | 18 | | | | 18 | 5 |
| Asbestos-Cement (Transite) | Distribution | 6 | 36 | | | | 36 | 6 |
| Ductile Iron, Lined (late 1960's to present) | Distribution | 6 | 91,610 | 53 | 50 | (31) | 91,582 | 7 |
| Ductile Iron, Lined (late 1960's to present) | Transmission | 6 | 4 | | | | 4 | 8 |
| Lined Cast Iron (mide-1950's to early 1970) | Distribution | 6 | 205,724 | | 3,724 | (241) | 201,759 | 9 |
| Other Metal | Distribution | 6 | 17 | | | | 17 | 10 |
| PVC | Distribution | 6 | 6,074 | 95 | | (131) | 6,038 | 11 |
| Ductile Iron, Lined (late 1960's to present) | Distribution | 8 | 516,543 | 50 | 955 | 103 | 515,741 | 12 |
| Ductile Iron, Lined (late 1960's to present) | Supply | 8 | 505 | | | | 505 | 13 |
| Ductile Iron, Lined (late 1960's to present) | Transmission | 8 | 124 | | | | 124 | 14 |
| HDPE | Distribution | 8 | 3,025 | | | | 3,025 | 15 |
| Lined Cast Iron (mide-1950's to early 1970) | Distribution | 8 | 77,129 | | 1,981 | 126 | 75,274 | 16 |
| Other Metal | Distribution | 8 | 891 | | | | 891 | 17 |
| PVC | Distribution | 8 | 215,374 | 7,241 | 162 | (103) | 222,350 | 18 |
| Ductile Iron, Lined (late 1960's to present) | Distribution | 10 | 224 | | | | 224 | 19 |
| Ductile Iron, Lined (late 1960's to present) | Transmission | 10 | 19 | | | | 19 | 20 |
| Lined Cast Iron (mide-1950's to early 1970) | Distribution | 10 | 977 | | | | 977 | 21 |
| PVC | Distribution | 10 | 1,436 | | | | 1,436 | 22 |
| Ductile Iron, Lined (late 1960's to present) | Distribution | 12 | 201,724 | | 12 | (221) | 201,491 | 23 |
| Ductile Iron, Lined (late 1960's to present) | Supply | 12 | 1,163 | | | | 1,163 | 24 |
| Ductile Iron, Lined (late 1960's to present) | Transmission | 12 | 8,554 | | | | 8,554 | 25 |
| HDPE | Distribution | 12 | 782 | | | | 782 | 26 |

- g Report mains separately by pipe material, function, diameter and either within or outside the municipal boundaries.
- g Explain all reported adjustments as a schedule footnote.
- g For main additions reported in column (e), as a schedule footnote:

Explain how the additions were funded.

Also report the amount assessed and the feet of main recorded under this method.

If installed by a developer, explain the basis of recording the cost of the additions, the total amount, and the feet of main recorded under this method.

g Report all pipe larger than Ï G-Án diameter in the Ï G-Ácategory.

| | Number of Feet | | | | | | | |
|--|-------------------------|-----------------------------|----------------------|-----------------------------|-------------------------------|---|--------------------|----|
| Pipe Material (a) | Main Function (b) | Diameter (inches) (c) | First of Year (d) | Added During Year (e) | Retired During Year (f) | Adjustments Increase or (Decrease) (g) | End of Year (h) | |
| Lined Cast Iron (mide-1950's to early 1970) | Distribution | 12 | 35,673 | | 3,427 | (381) | 31,865 | 27 |
| Other Metal | Distribution | 12 | 2,801 | | | | 2,801 | 28 |
| PVC | Distribution | 12 | 140,021 | 6,016 | 4 | (72) | 145,961 | 29 |
| PVC | Supply | 12 | 2 | | | | 2 | 30 |
| Ductile Iron, Lined (late 1960's to present) | Transmission | 14 | 290 | | | | 290 | 31 |
| Lined Cast Iron (mide-1950's to early 1970) | Transmission | 14 | 174 | | | - | 174 | 32 |
| Ductile Iron, Lined (late 1960's to present) | Supply | 16 | 3,803 | | | | 3,803 | 33 |
| Ductile Iron, Lined (late 1960's to present) | Transmission | 16 | 96,644 | | | 9 | 96,653 | 34 |
| HDPE | Supply | 16 | 793 | | | - | 793 | 35 |
| HDPE | Transmission | 16 | 1,869 | | | | 1,869 | 36 |
| Lined Cast Iron (mide-1950's to early 1970) | Transmission | 16 | 4,041 | | | | 4,041 | 37 |
| PVC | Transmission | 16 | 4,283 | | | | 4,283 | 38 |
| Ductile Iron, Lined (late 1960's to present) | Transmission | 20 | 33,462 | | | | 33,462 | 39 |
| Lined Cast Iron (mide-1950's to early 1970) | Transmission | 20 | 13,479 | | | | 13,479 | 40 |
| PVC | Transmission | 20 | 2,830 | | | | 2,830 | 41 |
| Ductile Iron, Lined (late 1960's to present) | Transmission | 24 | 25,731 | 98 | | (3) | 25,826 | 42 |
| HDPE | Transmission | 24 | 1,306 | | | | 1,306 | 43 |
| Lined Cast Iron (mide-1950's to early 1970) | Transmission | 24 | 1,109 | | | | 1,109 | 44 |
| HDPE | Transmission | 30 | 186 | | | | 186 | 45 |
| Total Within Municipality | | | 1,702,552 | 13,553 | 10,315 | (945) | 1,704,845 | 46 |
| Ductile Iron, Lined (late 1960's to present) | Distribution | 4 | 1,656 | | | | 1,656 | 47 |
| Ductile Iron, Lined (late 1960's to present) | Distribution | 6 | 501 | | | | 501 | 48 |
| Ductile Iron, Lined (late 1960's to present) | Distribution | 8 | 6,758 | | | | 6,758 | 49 |
| HDPE | Distribution | 8 | 52 | | | | 52 | 50 |
| PVC | Distribution | 8 | 2,741 | | | | 2,741 | 51 |
| Ductile Iron, Lined (late 1960's to present) | Distribution | 12 | 10,347 | | | | 10,347 | 52 |
| PVC | Distribution | 12 | 3,904 | | | | 3,904 | 53 |

- g Report mains separately by pipe material, function, diameter and either within or outside the municipal boundaries.
- g Explain all reported adjustments as a schedule footnote.
- g For main additions reported in column (e), as a schedule footnote:

Explain how the additions were funded.

Also report the amount assessed and the feet of main recorded under this method.

If installed by a developer, explain the basis of recording the cost of the additions, the total amount, and the feet of main recorded under this method.

g Report all pipe larger than Ï G-Án diameter in the Ï G-Ácategory.

| | | | | | Number of Fee | t | |
|--|-------------------------|-----------------------------|----------------------|-----------------------------|-------------------------------|---|--------------------|
| Pipe Material (a) | Main Function (b) | Diameter (inches) (c) | First of Year (d) | Added During Year (e) | Retired During Year (f) | Adjustments Increase or (Decrease) (g) | End of Year (h) |
| Ductile Iron, Lined (late 1960's to present) | Transmission | 16 | 9,862 | | | | 9,862 |
| HDPE | Transmission | 16 | 692 | | | | 692 |
| Lined Cast Iron (mide-1950's to early 1970) | Transmission | 16 | 4,474 | | | | 4,474 |
| PVC | Transmission | 16 | 82 | | | | 82 |
| Ductile Iron, Lined (late 1960's to present) | Transmission | 20 | 9,042 | | | | 9,042 |
| Lined Cast Iron (mide-1950's to early 1970) | Transmission | 20 | 3,407 | | | | 3,407 |
| Ductile Iron, Lined (late 1960's to present) | Transmission | 24 | 1,717 | | | | 1,717 |
| HDPE | Transmission | 24 | 529 | | | | 529 |
| Total Outside Municipality | | | 55,764 | | | | 55,764 |
| Total Utility | | | 1,758,316 | 13,553 | 10,315 | (945) | 1,760,609 |

- g Report mains separately by pipe material, function, diameter and either within or outside the municipal boundaries.
- g Explain all reported adjustments as a schedule footnote.
- g For main additions reported in column (e), as a schedule footnote:

Explain how the additions were funded.

Also report the amount assessed and the feet of main recorded under this method.

If installed by a developer, explain the basis of recording the cost of the additions, the total amount, and the feet of main recorded under this method.

g Report all pipe larger than Ï GHÁn diameter in the Ï GHÁcategory.

Water Mains (Page W-21)

Added During Year total is greater than zero, please explain financing following the criteria listed in the schedule headnotes.

The number of feet added in 2020 for Developer financed projects is 2,199 feet, added at actual cost. There was also 11,354 feet of Utility financed main installed in 2020.

Adjustments are nonzero for one or more accounts, please explain.

Adjustments were made based on an audit between PSC records and the Utility's GIS records. These adjustments will correct the size, footage, and material of the main to actual.

General Footnote

The footage listed under "added during year" varies from that used in the conservation report because projects that are not financially closed in 2020 are not included in schedule W-21 and remain in WIP.

Utility-Owned Water Service Lines

- $g \quad \,$ The utility's service line is the pipe from the main to and through the curb stop.
- g Explain all reported adjustments as a schedule footnote.
- g Report in column (h) the number of utility-owned service lines included in columns (g) which are temporarily shut off at the curb box or otherwise not in use at end of year.
- g For service lines added during the year in column (d), as a schedule footnote:

Explain how the additions were financed.

If assessed against property owners, explain the basis of the assessments.

If installed by a property owner or developer, explain the basis of recording the cost of the additions, the total amount and the number of service lines recorded under this method.

If any were financed by application of Cz-1, provide the total amount recorded and the number of service lines recorded under this method.

g Report service lines separately by diameter and pipe materials.

| Pipe Material (a) | Diameter (inches) (b) | First of Year (c) | Added During Year (d) | Removed or Permanently Disconnected During Year (e) | Adjustments Increase or (Decrease) (f) | End of Year (g) | NOT in Use at End of Year (h) | |
|--|-----------------------------|----------------------|-----------------------------|---|---|--------------------|--|------|
| Copper | 0.500 | 4 | | | | 4 | | 1 |
| Lead | 0.750 | 1 | | 1 | | 0 | | 2 |
| Copper | 0.750 | 1,482 | | 36 | | 1,446 | 7 | 3 |
| Copper | 1.000 | 13,887 | | 86 | | 13,801 | 23 | 4 |
| Other Plastic | 1.000 | 952 | 83 | | | 1,035 | 1 | * 5 |
| Copper | 1.250 | 1,645 | | 6 | | 1,639 | 2 | 6 |
| Other Plastic | 1.250 | 434 | 42 | | | 476 | | * 7 |
| Copper | 1.500 | 509 | | 2 | | 507 | 2 | 8 |
| Other Plastic | 1.500 | 141 | 9 | | | 150 | | * 9 |
| Copper | 2.000 | 456 | | 2 | | 454 | 6 | 10 |
| Other Plastic | 2.000 | 55 | 2 | 1 | | 56 | | * 11 |
| Copper | 3.000 | 8 | | | | 8 | | 12 |
| Ductile Iron, Lined (late 1960's to present) | 4.000 | 106 | | 1 | | 105 | | 13 |
| Lined Cast Iron (mide-1950's to early 1970) | 4.000 | 27 | | | | 27 | 2 | 14 |
| Other Plastic | 4.000 | 16 | | | | 16 | 1 | 15 |
| Unlined Cast Iron (pre-early 1950's) | 4.000 | 6 | | | | 6 | | 16 |
| Ductile Iron, Lined (late 1960's to present) | 6.000 | 125 | 2 | | | 127 | 4 | * 17 |
| Lined Cast Iron (mide-1950's to early 1970) | 6.000 | 15 | | 4 | | 11 | | 18 |
| Other Plastic | 6.000 | 183 | 6 | | | 189 | 1 | * 19 |
| Unlined Cast Iron (pre-early 1950's) | 6.000 | 2 | | | | 2 | | 20 |
| Ductile Iron, Lined (late 1960's to present) | 8.000 | 85 | | 1 | | 84 | | 21 |
| Lined Cast Iron (mide-1950's to early 1970) | 8.000 | 9 | | | | 9 | | 22 |
| Other Plastic | 8.000 | 29 | 5 | | | 34 | 4 | * 23 |
| Unlined Cast Iron (pre-early 1950's) | 8.000 | 1 | | | | 1 | | 24 |
| Other Plastic | 10.000 | 1 | | | | 1 | | 25 |
| Ductile Iron, Lined (late 1960's to present) | 12.000 | 3 | | | | 3 | | 26 |
| Other Plastic | 12.000 | 1 | | | | 1 | | 27 |

Date Printed: 3/26/2021 12:05:30 PM

Utility-Owned Water Service Lines

- g The utility's service line is the pipe from the main to and through the curb stop.
- g Explain all reported adjustments as a schedule footnote.
- g Report in column (h) the number of utility-owned service lines included in columns (g) which are temporarily shut off at the curb box or otherwise not in use at end of year.
- For service lines added during the year in column (d), as a schedule footnote:

Explain how the additions were financed.

If assessed against property owners, explain the basis of the assessments.

If installed by a property owner or developer, explain the basis of recording the cost of the additions, the total amount and the number of service lines recorded under this method.

If any were financed by application of Cz-1, provide the total amount recorded and the number of service lines recorded under this method.

g Report service lines separately by diameter and pipe materials.

Utility Total 20,183 149 140 20,192 53 28

Utility-Owned Water Service Lines

- g The utility's service line is the pipe from the main to and through the curb stop.
- g Explain all reported adjustments as a schedule footnote.
- g Report in column (h) the number of utility-owned service lines included in columns (g) which are temporarily shut off at the curb box or otherwise not in use at end of year.
- For service lines added during the year in column (d), as a schedule footnote:

Explain how the additions were financed.

If assessed against property owners, explain the basis of the assessments.

If installed by a property owner or developer, explain the basis of recording the cost of the additions, the total amount and the number of service lines recorded under this method.

If any were financed by application of Cz-1, provide the total amount recorded and the number of service lines recorded under this method.

q Report service lines separately by diameter and pipe materials.

Utility-Owned Water Service Lines (Page W-22)

Additions are greater than zero, please explain financing by following criteria listed in the schedule headnotes.

In 2020, 16 services were Developer/Contractor installed and are accounted for based on actual cost. 133 services were replaced or installed and funded by the Utility. Services installed by a home owner are contracted by that home owner.

Meters

- g Include in Columns (b-f) meters in stock as well as those in service.
- g Report in Column (c) all meters purchased during the year and in Column (d) all meters junked, sold or otherwise permanently retired during the year.
- q Use Column (e) to show correction to previously reported meter count because of inventory or property record corrections
- q Totals by size in Column (f) should equal same size totals in Column (s).
- g Explain all reported adjustments as schedule footnote.
- g Do not include station meters in the meter inventory used to complete these tables.

Number of Utility-Owned Meters

Classification of All Meters at End of Year by Customers

| Size of Meter | First of Year | , Added During Year | Retired During Year | , Adjust. Increase or Decrease | End of Year | Tested During Year | , Residential | : Commercial | : Industrial | Public Authority | : Multifamily Residential | Irrigation |) Wholesale | Inter-Departmental | Utility Use | , Additional Meters |) In Stock | , Total | |
|---------------|---------------|---------------------|---------------------|--------------------------------|-------------|--------------------|---------------|--------------|--------------|------------------|---------------------------|------------|-------------|--------------------|-------------|---------------------|------------|---------|---|
| (a) | (b) | (c) | (d) | (e) | (f) | (g) | (h) | (i) | (j) | (k) | (1) | (m) | (n) | (0) | (p) | (q) | (r) | (s) | |
| 5/8 | 17,417 | 900 | 541 | 2 | 17,778 | 151 | 16,524 | 513 | 42 | 7 | 35 | 119 | | | | | 538 | 17,778 | 1 |
| 3/4 | 1,711 | 36 | 27 | 1 | 1,721 | 4 | 1,306 | 232 | 16 | 3 | 116 | 9 | | | | | 39 | 1,721 | 2 |
| 1 | 930 | 28 | 21 | 2 | 939 | 2 | 52 | 251 | 32 | 28 | 544 | 4 | | | | | 28 | 939 | 3 |
| 1 1/2 | 375 | | | (1) | 374 | 95 | | 122 | 14 | 13 | 199 | 1 | | | | | 25 | 374 | 4 |
| 2 | 375 | | 1 | 3 | 377 | 81 | | 136 | 31 | 53 | 120 | 4 | | | | | 33 | 377 | 5 |
| 3 | 48 | | | | 48 | 16 | | 16 | 3 | 11 | 14 | | | | | | 4 | 48 | 6 |
| 4 | 16 | | | | 16 | 4 | | 3 | 6 | 3 | 1 | | | | | | 3 | 16 | 7 |
| 6 | 10 | | | | 10 | 10 | | 2 | 6 | 1 | | | | | | | 1 | 10 | 8 |
| Total | 20,882 | 964 | 590 | 7 | 21,263 | 363 | 17,882 | 1,275 | 150 | 119 | 1,029 | 137 | | | | | 671 | 21,263 | 9 |

1. Indicate your residential meter replacement schedule:

Meters tested once every 10 years and replaced as needed

X All meters replaced within 20 years of installation

Other schedule as approved by PSC

2. Indicate the method(s) used to read customer meters

Manually - inside the premises or remote register

X Automatic meter reading (AMR), drive or walk by technology, wand or touchpad (# of meter: 20589)

Advanced Metering Infrastructure (AMI) - fixed network

X Other (# of meter: 3)

Meters

- g Include in Columns (b-f) meters in stock as well as those in service.
- g Report in Column (c) all meters purchased during the year and in Column (d) all meters junked, sold or otherwise permanently retired during the year.
- g Use Column (e) to show correction to previously reported meter count because of inventory or property record corrections
- g Totals by size in Column (f) should equal same size totals in Column (s).
- g Explain all reported adjustments as schedule footnote.
- g Do not include station meters in the meter inventory used to complete these tables.

Meters

- g Include in Columns (b-f) meters in stock as well as those in service.
- q Report in Column (c) all meters purchased during the year and in Column (d) all meters junked, sold or otherwise permanently retired during the year.
- g Use Column (e) to show correction to previously reported meter count because of inventory or property record corrections
- q Totals by size in Column (f) should equal same size totals in Column (s).
- g Explain all reported adjustments as schedule footnote.
- p Do not include station meters in the meter inventory used to complete these tables.

Meters (Page W-23)

Adjustments are nonzero for one or more meter sizes, please explain.

Adjustments are a result of the reconciliation between the end of the year report and a physical inventory of all in-stock meters.

Explain Other method used to read meteres

Three customers do not have AMR technology installed and call in their own readings.

Wisconsin Administrative Code requires that meters 1 1/2 and 2 inches be tested or replaced every 4 years. You did not meet these requirements. Please explain your program for testing and replacing meters.

1.5" and 2" meters are tested once every four years.

Wisconsin Administrative Code requires that meters 1 inch or smaller be tested every 10 years or replaced every 20 years. You did not meet these requirements. Please explain your program for testing and replacing meters.

The Utility has a rolling twenty year replacement program for 5/8", 3/4", and 1" meters. Meters are removed from a property prior to the twenty year limit and are scrapped and retired.

Wisconsin Administrative Code requires that meters 3 and 4 inches be tested or replaced every 2 years. You did not meet these requirements. Please explain your program for testing and replacing meters.

3" and 4" meters are tested once every two years, however due to COVID restrictions, the Utility was not able to test all meters. All meters not tested in 2020, will be completed in 2021.

Hydrants and Distribution System Valves

g Distinguish between fire and flushing hydrants by lead size.

Fire hydrants normally have a lead size of 6 inches or greater.

Record as a flushing hydrant where the lead size is less than 6 inches or if pressure is inadequate to provide fire flow.

- g Explain all reported adjustments in the schedule footnotes.
- $\ensuremath{\mathtt{g}}$ Report fire hydrants as within or outside the municipal boundaries.
- g Number of hydrants operated during year means: opened and water withdrawn.
- g Number of distribution valves operated during year means: fully opened and closed (exercised).

| Hydrant Type (a) | Number In Service First of Year (b) | Added During Year (c) | Removed During Year (d) | Adjustments Increase or (Decrease) (e) | Number In Service End of Year (f) | |
|-----------------------------|--|-----------------------------|-------------------------------|---|--|-----|
| Fire - Outside Municipality | 74 | | | | 74 | 1 |
| Fire - Within Municipality | 3,421 | 36 | 32 | (4) | 3,421 | * 2 |
| Total Fire Hydrants | 3,495 | 36 | 32 | (4) | 3,495 | 3 |
| Flushing Hydrants | 0 | | | | 0 | 4 |

NR810.13(2)(a) recommends that a schedule shall be adopted and followed for operating each system valve and hydrant at least once each two years. Please provide the number operated during the year.

Number of Hydrants operated during year 1,234

Number of Distribution System Valves end of year 8,254

Number of Distribution Valves operated during Year 1,856

Hydrants and Distribution System Valves

- g Distinguish between fire and flushing hydrants by lead size.
 - Fire hydrants normally have a lead size of 6 inches or greater.

Record as a flushing hydrant where the lead size is less than 6 inches or if pressure is inadequate to provide fire flow.

- g Explain all reported adjustments in the schedule footnotes.
- $\ensuremath{\mathtt{g}}$ Report fire hydrants as within or outside the municipal boundaries.
- g Number of hydrants operated during year means: opened and water withdrawn.
- g Number of distribution valves operated during year means: fully opened and closed (exercised).

Hydrants and Distribution System Valves (Page W-25)

Adjustments are nonzero for one or more accounts, please explain.

An adjustment has been made to hydrants based on an audit between PSC records and the Utility's GIS records. The adjustment will correct the number of hydrants listed to actual.

General Footnote

WWU continues to test and operate distribution valves and hydrants following DNR code NR810.

List of All Station and Wholesale Meters

- $g \quad \text{Definition of Station Meter is any meter in service not used to measure customer consumption.} \\$
- g Definition of Wholesale Meter is any meter used to measure sales to other utilities.
- g Retail customer meters should not be included in this inventory.

| Purpos (a) | Meter Size e (inches) (b) | Location or Description (c) | Type (d) | Date of Last Meter Test (e) | |
|---------------|---------------------------------|-----------------------------|-------------|-----------------------------------|----|
| Station Meter | 6 | Well #11 | Magnetic | 03/10/2021 | 1 |
| Station Meter | 8 | Well #12 | Magnetic | 03/10/2021 | 2 |
| Station Meter | 8 | Well #3 | Magnetic | 03/10/2021 | 3 |
| Station Meter | 8 | Well #7 | Magnetic | 03/10/2021 | 4 |
| Station Meter | 12 | Well #13-1 | Magnetic | 03/10/2021 | 5 |
| Station Meter | 12 | Well #13-2 | Magnetic | 03/10/2021 | 6 |
| Station Meter | 12 | Well #5 | Magnetic | 03/10/2021 | 7 |
| Station Meter | 12 | Well #6 | Magnetic | 03/10/2021 | 8 |
| Station Meter | 12 | Well #8-1 | Magnetic | 03/10/2021 | 9 |
| Station Meter | 12 | Well #8-2 | Magnetic | 03/10/2021 | 10 |
| Station Meter | 16 | Well #10 | Magnetic | 03/10/2021 | 11 |
| Station Meter | 16 | Well #9 | Magnetic | 03/10/2021 | 12 |

List of All Station and Wholesale Meters

- g Definition of Station Meter is any meter in service not used to measure customer consumption.
- g Definition of Wholesale Meter is any meter used to measure sales to other utilities.
- g Retail customer meters should not be included in this inventory.

List of All Station and Wholesale Meters (Page W-26)

Wisconsin Administrative Code requires that station meters be tested for accuracy at least once every 2 years. The Utility did not meet these requirements. Please explain the Utility's program for testing and replacing meters.

Waukesha Water Utility supply meter testing is on a two-year cycle and is scheduled for testing in 2021.

The meters were tested on 3/10/2021 and prior to that, they were tested on 4/19/2019.

Water Conservation Programs

- g List all water conservation-related expenditures for the reporting year. Include administrative costs, customer outreach and education, other program costs, and payments for rebates and other customer incentives. Do not include leak detection, other water loss program costs.
- g If the Commission has approved conservation program expenses, these should be charged to Account 186. Otherwise, these expenses are reported in Account 906 on Schedule W-05 (Account 691 for class D utilities).

| Item Description (a) | Expenditures (b) | Number of Rebates (c) | Water Savings Gallons (d) | |
|--|------------------|-----------------------------|---------------------------------|----|
| Administrative and General Expenses | | | | 1 |
| Program Administration | 8,829 | 0 | 0 | 2 |
| Customer Outreach & Education | 8,538 | 0 | 0 | 3 |
| Other Program Costs | 2,497 | 0 | 0 | 4 |
| Total Administrative and General Expenses | 19,864 | 0 | 0 | 5 |
| Customer Incentives | | | | 6 |
| Residential Toilets | 7,450 | 75 | 694,748 | 7 |
| Multifamily/Commercial Toilets | 27,100 | 279 | 5,254,909 | 8 |
| Faucets | 0 | 0 | 0 | 9 |
| Showerheads | 70 | 3 | 6,187 | 10 |
| Clothes Washers | 0 | 0 | 0 | 11 |
| Dishwashers | 0 | 0 | 0 | 12 |
| Smart Irrigation Controller | 0 | 0 | 0 | 13 |
| Commercial Pre-Rinse Spray Valves | 0 | 0 | 0 | 14 |
| Cost Sharing Projects (Nonresidential Customers) | 0 | 0 | 0 | 15 |
| Customer Water Audits | 0 | 0 | 0 | 16 |
| Other Incentives | 260 | 13 | 16,900 * | 17 |
| Total Customer Incentives | 34,880 | 370 | 5,972,744 | 18 |
| TOTAL CONSERVATION | 54,744 | 370 | 5,972,744 | 19 |

Water Conservation Programs

- g List all water conservation-related expenditures for the reporting year. Include administrative costs, customer outreach and education, other program costs, and payments for rebates and other customer incentives. Do not include leak detection, other water loss program costs.
- g If the Commission has approved conservation program expenses, these should be charged to Account 186. Otherwise, these expenses are reported in Account 906 on Schedule W-05 (Account 691 for class D utilities).

Water Conservation Programs (Page W-27)

Expenditures for Other Incentives are non-zero, please explain.

Thirteen rain barrel incentives were reimbursed for a total of \$260, with a water savings of 16,900 gallons.

General Footnote

The full conservation report will be filed electronically.

Please explain all values in Other Program Costs.

Other program costs include advertising for the sprinkling program and all other incentive programs offered.

Water Customers Served

- g List the number of customer accounts in each municipality for which your utility provides retail general service. Do not include wholesale customers or fire protection accounts.
- g Per Wisconsin state statute, a city, village, town or sanitary district owning water plant or equipment may serve customers outside its corporate limits, including adjoining municipalities. For purposes of this schedule, customers located %Within Muni Boundary-Á refers to those located inside the jurisdiction that owns the water utility.

| Municipality (a) | Customers End of Year (b) | |
|---------------------------------|---------------------------------|---|
| Pewaukee (City) | 54 | 1 |
| Waukesha (City) ** | 20,400 | 2 |
| Waukesha (Town) | 129 * | 3 |
| Total - Waukesha County | 20,583 | 4 |
| Total - Customers Served | 20,583 | 5 |
| Total - Outside Muni Boundary | 183 | 6 |
| Total - Within Muni Boundary ** | 20,400 | 7 |

^{** =} Within municipal boundary

Water Customers Served

- g List the number of customer accounts in each municipality for which your utility provides retail general service. Do not include wholesale customers or fire protection accounts.
- g Per Wisconsin state statute, a city, village, town or sanitary district owning water plant or equipment may serve customers outside its corporate limits, including adjoining municipalities. For purposes of this schedule, customers located %Within Muni Boundary-Á refers to those located inside the jurisdiction that owns the water utility.

Water Customers Served (Page W-28)

General Footnote

Town of Waukesha should be listed as the "Village" of Waukesha. The Town officially became a Village effective 5/12/2020. This report did not have that option available in the dropdown list.

Privately-Owned Water Service Lines

- g The privately owned service line is the pipe from the curb stop to the meter.
- g Explain all reported adjustments in columns(f) as a schedule footnote.
- g Report in column (h) the number of privately-owned service lines included in columns (g) which are temporarily shut off at the curb box or otherwise not in use at end of year.
- g Separate reporting of service lines by diameter and pipe material.

| Pipe Material (a) | Diameter (inches) (b) | First of Year (c) | Added During Year (d) | Disconnected | Adjustments Increase or (Decrease) (f) | End of Year (g) | Customer Owned Service Laterals Not in Use at End of Year (i) | Replaced During Year Using Financial Assistance from Utility (h) | |
|--|-----------------------------|----------------------|-----------------------------|--------------|---|--------------------|---|--|-----|
| Copper | 0.500 | 4 | | | | 4 | | | 1 |
| Galvanized | 0.750 | | | | 47 | 47 | | | * 2 |
| Copper | 0.750 | 1,483 | | 37 | (47) | 1,399 | 7 | | 3 |
| Copper | 1.000 | 13,887 | | 86 | | 13,801 | 23 | | 4 |
| Other Plastic | 1.000 | 952 | 83 | | | 1,035 | 1 | | 5 |
| Copper | 1.250 | 1,645 | | 6 | | 1,639 | 2 | | 6 |
| Other Plastic | 1.250 | 434 | 42 | | | 476 | | | 7 |
| Galvanized | 1.500 | | | | 1 | 1 | | | * 8 |
| Copper | 1.500 | 509 | | 2 | (1) | 506 | 2 | | 9 |
| Other Plastic | 1.500 | 141 | 9 | | | 150 | | | 10 |
| Copper | 2.000 | 456 | | 2 | | 454 | 6 | | 11 |
| Other Plastic | 2.000 | 55 | 2 | 1 | | 56 | | | 12 |
| Copper | 3.000 | 8 | | | | 8 | | | 13 |
| Ductile Iron, Lined (late 1960's to present) | 4.000 | 106 | | 1 | | 105 | | | 14 |
| Lined Cast Iron (mide-1950's to early 1970) | 4.000 | 27 | | | | 27 | 2 | | 15 |
| Other Plastic | 4.000 | 16 | | | | 16 | 1 | | 16 |
| Unlined Cast Iron (pre-early 1950's) | 4.000 | 6 | | | | 6 | | | 17 |
| Ductile Iron, Lined (late 1960's to present) | 6.000 | 125 | 2 | | | 127 | 4 | | 18 |
| Lined Cast Iron (mide-1950's to early 1970) | 6.000 | 15 | | 4 | | 11 | | | 19 |
| Other Plastic | 6.000 | 183 | 6 | | | 189 | 1 | | 20 |
| Unlined Cast Iron (pre-early 1950's) | 6.000 | 2 | | | | 2 | | | 21 |
| Ductile Iron, Lined (late 1960's to present) | 8.000 | 85 | | 1 | | 84 | | | 22 |
| Lined Cast Iron (mide-1950's to early 1970) | 8.000 | 9 | | | | 9 | | | 23 |
| Other Plastic | 8.000 | 29 | 5 | | | 34 | 4 | | 24 |
| Unlined Cast Iron (pre-early 1950's) | 8.000 | 1 | | | | 1 | | | 25 |
| Other Plastic | 10.000 | 1 | | | | 1 | | | 26 |
| Ductile Iron, Lined (late 1960's to present) | 12.000 | 3 | | | | 3 | | | 27 |
| Other Plastic | 12.000 | 1 | | | | 1 | | | 28 |
| Utility Total | | 20,183 | 149 | 140 | 0 | 20,192 | 53 | | 29 |

Date Printed: 3/26/2021 12:05:34 PM

Privately-Owned Water Service Lines

- g The privately owned service line is the pipe from the curb stop to the meter.
- g Explain all reported adjustments in columns(f) as a schedule footnote.
- g Report in column (h) the number of privately-owned service lines included in columns (g) which are temporarily shut off at the curb box or otherwise not in use at end of year.
- g Separate reporting of service lines by diameter and pipe material.

Privately-Owned Water Service Lines (Page W-29)

General Footnote

This information is based on the data that the Utility has for street services. The Utility will continue to work with GIS and other known information to update property service line data. The Utility is not aware of any lead property services remaining in the system. Adjustments were made to update known property services in the system.

PUBLIC SERVICE COMMISSION OF WISCONSIN REPORT ON WATER CONSERVATION PROGRAMS

Utility Name: Waukesha Water Utility - 6240

Report Date: 03/26/2021

Report Period: 01/01/2020 – 12/31/2020

Report Frequency: Annual

Billing Frequency: Quarterly

Person Submitting Report: Joseph Ciurro

Waukesha Water Utility is submitting this report to the Public Service Commission, as required by PSC 185.97. This report addresses each of the points requested by the Commission, including the following information.

| Section | <u>Topic</u> | <u>Page</u> |
|---------|--|-------------|
| | | |
| | EXECUTIVE SUMMARY | 2 |
| II | ANNUAL BUDGET AND EXPENSES | 3 |
| III | INCENTIVE PROGRAMS | 4 |
| IV | EFFECTS OF WATER RATES STRUCTURE | 24 |
| V | CONSERVATION EFFICIENCY MEASURES - NON RESIDENTIAL | 29 |
| VI | EDUCATION PROGRAMS AND PARTNERSHIPS | 71 |
| VII | WATER LOSSES AND ACCOUNTED FOR WATER | 99 |
| VIII | CONCLUSION | 102 |

I. EXECUTIVE SUMMARY

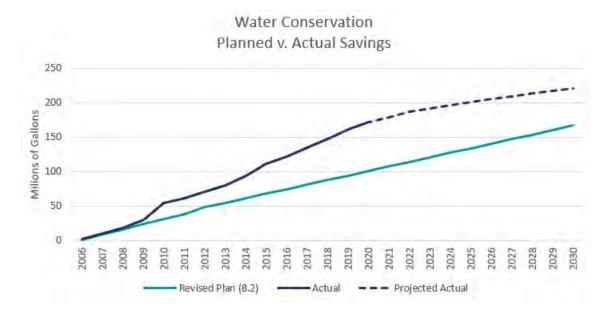
Water conservation is important in the City of Waukesha. Since 2006, the Utility has implemented a variety of conservation programs, and the City's conservation efforts became more focused with

the passage of NR 852.



This report shows that the Utility is addressing all the requirements of NR 852; and that by addressing the requirements, the City's consumption has steadily decreased. Since its passage in 2010, the City's annual pumpage and average day pumpage have decreased by 21%.

Waukesha is exceeding its conservation goals. The 2012 Conservation Plan projected a cumulative savings of 100.9 million gallons by 2020. As shown in the graph below, the Utility is ahead of it's conservation goals. If Waukesha stays on track, the Utility will exceed savings of 0.8 million gallons per day by 2050.



Finally, because the Utility uses the criterion recommended in the 2012 Plan (cost effectiveness) to guide it's efforts, the Utility achieves its goals by spending only a modest amount.

II. ANNUAL BUDGET AND EXPENDITURES

Per Docket 6240-WR-107 the PSC determined that a "reasonable level of conservation costs recoverable in rates for the test year (2012) is \$62,271." Subsequently, with Docket 6240-WR-109, the PSC agreed that the same level of costs was reasonable with a revised test year of 2017.

The actual costs since 2016 are as follows:

| | Actual | | | | | |
|---------------------------------|--------|--------|-----------|-----------|-----------|-----------|
| | | 2020 | 2019 | 2018 | 2017 | 2016 |
| Revenue | | | | | | |
| Rates | \$ | 62,271 | \$ 62,271 | \$ 62,271 | \$ 62,271 | \$ 62,271 |
| Sewer Reimbursement | | 30,000 | 30,000 | 30,000 | 30,000 | 30,123 |
| | | 92,271 | 92,271 | 92,271 | 92,271 | 92,394 |
| Expenses | | | | | | |
| Program Administration | | 8,829 | 8,630 | 8,954 | 17,873 | 15,205 |
| Customer Outreach and Education | | 8,538 | 14,875 | 15,102 | 22,030 | 22,440 |
| Other Program Costs | | 2,497 | 2,549 | 2,951 | 1,544 | 859 |
| Leak Surveys | | - | - | 11,450 | 15,197 | 10,206 |
| Toilet Rebates | | 34,550 | 46,382 | 17,589 | 32,824 | 17,652 |
| Grants & Incentives | | 330 | 190 | 15,428 | 2,819 | 4,298 |
| | | 54,744 | 72,626 | 71,474 | 92,287 | 70,660 |
| | | | | | | |
| Excess(Deficit) | \$ | 37,527 | \$ 19,645 | \$ 20,797 | \$ (16) | \$ 21,735 |

Program revenue remained consistent from 2019 to 2020. The rate order (Docket #6240-WR-109), effective for 2020, allows for \$62,271 in conservation costs to be recoverable by water rates, with \$30,000 of funding charged to the City's Sewer Department.

Costs associated with this program were significantly affected by the worldwide COVID-19 pandemic as it reduced in-office staff hours associated with promoting the program and educating the public; and also limited resources for residents, property owners and businesses to invest in water-conserving fixtures and equipment. That being said, there was still \$19,864 spent on program operating expenses and \$34,880 in incentives that have a direct effect on water conservation measurements. The program generated an excess of \$37,527 in 2020; the average excess generated since 2012 has increased from \$11,213 per year in 2019 to \$14,137 per year in 2020.

The most significant expense changes between 2020 and 2019 includes the decrease in staff time towards customer outreach and education due to the pandemic and a decrease in toilet rebates (354 vs. 476). The program still focused its efforts on reaching out to large multi-family customers; there were just fewer applications from those owners to replace toilets in 2020. The Utility plans to continue its efforts of replacing inefficient toilets and promoting its business conservation incentive program in 2021. Additionally, staff will begin to work on its conservation plan update near the end of 2021, with an expected completion in 2022.

III. INCENTIVE PROGRAMS

The Utility has four active incentive programs:

- 1. Toilet Rebate Program
- 2. Shower Head Rebate Program
- 3. Rain Barrel Rebate Program
- 4. Grants for Innovative Site Specific Water Savings Measures





1. Toilet Rebate Program

Waukesha Water Utility's High-Efficiency, 1.28 gpf (gallons per flush), WaterSense toilet rebate program has been in effect since October 2008. From October 2008 to July 2012, the program offered a \$25 rebate. In 2012, the Utility increased the rebate to \$100, although less is paid if the actual cost to the customer is less.

In 2020, the Utility continued to offer the residential toilet and showerhead rebates. However, as we did in the previous year, we continued to focus on large multi-families.

Prior to the COVID-19 pandemic, our staff was able to pre-inspect toilets for 3 large multi-families, to make sure that the toilets qualified for a rebate. Once again, there were a few instances where the Utility found toilets that were leaking and notified the apartment management immediately.

By the end of 2020, there was a total of 354 toilet rebates. This included 1 commerical toilet, 75 residential toilets, and 278 toilets from multi-families (8 from duplexes/condo units and 270 from large multi-family buildings).

There probably would have been more toilet rebates, but due to the pandemic people were staying home, not going out to the stores for purchases, and not allowing other people into their homes – plumbers, installers, etc.

Detailed information pertaining to the toilet rebates are shown on the following pages.



Woodfield Heights Apartments replaced 70 toilets that dated back to 1986-1988.



The Meadows Apartments changed out 100 toilets – most of the toilets dated back to 1972, but a few were dated 1991.



Willow Creek Apartments changed out 100 toilets – most of the old toilets dated back to 1987.

The cover letters for the large multi-family toilet rebates are shown on the next 3 pages.





Telephone: (262) 521-5272 * Fax: (262) 521-5265 * E-mail: contactus@waukesha-water.com

December 10, 2020

Woodfield Heights Apartments Equity Property Management Attn: Kevin Donohoe 200 W 75th Place Merrillville, IN 46410

Re: Toilet Rebates for Woodfield Heights Apartments

Dear Mr. Donohoe:

Waukesha Water Utility would like to thank you for participating in the toilet rebate program. Your rebate application has been processed for 70 WaterSense toilets at \$99.00 per toilet. Please find enclosed a check for \$6,930.

Thank you again for working with the Utility and changing out the water wasting toilets. We appreciate your commitment to conserve water.

Sincerely,

WAUKESHA WATER UTILITY

Joseph Ciurro

Administrative Services Manager

mka

Enclosure: Check No. 44059

cc: Colleen Swirth

Cover Letter for Woodfield Height Apartments Toilet Rebates





Telephone: (262) 521-5272 • Fax: (262) 521-5265 • E-mail: contactus@waukesha-water.com

December 10, 2020

The Meadows Attn: Lori Gabay 2400 Springdale Road Waukesha, WI 53186

Re: Toilet Rebates for The Meadows Apartments

To Whom It May Concern:

Waukesha Water Utility would like to thank you for participating in the toilet rebate program. Your rebate application has been processed for 100 WaterSense toilets at \$96.75 per toilet. Please find enclosed a check for \$9,675.

Thank you again for working with the Utility and changing out the water wasting toilets. We appreciate your commitment to conserve water.

Sincerely,

WAUKESHA WATER UTILITY

Joseph Ciurro

Administrative Services Manager

mka

Enclosure: Check No. 45366

cc: Josh Waldoch

Cover Letter for The Meadows Apartments Toilet Rebates

115 DELAFIELD STREET WAUKESHA, WI 53188-3615

SERVING WAUKESHA SINCE 1886

Telephone: (262) 521-5272 • Fax: (262) 521-5265 • E-mail: contactus@waukesha-water.com

December 10, 2020

Willow Creek of Waukesha LP 2420 Parklawn Drive Waukesha, WI 53186

Re: Toilet Rebates for Willow Creek Apartments

To Whom It May Concern:

Waukesha Water Utility would like to thank you for participating in the toilet rebate program. Your rebate application has been processed for 100 WaterSense toilets at \$96.75 per toilet. Please find enclosed a check for \$9,675.

Thank you again for working with the Utility and changing out the water wasting toilets. We appreciate your commitment to conserve water.

Sincerely,

WAUKESHA WATER UTILITY

Joseph Ciurro

Administrative Services Manager

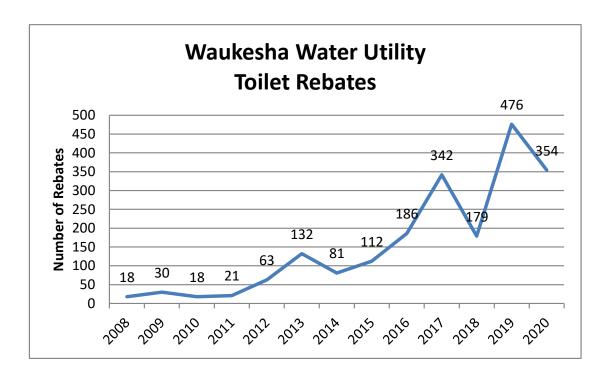
mka

Enclosure: Check No. 45370

cc: Josh Waldoch

Cover Letter for Willow Creek Apartments Toilet Rebates

Historically, the following rebates have been awarded:



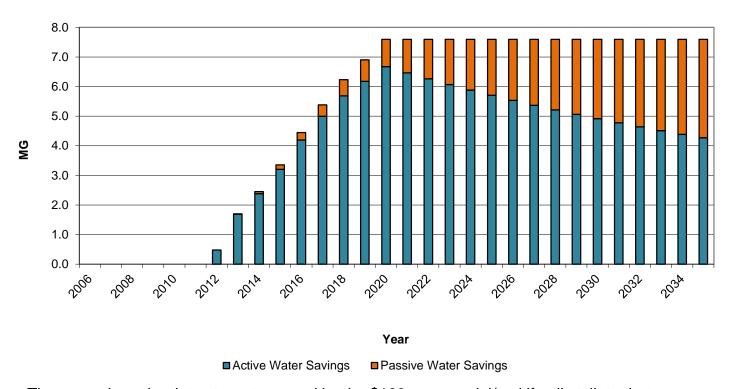
Using the Alliance for Water Efficiency (AWE) Conservation Tracking Tool, the annual cost effectiveness of the program is demonstrated below.

| | | | | Unit | | | | |
|-------------|--|-----------|------------|----------|------------|------------|------------|-------|
| | | Unit Cost | PV | Benefit | PV | Avoided | Avoided | B/C |
| Class | Activity Name | (\$/MG) | Cost | (\$/MG) | Benefit | Supply | Wastewater | Ratio |
| Residential | Residential HE Toilets, \$25 Rebate | 412.18 | 8,729.64 | 1,662.09 | 35,201.33 | 19,596.13 | 15,605.20 | 4.03 |
| Residential | Residential HE Toilets, \$100 Rebate | 658.53 | 118,469.90 | 1,901.51 | 342,084.71 | 190,692.19 | 151,392.52 | 2.89 |
| Commercial | Commercial HE Toilet, Large MF \$100 Rebate | 331.47 | 154,151.33 | 2,015.48 | 937,296.20 | 522,799.22 | 414,496.98 | 6.08 |
| Industrial | CII Tank-Type HE Toilet, \$50 Rebate (Industri | 147.91 | 475.55 | 1,948.21 | 6,263.97 | 3,492.59 | 2,771.37 | 13.17 |

In 2020, \$100 toilet rebates for single-family residences and \$100 rebates for commercial\multifamily buildings were issued. The projected water savings through 2035, for those two rebates, is demonstrated by the graphs on the next page. Projected water savings for past program incentives such as a \$25 residential toilet rebate or \$50 industrial toilet rebates can be found in past annual reports or provided upon request.

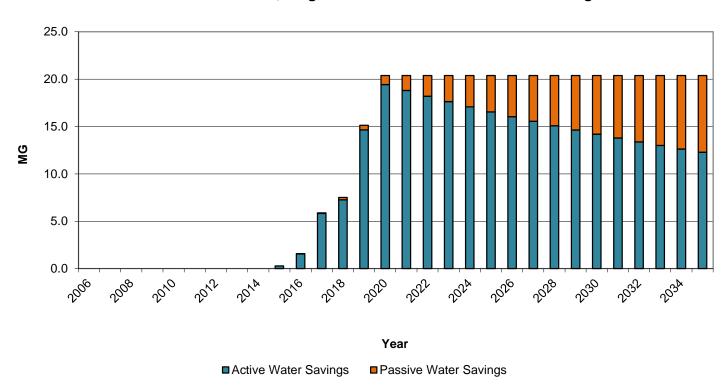
The first graph relates to water saved by the \$100 residential rebates.

Residential HE Toilets, \$100 Rebate Annual Water Savings



The second graph relates to water saved by the \$100 commercial/multifamily toilet rebates.

Commercial HE Toilet, Large MF \$100 Rebate Annual Water Savings



Water Sense®



2. Shower Head Rebate Program

In late 2016, the Utility implemented a shower head rebate program. Customers who replace their 1992 or older shower head with a high-efficiency WaterSense shower head would be eligible for a \$25 rebate. In 2020, there were 3 shower head rebates.

The residential toilet & showerhead rebate application, along with the large multi-family toilet rebate application, is shown on the following four pages. The advertisements for the rebate programs are shown in the public Education section.







Waukesha Water Utility
P. O. Box 1648
Waukesha, WI 53187-1648
www.waukesha-water.com
Phone: 262-409-4423

Phone: 262-409-4423 Fax: 262-521-5265

RESIDENTIAL - SINGLE FAMILY, DUPLEX, & TRI-PLEX HIGH-EFFICIENCY TOILET & SHOWER HEAD REBATES

| \$100 Toilet Rebate | Replace a 1993 or Older (3.5 gpf or more - gallon per flush) toilet with a WaterSense High-Efficiency 1.28 gpf toilet and receive up to a \$100 rebate. |
|-------------------------|--|
| | (Residential customers can save 9,000 – 11,000 gals. of water/year, depending on family size.) |
| \$25 Shower Head Rebate | Replace a 1992 or Older shower head with a WaterSense model shower head and receive up to a \$25 rebate. |
| | (Residential customers can save approximately 2,900 gals. of water/year, and approximately 300 kwh of electricity annually.) |

Customer Eligibility/Program Rules:

If replacing more than 5 toilets, please see Large Multi-Family/Commercial Rebate Application.

- Rebates are available on first-come, first-served basis until funds are exhausted.
- Property where toilet/showerhead is installed is a customer of Waukesha Water Utility.
- 3. High efficiency toilets must replace toilets installed in 1993 or prior.
- 4. Shower heads must replace shower heads installed in 1992 or prior.
- New construction is not eligible.
- New toilet/showerhead must have the WaterSense logo (as shown on top of this page).
- Applicant must be the owner of the property listed on the rebate application.
- An original, unaltered, dated sales receipt listing the make and model numbers, MUST accompany the rebate application.
- A picture showing the YEAR of the original toilet & a picture of the installed toilet is
 required and needs to be attached to the application in order to receive the rebate.
- Applicant agrees and understands that Waukesha Water Utility or its representatives reserve the right to inspect the installation before or after the rebate credit is mailed out.
- 11. The Utility will withhold the rebate until all conditions are met.
- Rebates are not available for the costs of installation.
- 13. Old toilets/showerheads cannot be reused.
- Submit the application materials to the Waukesha Water Utility (address listed above).

Updated Toilet & Shower Head Rebate Application Front Side



Waukesha Water Utility P.O. Box 1648 Waukesha, WI 53187-1648

Waukesha, WI 53187-1648 Phone: (262) 409-4423 Fax: (262) 521-5265

TOILET & SHOWER HEAD REBATE FORM

Please Print & Read All Program Rules, on the Other Side of This Form, Prior to Submitting

| NAME: | | Owner O | cupant Account #: | | | | |
|-------------------------|-----------------------------|---------------------|--|--|--|--|--|
| SERVICE ADDI | RESS (Where toilet/showe | | 37.150 (27.37.1) | | | | |
| MAIL REBATE | TO THIS ADDRESS: | | | | | | |
| CITY: | | STATE: | | | | | |
| PHONE (Day): | | PHONE (Ev | PHONE (Evening): | | | | |
| EMAIL: | | Preferred Me | thod of Contact: Email Phone | | | | |
| How did you he | ar about this program? | | | | | | |
| Number of | Number of Toilets | Number of | Number of Showerheads Number of | | | | |
| Toilets at this | Currently Replaced for | Showers at | Currently Replaced for this persons in | | | | |
| Address: | this Rebate Application: | this Address: | Rebate Application: Household | | | | |
| | | | | | | | |
| Old Toilet(s) In | formation: (this informatio | n may be found in t | he toilet tank or under the tank lid.) | | | | |
| | t(s):Size, Make | | A CONTRACTOR OF THE PROPERTY O | | | | |
| | | (si | zes) (makes) (model numbers | | | | |
| | Or | 157 | | | | | |
| Measurement(s | | width of the water | r level (when the tank(s) is full) | | | | |
| | | | | | | | |
| | (height) (de | pth) | (width) | | | | |
| New Toilet/Sho | wer Head Information: | | | | | | |
| | | | | | | | |
| Toilet: Date of | purchase: Store when | re purchased fron | 1: Purchase Price: \$ | | | | |
| | | The second second | | | | | |
| | | | Is this a 1.28 gal/flush Toilet? | | | | |
| Manufacture | er Model Name | Model Number | er Is this a WaterSense Toilet? | | | | |
| | | | | | | | |
| | | | Is this a 1.28 gal/flush Toilet? | | | | |
| Manufacture | er Model Name | Model Number | er Is this a WaterSense Toilet? | | | | |
| | | | | | | | |
| Date(s) installed | : Install Cost: | 5 Inst | alled by: Do-it yourself Plumbe | | | | |
| Shower Head: | Date of purchase: | Store where purch | nased from:Price;\$ | | | | |
| | | | Is this a WaterSense Fixture? | | | | |
| Manufacturer Model Name | | | | | | | |
| Manufacture | Model Name | woder Numi | er How Many Installed? | | | | |
| | | | Is this a WaterSense Fixture? | | | | |
| Manufacture | Model Name | Model Numb | | | | | |
| Manufacture | r Model Name | Model Numb | er How Many Installed? | | | | |
| Date installed:_ | Install Cost: \$ | | talled by: Do-it yourself Delumbe | | | | |
| | | | uidelines and I agree to a possible site visit I | | | | |
| | | | ceipt & Installation Pictures Must Be Attache | | | | |
| | | | | | | | |
| | Property Owner Signature | | Date | | | | |
| | | | | | | | |





Large Multi-Family/Commercial Toilet Rebate Application

SECTION 1: INCENTIVE INFORMATION

- Please note, you MUST receive pre-approval from Waukesha Water Utility prior to beginning any toilet change out project (including removing old toilets, ordering, purchasing, and installing new toilets).
- . Large Multi-Family/Commercial Toilet Rebate Incentives will be determined on a case by case basis depending on available funds.
- Incentives are only available for the cost of toilets, not for labor or installation costs.
- The total maximum incentive a customer may receive is up to \$100 per toilet and no more than \$10,000.
- Approval of an incentive entitles the Utility to reference the project in documents that reference its conservation program. This may
 include an interview with the project staff and/or photos for submission to the Wis. Water Association newsletter, the Waukesha Freeman,
 the Utility's website, and the annual report to the Wisconsin Public Service Commission, etc.
- Incentives are available to help implement projects that otherwise would not be completed, or to complete projects sooner than scheduled.
- See Section 2 for customer eligibility.

SECTION 2: APPLICATION REQUIREMENTS

The purpose of this form is to assess pending projects to determine if the project is eligible for a toilet rebate incentive. Funding provided is contingent upon the following requirements and upon receiving all requested documents:

- Customers MUST work with the Utility to determine if their project would qualify and then obtain approval (in the form of a Utility-signed Incentive Agreement) prior to removing or purchasing any equipment.
- Property where toilets are installed is a customer of Waukesha Water Utility.
- All toilets need to be inspected before and after installation by the Utility to ensure eligibility.
- High Efficiency toilets must replace toilets installed in 1993 or prior and are at least a 3.5 gpf (gallon per flush) toilet.
- New toilets must be 1.28 gpf WaterSense certified (the WaterSense logo is shown at the top of this Application).
- All toilets need to be installed and inspected no later than November 1st (the same calendar year of the incentive approval).
- All paper work, including the purchase order and original paid receipt, dated on or after the incentive approval date, must be submitted to the Utility no later than November 1st so that the incentive check can be issued by the end of the year.

| Company Legal Name: | Tax Iden | Tax Identification Number (complete ONE only, must be 9 digits): | | | | | | |
|--|---|--|--------------------------|---------------|------------------------------|--|--|--|
| | FEIN: | 14 | OR SS | SN: | | | | |
| Company Contact Name: | | Business Classification of Customer /Check ONE only. Required for all businesses, including non- | | | | | | |
| | ☐ Corporation ☐ Partnership ☐ Sole Proprietorship ☐ LLC ☐ Other | | | | | | | |
| Street Address: | | Cit | y: | State: | Zip Code: | | | |
| Owner Name (Corporations Phone: excluded): | | Fax: | | Email: | Email: | | | |
| | | | | | | | | |
| SECTION 4: PAYMENT INFO | ORMATION (All infor | mation is | required to receive paym | ent) | | | | |
| SECTION 4: PAYMENT INFO | College Car | | | Co. U. Le Vo. | ne (Only if Sole Proprietor) | | | |
| Make Incentive Check Payable to | o (check ONE): | | | Co. U. Le Vo. | ne (Only if Sole Proprietor) | | | |
| The state of the state of the state of | o (check ONE): | | | Co. U. Le Vo. | ne (Only if Sole Proprietor) | | | |

P:\CONSERVATION\2015\Grants\Application Form\Large Multi-Family and Commercial Toilet Rebate_2019a.docx



Large Multi-Family/Commercial Toilet Rebate Application

| SECTION 5: JOB SITE IN | FORMATION (Where project | will occur) | | | | | |
|---|-------------------------------------|-------------------------------|------------------------------|-----------|--|--|--|
| Job Site Name: | | Project Contact Name: | | | | | |
| Job Site Street Address (phys | sical address): | City: | State: | Zip Code: | | | |
| Project Contact Phone: Project Contact Fax : | | Project Contact E-mail: | Preferred Means of communica | | | | |
| Account #: | | Customer #: | | | | | |
| SECTION 6: PROJECT PA | RAMETERS • project specific | information will be held as c | onfidential | | | | |
| Project Description (including | (costs): | | | | | | |
| For Multi-Family: How Mar | ny Apartment Units Will Have T | oilets Changed Out: | Number of Toilets | /Unit: | | | |
| Address(es) of the Buildin | g(s) Where Change Out Will | Occur: | | | | | |
| | | Year(s) Buildin | | | | | |
| For Commercial: Choose E | | Food Processing □ Food Ser | | | | | |
| ☐ Healthcare ☐ Manufac | turing, type | Number o | f Toilets to be Ch | anged Out | | | |
| New Toilet Information: | | | | | | | |
| Toilets to be Purchased From | : | | Price per Toilet: | | | | |
| Toilet Manufacturer(s): | | Model Number(s): | | | | | |
| Are These New Toilets At Leas | st 1.28 gpf? | Are the New Toilets | s WaterSense Certi | fied? | | | |
| SECTION 7: BACKGROUND | QUESTIONS | | | | | | |
| ☐ Considering project ☐ Assessing feasibility | and/or savings estimates | ith your project: | | | | | |
| 2. Check your reasons for Reduce maintenance Replace worn out eq Reduce utility costs Comply with regulato Achieve company goa | e costs uipment ory equipment | | | | | | |
| APPLICANT: | | WAUKESHA WATE | R UTILITY: | | | | |
| | | 1 March 2 | | | | | |
| Name: | | Name: | | | | | |
| Name: | | | re: | | | | |

Return signed, completed form to:

Mail: Waukesha Water Utility – Incentive Dept. PO BOX 1648 Waukesha, WI 53187-1648

Fax: 262.521.5265 Questions: Call 262-409-4423

Using the Alliance for Water Efficiency (AWE) Conservation Tracking Tool, the annual cost effectiveness of the program is demonstrated below. A B/C Ratio just under 1 indicates that the program currently costs more than the cost of the water saved.

The Utility undertook this program because it was part of the 2012 Conservation Plan. The 2012 plan indicated a larger positive B/C Ratio, but the fixed costs of developing the program were underestimated.

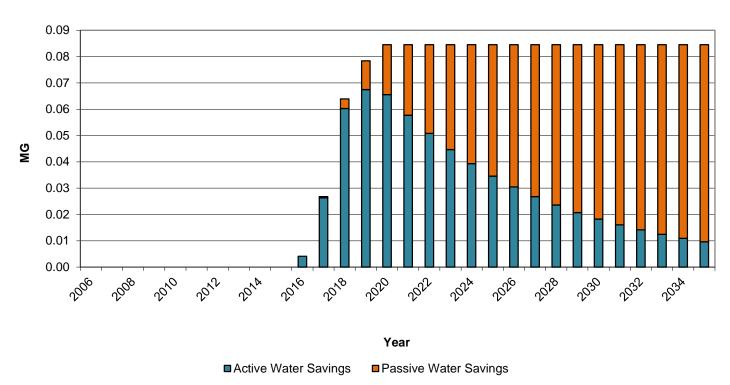
The Utility hopes that as more showerhead programs are implemented, the fixed costs will go down and the program will yield a better ratio.

Still, water is being conserved and that is the ultimate goal of the program.

| | | | | Unit | | | | |
|-------------|---------------|-----------|--------|----------|---------|---------|------------|-------|
| | | Unit Cost | PV | Benefit | PV | Avoided | Avoided | B/C |
| Class | Activity Name | (\$/MG) | Cost | (\$/MG) | Benefit | Supply | Wastewater | Ratio |
| Residential | LF Showerhead | 1,376.56 | 886.32 | 1,126.32 | 725.19 | 400.12 | 325.07 | 0.82 |

The projected water savings through 2035 is demonstrated below.

LF Showerhead Annual Water Savings



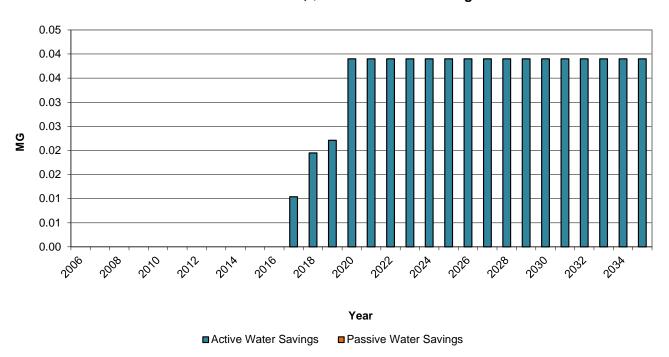


3. Rain Barrel Rebate Program

In May 2017, the Utility implemented a rain barrel rebate program. Customers who purchase and install a qualifying rain barrel, and submit their application with their original receipt and post-installation picture, are eligible for a \$20 rebate. In 2020, there were 13 rain barrel rebates.

The projected water savings through 2035 is demonstrated by the graph below:

Rain Barrel Rebate, \$20 Annual Water Savings



The rain barrel rebate application is shown below. The press release and website information is shown in the Education section.



Waukesha Water Utility
P.O. Box 1648
Waukesha, WI 53187-1648
Phone: (262) 409-4423
Fax: (262) 521-5265

SZO REBATE



- Saves most homeowners about 1,300 gallons of water during the summer.
- Naturally soft, chlorine-free water is great for watering plants and washing windows or cars.

TO QUALIFY

- ☐ Rain barrels must be installed in the Waukesha Water Utility's service area.
- Renters may be eligible to participate with the written consent of the property owner.
- Qualifying barrels must be newly purchased, a minimum size of 50 gallons, and designed for the intended purpose of rain capture.
- Homemade rain barrels do not qualify for the rebate.
- Rain barrels must have a secure lid for child safety; and rust-proof screening or sealed designs over the top and on the overflow spigot for mosquito, rodent, and debris control.
- Rain barrels must not be connected to the (potable water) irrigation system.
- ☐ The <u>original</u> purchase receipt, that includes the purchase amount and barrel size, must be submitted within 90 days of purchase.
- Post-installation pictures must be included with the application.
- □ Maximum of 2 rain barrels allowed per address.
- Rebates are available on a first-come, firstserved basis and are subject to the availability of funds.

TIPS FOR INSTALLATION & USE

- A Raise the barrel up on cinder blocks to increase pressure. (But make sure the barrel is on a level, firm surface to prevent the barrel from falling over—a full 55 gal. barrel weighs over 400 lbs.)
- Make sure the overflow from the barrel is directed away from your house.
- Disconnect the barrel in the winter and turn it upside down or take it inside. If your downspout has been cut off for the rain barrel, be sure to add an extension hose for the winter.
- [§] Enclose the top of the barrel, where the water enters the barrel, with a tightfitting, fine-mesh screen to prevent a nesting site for mosquitoes.
- Do not drink the water from your rain barrel. Water from your roof is not safe to drink, but is fine to water your yard. It is not recommended to water vegetable gardens with your rain barrel.
- Do not connect the rain barrel to your sprinkler systems or put the hose, which is connected to your house, into the rain barrel, as unintended suction can contaminate the water in your home.
 (The best way to prevent this is to only hook a garden hose, or isolated drip irrigation system, to the outlet of your barrel and water your landscape directly.)

Rain Barrel Rebate Application Front Page



\$20 RAIN BARREL REBATE APPLICATION

| ear About the Rain Barrel Rebate Program?: | |
|--|---|
| ear About the Rain Barrel Rebate Program?: | ddress: |
| n Barrels at this Address: | |
| Se. | Number of Rain Barrels for this Rebate Application: |
| | Purchased Price: |
| Type of Barrel: Capacity (Gallons): | ns): Date Installed: |
| (Brand/Make) (Model Number) | |

Rain Barrel Rebate Application Back Side

I have all the necessary paperwork and photos attached, and agree to a possible site visit by the Waukesha Water Utility for installation verification. I have read the rain barrel rebate program qualifications, along with the tips for installing and using the rain barrel (on the back of this brochure).

Is the required original purchase receipt attached: Yes □ No□

Signature

Date



5. Grants for Innovative Site Specific Water Saving Measures

In 2014, Waukesha Water Utility began to support innovative, site specific, water saving measures for non-residential accounts. In 2015, the Utility added more structure to the program which consists of the following:

- The program focuses on the replacement of capital assets incenting organizations to replace equipment with new technology that will conserve water.
- In order to receive an incentive, an Incentive Application must be completed and the company must receive approval prior to the new technology being ordered.
- The Utility ranks the Applications with respect to pay back periods and cost benefit ratios;
 and incentives are granted in rank order until the annual funds are exhausted.

Over the past 6 years, letters with the Incentive Application were mailed to the top 50 water users in the commercial, public, and industrial sectors.

In 2020, the Utility mailed the incentive letters out twice to maximize the outreach as the COVID-19 pandemic caused some businesses to temporarily close and many people to work from home throughout the year. After the second set of letters were mailed out, the Utility received 3 calls. They included differing business types; a carwash/gas station, workout facility and a manufacturer.

The manufacturer, in particular, called stating they already completed a water conservation project months prior and were wondering if they would qualify for an incentive. The Utility was very please to hear that they made the upgrade; however, the purpose of the incentive program is to help implement projects that otherwise would not be completed, or to complete the projects sooner than scheduled. In addition, one of the requirements of the incentive program is that the applicant must receive pre-approval from the Utility prior to beginning any project. Therefore, the manufacturer did not qualify for an incentive.

The Utility will continue to to promote these rebates in 2021 as they tend to have historically had the greatest water conservation impact.

115 DELAFIELD STREET WAUKESHA, WI 53188-3615

Telephone: (262) 521-5272 • Fax: (262) 521-5265 • E-mail; contactus@waukesha-water.com

June 19, 2020

Re: Water Conservation Incentive Program

To: Whom It May Concern:

Waukesha Water Utility is sending you a reminder about our Conservation Incentive program for nonresidential customers. The purpose of the program is to incent organizations to replace equipment with new technology that will conserve water. Incentives are available to help implement those projects.

In order to be eligible for an incentive, the organization must complete a Water Conservation Incentive Application; and receive approval for the project <u>before</u> the new technology is ordered. Waukesha will assess pending projects to determine if the project is eligible for an incentive.

For more information about the program, please refer to the enclosed Incentive Application or visit Waukesha Water Utility's website at www.waukesha-water.com.

For questions, please call Waukesha Water Utility at (262) 409-4423.

Sincerely,

WAUKESHA WATER UTILITY Customer Service

Enclosure: Water Conservation Incentive Application



Water Conservation Incentive

SECTION 1: INCENTIVE INFORMATION

Incentives are calculated on a case-by-case basis depending on the application and the size of the facility. See Section 2 for customer eligibility information. Customers must work with the Utility to determine if their project would qualify and then obtain approval (in the form of an Incentive Agreement) prior to purchasing the equipment. Incentives are available to help implement projects that otherwise would not be completed, or to complete projects sooner than scheduled.

SECTION 21 APPLICATION REQUIREMENTS

The purpose of this form is to assess pending projects to determine if the project is eligible for a custom incentive. Funding provided through custom incentives is contingent upon the following requirements and upon receiving all requested documents:

You MUST receive pre-approval from Waukesha Water Utility prior to beginning any custom projects, including ordering equipment.

Custom incentives will not be provided for projects falling under a 1.5 year payback.

- Based on project type, technology and situation, projects may be limited to a maximum simple payback of four to ten years.
- Custom incentives cannot be more than 50 percent of the project cost. Custom incentives that are less than 10% of the project cost may be considered.
- The total maximum incentive a customer may receive for custom projects combined is \$20,000 per calendar year, per EIN.

| The state of the s | | Tax Identif | ication Number (complete ONE | only, must be 9 digits | 5): |
|--|------------------|-----------------|---|------------------------|--|
| | | FEIN: | 0 | R SSN: | |
| Company Contact Name: | | neofite)- | cation of Customer (Check ONE o | | |
| | | ☐ Corporation | ☐ Partnership ☐ Sole Proprie | | |
| Street Address: | | | City: | State: | Zip Code: |
| Owner Name (Corporations e | excluded): | Phone: | Fax: | Email: | |
| SECTION 4: PAYMEN | T INFORM | ATION (All info | rmation is required to receive | payment) | |
| Make Incentive Check Payab | le to (check ON | IE): Compar | ny Name Business Ow | vner's Legal Name (| Only if Sole Proprietor |
| Make Check to the Attention | of: | | | | |
| Alternate Mailing Address (if | different from a | address above): | City: | State: | Zip Code: |
| | | | | | |
| SECTION 5: JOB SIT | E INFORM | ATION (Where | project will occur) | | |
| SECTION 5: JOB SIT Job Site Name: | E INFORM | ATION (Where | project will occur) Project Contact Name: | | |
| Job Site Name: | | ATION (Where | 1 | State: | Zip Code: |
| Job Site Name: Job Site Street Address (physi | ical address): | ATION (Where | Project Contact Name: | Preferred Me | Zip Code: ans of communication Fax Mail E-ma |
| | ical address): | | Project Contact Name: City: | Preferred Me | ans of communication |
| Job Site Name: Job Site Street Address (physi Project Contact Phone | ical address): | | Project Contact Name: City: Project Contact E-mail: | Preferred Me | ans of communication |

P:\CONSERVATION\2015\Grants\Application Form\App Water Conservation Incentive2.docx



Water Conservation Incentive

SECTION 6: PROJECT PARAMETERS - project specific information will be held as confidential

Project Description (including costs):

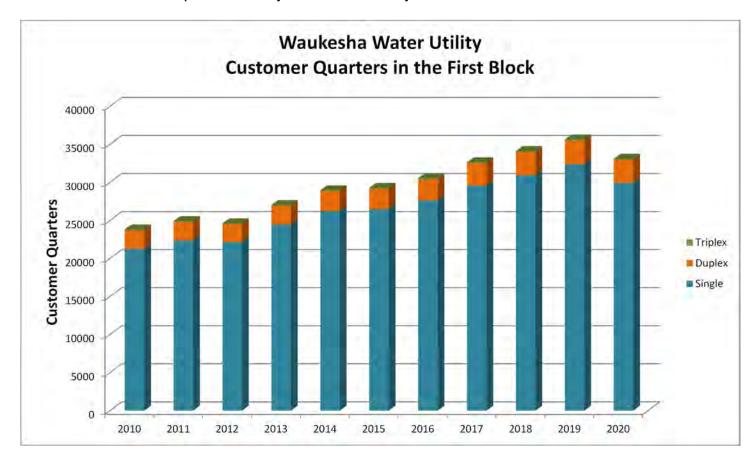
| Projected Annual Ga | llons Saved | 3 yr. Average Annual C | onsumption: | Project Start Date | e: Proj | ect Completion Date: |
|---|---|---|------------------------|---|----------------|----------------------|
| | | Hours of C | Operation (i.e. 8 a.m. | - 9 p.m.) | | |
| MONDAY | TUESDAY | WEDNESDAY | THURSDAY | FRIDAY | SATURDAY | SUNDAY |
| to | to | to | to | to | to | to |
| Information on e | existing equipme | ent, system operation a | and building opera | tion attached (If av | ailable). | |
| ☐ Considering p ☐ Assessing fer ☐ Getting vend ☐ Received ma ☐ Started insta Check your reas ☐ Reduce mair ☐ Replace worn ☐ Reduce ener | t describes who project asibility or bids and/or nagement app llation ons for pursuin tenance costs out equipment | ere you are right now v savings estimates roval ng this project: nt | with your project: | | | |
| Comply with Achieve com | pany goal or m | landate | | WALLEFELLA | VATED IN ITY | |
| APPLICANT: | | | | 100000000000000000000000000000000000000 | VATER UTILITY: | |
| | | | | | | |
| | | | | 177 117 5 | | |
| Date: | | | | Date: | | |

P:\Conservation\2015\Grants\Application Form\App Water Conservation Incentive_Back Side.docx

Back Side of Incentive Application

IV. EFFECTS OF WATER RATES STRUCTURE

While the Utility implemented an inclining rate block structure in 2007, it wasn't until 2010 that it had data separated into single, duplex and triplex customers. From 2010 to 2019, the number of customers within the first block has increased. It is assumed that the combination of the rate structure and other conservation measures, such as the installation high-efficient appliances and equipment, are the reason for this trend. It should be noted that 2020 appears to be an anomaly as the worldwide COVID-19 pandemic caused unique residential water use due to schools going virtual and employees working remotely wherever possible. The Utility expects residential water use to normalize to past trends by late 2021 or early 2022.

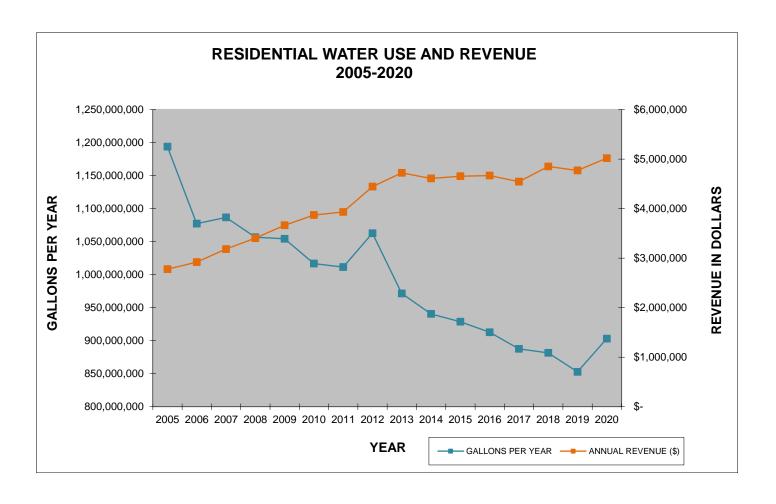


The detailed data, on the next three pages, supplements the consumption history; supplied in previous years' reports. In order to provide a more accurate picture of "# of customers," volumes associated with final reads have been excluded.

| | | | | | | | | | Single Family Consumption | ily Consui | mption | | | | | | | | | |
|---------------|-----------|---------|---------------|--------|-----------|---------------|-------------|--------|---------------------------|------------|-------------|--------|-----------|--------|----------------------|--------|-----------|--------|--------------------|--------|
| | | | 2016 | | | 2 | 2017 | | | 2 | 2018 | | | | 2019 | | | 2(| 2020 | |
| | # of | | | | # of | | | | 4 of | | | | # of | | | | # of | | | |
| Interval | Customers | % | Consumption | % | Customers | % | Consumption | % | Customers | % | Consumption | % | Customers | % | Consumption | % | Customers | % | Consumption | % |
| | | | | | | | | | | | | | | | | | | | | |
| | | ď | Quarter 1 | | | Quarte | arter 1 | | | Que | Quarter 1 | | | Qu | Quarter 1 | | | Qua | Quarter 1 | |
| 0-10,000 | 7,072 | 44.4% | 6 45,343,100 | 24.3% | 7,521 | 46.5% | 47,052,400 | 25.4% | 282'2 | 47.8% | 49,277,700 | 25.9% | 8,063 | 49.1% | 50,909,100 | 27.8% | 8,418 | 51.0% | 52,645,300 | 29.5% |
| 10,001-30,000 | 8,592 | 54.0% | 6 131,111,300 | 70.1% | 8,413 | 52.0% | 127,505,300 | %8.89 | 8,271 | 20.7% | 125,403,200 | 65.8% | 8,125 | 49.5% | 122,727,900 | 67.1% | 7,928 | 48.0% | 118,556,700 | 66.4% |
| >30,000 | 260 | 1.6% | 6 10,477,200 | 2.6% | 249 | 1.5% | 10,734,000 | 5.8% | 246 | 1.5% | 15,850,800 | 8.3% | 225 | 1.4% | 9,396,500 | 5.1% | 174 | 1.1% | 7,308,900 | 4.1% |
| Q Total | 15,924 | 100.0% | 8 186,931,600 | 100.0% | 16,183 | 100.0% | 185,291,700 | 100.0% | 16,302 | 100.0% | 190,531,700 | 100.0% | 16,413 | 100.0% | 183,033,500 | 100.0% | 16,520 | 100.0% | 178,510,900 | 100.0% |
| | | | | | | | | | | | | | | | | | | | | |
| | | ğ | Quarter 2 | | | Quart | arter 2 | | | Que | Quarter 2 | | | Qu | Quarter 2 | | | Qua | Quarter 2 | |
| 0-10,000 | 7,253 | 3 45.1% | 6 45,445,300 | 24.3% | 7,862 | 48.5% | 49,685,600 | 27.2% | 280'8 | 49.5% | 51,168,800 | 27.9% | 8,647 | 25.6% | 53,951,400 | 30.8% | 909'2 | 46.0% | 47,441,600 | 24.7% |
| 10,001-30,000 | 8,536 | 53.1% | 130,437,000 | %9.69 | 8,106 | 20.0% | 122,668,700 | 67.3% | 8,015 | 49.1% | 121,607,500 | 66.2% | 7,612 | 46.3% | 113,733,100 | 64.9% | 8,661 | 52.4% | 134,096,900 | %8.69 |
| >30,000 | 290 | 1.8% | 11,490,800 | 6.1% | 247 | 1.5% | 10,005,600 | 5.5% | 233 | 1.4% | 10,789,800 | 2.9% | 184 | 1.1% | 7,462,000 | 4.3% | 272 | 1.6% | 10,500,100 | 2.5% |
| Q Total | 16,079 | 100.0% | 6 187,373,100 | 100.0% | 16,215 | 100.0% | 182,359,900 | 100.0% | 16,335 | 100.0% | 183,566,100 | 100.0% | 16,443 | 100.0% | 175,146,500 | 100.0% | 16,539 | 100.0% | 192,038,600 | 100.0% |
| | | | | | | | | | | | | | | | | | | | | |
| | | ď | Quarter 3 | | | Quarte | arter 3 | | | Que | Quarter 3 | | | Qu | Quarter 3 | | | Qua | Quarter 3 | |
| 0-10,000 | 6,160 | 38.1% | 39,552,100 | 17.6% | 6,792 | 41.8% | 43,901,300 | 21.0% | 6,932 | 42.4% | 44,197,800 | 21.2% | 7,392 | 44.9% | 47,328,300 | 23.3% | 6,334 | 38.3% | 40,092,600 | 17.6% |
| 10,001-30,000 | 9,233 | 3 57.1% | 6 149,021,400 | 66.4% | 8,893 | 54.8% | 1 | 67.3% | 8,884 | 54.3% | 140,303,800 | 67.3% | 8,610 | 52.3% | 134,962,500 | 66.4% | 9,483 | 57.4% | 156,563,800 | 68.7% |
| >30,000 | 167 | 4.7% | 35,959,100 | 16.0% | 554 | 3.4% | 24,290,900 | 11.6% | 530 | 3.2% | 23,825,600 | 11.4% | 472 | 2.9% | 20,887,900 | 10.3% | 717 | 4.3% | 31,313,400 | 13.7% |
| Q Total | 16,160 | 100.0% | 6 224,532,600 | 100.0% | 16,239 | 100.0% | 208,703,000 | 100.0% | 16,346 | 100.0% | 208,327,200 | 100.0% | 16,474 | 100.0% | , 203,178,700 | 100.0% | 16,534 | 100.0% | 227,969,800 | 100.0% |
| | | | | | | | | | | | | | | | | | | | | |
| | | ď | Quarter 4 | | | Quarte | arter 4 | | | Quê | Quarter 4 | | | δr | Quarter 4 | | | Qua | Quarter 4 | |
| 0-10,000 | 7,121 | _ | 6 45,894,500 | 23.6% | 7,390 | 45.4% | 47,228,200 | 24.2% | 8,098 | 49.4% | 51,610,700 | 28.0% | 8,263 | 50.1% | 52,436,200 | 28.7% | 7,571 | 45.7% | 48,448,100 | 24.7% |
| 10,001-30,000 | 8,669 | 9 53.7% | 6 133,649,700 | 68.7% | 8,486 | 52.1% | 130,856,700 | 67.1% | 8,041 | 49.1% | 121,690,100 | %0:99 | 7,997 | 48.5% | 120,580,800 | 65.9% | 8,711 | 52.6% | 135,330,400 | 69.1% |
| >30,000 | 344 | 1 2.1% | 4,907,700 | 7.7% | 401 | 2.5% | 16,839,200 | 8.6% | 727 | 1.5% | 11,063,900 | %0'9 | 238 | 1.4% | 9,877,100 | 5.4% | 291 | 1.8% | 12,129,300 | 6.2% |
| Q Total | 16,134 | 100.0% | 6 194,451,900 | 100.0% | 16,277 | 100.0% | 194,924,100 | 100.0% | 16,391 | 100.0% | 184,364,700 | 100.0% | 16,498 | 100.0% | 182,894,100 | 100.0% | 16,573 | 100.0% | 195,907,800 | 100.0% |
| | | | | | | | | | | | | | | | | | | | | |
| | | 1 | Annual | | | Ar | Annual | | | Ar | Annual | | | ۷ | Annual | | | An | Annual | |
| 0-10,000 | 6,902 | 42.9% | 6 176,235,000 | 22.2% | 7,391 | 45.5% | 187,867,500 | 24.4% | 7,726 | 47.3% | 196,255,000 | 25.6% | 8,091 | 49.2% | 204,625,000 | 27.5% | 7,482 | 45.2% | 188,627,600 | 23.7% |
| 10,001-30,000 | 8,758 | 3 54.5% | 6 544,219,400 | 68.6% | 8,475 | 52.2% | 521,541,500 | 67.6% | 8,303 | 50.8% | 509,004,600 | 66.4% | 8,086 | 49.1% | 492,004,300 | 66.1% | 8,696 | 52.6% | 544,547,800 | 68.5% |
| >30,000 | 415 | 5 2.6% | 6 72,834,800 | 9.2% | 363 | 2.2% | 61,869,700 | 8.0% | 315 | 1.9% | 61,530,100 | 8.0% | 280 | 1.7% | 47,623,500 | 6.4% | 364 | 2.2% | 61,251,700 | 7.7% |
| Total | 16,074 | 100.0% | 6 793,289,200 | 100.0% | | 16,229 100.0% | 771,278,700 | 100.0% | 16,344 | 100.0% | 766,789,700 | 100.0% | 16,457 | 100.0% | , 744,252,800 100.0% | 100.0% | 16,542 | 100.0% | 794,427,100 100.0% | 100.0% |

| | | | | | | | | | Two Family Consumption | y Consum | ption | | | | | | | | | |
|---------------|-----------|--------------|--------------------|--------|-----------|--------------|-------------|--------|------------------------|----------|--------------------|--------|--------------|--------|--------------------|--------|-----------|--------|--------------------|--------|
| | | 7 | 2016 | | | 21 | 2017 | | | 21 | 2018 | | | 2 | 2019 | | | 2 | 2020 | |
| | # of | | | | # of | | | | Jo# | | | | to# | | | | # of | | | |
| Interval | Customers | % | Consumption | % | Customers | % | Consumption | % | Customers | % | Consumption | % | Customers | % | Consumption | % | Customers | % | Consumption | % |
| | | | | | | | | | | | | | | | | | | | | |
| | | Qu | Quarter 1 | | | Qua | Quarter 1 | | | Qua | Quarter 1 | | | Qua | Quarter 1 | | | Que | Quarter 1 | |
| 0-20,000 | 712 | 52.0% | 9,143,600 | 31.3% | 729 | 53.8% | 9,374,000 | 32.3% | 292 | 26.9% | 10,045,100 | 34.8% | 992 | 27.6% | 9,707,800 | 35.5% | 608 | 61.1% | 10,214,600 | 39.5% |
| 20,001-35,000 | 209 | 37.2% | 13,424,700 | 45.9% | 470 | 34.7% | 12,415,400 | 42.8% | 433 | 32.3% | 11,187,700 | 38.8% | 429 | 32.2% | 11,007,200 | 40.3% | 400 | 30.2% | 10,297,500 | 39.5% |
| >35,000 | 147 | 10.7% | 6,648,500 | 22.8% | 157 | 11.6% | 7,214,600 | 24.9% | 144 | 10.7% | 7,628,900 | 26.4% | 136 | 10.2% | 6,631,300 | 24.2% | 114 | 8.6% | 5,559,200 | 21.3% |
| Q Total | 1,368 | 100.0% | 29,216,800 | 100.0% | 1,356 | 100.0% | 29,004,000 | 100.0% | 1,340 | 100.0% | 28,861,700 | 100.0% | 1,331 | 100.0% | 27,346,300 | 100.0% | 1,323 | 100.0% | 26,071,300 | 100.0% |
| | | | | | | | | | | | | | | | | | | | | |
| | | Qu | Quarter 2 | | | Qua | Quarter 2 | | | Qua | Quarter 2 | | | Qua | Quarter 2 | | | Que | Quarter 2 | |
| 0-20,000 | 722 | 25.6% | 9,220,200 | 31.6% | 745 | 25.0% | 9,499,700 | 34.2% | 982 | 28.7% | 10,225,400 | 37.4% | 815 | 61.4% | 10,231,400 | 39.4% | 771 | 58.5% | 9,892,400 | 36.2% |
| 20,001-35,000 | 513 | 37.4% | 13,637,400 | 46.7% | 469 | 34.6% | 12,085,400 | 43.5% | 411 | 30.7% | 10,666,400 | 39.0% | 402 | 30.3% | 10,414,600 | 40.1% | 411 | 31.2% | 10,563,600 | 38.6% |
| >35,000 | 137 | 10.0% | 6,321,800 | 21.7% | 140 | 10.3% | 6,228,600 | 22.4% | 142 | 10.6% | 6,482,800 | 23.7% | 111 | 8.4% | 5,314,300 | 20.5% | 136 | 10.3% | 6,894,500 | 25.2% |
| Q Total | 1,372 | 100.0% | 29,179,400 | 100.0% | 1,354 | 100.0% | 27,813,700 | 100.0% | 1,339 | 100.0% | 27,374,600 | 100.0% | 1,328 | 100.0% | 25,960,300 | 100.0% | 1,318 | 100.0% | 27,350,500 | 100.0% |
| | | | | | | | | | | | | | | | | | | | | |
| | | Qu | Quarter 3 | | | Qua | Quarter 3 | | | Qua | Quarter 3 | | | Qua | Quarter 3 | | | Que | Quarter 3 | |
| 0-20,000 | 089 | 49.7% | 8,980,200 | 29.3% | 715 | 53.0% | 9,462,200 | 31.7% | 754 | 56.4% | 9,834,700 | 34.3% | 764 | 27.6% | 9,831,000 | 35.4% | 969 | 52.8% | 9,198,100 | 31.2% |
| 20,001-35,000 | 208 | 37.2% | 13,525,100 | 44.1% | 470 | 34.9% | 12,318,400 | 41.2% | 416 | 31.1% | 10,797,500 | 37.7% | 410 | 30.9% | 10,710,600 | 38.6% | 451 | 34.3% | 11,807,300 | 40.1% |
| >35,000 | 179 | 13.1% | 8,152,700 | 26.6% | 163 | 12.1% | 8,100,300 | 27.1% | 168 | 12.6% | 8,006,500 | 28.0% | 153 | 11.5% | 7,196,200 | 25.9% | 170 | 12.9% | 8,443,200 | 28.7% |
| Q Total | 1,367 | 100.0% | 30,658,000 | 100.0% | 1,348 | 100.0% | 29,880,900 | 100.0% | 1,338 | 100.0% | 28,638,700 | 100.0% | 1,327 | 100.0% | 27,737,800 | 100.0% | 1,316 | 100.0% | 29,448,600 | 100.0% |
| | | | | | | | | | | | | | | | | | | | | |
| | | Qu | Quarter 4 | | | Qua | Quarter 4 | | | Qua | Quarter 4 | | | Qua | Quarter 4 | | | Qua | Quarter 4 | |
| 0-20,000 | 701 | 51.5% | 9,146,800 | 30.0% | 759 | 26.3% | 10,137,200 | 35.1% | 772 | 57.7% | 9,886,500 | 35.9% | 779 | 58.5% | 9,812,900 | 36.1% | 748 | 56.7% | 9,619,900 | 34.6% |
| 20,001-35,000 | 482 | 35.4% | 12,669,000 | 41.6% | 451 | 33.5% | 11,783,600 | 40.7% | 415 | 31.0% | 10,648,300 | 38.7% | 415 | 31.2% | 10,748,800 | 39.6% | 442 | 33.5% | 11,526,000 | 41.4% |
| >35,000 | 179 | 13.1% | 8,630,600 | 28.3% | 137 | 10.2% | 6,996,300 | 24.2% | 150 | 11.2% | 6,980,600 | 25.4% | 138 | 10.4% | 6,612,900 | 24.3% | 129 | 9.8% | 6,679,000 | 24.0% |
| Q Total | 1,362 | 100.0% | 30,446,400 | 100.0% | 1,347 | 100.0% | 28,917,100 | 100.0% | 1,337 | 100.0% | 27,515,400 | 100.0% | 1,332 | 100.0% | 27,174,600 | 100.0% | 1,319 | 100.0% | 27,824,900 | 100.0% |
| | | | | | | | | | | | | | | | | | | | | |
| | | Ā | Annual | | | An | Annual | | | An | Annual | | | An | Annual | | | Ar | Annual | |
| 0-20,000 | 704 | 51.5% | 36,490,800 | 30.5% | 737 | 54.5% | 38,473,100 | 33.3% | 269 | 57.4% | 39,991,700 | 35.6% | 781 | 58.7% | 39,583,100 | 36.6% | 756 | 57.3% | 38,925,000 | 35.2% |
| 20,001-35,000 | 503 | 36.8% | 53,256,200 | 44.6% | 465 | 34.4% | 48,602,800 | 42.0% | 419 | 31.3% | 43,299,900 | 38.5% | 414 | 31.1% | 42,881,200 | 39.6% | 426 | 32.3% | 44,194,400 | 39.9% |
| >35,000 | 161 | 11.7% | 29,753,600 | 24.9% | 149 | 11.0% | 28,539,800 | 24.7% | 151 | 11.3% | 29,098,800 | 25.9% | 135 | 10.1% | 25,754,700 | 23.8% | 137 | 10.4% | 27,575,900 | 24.9% |
| Total | | 1,367 100.0% | 119,500,600 100.0% | 100.0% | | 1,351 100.0% | 115,615,700 | 100.0% | 1,339 | 100.0% | 112,390,400 100.0% | 100.0% | 1,330 100.0% | 100.0% | 108,219,000 100.0% | 100.0% | 1,319 | 100.0% | 110,695,300 100.0% | 100.0% |

| The column The | | | | | | | | | | Three Family Consumption | ly Consum | uption | | | | | | | | | |
|--|---------------|-----------|--------|-------------|--------|-----------|--------|-------------|------|--------------------------|-----------|-------------|---------------|-----------|----------|-------------|----------|-----------|--------|------------|--------|
| Continue | | | 2 | 016 | | | 2 | 1017 | | | 2 | 2018 | | | | 2019 | | | 2 | 020 | |
| Control 20 Cont | 9 9 9 | # of | è | 1 | ò | # of | è | 1 | | # of | | | | # of | | | | # of | | 1 | 70 |
| Control Cont | Interval | customers | 8 | Consumption | 8 | customers | 8 | consumbrion | | customers | | consumption | _ | Customers | | consumption | | Customers | | consumbuon | 8 |
| 2 2 2 2 2 2 2 2 2 2 | | | Qui | arter 1 | | | Què | arter 1 | | | Qui | arter 1 | | | Qu | larter 1 | | | Que | arter 1 | |
| 100 Columbries 1,560,400 Columbries | 0-20,000 | | 36.5% | | 18.7% | 35 | 46.7% | | | | | | | | _ | | | | 44.2% | 426,400 | 25.5% |
| 1 | 20,001-60,000 | | 63.5% | | 81.3% | 38 | 50.7% | | | | | | Н | | Ш | 1 | Н | | 55.8% | 1,246,300 | 74.5% |
| This | >60,001 | - 1 | %0:0 | - | %0.0 | 2 | 2.7% | | | | | | | | | | | - | %0.0 | - | %0:0 |
| This | Q Tota | | Ш | 1,919,000 | 100.0% | 75 | 100.0% | | _ | | | | - | | - | | - | | - | 1,672,700 | 100.0% |
| Control Cont | | | | | | | | | | | | | | | | | | | | | |
| 138 14 138 138 14 138 138 14 14 14 14 14 14 14 1 | | | Qui | arter 2 | | | Qui | arter 2 | | | Qui | arter 2 | | | Qr | arter 2 | | | Qué | arter 2 | |
| 4 60 60 1,386 500 4 25 60 60 1,216 900 11,380 500 40 1,380 500 40 1,380 500 40 1,380 500 40 1,380 500 40 1,380 500 40 1,380 500 40 1,380 500 40 1,380 500 40 1,380 100 | 0-20,000 | | 38.7% | | 20.1% | 33 | 44.0% | | | | | | Ш | | 44 | | Ш | | 37.7% | 390,600 | 17.7% |
| 1.3% 76,800 4.2% | 20,001-60,000 | | %0.09 | | 75.7% | 42 | 26.0% | | | | | | | | | | | | 29.7% | 1,387,500 | 62.9% |
| This color 1,823,00 100 0% 1,823,00 100 0% 1,922,00 | >60,001 | 1 | 1.3% | 76,800 | 4.2% | 1 | %0:0 | | 0.0% | • | %0:0 | - | 0.0 | - % | 0.0% | , , | - 0.0% | | 7.6% | 429,100 | 19.4% |
| 27 35.1% 372,300 18 6% 24 316,00 17 0% 30 95% 406,200 20.4% 31 40.3% 376,200 18 6% 316,00 17 0% 30 95% 406,200 20.4% 31 40,3% 376,200 18 6% 316,00 17 0% 30 95% 44 57.1% 1,336,800 63.8% 44 57.1% 1,336,800 68.4% 1,548,800 83.9% 43 56.6% 1,339,900 67.3% 44 57.1% 1,336,800 63.8% 44 56.4% 1,248,800 83.9% 43 56.6% 1,339,900 67.3% 44 57.1% 1,336,800 63.8% 44 57.4% 1,336,800 100.0% 3 8.9% 245,300 100.0% 1,991,400 100.0% 77 100.0% 2,04% 100.0% 100.0% 100.0% 100.0% 100.0% 100.0% 100.0% 100.0% 100.0% 100.0% 100.0% 100.0% 100.0% 100.0% 100.0% 100.0% 100.0% 100.0% 10 | Q Tota | | Ш | 1,823,000 | 100.0% | | 100.0% | | - | | | | - | | Н | | | | 100.0% | 2,207,200 | 100.0% |
| 20 Augmenter 3 CQuanter 3 CQuanter 3 QQuanter 3 31,52,00 17,00 39,5% 406,200 20,4% 31,530,500 18,6% 31,50,5% 406,200 20,3% 406,200 20,3% 40,520 21,336,500 18,3% 376,200 18,0% 41 56,4% 15,48,800 30,5% 406,200 20,3% 40,51,3% 1336,500 18,3% 40,51,3% 40,51,5% 100,0% 31,39% 34,339,90 67,3% 41,330,500 18,3% 316,0% 77 100,0% 20,3% 44 56,4% 100,0% 3 44,330,90 67,3% 41,330,500 100,0% 77 100,0% 70,0% 100,0% 78 100,0% 78 100,0% 78 100,0% 78 100,0% 78 100,0% 78 100,0% 79 100,0% 79 100,0% 79 100,0% 79 100,0% 79 100,0% 79 10 | | | | | | | | | | | | | | | | | | | | | |
| 10.00 1.00 | | | Qui | arter 3 | | | Qui | arter 3 | | | Qui | arter 3 | | | Qr | arter 3 | | | Que | arter 3 | |
| 49 63.6% 1,566,800 78.1% 62.8% 1,549,800 83.0% 83.0% 83.0% 1,399,00 67.3% 44 57.1% 1,336,800 63.8% 44 56.4% 13.3% 63.8% 63.8% 63.8% 13.8% 63.8% 13.8% 63.8% 13.8% | 0-20,000 | | 35.1% | 372,300 | 18.6% | 24 | 31.6% | | | | | | | | \vdash | | | | 39.7% | 410,000 | 14.6% |
| 1.3% 67,400 3.4% | 20,001-60,000 | | 63.6% | | 78.1% | 52 | 68.4% | | | | | | _ | | | | _ | | 56.4% | 1,509,300 | 53.8% |
| 100.0% 2,006,500 100.0% 1,865,000 100.0% 1,865,000 1,965,000 1 | >60,001 | 1 | 1.3% | 67,400 | 3.4% | - | %0:0 | | 0.0% | | | | Н | | | | Ш | | 3.8% | 887,300 | 31.6% |
| Quarter 4 | Q Tota | | 100.0% | 2,006,500 | 100.0% | 92 | 100.0% | | - | | | | Н | | \vdash | | \vdash | | _ | 2,806,600 | 100.0% |
| Autoriter A | | | | | | | | | | | | | | | | | | | | | |
| 4 58.7% 1,379,100 73.4% 49, 300 12.0% 31 40.8% 430,300 12.3% 22.3% 22.3% 36.3% | | | Qui | arter 4 | | | Qui | arter 4 | | | Qui | arter 4 | | | ď | larter 4 | | | Que | arter 4 | |
| 44 58.7% 1,379,100 73.4% 44 57.9% 1,440,400 74.6% 44 58.7% 1,336,000 65.3% 43 57.3% 1,384,700 70.0% 35 46.7% 16.9% 1 13% 1379,1100 4.7% 1 13.8% 160,500 31.8% 1 13.8% 160,500 31.8% 1 13.8% 10.0% 19.8% 1 13.8% 10.0% 19.8% 1 13.8% 10.0% 19.8% 1 10.0% 19.8% 1 10.0% 10 | 0-20,000 | | 40.0% | | 22.0% | 31 | 40.8% | | | | | | | | | | | | 50.7% | 551,300 | 25.6% |
| 1.3% 87,700 4.7% 1.3% 60,500 3.1% 2.3% 345,800 16.9% 16.9% 16.9% 16.9% 175,400 8.9% 2.2% 2.7% 100.0% 1.880,100 100.0% 1.931,200 100.0% 1.931,200 100.0% 1.931,200 100.0% 1.931,200 100.0% 1.931,200 100.0% 1.931,200 100.0% 1.931,200 100.0% 1.931,200 1 | 20,001-60,000 | | 58.7% | | 73.4% | 44 | 27.9% | 1,4 | | | | | | | | | | | | 1,109,800 | 51.6% |
| 75 100.0% 1,880,100 100.0% 100 | >60,001 | 1 | 1.3% | 87,700 | 4.7% | 1 | 1.3% | | | | | | | 7 | 1.3% | | | 5 2 | 2.7% | 490,500 | 22.8% |
| Annual An | Q Tota | | 100.0% | 1,880,100 | 100.0% | 26 | 100.0% | | _ | | | | $\overline{}$ | | - | | - | | | 2,151,600 | 100.0% |
| Annual Andron Annual An | | | | | | | | | | | | | | | | | | | | | |
| 28 37.5% 1,509,900 19.8% 31 40.7% 1,734,500 23.6% 31 41.4% 1,740,200 22.6% 32 41.6% 1,647,300 21.0% 33 43.0% 33.0% 33.2% 32.86,900 73.2% 42 56.0% 5,289,200 68.8% 43 56.7% 5,472,800 69.9% 42 56.0% 5,289,200 68.8% 43 56.7% 5,472,800 69.9% 42 56.0% 5,289,200 68.8% 43 56.7% 5,472,800 69.9% 42 56.0% 5,289,200 68.8% 43 56.7% 5,472,800 69.9% 42 56.0% 5,289,200 86.8% 43 56.7% 5,472,800 69.9% 42 56.0% 5.289,200 86.8% 43 56.7% 5,472,800 69.9% 42 56.0% 5.289,200 86.8% 43 56.7% 5,472,800 69.9% 42 56.0% 56.0% 66.300 86.8% 43 56.7% 5,472,800 87.0% 100. | | | Ā | nual | | | Ar | nnual | | | Ā | nnual | | | ¥ | nnual | | | Ar | ınual | |
| 46 61.5% 5,886,800 77.2% 44 58.36,900 73.2% 42 56.0% 5,289,200 68.8% 43 56.7% 5,472,800 69.9% 42 56.0% 5,289,200 88.% 43 56.7% 5,472,800 69.9% 42 54.7% 5,289,200 69.9% 43 56.7% 5,472,800 69.9% 42 5.289,200 80.0% 1 1.6% 708,500 9.1% 2 2.2% 2 2.6% 660,300 8.6% 1 1.6% 708,500 9.1% 2 2.3% 2 2.6% 660,300 8.6% 1 1.6% 708,500 9.1% 2 2.3% 2 2.6% 660,300 8.6% 1 1.6% 700,0% 9.1% 2 2.3% 2 2.3% 2 2.6% 660,300 8.6% 1 1.6% 1.0% 2 2.2% 2 2.6% 2 2.6% 2 2.6% 2 2.0% 2 2.0% 2 < | 0-20,000 | | 37.5% | 1,509,900 | 19.8% | 31 | 40.7% | | | | | | | | | | _ | | 43.0% | 1,778,300 | 20.1% |
| 1 1.0% 231,900 3.0% 1 1.0% 235,500 3.2% 2 2.6% 660,300 8.6% 1 1.6% 708,500 9.1% 2 235,500 100.0% 7,828,600 1 | 20,001-60,000 | | ╛ | 5,886,800 | 77.2% | 44 | 58.3% | 2 | _ | | _ | 5, | _ | | _ | 5, | _ | | _ | 5,252,900 | 59.4% |
| 75 100.0% 7,628,600 100.0% 76 100.0% 7,350,900 100.0% 76 100.0% 7,828,600 100.0% 7,828,600 100.0% 77 | >60,001 | | 1.0% | | 3.0% | 1 | 1.0% | | | | | | | | | | | 5 2 | 2.3% | 1,806,900 | 20.4% |
| | Tota | | 100.0% | 7,628,600 | 100.0% | | | | | | | | _ | | _ | | _ | | | 8,838,100 | 100.0% |



A review of residential revenue and gallons billed indicates that, in general, the Utility has done a good job of using the rate making process to offset the decrease in revenue that would come from fewer gallons consumed.

V. CONSERVATION EFFICIENCY MEASURES - NONRESIDENTIAL CUSTOMERS

Commercial, Industrial and Public rates were set in 2012 with declining blocks and the Utility had a rate increase approved by the PSC, effective December 1, 2017.

| | per 1,000 Gallons cember 1, 2017 |
|--------------------|-------------------------------------|
| Gallons | Commercial, Industrial, Public |
| 0 - 75,000 | \$3.60 |
| 75,001 - 1,500,000 | \$3.40 |
| Over 1,500,000 | \$3.00 |

As seen below, there appears to be enough variation in consumption within the classes to question whether the structure is affecting utilization. Anecdotally, consumption seems to move with the economy and the weather.

| | | Ŋ | Metered Usag | e for Non-Re | sidential | | |
|------------|-------------|-------------|--------------|--------------|-------------|-------------|-------------|
| Billing | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 |
| Class | (Gallons) | (Gallons) | (Gallons) | (Gallons) | (Gallons) | (Gallons) | (Gallons) |
| Commercial | 780,972,720 | 774,316,900 | 763,290,200 | 729,873,000 | 707,267,000 | 696,184,000 | 663,605,300 |
| Industrial | 270,877,200 | 262,476,500 | 237,069,700 | 232,668,900 | 230,557,100 | 220,675,300 | 161,293,500 |
| Public | 92,618,300 | 99,075,700 | 83,040,900 | 72,384,600 | 67,338,800 | 65,913,900 | 47,756,950 |
| Irrigation | n/a | n/a | n/a | n/a | 4,447,476 | 2,879,000 | 6,206,500 |

Therefore the Utility uses efforts, other than the rate structure, to incent conservation.

To bolster the rate increase, the Utility has additional conservation programs that affect Non-Residential customers and some that affect all customer classes. The additional programs include the following:

- 1. Irrigation Rates (for all customer classes)
- 2. Sprinkling Ordinance (for all customer classes)
- 3. Irrigation Ordinance (for all customer classes)
- 4. Sewer Ordinance Change (for all customer classes)
- 5. Yard Sign Campaign (for all customer classes)
- 6. Waukesha Rain Barrel Promotion Program (for all customer classes)
- 7. Rain Garden Plants Sale (for all customer classes)
- 8. Outdoor Conservation Tips (for all customer classes)
- 9. Pre-rinsed Spray Valves (for non-residential classes)
- 10. Why it's Important To Conserve & What You Can Do (for all customer classes)
- 11. How Much Water Do You Use? & Things to do to Lower Your Bill (all customer classes)
- 12. Program on Finding & Fixing Leaks (for all customers)
- 13. Web Based Consumption History and Comparisons Available (for all customers)
- 14. Audit Program (for residential & non-residential customers)

1. Irrigation Rates

Effective December 1, 2017, the Wisconsin Public Service Commission (PSC) approved our application to offer Irrigation Rates to our customers.

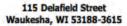
The irrigation rates were designed with two goals in mind. First, to bill for water used outside that is not collected into the sewer system. Second, to encourage conservation of a limited resource.

The Utility notified customers about the new irrigation rates by mailing letters to accounts that were billed water only (for the accounts that had a public sprinkling meter) and to accounts who previously had and still have sewer credit meters.

In addition to the mailings, the account type for the public sprinkling meters was changed on our billing system to an Irrigation account; and the volumetric rate was increased to \$5.70 per thousand gallons, as opposed to the residential or commercial step rate.

Finally, an Application for Irrigation Meters was created and placed on our website. This Application includes a cover letter, instructions on what needs to be done to get an irrigation meter installed, and a meter installation specification sheet.

In 2020, the Utility received 1 application for irrigation meters. A copy of the Irrigation Application, with all of its attachments, is also shown on the following pages.





Telephone: (262) 521-5272 • Fax: (262) 521-5265 • E-mail: contactus@waukesha-water.com

Re: Irrigation Meter

Dear Customer:

This letter is regarding your inquiry into an irrigation meter for your property. If you are interested in the installation of an irrigation meter, please review the instructions, complete the enclosed application, and return it to the Waukesha Water Utility with a check for \$125.00 for each irrigation meter you would like to install. Please note that in order to complete the application, you will need to obtain a plumbing permit. The permit can be obtained at City Hall.

Also, when considering an irrigation meter, please remember that the city of Waukesha has a Sprinkling Ordinance. Every year, beginning May 1st – October 1st, addresses ending in an Odd number, may only water on Tuesdays & Saturdays (before 9 a.m. or after 5 p.m.); addresses ending in an Even number, may only water on Thursdays & Sundays (before 9 a.m. or after 5 p.m.). If you have an automatic sprinkling system, please be sure to schedule the sprinkling times appropriately.

The billing rates for an irrigation meter, effective on December 1, 2017, are as follows:

| Quarterly Char | ge | | |
|----------------|--------|-------------------|------------|
| Meter Size | \$ | Meter Size | \$ |
| 5/8 | 27.00 | 3 | 198.00 |
| 3/4 | 27.00 | 4 | 270.00 |
| 1 | 45.00 | 6 | 438.00 |
| 11/4 | 66.00 | 8 | 666.00 |
| 1 1/2 | 75.00 | 10 | 960.00 |
| 2 | 117.00 | 12 | 1260.00 |
| Volumetric Cha | arge | \$5.70 per 1,0 | 00 gallons |

If you have any further questions, please call us at 262.521.5272 between 8:00 a.m. and 4:00 p.m.

Sincerely,

Waukesha Water Utility

IRRIGATION METER

In order to install an irrigation meter and radio, please do the following:

1. Complete the attached application

You may need to work with a plumber or our customer service staff to complete the application. Please be aware that you will receive a separate bill for this meter.

2. Obtain a plumbing permit from City Hall

Plumbing permits are issued by the Building Inspector. They may be obtained in room 200 in the City Hall at 201 Delafield St. The office is open from 8:00 to 4:30. The telephone is (262) 524-3750.

3. Pay the application fee (\$125)

The fee is paid at the Water Utility. It covers the time our engineering staff spends to ensure that the meter will be the appropriate size to meet your needs from information supplied by you or your plumber. It also covers the administrative time spent processing the application. Finally, it covers the time our field crew will spend installing the meter and radio at the premises.

4. Install the fixtures for the irrigation meter and radio

Whether you intend to do-it-yourself or hire a plumber, the pipes, meter valve, and the copperhorn for the meter must installed according to the attached specifications. The materials must also be in compliance with Wisconsin Administrative Code. Because you pay for all of these materials and work, you will own all of this plumbing.

5. Set an appointment with the Water Utility to install the meter and radio

To have the meter installed, please call Customer Service at (262) 521-5272. You will want to make this appointment at least a week in advance, especially if you want to coordinate the work so that it gets done on the same day that a plumber is present. The Water Utility owns, operates and maintains only the meter and the radio. If your installation of the meter and radio requires additional hardware, you will be invoiced for that additional hardware.

6. Schedule your sprinkling times according to Waukesha's Sprinkling Ordinance Every year, beginning May 1st – October 1st, Waukesha has the following Sprinkling Ordinance: addresses ending in an Odd number, may only water on Tuesdays & Saturdays (before 9 a.m. or after 5 p.m.); addresses ending in an Even number, may only water on Thursdays & Sundays (before 9 a.m. or after 5 p.m.). If you have an automatic sprinkling system, please be sure to schedule the sprinkling times appropriately.

> 115 Delafield Street P.O. Box 1648 Waukesha, WI 53187-1648

Questions regarding the application process: (262) 521-5272

Fax Number: (262) 521-5265

P:\ADMIN\Applications for New Services\Annual Forms Update\Irrigation Meter Ap 1 02 20.docx



APPLICATION FOR IRRIGATION METER

| 1. | Property Address |
|-----|---|
| 2. | Building TypeSingleFamilyDuplexTriplexApartment (> 4 units)Condo |
| 3. | Owner's Name Phone |
| 4. | Owner's Address |
| 5. | Plumber's Name Phone |
| 3. | Plumber's Address |
| 7. | Please list the number of water using devices that will be measured by this meter |
| | 3/4" Garden Hose 1/2" Garden Hose Underground Sprinkler |
| 3. | Gallons per minute needed |
| Э. | City Plumbing Permit # |
| 10. | Who is responsible for payment?OwnerPlumber |
| 11. | Are you aware of Waukesha's Sprinkling Ordinance (as explained in the cover letter)?YesNo |
| | |
| 5 | Signature Date |

 $P:\ADMIN\Applications for New Services \align{center} Irrigation Meter App\Irrigation Meter Ap 3 18. docx \\$



IRRIGATION METER SPECIFICATIONS



Installation of a 5/8 inch irrigation meter

NOTE 1: Copperhorns shall comply with ANSI/AWWA C-800, have a lead free brass body with copper arms and swivel connections manufactured by Ford in the following sizes.

| Meter Size | Copperhorn |
|------------|--------------------------------|
| 5/8" | No. 1 provided with union nuts |
| 3/4" | No. 3 provided with union nuts |
| 1 " | No. 4 provided with union nuts |

- NOTE 2: The Utility will install the meter valve and the copperhorn upon the request of the applicant. The cost will be billed to the applicant as outlined in the current Waukesha Water Utility Fee Schedule.
- NOTE 3: The Utility Rules and Regulations Manual requires a four foot clearance around the meter.
- NOTE 4: All brass must be lead free.
- NOTE 5: The Utility will replace (at the cost of the applicant) any copperhorn or valve that does not comply with the specifications, above.
- NOTE 6: Certified vacuum breakers shall be installed at each hose bib.
- NOTE 7: Fixtures serving, and served by, the irrigation should be separately labeled.

P:\ADMIN\Applications for New Services\Irrigation Meter App\Irrigation Meter Ap 3 18.docx

In addition to the Irrigation Rates, the Utility also uses the next seven programs (previously listed) to encourage conservation during the summer months.

There is a discussion of each of these tools below; followed by data that demonstrates the efficacy of the Utility's approach.

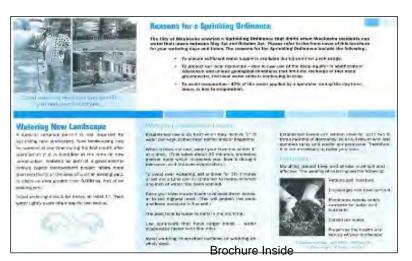
2. Sprinkling Ordinance

City Ordinance 13.11 was enacted in 2006 and applies to all customers in Waukesha. The ordinance is in effect from May 1 to Oct 1 each year. This ordinance bans all sprinkling during the daytime hours of 9 AM to 5 PM during the stated time period. Customers are allowed to irrigate two days a week according to their address.

A brochure that explains the ordinance is placed at several public locations.



Brochure Outside



In addition to the Sprinkling Ordinance brochure, **Bill stuffers** are sent to all customers each year beginning in April and ending in June. The stuffers are designed to remind customers of the Ordinance. A copy of the stuffer is below.



Front

Did you know...

- If you replace your old water guzzling toilet (3.5 gallon or more) with a 1.28 gpf (gallons per flush) WaterSense toilet, you may be eligible to receive a rebate from the Water Utility.
- You can purchase rain barrels through the Waukesha School District's Environmental Education Department (262-970-4333) or Retzer Nature Center (262-896-8007). Capturing rain water not only saves you money but is better for your garden, lawn, and plants because the water is not chlorinated.
- It is not necessary to water the lawn. It is natural for lawns to turn brown in the hottest months. The lawn doesn't die, it just goes dormant. The green lawn will return with the autumn rain.
- Toilets should be checked for leaks at least twice a year because they are one of the most common places where leaks occur. Hundreds of gallons of water per day can be wasted. Free Leak Detection Dye Tablets are available at the Utility.
- Dripping faucets are usually easily and inexpensively repaired by replacing the washer inside the handle. Check both internal and external faucets for leaks. See our website for videos on how to fix leaks.

For more detailed information, please visit our website at www.ci.waukesha.wi.us/waterhome

Back

Street signs, alerting the public to the Ordinance, have been place on every major street.



Time Warner Cable aired a **public service announcement** that addressed the Sprinkling Ordinance in 2012. The same announcement is broadcast annually on the City's TV25. TV25 airs information pertaining to local government and community events.

Reminders are placed in **local papers** (as seen on the next page).

Fines are approved and in place for violations to this Ordinance, as follows:

| 1 st Citation | \$172 |
|--------------------------|-------|
| 2 nd Citation | \$298 |
| 3 rd Citation | \$424 |
| 4 th Citation | \$676 |

Before citations are issued, **Notices are sent to violators** to encourage them to comply. In 2020, due to the amount of rainfall this past year, the lawns were green for the majority of the summer and there were no violators reported to us.

For Immediate Release

Press Release

June 2020 - With the arrival of hot weather, the Waukesha Water Utility would like to remind city residents of the annual Sprinkling Ordinance in effect from May 1st – October 1st.

Odd-numbered street addresses may water on Tuesdays and Saturdays prior to 9 a.m. or after 5 p.m.

Even-numbered street addresses may water on Thursdays and Sundays prior to 9 a.m. or after 5 p.m.

A hand-held watering can, container, or hose may be used at any time to water gardens, trees, or shrubs, but only if the water device is utilized manually and not left unattended.

The City developed the sprinkling ordinance as part of an ongoing water conservation program. Additional water conservation is needed to protect local water resources and reduce demand during peak hours. The City is requiring customers to refrain from watering during daytime hours, when up to 40% of the water applied by a sprinkler can be lost to evaporation.

To help with the sprinkling, a \$20 rebate for rain barrels is available for Waukesha Water Utility customers.

For additional information on the sprinkling ordinance and rebates, please visit the Water Utility's website at www.waukesha-water.com/conservation.html or phone the Utility at (262) 521-5272.





Telephone: (262) 521-5272 • Fax: (262) 521-5265 • E-mail: contactus@waukesha-water.com

| Re: |
|---|
| Dear Water Utility Customer: |
| It has been observed that you have been sprinkling at your property during unauthorized periods, specifically on at a.m./p.m. |
| Conservation Ordinance #20-06, Chapter 13.11 of the City Municipal Code was passed by the Waukesha Common Council in April 2006 which restricts the days and times for outdoor water sprinkling. These restrictions are in effect Annually from May 1 st through October 1 st , and are as follows: |
| Addresses ending with an Odd Number may water on Tuesdays and Saturdays, before 9:00 a.m. or after 5:00 p.m. |
| Addresses ending with an Even Number may water on Thursdays and Sundays, before 9:00 a.m. or after 5:00 p.m. |
| Please adjust your sprinkling times to coordinate with the days and times that are applicable to your address; and please adjust your sprinklers so that they are not watering the sidewalks or driveway. |

Enclosed is a brochure to help answer any questions you may have. If you would like additional information, please contact the Waukesha Water Utility at 262-521-5272.

We appreciate your prompt response and your assistance in helping protect and

Sincerely,

WAUKESHA WATER UTILITY Customer Service

maintain our water supplies for the future.

Violation Letter



Sprinkling Ordinance

City Ordinance 13.11 applies to all customers in Waukesha and is in effect from May 1 to October 1 each year.

| e filosofie | An | City of Waukeshi nual Sprinkling Ord May 1st - October | linance | |
|-----------------------|---|--|--|--|
| S () | Addresses Ending With An | May Water On The Following Days | Before 9 am or After 5 pm | |
| | Odd Number | Tuesdays & Saturdays | | |
| War series | Even Number | Thursdays & Sundays | Before 9 am or After 5 pm | |
| | Hand water | ing may be done any day. | at any time. | |
| first watering violat | urnings will be given for the on. Subsequent offenses we or Ordensec. Violations ma- comy at (262) 521-5272. | is GREEN Compage. | ince escablished trees go d term green again with the | |

Sprinkling Tips

- · Established lawns need only one inch of water per
- Place a tuna can or small container outside to measure this amount.
- Set a timer as a reminder to move sprinklers.
- · Water before 8:00 a.m. this will limit the amount of water lost to evaporation.
- Avoid watering at night this will reduce the chance of lawn diseases.
- Raise your lawn mower blade to at least three inches, or to its highest level - this will provide protection to the roots and allow moisture to remain in the soil.
- Avoid over fertilizing fertilizers increase the need for water.
- Purchase a slow release, water-insoluble form of nitrogen for your fertilizing needs.

 • Do not water on windy days.
- · Position sprinklers to avoid watering the roof, driveway, sidewalk, or street.
- · Use sprinklers that have larger holes water evaporates faster with sprinklers that spray a fine mist.
- · Use drip irrigation systems for plants, trees, shrubs, and vegetable gardens. Or use soaker hoses but turn them upside down (so that holes are on the bottom). This will also help prevent evaporation.

Last updated 06/05/2015

Sprinkling Ordinance & Tips Posted on the Website

Water Sense®



3. Landscape Irrigation System Ordinance

In May of 2015, the Utility began working on an ordinance to incent the installation of water efficient irrigation systems. With the assistance of DJ's Sprinkler Systems and Milwaukee Sprinkler Systems, the City Building Inspector, and the City Attorney, the Utility drafted the ordinance and permitting documents. The Wisconsin Public Service Commission was unaware of other utilities in the state that had ordinances, so Waukesha analyzed aspects of the ordinances from Dallas and Denver.

Ordinance 19.175, Landscape Irrigation Systems, was adopted in the fourth quarter of 2015 by the Common Council. In short, the ordinance exists to ensure that all Landscape Irrigation Systems in the City of Waukesha are designed, installed, maintained, altered, and operated in a manner that prevents the waste of water, promotes the most efficient usage of water, controls erosion, and applies the minimum amount of water required to maintain healthy individual plants. The ordinance can be found at:

http://waukesha-water.com/downloads/PressReleases/Irrigation Ordinance Final 10 15 15.pdf

In addition to conservation minded landscape design, the ordinance mandates the use of a WaterSense labeled controller. Waukesha Water Utility is a WaterSense partner and as such relied on the research WaterSense had already done. They found that a Water Sense controller can save a home between 30-50% on its summer water bills, and reduces landscape run off by as much as 71%.

The administrative duties are performed by the City Building Inspector's Office and, to a much lesser degree, the Water Utility. The Inspector's Office performs the plan review, issues the permit, and retains the records surrounding the installation of the systems. The Utility will educate the public about the new ordinance and supply the Inspector's Office with the permitting forms.

In 2020, there was 1 permit issued.

Copies of the application, instructions and contractor certificate can be found below.



CITY OF WAUKESHA DEPARTMENT OF COMMUNITY DEVELOPMENT- BUILDING INSPECTION 201 DELAFIELD STREET * WAUKESHA, WI 53188 * (262) 524-3530

| PERMIT NO | O: |
|-----------|----|
|-----------|----|

APPLICATION FOR IRRIGATION SYSTEM PERMIT

| Owner | Pho | one |
|---------------------------------|--|-------------------------------------|
| Address | | |
| Job Address (if different) | | |
| Contractor | License (if applical | ble) |
| | Pho | ne |
| | SYSTEM DESCRIPTION | |
| _Single Family2 Fami | ly _3 Family _Multi Family _Commer | cialIndustrialPublic |
| Fixtures | Туре | Quantity |
| Backflow Preventer | Annual Inspection Required Y N | |
| Irrigation Controller | WaterSense Labeled Y N Provide Cut Sheet | |
| Estimated System Cost | | |
| Signature of Applicant | | Date |
| The nonrefundable permit fee wa | e of \$50.00 and the applicable plan review for s collected, and the permit is hereby approve | ee per approved fee schedule ed. |
| Signature | Title | Date |
| White Copy – Contractor | Yellow Copy – Owner Pink Copy – City of V | Waukesha, Building Inspector |

P:\Conservation\2015\irrigation Plumbing Ordinance\Permit 10 15 15.docx8/12/15

Application for Irrigation System Permit

CITY OF WAUKESHA DEPARTMENT OF COMMUNITY DEVELOPMENT- BUILDING INSPECTION 201 DELAFIELD STREET * WAUKESHA, WI 53188 * (262) 524-3530

INSTRUCTIONS FOR IRRIGATION SYSTEM PERMIT

City of Waukesha Ordinance 19.175 requires that a permit be issued before an irrigation system may be installed, materially altered, or completely replaced. The purpose of this ordinance is to require all irrigation systems to be installed, materially altered, or completely replaced in a manner that is consistent with the City's water conservation goals. Systems shall prevent the waste of water, control erosion, promote the most efficient use of water, and apply the least amount of water that is required to maintain healthy individual plant material.

The Ordinance, available at http://www.ci.waukesha.wi.us/web/quest/chapter19, outlines the features required of irrigation systems, and the procedures required when the system is turned over to the owner.

A permit must be issued before the work commences.

The contractor shall prepare an irrigation plan to scale for each site where a new irrigation system will be installed or altered. Plans shall:

- Be drawn to scale and indicate the scale used.
- 2. Include the name and dated signature of the designer.
- Designate the location of the parcel.
- 3. Depict both areas to be and not to be irrigated within the parcel.
- Reveal the major physical features and boundaries of the areas to be watered.
- Indicate the location and type of each:
 - water source, backflow prevention device, controller, sensor, and electrical splice.
 - water emission device, including, but not limited to, spray heads, rotary sprinklers, quick couplers, bubblers, drip, or micro sprays.
 - valve, including but not limited to, zone valves, station solenoid valves, automatic master valve, and isolation valve.

Back flow preventers are required to be installed by licensed plumbers.

All systems subject to the ordinance must include a WaterSense labeled Irrigation Controller. A list of controllers is available at http://www.epa.gov/watersense/product_search.html?Category=5. A cut sheet of the controller must be submitted with the application.

The permit fee is due at the time of application and is nonrefundable.

The application must be submitted to Building Inspection. The review may take as many as 10 business days before a permit can be issued.

Upon completion of the system, the Contractor must review the Contractor Certificate specified in the ordinance and secure the owner's signature. A copy of the signed Contractor Certificate shall be sent to the Department.

Failure to follow these instructions subjects the violator to the fines specified in the ordinance.

This form is also available online at http://www.ci.waukesha.wi.us/deot/building/FORMS.htm

P:\Conservation\2015\irrigation Plumbing Ordinance\Permit 10 15 15.docx8/12/15

Instructions for Irrigation System Permit

CITY OF WAUKESHA DEPARTMENT OF COMMUNITY DEVELOPMENT- BUILDING INSPECTION 201 DELAFIELD STREET * WAUKESHA, WI 53188 * (262) 524-3530

| п | ER | | ш | NI/ | ٦. |
|---|----|-----|---|-----|----|
| М | | UMI | | M | J. |

IRRIGATION SYSTEM CONTRACTOR CERTIFICATE

Within 30 days of completion of the installation of the System, the Contractor shall:

- · complete and deliver this signed and dated Certificate to the Owner
- · deliver a fully signed copy to the Department

| l, | of Contractor | , installed an Irrigation System installed at |
|-------------|---|--|
| Installa | ation Address | , and certify that I have: |
| ✓ (Che | eck those that apply) | |
| Syster | - | all applicable ordinances, statutes, codes, rules of the entire System; and confirmed that the ng to the Irrigation Plan and all terms and |
| | Provided the Owner with a copy of the Ir | rigation Plan indicating the System, as built. |
| | Performed a final walk-through with the 0 | Owner to explain the operation of the System. |
| compo | Supplied the Owner with the manufactur onents of the System. | ers' manuals for the controller and other |
| □ recom | Supplied the Owner with a list of System mended frequency for maintenance. | components that require maintenance, and the |
| □ each y | • | y to drain the System before November 1st of |
| Contra | actor's Signature | Date |
| Owner | r's Signature | Date |
| Whi | ite Copy – Contractor Yellow Copy – Owner | Pink Copy – City of Waukesha, Building Inspector |

This form is also available online at http://www.ci.waukesha.wi.us/deot/buildino/FORMS.htm

P:\Conservation\2015\irrigation Plumbing Ordinance\Permit 10 15 15.docx8/12/15



4. <u>Sewer Ordinance Change</u> (Sprinkling Credit Meters)

In December 2016, Waukesha's Sewer Credit Meter Ordinance was revised to better support Waukesha's water conservation efforts. The recent Ordinance change was focused on eliminating water use for activities that are considered non-essential – such as outdoor water use.

Prior to the Ordinance change, customers who had a sewer credit meter could have their wastewater charges reduced by the amount of water used outdoors. However, as of January 1, 2017, sewer credit meter accounts, installed for more than seven years, will no longer receive a credit.

Sewer credit meters installed for less than seven years will be phased out. The Utility calculated that it takes an average of seven years for customers to recover the money they spent for the meter and installation costs. Therefore, sewer credit meters installed between January 1, 2010 and December 31, 2016 will expire seven years from the date they were installed.

In 2020, the Utility mailed 51 letters to customers who reached their 7 year phase out period and were scheduled to have their sewer credit discontinued. A copy of the letter is shown on the following page.

There are 106 residential sewer credit accounts remaining.

SERVING WAUKESHA SINCE 1886

Waukesha, WI 53187-1648

March 06, 2020

RE: Sewer Credit Ordinance Change

Dear

The City updated its Sewer Credit Ordinance to sunset the use of sewer credit meters. The ordinance was changed to ultimately support the Water Utility's water conservation efforts, but also, to allow customers to recover the cost of buying and installing a sewer credit meter. On average, a homeowner is able to recover these costs in seven years.

You are being contacted as the related meter on your property has been in use for seven years.

You have until May 20, 2020, to provide a final reading from your sewer credit meter. That reading will be used to calculate the last sewer credit that you are entitled to. You may send in a meter card or phone in a reading.

The sewer credit meter is customer owned but does not need to be removed. The Water Utility will "disconnect" the meter in our records. As a result, your bill will no longer be reduced by the value of the water that passes through your sewer credit meter.

Please keep in mind that Waukesha's water conservation program is an important factor leading to its ability to secure water from Lake Michigan. This change is aimed at reducing water use for activities that are considered non-essential.

We understand how these changes affect you. Please consider changing how you use the water that was passing through your sewer credit meter.

If you have any questions about the sewer credit meters or would like information about our conservation rebates or Irrigation Only rates, please contact the Utility at (262) 521-5272.

Thank you,

Waukesha Water Utility

5. My Brown Lawn is Green Yard Sign Campaign

Furthermore, the Utility continued to encourage customers to let their lawns go dormant. Large colorful lawn signs, designed by a local artist, are available free of charge to customers who wish to demonstrate their commitment to water conservation. The signs serve to acknowledge those who are conserving and to encourage their neighbors to do the same. A sample of the lawn sign is below.



6. Rain Barrel Promotion Program

In addition to Waukesha Water Utility's new rain barrel rebate program, as mentioned previously in Section II under Incentives, the Utility also helps promote the Waukesha School District's and Waukesha County's rain barrel sales.

To help advertise the rain barrels, the Utility sends out bill inserts; and any time a customer calls and requests information about a rain barrel, we inform them about these two local programs. In addition, we promote rain barrels at all public outreach events.



7. Rain Garden Plant Sales & Free Workshops

In addition to promoting rain barrels, the Utility also helps promote Waukesha County's annual plant sales for rain gardens and their free workshops.

In 2020, the Spring Workshop was cancelled due to Covid.

CANCELLED - Spring Workshop Day

Where: Retzer Nature Center

From: 3/14/2020 9:00:00 AM To: 3/14/2020 3:00:00 PM

Spend your day getting ready for spring through these free, expert-led workshops and programs. Come learn about gardening for pollinators, invasive species, home composting, sustainable home practices, and container gardening ideas. Presented by Johnson's Nursery.

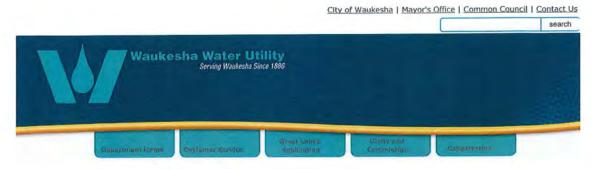
Visit this link for the full schedule!

Add to your calendar

Advertisement for Waukesha County's Rain Barrels, Rain Garden, & Workshops

8. Outdoor Conservation Tips

Waukesha Water Utility has outdoor conservation tips on its website. As seen below, the topics covered are the following: Rain Harvesting, Garden Hose, Plants/Trees/Shrubs/Vegetable Gardens, Pools/Spas, and Rain Gardens.



Outdoor Conservation Tips

Rain Harvesting

Use a bucket or a rain barrel to catch and store fresh rainwater from your rooftop. Then use this water for washing your car or for watering your lawn, garden, trees, and plants. Rainwater is better for your plants because it is not chlorinated. If you put a screen over your bucket, this will keep the insects out and keep mosquitoes from laying their eggs in the rainwater.

Garden Hose

Use a spray nozzle on your hose. If this is an adjustable type, the water can be turned down to a fine spray. When finished using the hose, turn the water off at the faucet instead of the nozzle - this will help control leaks. Sweep off your driveway and sidewalk with a broom or use a blower - do NOT use the hose.

Plants, Trees, Shrubs, Vegetable Gardens

Water plants only when needed. Soaker hoses use less water than overhead sprinklers. Turn the soaker hose upside down (so that the holes are facing down). This will help to avoid evaporation. Remove weeds - they steal water from other plants. Use organic mulches (such as woodchips, shredded bark, grass clippings, straw, hay, leaves, or compost) - to retain moisture.

Pools/Spas

Cover the pool or spa to prevent evaporation and to keep the water cleaner. To avoid water going over the sides, do not over fill. Install a water-saving pool filter - traditional filters use 180-250 gallons of water. Do not drain pools/spas unless repair work is needed.

Rain Gardens

Rain gardens are a more natural landscape that uses wildflowers and other native plants. The native plants are low maintenance, use a lot less water, and do not require fertilizers. Due to their deep root system, native plants help the environment by increasing the soil's ability to store water, reducing runoff (flooding), and providing a habitat for birds and butterflies. The DNR provides a lot of information about Rain Gardens.



Last updated 06/04/2015

Outdoor Conservation Tips on Website

These 8 Tools Are Working

The information below indicates that Waukesha uses, on average, much less water in the summer now than it did before these eight tools, previously mentioned, were put into place. We have effectively reduced our peak demands, even during the extreme drought conditions of 2012.

Gallons Pumped, during the summer months of 2019, was at a fourteen year low.

| Summer Volumes as a Percent of Total Gallons Pumped | | | | | | | | | | | | |
|---|-------------------|-------------------|------------------------------|--------------------|-------------------|------------------------------|--------------------|-------------------|------------------------------|-------------------|----------------|------------------------------|
| Year | Wauk | esha Pump | age | Brookfield Pumpage | | | Oconomowoc Pumpage | | | Pewaukee Pumpage | | |
| | Annual (000's) | Summer (000's) | Summer as a % of Total | Annual (000's) | Summer (000's) | Summer as a % of Total | Annual (000's) | Summer (000's) | Summer as a % of Total | Annual (000's) | Summer (000's) | Summer as a % of Total |
| 2005 | 2,838,403 | 1,333,367 | 47.0% | 1,496,931 | 737,230 | 49.2% | 708,458 | 370,121 | 52.2% | 500,991 | 279,850 | 55.9% |
| 2006 | 2,623,418 | 1,175,795 | 44.8% | 1,465,878 | 738,889 | 50.4% | 673,143 | 337,035 | 50.1% | 479,448 | 262,317 | 54.7% |
| 2007 | 2,618,461 | 1,183,827 | 45.2% | 1,368,726 | 669,849 | 48.9% | 686,683 | 355,702 | 51.8% | 445,630 | 232,840 | 52.2% |
| 2008 | 2,531,108 | 1,128,313 | 44.6% | 1,446,256 | 638,479 | 44.1% | 677,227 | 337,653 | 49.9% | 473,648 | 245,615 | 51.9% |
| 2009 | 2,479,905 | 1,109,337 | 44.7% | 1,295,283 | 653,848 | 50.5% | 676,528 | 344,909 | 51.0% | 442,530 | 247,172 | 55.9% |
| 2010 | 2,441,221 | 1,074,691 | 44.0% | 1,272,681 | 607,443 | 47.7% | 719,994 | 342,468 | 47.6% | 441,760 | 219,440 | 49.7% |
| 2011 | 2,545,103 | 1,129,986 | 44.4% | 1,436,548 | 683,145 | 47.6% | 689,523 | 329,580 | 47.8% | 480,001 | 250,294 | 52.1% |
| 2012 | 2,527,370 | 1,187,305 | 47.0% | 1,365,823 | 714,678 | 52.3% | 751,326 | 404,770 | 53.9% | 515,842 | 297,556 | 57.7% |
| 2013 | 2,348,655 | 1,048,020 | 44.6% | 1,376,089 | 661,420 | 48.1% | 693,971 | 336,449 | 48.5% | 454,881 | 237,323 | 52.2% |
| 2014 | 2,413,582 | 1,015,137 | 42.1% | 1,687,514 | 813,598 | 48.2% | 696,960 | 337,605 | 48.4% | 435,998 | 220,317 | 50.5% |
| 2015 | 2,213,900 | 970,596 | 43.8% | 1,373,750 | 729,687 | 53.1% | 630,635 | 307,853 | 48.8% | 477,185 | 248,273 | 52.0% |
| 2016 | 2,166,893 | 962,749 | 44.4% | 1,247,811 | 624,014 | 50.0% | 589,534 | 291,165 | 49.4% | 464,850 | 248,778 | 53.5% |
| 2017 | 2,128,111 | 933,128 | 43.8% | 1,254,510 | 606,530 | 48.3% | 564,324 | 270,424 | 47.9% | 464,290 | 237,116 | 51.1% |
| 2018 | 2,068,522 | 914,652 | 44.2% | 1,252,833 | 603,142 | 48.1% | 553,523 | 271,499 | 49.0% | 465,553 | 236,112 | 50.7% |
| 2019 | 2,039,436 | 902,288 | 44.2% | 1,264,021 | 597,749 | 47.3% | 549,955 | 263,935 | 48.0% | 448,268 | 218,328 | 48.7% |
| 2020 | 1,933,288 | 883,493 | 45.7% | 1,353,088 | 659,505 | 48.7% | 638,805 | 322,421 | 50.5% | 495,632 | 259,293 | 52.3% |
| Average | | | 44.7% | | | 48.9% | | | 49.7% | | | 52.6% |

Further support for the efficacy of the Utility's program can be found by comparing its summer water use with its neighbors (who are affected by similar weather conditions). Waukesha uses a lower proportion of water in the summer than does its neighbors.

In addition to the Outdoor programs, the Utility has other conservation programs (for non-residential customers as well as for all customer classes).





9. Pre-Rinsed Spray Valves

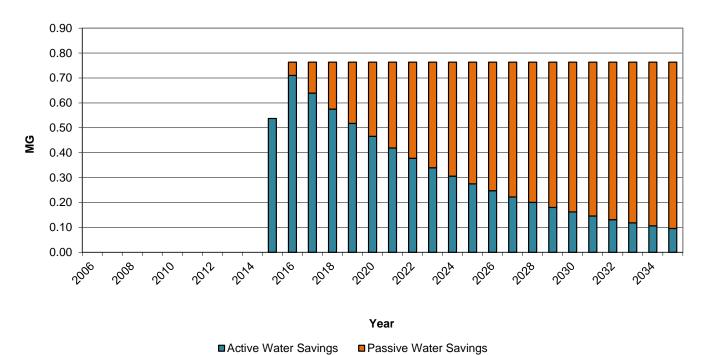
In November 2015, the Utility kicked off a new water conservation initiative for water efficient prerinsed spray valves. Pre-rinsed spray valves were offered to large water using customers for free. The spray valves are valued at approximately \$150 and maintain good pressure while using 60% less water. The spray valves are endorsed by The Green Restaurant Association, Alliance for Water Efficiency, The Green Building Council, and EPA WaterSense.

In 2020, due to the pandemic, the Utility staff did not go into any establishments to change out prerinsed spray valves.

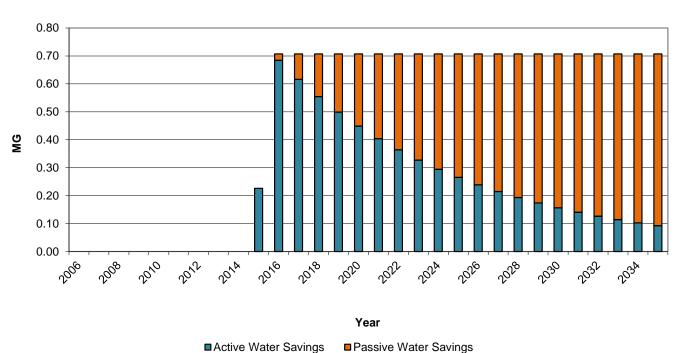
The following page shows the annual cost effectiveness of the program for past activity, along with the projected water savings through 2035, for both commercial and public accounts.

| | | | | Unit | | | | |
|------------|--|-----------|----------|----------|-----------|-----------|------------|-------|
| | | Unit Cost | PV | Benefit | PV | Avoided | Avoided | B/C |
| Class | Activity Name | (\$/MG) | Cost | (\$/MG) | Benefit | Supply | Wastewater | Ratio |
| Commercial | CII Spray Rinse Valve Grant (Commercial) | 229.76 | 4,537.00 | 1,190.52 | 23,508.94 | 12,987.75 | 10,521.19 | 5.18 |
| Public | CII Spray Rinse Valve Grant (Public) | 229.56 | 1,484.60 | 1,110.54 | 7,182.06 | 3,963.48 | 3,218.58 | 4.84 |

CII Spray Rinse Valve Grant (Commercial) Annual Water Savings



CII Spray Rinse Valve Grant (Public) Annual Water Savings



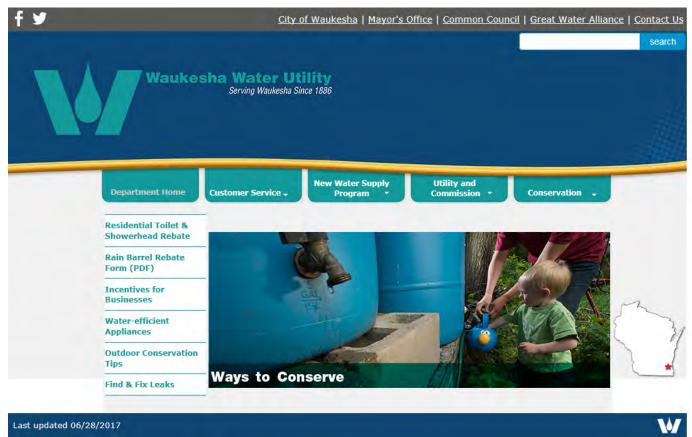
10. Why It's Important to Conserve & Ways to Conserve

There is information on our website, for all customer classes, on "Why It's Important to Conserve" & "Ways to Conserve".

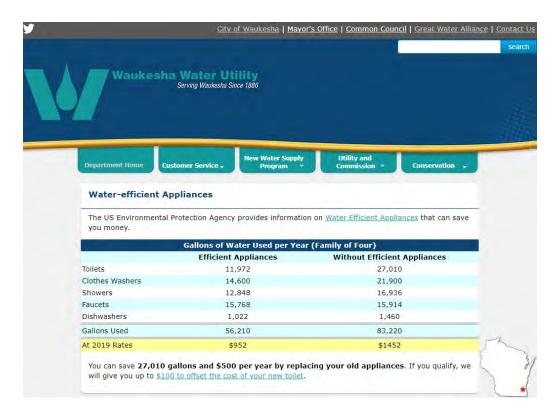


Why It's Important to Conserve on the Webpage

Under the "Ways to Conserve" heading, we talk about the toilet rebate, the incentives for businesses, the sprinkling ordinance, and outdoor conservation tips. All of these topics have been previously addressed. However, there is one more topic that hasn't been addressed and that is water-efficient Appliances, as shown on the next page.



Ways to Conserve on Webpage



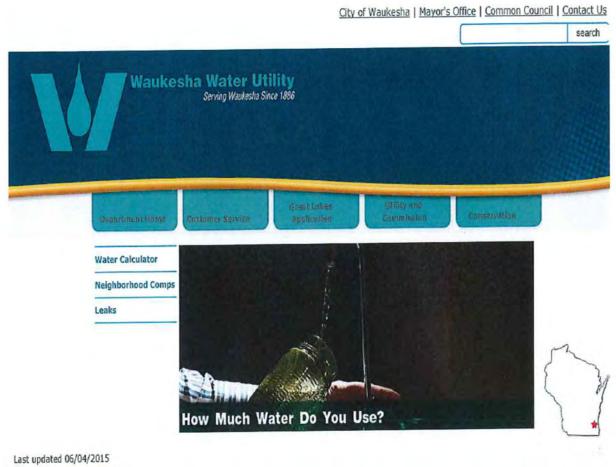
Water Efficient Appliances Webpage

11. How Much Water Do You Use & Things To Do To Lower Your Bill

Other information on our website includes "How Much Water Do You Use?" and "Things to do to Lower Your Bill".

The headings under the "How Much Water Do You Use" webpage are the following:

- Water Calculator (as shown on the next page)
- Leaks (please refer to section 12)
- How Your Water Consumption Compares to your Neighbors (please refer to section 13)



Information Regarding 'How Much Water Do You Use' on Webpage

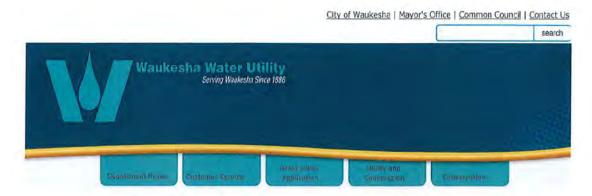
The water calculator links to H2OUSE Water Saver Water Use Calculator.

This tool calculates how much water is being used vs. how much water would be saved if fixtures, appliances, and landscaping were efficient. The link also compares the actual water bill to what a person could be saving with conservation.

| minacohail nanca min | er you could be saving. Then try the t see the difference in savings \$\$ this | be using. Compare the water budget to your actual water I Nater Use Calculator again with more water efficient can make |
|----------------------|---|---|
| | Site Information | |
| | Name: Site Name: | (e.g., My House) |
| | Zip: | |
| | Home/Interior Water | r Consumption Estimate |
| | Number of Residents: | |
| | | Yes No |
| | | yes, please answer below. |
| | | Energy Star? Yes No |
| | | onsumption Estimate |
| | Grass/lawn Area: | sq.ft. |
| | Shrubs/Ground Cover Area: Water-Conserving Plants Area: | sq.ft. |
| | Or if you don't know any of the above, enter the Total Landscape Area: | sq.ft. |
| | | |

The headings under the "Things to do to Lower Your Bill" webpage are the following:

- Repair Leaks (please refer to Section 12)
- Sprinkling Practice/Outdoor Conservation (which links to the Ordinance & Outdoor Tips as mentioned previously)
- Install Aerators/Low-Flow Showerheads/Toilet Displacement Devices/Low-Flush Toilets (as shown on the next page)
- Purchase High Efficiency Appliances That Use Less Water (as mentioned previously)
- Develop and Practice Daily Conservation Habits (as shown on two pages from this page)



Things To Do To Lower Your Bill

Repair Leaks

Leaks not only waste a lot of water, but they also waste a lot of money - especially leaks that occur in toilets. Click on leaks to learn how to locate a leak, calculate the amount of water being wasted, read customer experiences regarding leaks, and find easy and economical repair suggestions.

Sprinkling Practice / Outdoor Conservation

Learn about sprinkling and lawn care tips. Learn how much water your grass and vegetable gardens really need. Receive information about rain harvesting and rain gardens. In addition, find out what you can do to conserve water in regard to your pool/spa and vehicles.

Install Aerators/Low-Flow Showerheads/Toilet Displacement Devices/

Low-Flush Tollets

For approximately \$35, the average homeowner can install low-flow aerators on faucets, install two low-flow showerheads, and put a tollet displacement bottle in the tollet tank. This will help you conserve water and lower your water bill.

Purchase High Efficiency Appliances That Use Less Water

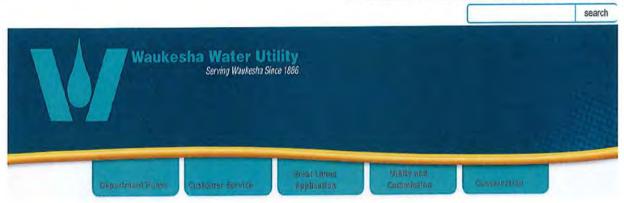
Whether you're in the process of remodeling, replacing old appliances, or buying appliances for the first time, remember high-efficiency appliances conserve water and, at the same time, save you money on both your water and energy bills.

Develop And Practice Daily Conservation Habits

Here are some more great water-saving ideas that we all can implement into our daily lives. These ideas will help conserve water and lower water bills. Remember, every little bit helps.



Last updated 06/04/2015



Install Water Saving Devices

Conserving water in your home could save you over \$115 annually in water charges and help protect your water resources.

Faucet Aerator

Household Sinks should be equipped with faucet aerators. Although it may not seem like much, a bathroom faucet can easily draw more than 2,500 gallons of water per year! Aerators conserve water by mixing air and water as the water leaves the spout. Aerators will not reduce the amount of water needed to fill a sink or pitcher, but will reduce the amount of water needed for rinsing. Aerators are easy to install and cost approximately \$2 each.

Water Efficient Showerhead

Install water saving showerheads. An average 5-minute shower with a typical non-conserving showerhead sends approximately 40 gallons of fresh water down the drain and into the sewer. Water efficient shower heads provide a water savings of at least 44% compared to non-conserving shower heads. Water efficient showerheads cost approximately \$12 and up.

Low Flow Toilet

Toilet flushing uses more water than any other household use! A typical non-conserving 5.5 gallon flush toilet (many of which are still in use) contaminates 13,000 gallons of fresh water per year to remove 165 gallons of body waste! An efficient low-flow toilet costs approximately \$100. It will save you 41.2 gallons of water per day. If you don't have a Water efficient toilet, displace water in the tank with two half-gallon plastic jugs filled with pebbles.

Source: Northwestern Indiana Regional Planning Commission and the Lake Michigan Federation (now the Alliance for the Great Lakes).



Last updated 06/05/2015

Information on Aerators, High-Efficiency Shower Heads and Toilets on Webpage



Daily Conservation Tips

Kitchen Conservation Tips

- Install a low-flow aerator on your kitchen faucet.
- Place a pitcher of water in the fridge, or warm the water in the microwave or on the stove instead of running the water from the tap and waiting for the temperature to change. Otherwise, while waiting, capture the running water for watering the plants.
- Thaw frozen foods by putting them in the refrigerator overnight or use the microwave to defrost instead
 of using water to thaw them.
- Use only a little water in the bottom of the pan for cooking purposes. This is what most foods require
 and, at the same time, the foods will be more nutritious since the vitamins will stay more in the food
 instead of the water.
- Only run the dishwasher when you have a full load; and, if available, select the "light wash" option in order to use less water.
- Scrape dirty dishes instead of rinsing them off with water. Most dishwashers clean dishes very well and do not need to be rinsed.
- When washing dishes by hand, place the stoppers in the sinks or use two containers, one with soapy water and one with rinsing water, instead of turning the faucet on each time a rinse is needed.
- Begin a compost pile rather than running the water for a garbage disposal.
- Use a pan of water to clean vegetables instead of running the water from the faucet. Then, reuse this
 water for watering plants.

Laundry Conservation Tips

- Use the wash machine only when there is a full load. Adjust the water level based on the size of the load.
- When purchasing a new wash machine, buy a high-efficiency appliance. This will not only conserve water, but will also save money on water and energy bills.

Bathroom Conservation Tips

- Install a low-flow faucet aerator on your bathroom sink.
- . Turn the water off while brushing your teeth, washing, or shaving.
- . Install a low-flow showerhead.
- Take a shower instead of a bath. A fast shower, especially one with a low-flow showerhead, will use less water.
- Place a bucket in the shower to catch excess water for watering plants.
- While in the shower, turn the water on to get wet, turn it off while soaping up, and turn it back on to rinse off. Do the same when washing your hair.
- Only flush the toilet when necessary. Use the trash for tissues, insects, and waste instead of flushing them down the toilet.
- Check for toilet leaks twice a year. (See Leaks for more information.)
- If the handle of the toilet often stays in the flush position, after flushing, and allows the water to run, get it fixed.
- Put a plastic gallon jug filled with rocks, into the toilet tank. This will raise the water level in the tank so
 that less water will be used. Otherwise, you can purchase a toilet displacement device from a hardware
 store to do the same thing.
- When remodeling or purchasing a new home, install a low-flow flushing tollet that uses only 1.6 gallons of water per flush.

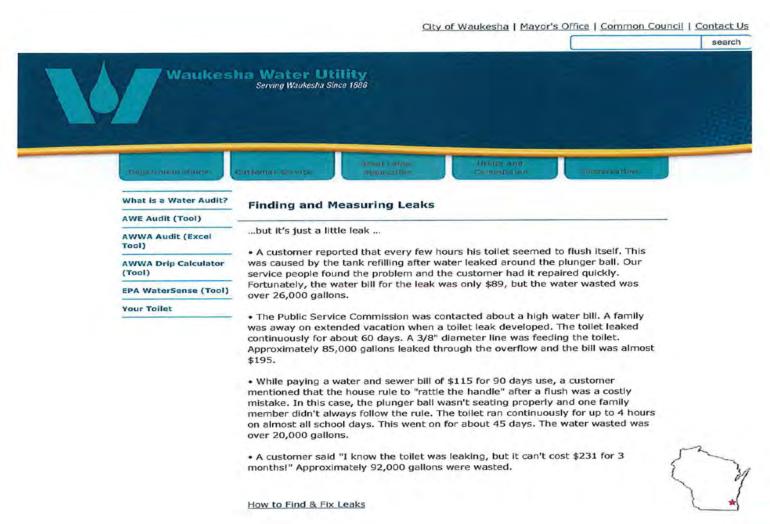
General Conservation Tips

- Do not pour water down the drain when it could be reused for watering plants, gardens, etc.
- Check your water meter to verify that your house is leak free.
- Repair toilet leaks or dripping faucets right away. These waste a lot of water and can significantly increase.

Information on Conservation Habits & Tips for Inside the Home on Webpage

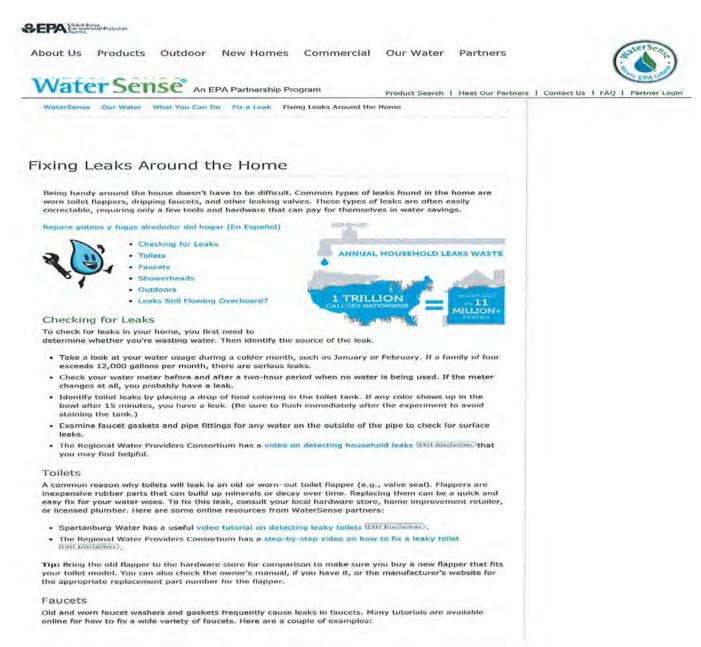
12. Program on Finding & Fixing Leaks

The Utility has information on its website to help customers understand the importance of finding and fixing leaks quickly. The information below informs customers on how much water and money can be wasted when it comes to leaks.



Information on website for Finding and Fixing Leaks

Also, the Utility has a link on its website to the Environmental Protection Agency's (EPA) WaterSense site for detailed information on Finding & Fixing Leaks.



Link to Water Sense Finding and Fixing Leaks

In addition, the Utility's website has information pertaining specifically to toilet leaks (as to how much water is wasted & information on the toilet rebate).



Toilet Leaks

Toilet leaks are one of the most common and costly leaks. Hundreds of gallons a day can be wasted on toilet leaks. Although they tend to be invisible, you can often hear the sound of water running.

It's best to check for leaks twice each year. Check your toilet for parts which are out of adjustment or worn out. Leaks usually occur in the overflow pipe or the plunger ball.

After you have fixed the leak, use the leak indicator on your water meter to verify successful repair.

| | How Much V | Vater is Wasted? | |
|-----------|-------------|------------------|--------------------|
| A leak of | per minute, | wastes | gallons per month. |
| 1.00 | 1 pint | | 5,475 |
| 1 | quart | | 10,950 |
| 1/2 | gallon | | 21,900 |
| 1 | gallon | | 43,800 |
| 3 | gallons | | 131,400 |

High Efficiency Toilet Rebate Program

If you have an old toilet, it's probably best to replace it.

Replace a Water Guzzling Toilet, Receive \$100! Rebate Qualifications and Application.



Information on website regarding Toilet Leaks

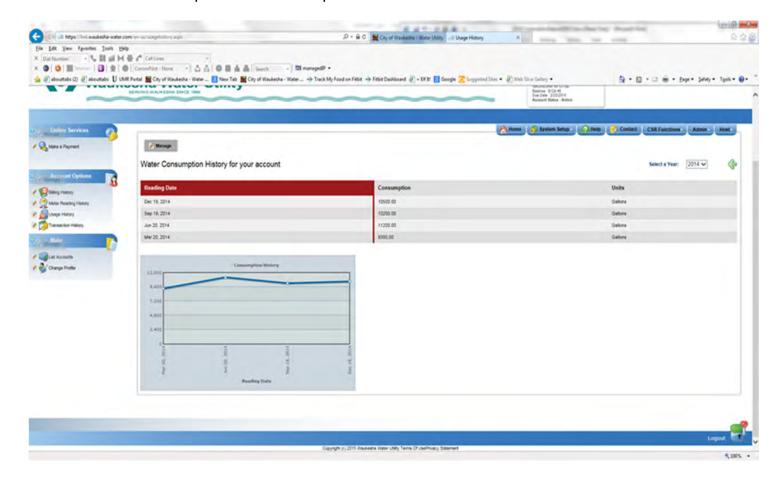
Along with a link to American Water Works Association's (AWWA) drip calculator – to calculate how much water is wasted on dripping and running faucets.

| MEMBERSHIP | CONFERENCES & EDUCATION | RESOURCES & TOOLS | PUBLICATIONS | LEGISLATION & REGULATION | Search aw |
|---------------------|--|--------------------------|---|---------------------------------------|----------------|
| Water Knowledge | Public Affairs | Career Center | Water and Wastewater | Utility Management | Resource Dev |
| PUBLIC INFORMATIO | N | | ffairs > Public Information > Drip | oCalculator | |
| PRESS ROOM | Drip Ca | lculator | | | |
| COMMUNICATIONS T | TOOLS Use AWW | A's online tool to estin | nate water waste and learn | how much water you cou | uld be saving. |
| PUBLIC AFFAIRS EVEN | NTS DRI | PPING FAUC | CETS | | |
| | The same of the sa | | aks - count the number of o drips per second amounts | 작년 기가 되었다. 전경 경기 가장 없는 것이 되었다. 그 것이다. | he |
| | Drips P | er Minute: | | | |
| | Unit of | Measurement: Gallo | ons | | |
| | Calcu | late Waste | | | |
| | FAS | T RUNNING | FAUCETS | | |
| | 2) | | oid leaks - hold an 8 ounce seconds, how long it takes | | |
| | Time in | seconds: | | | |
| | Helt of | Measurement: Gallo | ins | | |

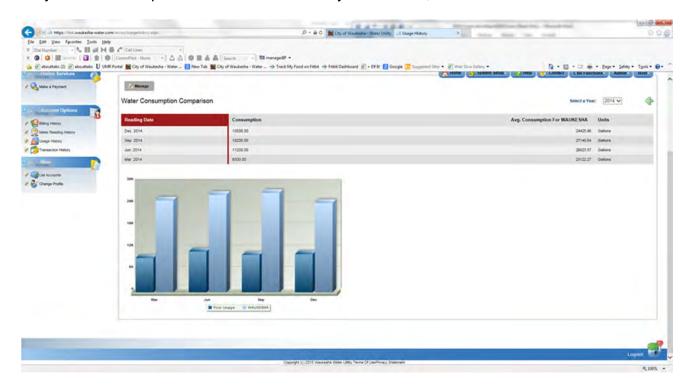
Link to AWWA's Drip Calculator

13. Web Based Consumption History and Comparisons (for all customers)

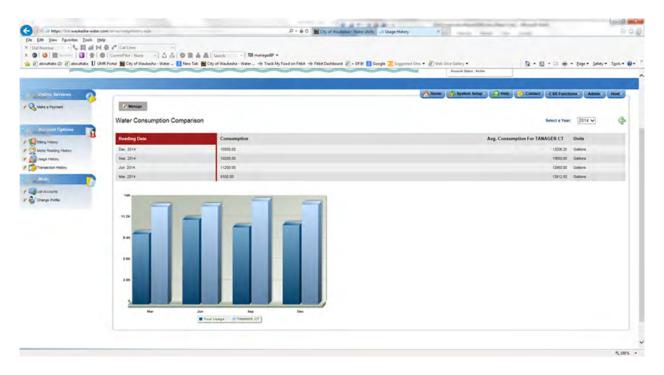
In 2014, the Utility installed Link, a system available to customers to pay their bills online. Integral to Link is the customer's ability to search transaction and consumption history. Now, a customer can compare their consumption across seasons.



They can also compare themselves to the City as a whole,



as well as to the neighbors on their street.



The Utility hopes that if a customer sees they are consuming more than their neighbors, they will begin to ask why. While there may be legitimate reasons for higher consumption, for example family size, the consumer may also touch on other habits, and with change, could lead to conservation.

14. Leak Detection & Water Audit Program

Waukesha Water Utility has a leak detection program where our Billing Department runs a Pre-Exception Report. This Pre-Exception report shows the low and high consumptions for possible stopped meters and leaks. For stop meters, our Meter Technicians go to property to check and replace the meter, if needed. For high consumptions, the Utility sends a Courtesy Postcard to notify the customer that they might have a leak; and advises them to check the leak indicator on their meter. A copy of the Courtesy Postcard is shown below.

| Service Address | |
|---|--|
| Account Number | Reading Date |
| It app | pears you are using more water |
| Water used this quarter | |
| Water used during the same quarter last year | |
| | The increase could be due to lawn sprinkling, additional residents, guests, new tenants, etc. or |
| | you might have a leak. |
| 500 | Please locate your water meter and check for movement of the diamond shaped leak indicator |
| As always, if you have | any questions, please contact us at 262 521 5272 Thank you, |
| | AUKESHA WATER UTILITY |

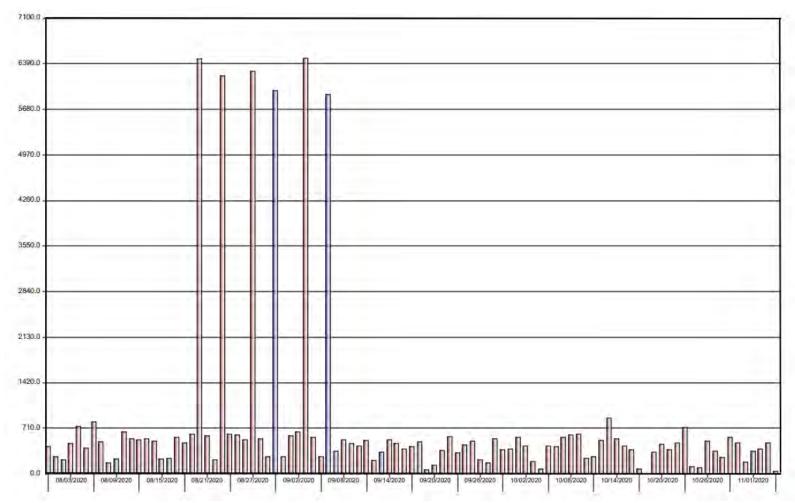
Courtesy Card Notify Customers of a Possible Leak

The Utility normally receives calls from customers after they receive the postcard. When customers call, we explain how to check their meter and toilets, etc. for leaks. Sometimes, customers will request additional help from the Utility to help find the problem.

The Utility will help customers find leaks by either conducting water audits or by running data logging reports. Water audits are conducted for single family homes, duplexes, and triplexes. Data logging reports, that show daily consumptions, are done for large multi-families, commercial, public, and industrial accounts.

In 2020, the Utility conducted 14 residential water audits and 18 data logging reports (15 for commercial customers and 3 for residential customers). The majority of the audits found that the high consumptions were related to toilet leaks.

A copy of a data logging report is shown on the following page.



Data Logging Report for a Commercial Customer Account

In addition to the Courtesy Card, Audits, and Data Logging Reports, the Utility has an informational program on its website for customers to conduct their own water audits for residential and non-residential customers; along with links to AWE's Water Audit Process Introduction, and AWWA's Free Water Audit Reporting Tool Kit. (A copy of the information on our website is shown below.)

The Utility also educates its customers about the Audit/Leak Survey program through presentations. The Utility has given presentations to the Business Alliance, Rotary Club, Southside Business Council, Wisconsin Water Conservation Coalition, and the Utility's Conservation Stakeholders Committee. All of these groups have members from the commercial, public, and industrial sectors. The Utility also shares audit/leak information at all outreach events.

Finally, any time a customer calls the Utility asking for information or has a high consumption, Waukesha Water Utility is always willing to act as a resource to help its customers.

What is a Water Audit?

Businesses

Saving Water: It's just good business

Using water efficiently is not just good for Waukesha and the environment; it's a smart business strategy. Reducing your water use can save you money on your water, wastewater and energy bills and cut on-site treatment costs. Every business is a little different, but a water audit is an easy way to start.

Water audits provide a way to inventory all water uses in your facility and identify ways to increase water use efficiency. The results can help you prioritize steps to implement cost-effective water-saving measures.

- Step One Gather data such as maps showing locations and equipment where water is used, water bills and consumption data, equipment manuals and so on
- Step Two Walk through your facility and verify water uses, estimate hours and rate of use, look for leaks and ways to reduce water use.
- leaks and ways to reduce water use

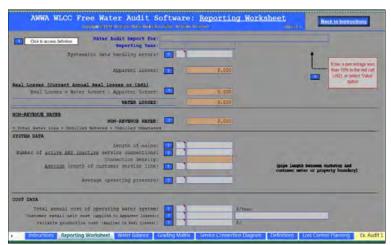
 Step Three Compare estimated water use with consumption data from water bills
- Step Four Estimate costs of fixture change-outs, new equipment or new processes and compare with estimated savings for water, wastewater and energy to calculate potential payback period
- Step Five Prepare a summary of recommended actions and implementation schedule for those actions that make economic sense

More information, see the tools on our website or call the Waukesha Water Utility at (262) 521-5272.

Information on the Utility's Website



A Link to AWE's Water Audit Process



A Link to AWWA's Water Audit Reporting Toolkit

VI. EDUCATION PROGRAMS, OUTREACH EVENTS, YOUTH GROUPS & PARTNERSHIPS

Waukesha Water Utility follows NR 852 Requirements. As a result, several educational programs have been adopted. Section A will highlight how we advertise our current water conservation programs; Section B will focus on community presentations and outreach events; and Section C will concentrate on youth education.



Tools:

The Education Programs use the following communication tools.

- [X] Website
- [X] GWA's Website Evolution uploaded in 2019 (greatwateralliance.com an information hub for the Utility's future water supply project that includes information on water conservation)
- [X] Bill Stuffers
- [X] Local Newspaper
- [X] Public Outreach & Community Meetings
- [X] School Programs
- [X] Other: Street Signs
- [X] Other: Yard Signs Brown Lawn Campaign
- [X] Other: Social Media (Twitter & Facebook)

- [X] Other: Public Giveaways: Toilet Leak Detection Tablets & Rain Gauges
- [X] Other: Brochures
- [X] Other: Bill Messages
- [X] Other: Non-Residential Giveaways: Pre-rinsed Spray Valves
- [X] Other: Customer Service in person and over the phone
- [X] Other: Neptune 12900 V4 radio/data logger
- [X] Other: City's Park and Rec Activity Guide
- [X] Other: Sink Tents
- [X] Other: City Interdepartmental Meetings
- [X] Other: Public Service Announcement (TV 25)
- [X] Other: Great Water Alliance's Newsletter
- [X] Other: City of Waukesha's Electronic Newsletter
- [X] Other: City of Waukesha's Department of Public Works Newsletter Insert
- [X] Other: Great Water Alliance Informational Video Series

A. Education Programs

In addition to the education that has already been discussed throughout this report, the Utility also utilized the following educational conservation program announcements in 2020:

- 1. Great Water Alliance Website
- 2. City of Waukesha's Electronic Newletter
- 3. Advertisement for the Toilet & Shower Head Rebate Program
- 4. Irrigation Ordinance Bill Insert
- 5. EPA WaterSense's National Fix a Leak Week
- 6. National Drinking Water Week
- 7. Tips on How to Prevent Frozen Pipes



1. Great Water Alliance Website

In 2018, the Great Water Alliance began the Website Evolution with the purpose of updating communication efforts (for the Great Lakes Water Supply program), organizing the information, making it more user-friendly, and adding more information for water conservation.

In 2019, the following information was uploaded onto the website: an update to the financial figures, using the current rates, for dollars and gallons **saved** (when changing out old appliances for water-efficient appliances); dollars and gallons **wasted** (when it comes to leaks), outdoor water conservation tips, and links to the Utility's website for information pertaining to the sprinkling ordinance, rebates, information on how to find and fix leaks, and information on rain barrels.

The following pages will show the conservation information that was added to GWA's website.





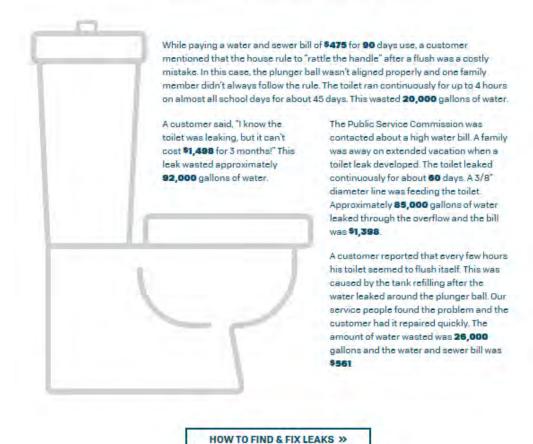
Water Conservation Information on GWA's Website - Gallons You Can Save By Replacing Old Appliances

When you click on the appliance icon, it provides information on how much water an old appliance uses versus a high-efficiency appliance.

FINDING & MEASURING leaks

When it comes to leaks, we often hear the words "but it's just a little leak."

Unfortunately, those little leaks can become very expensive. Please read the stories below. (The bill amounts have been updated using 2019 rates and assumes the average residential consumption is 12,000 gallons per quarter.)



Conservation Information on GWA's website - Finding & Measuring Leaks



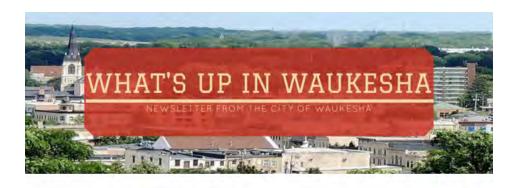
Conservation Information on GWA's website - Outdoor Conservation Tips



2. City of Waukesha's Electronic Newsletter

The City's Electronic Newsletter goes out every week to 3,532 people. In 2020, the Utility had the following conservation information listed in the E-Newsletter:

 National Drinking Water Week – where we advertised the Mayor's Proclamation along with the toilet, showerhead, and rain barrel rebate programs and provided a link to the Utility's conservation webpage.





National Drinking Water Week

This week is National Drinking Water Week. Read the Mayor's Proclamation.

You read more about the importance of water conservation here. To encourage you to conserve, the Water Utility offers the following:

- \$20 Rain Barrel rebate program
- \$100 WaterSense toilet rebate
- \$25 WaterSense shower head rebate

Waukesha Water Utility

National Drinking Water Week Advertised in the City's Electronic Newsletter

6. Advertisement of the Toilet & Shower Head Rebate Program

The Utility has publicized the toilet & shower head rebate program in the following ways: messages on bills, bill inserts, ads placed in the City Park & Recreation's Activity Guide, and rebate applications on display with Home Depot, local plumbers, and in the Utility's customer service area. Information is also posted on the Utility's website, mentioned on the Utility's social media accounts, in press releases (as shown in the Fix a Leak Week & National Drinking Water Week sections), in newsletters, and at all speaking and public outreach/educational events.

a. Messages on water bills for all customer classes

IMPORTANT INFORMATION:

"\$100 rebates are available for 1.28 gpf toilets and \$25 rebates are available for shower heads. For detailed information, please visit www.waukesha-water.com"

b. Bill Insert:

Bill inserts are sent out annually to all customer classes informing them of the 1.28 gpf toilet rebate. In addition, the bill inserts also inform customers where they can purchase rain barrels, that it is not necessary to water the lawn, toilets should be checked twice a year for leaks, and dripping faucets can usually be easily and inexpensively repaired.

Did you know...

- If you replace your old water guzzling toilet (3.5 gallon or more) with a 1.28 gpf (gallons per flush) WaterSense toilet, you may be eligible to receive a rebate from the Water Utility.
- You can purchase rain barrels through the Waukesha School District's Environmental Education Department (262-970-4333) or Retzer Nature Center (262-896-8007). Capturing rain water not only saves you money but is better for your garden, lawn, and plants because the water is not chlorinated.
- It is not necessary to water the lawn. It is natural for lawns to turn brown in the hottest months. The lawn doesn't die, it just goes dormant. The green lawn will return with the autumn rain.
- Toilets should be checked for leaks at least twice a year because they are one of the most common places where leaks occur. Hundreds of gallons of water per day can be wasted. Free Leak Detection Dye Tablets are available at the Utility.
- Dripping faucets are usually easily and inexpensively repaired by replacing the washer inside the handle. Check both internal and external faucets for leaks. See our website for videos on how to fix leaks.

For more detailed information, please visit our website at www.ci.waukesha.wi.us/waterhome

c. City's Park & Recreation Activity Guide:

The toilet and shower head rebate program was advertised in the City's Activity Guide. This Guide is on the City's website and is mailed out to approximately 30,000 homes three times a year.





2020 Winter/Spring Activity Guide



2020 Summer Activity Guide



2020 Fall Activity Guide

Toilet, Showerhead, & Rain Barrel Rebate Ad in the City's Activity Guide

7. Irrigation System Ordinance Bill Insert

Bill inserts (as shown below) are sent out on an annual basis to all customer classes informing them of the Irrigation System Ordinance.

The first sentence of the postcard has the message that established lawns do not need to be watered. The Utility knows that some customers have sprinkler systems and are going to water their lawns; therefore, the Utility's Irrigation System Ordinance requires a WaterSense irrigation controller to help customers conserve water.

In addition to the bill insert, information regarding the Ordinance is also posted on the Utility's website.





Established lawns do not need to be watered. But if you're thinking about updating or installing a new sprinkling system, check out Waukesha's Irrigation System Ordinance.

Homeowners and businesses can save between 30-50% on their summer water bills by following the Ordinance and installing a WaterSense irrigation controller.

For more detailed information, please visit our website at: www.waukesha-water.com/ord_codes.html.

Irrigation System Ordinance Postcard

Water Sense®



8. EPA's WaterSense National Fix a Leak Week

Waukesha Water Utility promoted Environmental Protection Agency (EPA) WaterSense's annual Fix a Leak Week with the following activities:

Messages were inserted on the Bills.

"March 16th - March 22nd is Fix a Leak Week

Check your winter water bill. If you use 12,000 gallons or more per month, you may have a serious leak! Learn how to fix leaks at www.waukesha-water/wtc.html."

- An Informational Sheet & Leak Detection Dye Tablets were available for distribution at the Utility.
- A Press Release.
- Information on our website's home page
- Classroom Materials on our website that teach students to check for toilet leaks.

The items, mentioned above, are shown on the following pages.







Save Money and Help Conserve Water During Fix-a-Leak Week

According to the EPA, "did you know that an American home can waste, on average, more than 10,000 gallons of water every year due to running toilets, dripping faucets, and other household leaks?"

As an EPA WaterSense partner, we encourage you to check your plumbing fixtures and irrigation systems for leaks and to repair the leaks you find during this year's national Fix a Leak Week, March 19-22, 2020.

Identify Toilet Leaks

Toilet leaks are one of the most common leaks that tend to be invisible and waste hundreds of gallons of water a day. Identify toilet leaks by placing a few drops of food coloring in the toilet. Wait for at least 15 minutes before flushing. If any color appears in the toilet bowl, you have a leak. (Be sure to flush immediately, after the experiment, to avoid staining the tank.) If you don't have food coloring, you can pick up free leak detection dye tablets from Waukesha Water Utility, located at 115 Delafield Street in Waukesha.

Find & Fix Leaks

In most instances, leaks are easy and inexpensive to fix and you benefit by saving money! For your convenience, please visit our website at www.waukesha-water.com/wtc.html for videos and tips on how to find and fix leaks.

Replace the Fixture if Necessary

Look for the WaterSense label. WaterSense products are independently tested and certified to use 20 percent less water and perform as well as or better than standard models. In addition, if you purchase a 1.28 gallon per flush WaterSense toilet, you might be eligible for a rebate.

Free Leak Detection Tablets & Fix a Leak Week Informational Sheet available at the Utility.

The Freeman - 03/20/2020 Page: A02

Public reminded of national Fix a Leak Week

WAUKESHA Waukesha Water Utility is national Fix a Leak Week.

lot of money," said Mary are one of the most common bills. leaks."

age home's indoor water rebate," the release said. consumption. The water utility recommends checking for toilet leaks at least water.com/wtc.html.

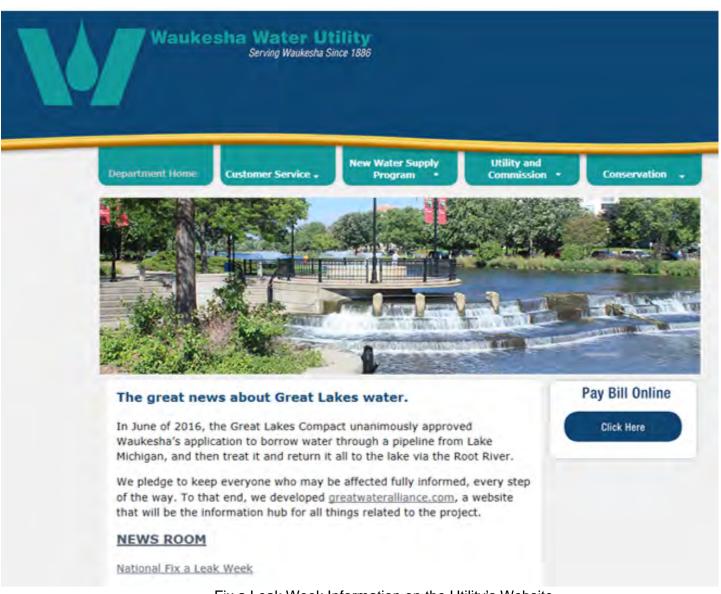
The twice a year.

According to the press reminding customers to release, replacing toilets that check for leaks during were installed before 1993 is one of the best ways to "Leaks can cost families a reduce water usage. Purchasing a 1.28 gallon per Adelmeyer, customer ser- flush toilet can save homevice coordinator. "Toilet owners about \$115 per year leaks tend to be invisible and on water and wastewater

"If you live in the city of Toilets are the main Waukesha, you may also source of water use in the qualify for the \$100 toilet home, nearly 30% of an aver-rebate and a \$25 shower head

> For more information, visit www.waukesha-

Press Release for National Fix a Leak Week



Fix a Leak Week Information on the Utility's Website



Fix a Leak Week: Student Worksheet

| Name: | | | |
|----------|--|--|--|
| ivallie. | | | |

Save Water & Money

According to the Environmental Protection Agency (EPA) WaterSense partnership program, "an American home can waste on average, more than 10,000 gallons of water every year due to running toilets, dripping faucets, and other household leaks." That can cost your family a lot of money. That is why Waukesha Water Utility encourages you to use water wisely and check your home for leaks, during this year's national Fix a Leak Week. Try the activities and math problems on both sides of this sheet to see how fast water waste adds up.

Little Leaks Waste Big Amounts of Water

| SIZE OF LEAK (Diameter) | | WATER WASTED EACH QUARTER (Assuming 60 lbs of pressure) | | |
|----------------------------|---------------|---|---------|--|
| • | 1/32" drip | 18,500 | gallons | |
| • | 1/16" trickle | 74,000 | gallons | |
| | 1/8" stream | 296,000 | gallons | |
| | 1/4" stream | 1,181,500 | gallons | |

Toilet Leaks:

Toilet leaks are one of the most common leaks. Toilet leaks tend to be invisible. <u>Hundreds of gallons</u> of water <u>a day</u> can be wasted on toilet leaks. The sound of water running in a toilet tank signals costly leakage. For this reason, it is recommended that toilets be checked for leaks at least twice each year.

Activity #1: Test All Your Toilets for Leaks, with the help of your parent.

Checking a toilet for leaks is easy!

Take lid off the back of the toilet tank.

Put ONE of the attached leak detection tablets into the tank of the toilet.

Do NOT flush the toilet.

Wait for 20 minutes.

If you have another toilet, test that toilet for leaks too by repeating the directions above. If colored water from the dye tab appears in the bowl within 20 minutes, you have a leak.

Make sure to flush the colored water as soon as the 20 minutes is up, otherwise the coloring may stain.

(Please continue on to page 2 →)

P:\Conservation\Fix a Leak Week\Student Activity Worksheet

| ctiv | ity #2: Record your Data & Calculate How Many Gallons of N | Nater Your | Toilet Uses |
|------|---|----------------|--------------------|
| 1. | How many toilets do you have? Did you test all your t | oilets for lea | ıks? |
| 2. | Does your toilet leak? (Did the dye color appear in the bowl?) | | |
| 3. | How old is your toilet? (The year of the toilet can be found on the underside of the tank lid. The date of the manufacture is often stamped | Toilet #1 | Toilet #2 |
| | into the porcelain.) | Year | Year |
| 4. | What is the size, make, and model of the toilet? (this information may be found in the toilet tank or under the tank lid.) | | |
| | Toilet #1 Make Model | - | |
| | Toilet #2 Make Model | - | |
| 5. | Using a ruler on the outside of the toilet tank, measure the wat (Be sure to $\underline{\text{measure in feet}}$ – answers maybe recorded with decimals of | | |
| | Toilet #1 Tank Length Tank Width Side Water Depth | | |
| | Toilet #2 Tank Length Tank Width Side Water Depth | | |
| 6. | Calculate how many cubic feet of water is in the tank. (Multiply Length x Width x Depth) | | cu. ft. |
| 7. | Calculate how many gallons of water your toilet uses for every flush. (Multiply the cubic feet x 7.47 = Gallons per Flush) \$100 Toilet Rebate | gals | gals. Toilet #2 |
| 8. | Is your toilet a pre-1994 toilet? (Look at your answer in #3) | | |
| 9. | Does your toilet use 3.5 gallons/flush or more? (Look at your answer in #7) | Toilet #1 | Toilet #2 |
| 10 | Does your family get a water bill from Waukesha Water Utility | Toilet #1 | Toilet #2 |
| | (Ask your parents) | | |
| 11 | If you answered yes to #8, #9, and #10, your family could be eligible to get up to \$100 per toilet for replacing their old water guzzling toilet. Is your family eligible? | | Toilet #0 |
| | | Toilet #1 | Toilet #2 |
| 12 | . Have you told your parents about this \$100 toilet rebate? | | |
| par | our family is eligible, the old toilet needs to be replaced with a WaterSens ents can call the Waukesha Water Utility at (262) 521-5272 or visit our w www.ci.waukesha.wi.us/waterhome. | | |
| | | | |
| _ | Parent Signature | | Date |

Back Side of Student Activity Sheet – on Utility's Website



9. National Drinking Water Week

May 3rd – 9th, 2020 was National Drinking Water Week. In honor of this week, the Utility had a press release that talked about the importance of protecting/conserving water.

In addition, the press release also mentioned the Mayoral Proclamation for National Drinking Water Week and reminded customers about the water conservation programs and incentives that are available through the Utility.

Information was posted on our website. Copies of these items are shown on the following pages.





Telephone: (262) 521-5272 • Fax: (262) 521-5265 • E-mail: contactus@waukeshawater.com

For Immediate Release

Water Conservation Rebates, Incentive Program, & National Drinking Water Week

Waukesha, WI – As Mayor Shawn Reilly commemorates National Drinking Water Week with a Mayoral Proclamation, Waukesha Water reminds customers about the residential water conservation rebates and the incentive program for businesses.

Waukesha Water Utility encourages water conservation with \$100 WaterSense toilet rebates and \$25 WaterSense showerhead rebates. Residents who replace their 1993 or older toilet with a 1.28 gpf (gallon per flush) WaterSense toilet, can save approximately 9,000-11,000 gallons of water per year. Replacing a 1992 or older showerhead can save approximately 2,900 gallons of water per year, and approximately 300 kwh of electricity annually.

The Utility also has \$20 rebates for rainbarrels. Harvesting rainwater is easy and a great way to conserve water. A 50-60 gallon rain barrel, which connects to a downspout to capture rain water, can collect a surprising amount of water: 1/10th of an inch of rain falling on a 1,000 square foot rooftop can fill a 50-gallon barrel. That's 50 free gallons of naturally soft, chlorine-free water, which is great for watering your flowers and plants, washing off your boots, washing the car or bike, or any other outdoor activities.

In addition to the residential rebates, the Utility has an incentive program for businesses to replace equipment with new technology to save water. In order for organizations to be eligible for an incentive, a Water Conservation Incentive Application must be submitted to the Utility; and businesses must receive approval for the project before new technology is ordered. Waukesha Water will assess the projects to determine if the project is eligible for an incentive.

Drinking Water Week is the perfect time to remind customers about the rebates and incentive program, a time when we celebrate water and remind everyone of the importance of protecting and conserving this valuable resource. To read the Mayoral Proclamation, or for more information about the rebates and the incentive program, visit the Utility's website at www.waukesha-water.com or call (262) 521-5272.

Press Release Regarding National Drinking Water Week

Office of the Mayor

Shawn N. Reilly, Mayor

reilly @waukesha-wi.gov

201 DELAFIELD STREET WAUKESHA, WISCONSIN 53188-3633 TELEPHONE 262/524-3700 FAX 262/524-3899

PROCLAMATION

National Drinking Water Week

WHEREAS, water is one of our most important natural resources; and

WHEREAS, each citizen and business in our City has a responsibility to protect and conserve water; and

WHEREAS, Waukesha has programs in place to encourage water conservation; and

WHEREAS, the Waukesha Water Utility has encouraged and will continue to encourage businesses to conserve water; and

WHEREAS, the Waukesha Water Utility offers grant money to businesses that replace equipment with new technology that saves water; and

WHEREAS, the Waukesha Water Utility encourages and provides \$100 rebates to residents to replace all pre-1994 toilets with 1.28 gpf WaterSense toilets, as well as, \$25 WaterSense showerhead rebates, and \$20 rain barrel rebates; and

WHEREAS, all citizens and businesses are urged to comply with all sprinkling and irrigation system ordinances; and

WHEREAS, we are all stewards of our water resources and infrastructure so that future generations will also have clean sustainable water; and

WHEREAS, Waukesha is about to begin construction of the historic Great Water Alliance project for Lake Michigan water, ensuring that our drinking water supply will be sustainable and reliable for generations to come:

NOW THEREFORE, I, Shawn Reilly, Mayor of the City of Waukesha, proclaim May 3rd to May 9th, 2020 as

DRINKING WATER WEEK

And ask that we recognize the essential role that drinking water plays in our daily lives.

Signed this 5th day of May 2020.

Shawn N. Reilly, Mayor

City of Waukesha

www.waukesha-wi.gov

Mayoral Proclamation for National Drinking Water Week

10. Tips on How to Prevent Water Pipes from Freezing & Breaking

Broken water pipes waste a lot of water. To prevent pipes from freezing and breaking, the Utility puts the annual press release in the Waukesha Freeman, on the Utility's website, facebook page, and on the City's TV 25 local government and events channel.

In 2020, the weather did not reach freezing temperatures until 2021. Therefore, we did not advertise our annual *How to Prevent Freezing Pipes* information in 2020.

B. Community Presentations & Public Outreach Events

In 2020, because of the COVID pandemic, there were only a few community presentations and public outreach events and they include the following:

- 1. Waukesha Janboree Pancake Breakfast
- 2. City Interdepartmental Meetings
- 3. In Person Meetings with the Staff of 3 Senators
- 4. Presentation for the Global Water Meeting with the UK
- 5. Presentation for the Danish Water Technology Alliance
- 6. Presentation for University of Wisconsin Milwaukee UWM Public Work Admin Master's Class
- 7. Interview with Great Lakes Now (DPTV)
- 8. Attended Conference Wi Public Utility Instruction Connecting Water Conservation & Efficiency to Affordability.

The detailed information pertaining to this year's presentations and outreach events follows.



Waukesha Water Utility's Conservation Booth at Waukesha's Janboree Pancake Breakfast

1. Waukesha Janboree Pancake Breakfast - Water Conservation Booth

The City of Waukesha had its annual winter Janboree and Pancake Breakfast. Approximately 600 people attend this event. The Utility had a conservation educational booth and an informational sign regarding the 1.28 gpf WaterSense toilet rebate.



Interdepartment Group Meeting 2020

2. Interdepartmental "IN" Meetings

Every other month, the City holds interdepartmental meetings. Each department takes turn hosting the meeting. The purpose of the meetings are to get to know the other City departments, find out what each department does, and get a department update.

In early 2020, Waukesha Water Utility hosted the IN meeting, gave a department update, and shared information about the rebates, gave the attendees toilet leak tablets, and information on how to find and fix leaks for National Fix a Leak Week. Due to the pandemic, this was the only IN meeting that was held for 2020.







3. <u>In-Person Meetings with Staff Members for Senators Johnson, Sensenbrenner, and</u> Baldwin

Waukesha Water Utility's General Manager, Dan Duchniak, met with staff members for Senator Ron Johnson, Senator James Sensenbrenner, and Senator Tammy Baldwin to discuss the Great Water Alliance Waukesha water project.

Dan talked with the staff members about Waukesha's current and future water source. He talked about Waukesha's sustainability/quality issues, the return flow - how Waukesha will return 100% of the water back to Lake Michigan, Waukesha's water conservation programs, project costs, future rates, and about Waukesha applying for the Water Infrastructure Finance and Innovation Act (WIFIA) low-interest, federally subsidized loan.



4. Presentation for the Global Water Meeting with the UK

Dan Duchniak gave a presentation for The Water Council's Global Water Meeting with the UK. He talked about the reason Waukesha needs a new water source. He explained that Waukesha's aquifer is not sustainable and its wells are 3 times the limit set by the EPA for radium.

He also talked about Waukesha's conservation program and the Diversion Application and approval process. He also talked about the benefits of a new water supply, the permitting process, the rate projections, and the transition plan.

5. Presentation for the Danish Water Technology Alliance

Dan Duchniak gave a presentation for the Danish Water Technology Alliance at The Water Council's Global Water Meeting. The presentation was in regards to water sustainability, safe drinking water, and Waukesha's new future water source.

Dan began the presentation talking about Waukesha's current water supply. He talked about the condition of Waukesha's aquifer – that the recharge is limited due to a confining layer of shale, the water levels have declined, and the quality has changed.

Once the water quality and sustainability issues were communicated, then Dan talked about Waukesha's conservation program and gave an overview of the Diversion Application, the approval process, and the development of the new water supply.



6. <u>Presentation to UW-Milwaukee's Public Administration Master's Class</u>

Dan Duchniak gave a presentation at University of Wisconsin – Milwaukee's Public Administration Master's class regarding Waukesha's Water Project and Intergovernmental Negotiations.

Dan began the presentation talking about the reasons Waukesha needs a new water supply. He talked about Waukesha's sustainability issues - that the aquifer formation restricts recharge and contributes to groundwater decline; that we are located near environmentally sensitive areas where pumping shallow wells would adversely impact wetlands and streams; and reverse osmosis treatment for radium would waste about 20% of water, which would increase demands and drawdown.

Dan also talked about Waukesha being a water conservation leader with conservation water rates, daytime sprinkling ban, financial incentives for fixture replacement, public education, and more.

Once the water sustainability/quality issues were communicated, along with what Waukesha is doing to encourage water conservation, then Dan also talked about the alternative water sources that were analyzed, the Diversion & Application process, the costs involved, and the partnerships that have been created. He also addressed implementation issues, pipeline routes, future rates, and provided a project status.





7. Interview with Great Lakes Now Detroit Public TV

Waukesha Water Utility's General Manager, Dan Duchniak, was interviewed by *Great Lakes Now*. The interview was about the Lake Michigan Water Pipeline and Waukesha receiving a federal loan for the water supply project.

Dan Duchniak talked about Waukesha's sustainability/quality issues and Waukesha's future water source. Dan also talked about the past opposition to the Lake Michigan project, and talked about the 2008 Great Lakes Compact requirements - how Waukesha needs to return 100% of the water it withdraws back to the Lake. He also talked about the cost of the project, that the rates will need to increase, and how the federal loan will offer significant savings.



8. Wisconsin Public Utility Institute - Water Affordability Conference

Dan Duchniak, the Utility's General Manager, attended the Wisconsin Public Utility Institute's Water Affordability web conference.

One of the topics that was repeatedly mentioned was connecting water conservation and efficiency to affordability. Some of the speakers also talked about how water utilities can learn from energy companies regarding their efficiency and customer assistance programs; and how those programs could possibly be adapted to water services.

C. Water Education with the Youth - Tomorrow's Future

Waukesha Water Utility plans for the future by educating our youth.



1. Waukesha School District's 5th Graders

For the past 30 years, Waukesha Water Utility has partnered with the Waukesha School District to provide water education to all 5th graders. As part of their Environmental & Science Curriculum, the students study the natural cycles of water and the human impact on our water resources. Thousands of students have toured the Utility's pumping station. At the station, they learn about the following:

- the water cycle
- where their water comes from
- how their water is treated and distributed
- the quality and quantity of the water they use
- conservation methods that use water resources in a sustainable manner
- the costs of municipal water, and its value compared to bottled water

The students also explore the natural cycles of water by spending a day in the Fox River Sanctuary investigating the chemical and biological components of the river and marsh.

In 2020, due to the pandemic and schools being closed or held remotely, the water education classes did not occur.





2. Waukesha County Boy Scouts

In 2020, Waukesha Water Utility partnered with the Waukesha County Boy Scouts, for the eighth year, to help the boys earn their Soil and Water Conservation Merit Badge. Normally the Boy Scouts tour the water pumping facilities; however, due to the pandemic, for social distancing purposes, the County held the classes at the Learning Center at Waukesha County Retzer Nature Center.

By the number of boys that signed up for this tour, the picture aboves shows that there was a lot of interest in learning about water.

According to the Boy Scouts of America (BSA), in order to earn this badge, the boys need to learn "about the natural resources on which our lives depend, so that we can help make sure that these resources are used intelligently and cared for properly."

The water portion requirements of the badge program, as stated in their *Soil & Water Conservation Merit Badge Series* BSA No. 610016, are the following:

- Take a tour of a public drinking water treatment plant,
- Explain what a watershed is,
- Make a drawing to show the hydrologic cycle,
- Tell what is meant by water pollution and describe common sources, and
- Write a report of more than 500 words about the soil, water, and energy conservation practices.

The Utility's water education presentation covered all the above required water topics, including pictures of the water treatment plant and the distribution process.

D. Partnerships

Waukesha Water Utility has many partnerships. Below are some of the partnerships that, in some way, have already been mentioned throughout the report.





















Boy Scouts of America

VII. WATER LOSSES AND ACCOUNTED FOR WATER

Per NR 852.04 and PSC 185 the Utility performs and documents water use audits on a monthly basis. A summary of 2020 is as follows. Data is entered into the format below.

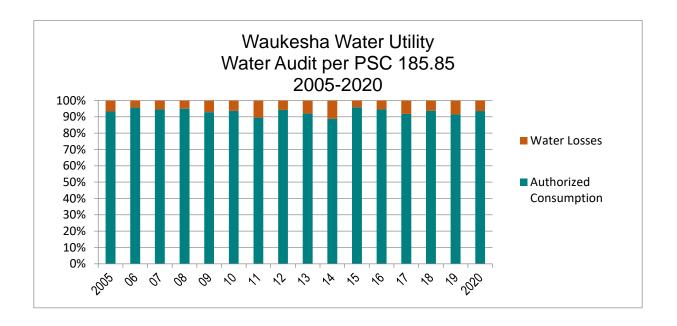
| Data Inpu | t | |
|-----------|----------------------------------|---------------|
| | | 2020 Total |
| | Sales - Metered | 1,790,616,850 |
| | Sales - Est. Consumption | 0 |
| | • | |
| | Plant | 151,800 |
| | Water Analyzer Water Flow (9) | 793,920 |
| | Filter Back wash | |
| | # 3 | 3,542,000 |
| | # 8 | 4,309,000 |
| | # 10 | 5,593,000 |
| | Flushing | |
| | Mains | 0 |
| | Services | 0 |
| | | |
| | Main Breaks | 1,245,000 |
| | Morgan Ave | 0 |
| | Service Breaks | 1,500,000 |
| | Filling Mains / New Construction | 465,300 |
| | Fire (524-3647) | 312,200 |
| | | |
| | Misc: Specify | |
| | Cleaned Saylesville Reserv | 0 |
| | Well #10 Filter Rehab | 22,500 |
| | Elminate 16" valve on North St | 0 |
| | Hydrant Repairs | 44,650 |
| | Hydrant Replacement | 10,350 |
| | Hydrant Surveys | 24,940 |
| | Valve replacements (2) | 34,500 |
| | Fire Flow Test | 12,930 |
| | Leakage & Overflows at Towers | 78,237 |
| | Total Pumped | 1,933,288,000 |

Then the raw data is converted into the Water Balance categories specified in PSC 185.

| Water Ba | alance | |
|---------------------------|--|---------------------------|
| | | 2020 Total |
| | System Input Volume = | 1,933,288,000 |
| | Authorized Consumption = | 1,810,145,940 |
| | Water Losses = | 123,142,060 |
| | | 1,933,288,000 |
| | Authorized - Billed = | 1,790,616,850 |
| | Authorized - UnBilled = | 19,529,090 120,318,823 |
| | Losses - Apparent = Losses - Real = | 2,823,237 |
| | | 1,933,288,000 |
| | | |
| ion ² | Billed & Metered | 1,790,616,850 |
| izec mpt | Billed & UnMetered | 19 601 720 |
| Authorized Consumption | UnBilled & Metered | 18,601,720 |
| Aut Co | UnBilled & UnMetered | 927,370 |
| | Unauthorized Consumption | 120,318,823 |
| es | Meter Inaccuracies | |
| SSC | Data Handling Errors | |
| r L | Main Breaks | 1,245,000 |
| Water Losses | Leakage & Overflows at Towers | 78,237 |
| | Service Breaks | 1,500,000 |
| | | 1,933,288,000 |
| | | |
| | Revenue Water = | 1,790,616,850 |
| | Non Revenue Water = | 142,671,150 |
| | | 1,933,288,000 |

The summary, above, indicates that in 2020, 6.4% of the Utility's water was lost. This loss is far less than the 15% that has historically triggered a comprehensive survey and corrective action plan.

The stability of the statistics over the last sixteen years and the data itself is indicative of a diligently maintained distribution system. (The Utility reformatted its data from 2005 forward so that its display is consistent with the 2012 requirements.) Accounted for Water ranges between 88.8% and 95.9%.



The results are achieved because the Utility routinely repairs and replaces water services, hydrants and valves. In 2015, the Utility initiated Hydrant Leak Surveys as part of its semi-annual flushing program.

In 2020, the Utility staff surveyed 1,234 hydrants. Ten hydrants were found to be leaking and were repaired immediately.

In addition, the Utility replaced 10,551 feet of water main in 2020 compared to 16,233.8 feet in 2019. AWWA's 1% replacement goal represents roughly 17,608 feet.

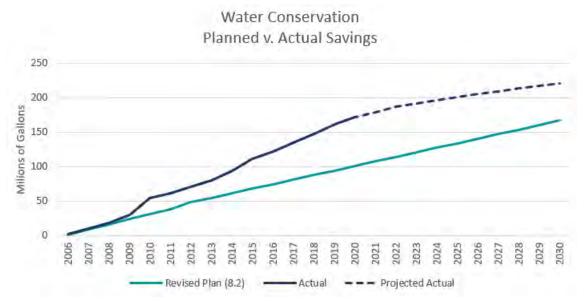
VIII. CONCLUSION

| | MILLIONS OF GALLONS | | | | | | | | | | | | _ |
|----------------|---------------------|---------|-------|-----|--------|------|------|------|------|------|------|-------|---|
| | | | | 7.8 | | 9.0 | 10.0 | 11.0 | 12.0 | | | | |
| | | Avg Day | | to | 8.8 to | to | to | to | to | | | Peak | |
| Year | Annual Pumpage | Pumpage | < 7.8 | 8.8 | 9.0 | 10.0 | 11.0 | 12.0 | 13.0 | >7.8 | >8.8 | Day | Notes |
| Number of Days | | | | | | | | | | | | | |
| 2020 | 1,933,288 | 5,282 | 365 | 1 | - | - | - | - | - | 1 | - | 8.14 | |
| 2019 | 2,039,436 | 5,587 | 365 | - | - | - | - | - | - | - | - | 7.72 | |
| 2018 | 2,068,522 | 5,667 | 362 | 3 | - | - | - | - | - | 3 | - | 8.50 | |
| 2017 | 2,128,111 | 5,830 | 365 | - | - | - | - | - | - | - | - | 7.55 | |
| 2016 | 2,172,548 | 5,952 | 362 | 3 | - | - | - | - | - | 3 | - | 8.17 | |
| 2015 | 2,218,214 | 6,077 | 358 | 7 | - | - | - | - | - | 7 | - | 8.72 | Mild summer temperatures |
| 2014 | 2,314,582 | 6,341 | 340 | 21 | 2 | 1 | 1 | - | - | 25 | 4 | 10.14 | Feb 6th Water Runs |
| 2013 | 2,348,955 | 6,435 | 346 | 15 | 2 | 2 | - | - | - | 19 | 4 | 9.06 | |
| 2012 | 2,536,368 | 6,930 | 297 | 38 | 3 | 22 | 6 | - | - | 69 | 31 | 10.77 | Drought Year |
| 2011 | 2,545,099 | 6,973 | 318 | 44 | 1 | 2 | - | - | - | 47 | 3 | 9.22 | |
| 2010 | 2,441,221 | 6,688 | 342 | 23 | - | - | - | - | - | 23 | - | 8.65 | Fairly Rainy Summer |
| 2009 | 2,479,905 | 6,794 | 330 | 32 | 2 | 1 | - | - | - | 35 | 3 | 9.35 | 2nd set inclining rates blocks - June |
| 2008 | 2,528,933 | 6,910 | 328 | 30 | 6 | 2 | - | - | - | 38 | 8 | 9.93 | Spring Flooding |
| 2007 | 2,618,641 | 7,174 | 292 | 51 | 8 | 14 | - | - | - | 73 | 22 | 9.79 | Inclining rate blocks - June; Dry year except Aug |
| 2006 | 2,622,418 | 7,185 | 294 | 61 | 1 | 8 | 1 | - | - | 71 | 10 | 10.23 | Rainy Year; Sprinkling ordinance in effect |
| 2005 | 2,838,403 | 7,776 | 225 | 78 | 6 | 28 | 18 | 7 | 3 | 140 | 62 | 12.87 | Dry Year |

The data, above, shows the combined effect of our conservation programs. Over time:

- a. Total water pumped has steadily declined
- b. Average day pumpage has steadily declined
- c. The number of days where >7.8 million gallons needed to be pumped has decreased from a high of 140 in 2005 to a low of 0 in 2017 and 2019.

Ultimately, the Utility must compare it's savings to that of the 2012 Conservation Plan. The plan predicted savings of 167,100,000 by the year 2030. The actual and projected savings are below.



If it stays on track, the Utility will exceed its goal of saving 0.8 mgd by 2050.