



WATER, ELECTRIC, OR JOINT UTILITY ANNUAL REPORT

OF

MILWAUKEE WATER WORKS

841 N BROADWAY RM 409
MILWAUKEE, WI 53202-3613

For the Year Ended: DECEMBER 31, 2019

TO

PUBLIC SERVICE COMMISSION OF WISCONSIN

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

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

Filed: 04/20/2020

Water Service Started Date: 11/03/1873

DNR Public Water System ID: 24101000

Safe Drinking Water Information System (SDWIS) Total Population Served: 647290

I **MENBERE W. MEDHIN, FINANCIAL MANAGER** of **MILWAUKEE WATER WORKS**, 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: **7/10/2020**

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Identification and Ownership - Contacts

Utility employee in charge of correspondence concerning this report

Name: Sergio Elizalde Ortiz

Title: Accountant III

Mailing Address: 841 N. Broadway - Room 409
Milwaukee, WI 53202

Phone: (414) 286-2081

Email Address: Sergio.ElizaldeOrtiz@milwaukee.gov

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: Karen Dettmer

Title: Superintendent

Mailing Address: 841 N. Broadway - Room 409
Milwaukee, WI 53202

Phone: (414) 286-2801

Email Address: Karen.Dettmer@milwaukee.gov

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

Name: Jeffrey S. Polenske

Title: Commissioner of Public Works

Mailing Address: 841 N. Broadway - Room 516
Milwaukee, WI 53202

Phone: (414) 286-3301

Email Address: jpolen@milwaukee.gov

Contact person for cybersecurity issues and events

Name: David Kaminski

Title: Information Technology Manager

Mailing Address: 841 N. Broadway - Room 409
Milwaukee, WI 53202

Phone: (414) 286-8253

Email Address: David.Kaminski@milwaukee.gov

Identification and Ownership - Governing Authority and Audit Information

Utility Governing Authority

Select the governing authority for this utility.

Reports to utility board/commission

Reports directly to city/village council

Audit Information

Are utility records audited by individuals or firms other than utility employees? Yes No

Date of most recent audit report: 07/24/2019

Period covered by most recent audit: 2018

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

Name: Gwen Zech

Title: Manager - Energy and Utilities

Organization Name: Baker Tilly Virchow Krause, LLP

USPS Address: Ten Terrace Ct. PO Box 7398

City State Zip Madison, WI 53707-7398

Telephone: (608) 240-2443

Email Address: gwen.zech@bakertilly.com

Report Preparation

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

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

Income Statement

Particulars (a)	This Year (b)	Last Year (c)	
UTILITY OPERATING INCOME			1
Operating Revenues (400)	94,165,533	95,497,777	2
Operating Expenses:			3
Operation and Maintenance Expense (401-402)	47,270,556	55,209,454	4
Depreciation Expense (403)	15,728,696	14,955,058	5
Amortization Expense (404-407)	0	0	6
Taxes (408)	13,820,222	13,908,756	7
Total Operating Expenses	76,819,474	84,073,268	8
Net Operating Income	17,346,059	11,424,509	9
Income from Utility Plant Leased to Others (412-413)			10
Utility Operating Income	17,346,059	11,424,509	11
OTHER INCOME			12
Income from Merchandising, Jobbing and Contract Work (415-416)	249,366	111,362	13
Income from Nonutility Operations (417)			14
Nonoperating Rental Income (418)			15
Interest and Dividend Income (419)	155,060	214,500	16
Miscellaneous Nonoperating Income (421)	4,074,095	5,887,525	17
Total Other Income	4,478,521	6,213,387	18
Total Income	21,824,580	17,637,896	19
MISCELLANEOUS INCOME DEDUCTIONS			20
Miscellaneous Amortization (425)	(811,326)	(811,326)	21
Other Income Deductions (426)	5,503,172	6,372,656	22
Total Miscellaneous Income Deductions	4,691,846	5,561,330	23
Income Before Interest Charges	17,132,734	12,076,566	24
INTEREST CHARGES			25
Interest on Long-Term Debt (427)	695,067	981,191	26
Amortization of Debt Discount and Expense (428)			27
Amortization of Premium on Debt--Cr. (429)			28
Interest on Debt to Municipality (430)	703,013	396,307	29
Other Interest Expense (431)	0	0	30
Interest Charged to Construction--Cr. (432)		1,300,000	31
Total Interest Charges	1,398,080	77,498	32
Net Income	15,734,654	11,999,068	33
EARNED SURPLUS			34
Unappropriated Earned Surplus (Beginning of Year) (216)	439,206,687	467,677,507	35
Balance Transferred from Income (433)	15,734,654	11,999,068	36
Miscellaneous Credits to Surplus (434)	25,492		37
Miscellaneous Debits to Surplus--Debit (435)		40,469,888	38
Appropriations of Surplus--Debit (436)			39
Appropriations of Income to Municipal Funds--Debit (439)			40
Total Unappropriated Earned Surplus End of Year (216)	454,966,833	439,206,687	41

Income Statement Account Details

- Report each item (when individually or when like items are combined) greater than \$10,000 (class AB), \$5,000 (class C) and \$2,000 (class D) and all other lesser amounts grouped as Miscellaneous. Describe fully using other than account titles.
- Nonregulated sewer income should be reported as Miscellaneous Nonoperating Income, Account 421.
- If amount of Contributed Plant – Water (421) does not match the total Additions During Year entered on Water Utility Plant in Service – Plant Financed by Contributions, please 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				1
Operating Revenues (400)				2
Derived	94,165,533		94,165,533	3
Total (Acct. 400)	94,165,533	0	94,165,533	4
Operation and Maintenance Expense (401-402)				5
Derived	47,270,556		47,270,556	6
Total (Acct. 401-402)	47,270,556	0	47,270,556	7
Depreciation Expense (403)				8
Derived	15,728,696		15,728,696	9
Total (Acct. 403)	15,728,696	0	15,728,696	10
Amortization Expense (404-407)				11
Derived	0		0	12
Total (Acct. 404-407)	0	0	0	13
Taxes (408)				14
Derived	13,820,222		13,820,222	15
Total (Acct. 408)	13,820,222	0	13,820,222	16
TOTAL UTILITY OPERATING INCOME	17,346,059	0	17,346,059	17
OTHER INCOME				18
Income from Merchandising, Jobbing and Contract Work (415-416)				19
Derived	249,366	0	249,366	20
Total (Acct. 415-416)	249,366	0	249,366	21
Interest and Dividend Income (419)				22
INVESTMENTS	155,060		155,060	23
Total (Acct. 419)	155,060	0	155,060	24
Miscellaneous Nonoperating Income (421)				25
Contributed Plant - Water		4,074,095	4,074,095	26
Impact Fees - Water			0	27
Total (Acct. 421)	0	4,074,095	4,074,095	28
TOTAL OTHER INCOME	404,426	4,074,095	4,478,521	29
MISCELLANEOUS INCOME DEDUCTIONS				30
Miscellaneous Amortization (425)				31
Regulatory Liability (253) Amortization	(811,326)		(811,326)	32
Total (Acct. 425)	(811,326)	0	(811,326)	33
Other Income Deductions (426)				34
Depreciation Expense on Contributed Plant - Water		1,714,849	1,714,849	35
MAINTENANCE & NONUTILITY PLANT DEPRECIATION	3,788,323		3,788,323	36
Total (Acct. 426)	3,788,323	1,714,849	5,503,172	37
TOTAL MISCELLANEOUS INCOME DEDUCTIONS	2,976,997	1,714,849	4,691,846	38
INTEREST CHARGES				39

Income Statement Account Details

- Report each item (when individually or when like items are combined) greater than \$10,000 (class AB), \$5,000 (class C) and \$2,000 (class D) and all other lesser amounts grouped as Miscellaneous. Describe fully using other than account titles.
- Nonregulated sewer income should be reported as Miscellaneous Nonoperating Income, Account 421.
- If amount of Contributed Plant – Water (421) does not match the total Additions During Year entered on Water Utility Plant in Service – Plant Financed by Contributions, please 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)	
Interest on Long-Term Debt (427)				40
Derived	695,067		695,067	41
Total (Acct. 427)	695,067	0	695,067	42
Interest on Debt to Municipality (430)				43
Derived	703,013		703,013	44
Total (Acct. 430)	703,013	0	703,013	45
Other Interest Expense (431)				46
Derived	0		0	47
Total (Acct. 431)	0	0	0	48
TOTAL INTEREST CHARGES	1,398,080	0	1,398,080	49
NET INCOME	13,375,408	2,359,246	15,734,654	50
EARNED SURPLUS				51
Unappropriated Earned Surplus (Beginning of Year) (216)				52
Derived	347,133,571	92,073,116	439,206,687	53
Total (Acct. 216)	347,133,571	92,073,116	439,206,687	54
Balance Transferred from Income (433)				55
Derived	13,375,408	2,359,246	15,734,654	56
Total (Acct. 433)	13,375,408	2,359,246	15,734,654	57
Miscellaneous Credits to Surplus (434)				58
Adjustment of 2018 Net Income	25,492		25,492	59
Total (Acct. 434)	25,492	0	25,492	60
UNAPPROPRIATED EARNED SURPLUS (END OF YEAR)	360,534,471	94,432,362	454,966,833	61

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

Particulars (a)	Water (b)	Electric (c)	Gas (d)	Sewer (e)	Total (f)	
Revenues						1
Revenues (account 415)	380,339				380,339	2
Cost and Expenses of Merchandising, Jobbing and Contract Work (416)						3
Cost of merchandise sold					0	4
Payroll	41,625				41,625	5
Materials	89,348				89,348	6
Taxes					0	7
Total costs and expenses	130,973	0	0	0	130,973	8
Net Income (or loss)	249,366	0	0	0	249,366	9

Revenues Subject to Wisconsin Remainder Assessment

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

Description (a)	Water Utility (b)	Electric Utility (c)	Gas Utility (d)	Sewer Utility (Regulated Only (e)	Total (f)	
Total operating revenues	94,165,533				94,165,533	1
Less: interdepartmental sales	0				0	2
Less: interdepartmental rents	0				0	3
Less: return on net investment in meters charged to regulated sewer department. (Do not report if nonregulated sewer.)					0	4
Less: uncollectibles directly expensed as reported in water acct. 904 (690 class D), sewer acct. 843, and electric acct. 904 -or- Net write-offs when Accumulated Provision for Uncollectible Accounts (acct. 144) is maintained	220,898				220,898	5
Revenues subject to Wisconsin Remainder Assessment	93,944,635	0	0	0	93,944,635	6

Distribution of Total Payroll

- Amounts charged to Utility Financed and to Contributed Plant accounts should be combined and reported in plant or accumulated depreciation accounts.
- Amount originally charged to clearing accounts as shown in column (b) should be shown as finally distributed in column (c).
- The amount for clearing accounts in column (c) is entered as a negative for account "Clearing Accounts" and the distributions to accounts on all other lines in column (c) will be positive with the total of column (c) being zero.
- Provide additional information in the schedule footnotes when necessary.
- 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	15,569,709		15,569,709	1
Electric operating expenses			0	2
Gas operating expenses			0	3
Heating operating expenses			0	4
Sewer operating expenses			0	5
Merchandising and jobbing	41,625		41,625	6
Other nonutility expenses			0	7
Water utility plant accounts	4,715,850		4,715,850	8
Electric utility plant accounts			0	9
Gas utility plant accounts			0	10
Heating utility plant accounts			0	11
Sewer utility plant accounts			0	12
Accum. prov. for depreciation of water plant			0	13
Accum. prov. for depreciation of electric plant			0	14
Accum. prov. for depreciation of gas plant			0	15
Accum. prov. for depreciation of heating plant			0	16
Accum. prov. for depreciation of sewer plant			0	17
Clearing accounts			0	18
All other accounts			0	19
Total Payroll	20,327,184	0	20,327,184	20

Full-Time Employees (FTE)

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

Industry (a)	FTE (b)	
Water	341.0	1
Electric		2
Gas		3
Sewer		4

Balance Sheet

Assets and Othe Debits (a)	Balance End of Year (b)	Balance First of Year (c)	
ASSESTS AND OTHER DEBITS			1
UTILITY PLANT			2
Utility Plant (101)	833,178,920	798,229,183	3
Less: Accumulated Provision for Depreciation and Amortization of Utility Plant (111)	300,574,435	287,670,178	4
Utility Plant Acquisition Adjustments (117-118)	0	0	5
Other Utility Plant Adjustments (119)	0	0	6
Net Utility Plant	532,604,485	510,559,005	7
OTHER PROPERTY AND INVESTMENTS			8
Nonutility Property (121)	4,293,160	4,293,160	9
Less: Accumulated Provision for Depreciation and Amortization of Nonutility Property (122)	1,337,467	1,198,321	10
Investment in Municipality (123)	0	0	11
Other Investments (124)	0	0	12
Sinking Funds (125)	0	0	13
Depreciation Fund (126)	0	0	14
Other Special Funds (128)	0	0	15
Total Other Property and Investments	2,955,693	3,094,839	16
CURRENT AND ACCRUED ASSETS			17
Cash (131)	8,062	23,098	18
Special Deposits (134)	0	0	19
Working Funds (135)	2,300	2,600	20
Temporary Cash Investments (136)	21,514,004	23,904,978	21
Notes Receivable (141)	0	0	22
Customer Accounts Receivable (142)	17,291,983	18,343,827	23
Other Accounts Receivable (143)	699,114	699,114	24
Accumulated Provision for Uncollectible Accounts- -Cr. (144)	862,350	784,248	25
Receivables from Municipality (145)	0	0	26
Plant Materials and Operating Supplies (154)	3,537,799	3,467,118	27
Merchandise (155)	0	0	28
Other Materials and Supplies (156)	0	0	29
Stores Expense (163)	0	0	30
Prepayments (165)	2,035,874	1,963,454	31
Interest and Dividends Receivable (171)	0	0	32
Accrued Utility Revenues (173)	13,912,413	13,524,696	33
Miscellaneous Current and Accrued Assets (174)	14,491,558	5,596,743	34
Total Current and Accrued Assets	72,630,757	66,741,380	35
DEFERRED DEBITS			36
Unamortized Debt Discount and Expense (181)	0	0	37
Extraordinary Property Losses (182)	0	0	38
Preliminary Survey and Investigation Charges (183)	0	0	39
Clearing Accounts (184)	0	0	40
Temporary Facilities (185)	0	0	41
Miscellaneous Deferred Debits (186)	6,722,513	141,759	42
Total Deferred Debits	6,722,513	141,759	43
TOTAL ASSETS AND OTHER DEBITS	614,913,448	580,536,983	44

Balance Sheet

Liabilities and Othe Credits (a)	Balance End of Year (b)	Balance First of Year (c)	
LIABILITIES AND OTHER CREDITS			1
PROPRIETARY CAPITAL			2
Capital Paid in by Municipality (200)	964,415	964,415	3
Appropriated Earned Surplus (215)	0	0	4
Unappropriated Earned Surplus (216)	454,966,833	439,206,687	5
Total Proprietary Capital	455,931,248	440,171,102	6
LONG-TERM DEBT			7
Bonds (221)	60,136,714	40,583,314	8
Advances from Municipality (223)	10,974,201	18,463,140	9
Other Long-Term Debt (224)	0	0	10
Total Long-Term Debt	71,110,915	59,046,454	11
CURRENT AND ACCRUED LIABILITIES			12
Notes Payable (231)	0	0	13
Accounts Payable (232)	3,676,350	2,570,751	14
Payables to Municipality (233)	(5,971,026)	(483,961)	15
Customer Deposits (235)	0	0	16
Taxes Accrued (236)	0	0	17
Interest Accrued (237)	244,585	205,720	18
Tax Collections Payable (241)	0	0	19
Miscellaneous Current and Accrued Liabilities (242)	86,676,074	74,970,289	20
Total Current and Accrued Liabilities	84,625,983	77,262,799	21
DEFERRED CREDITS			22
Unamortized Premium on Debt (251)	0	0	23
Customer Advances for Construction (252)	0	0	24
Other Deferred Credits (253)	3,245,302	4,056,628	25
Total Deferred Credits	3,245,302	4,056,628	26
OPERATING RESERVES			27
Property Insurance Reserve (261)	0	0	28
Injuries and Damages Reserve (262)	0	0	29
Pensions and Benefits Reserve (263)	0	0	30
Miscellaneous Operating Reserves (265)	0	0	31
Total Operating Reserves	0	0	32
TOTAL LIABILITIES AND OTHER CREDITS	614,913,448	580,536,983	33

Net Utility Plant

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

Particulars (a)	Water (b)	Electric (c)	Gas (d)	Sewer (e)	
First of Year					1
Total Utility Plant - First of Year	798,229,183	0	0	0	2
	798,229,183	0	0	0	3
Plant Accounts					4
Utility Plant in Service - Financed by Utility Operations or by the Municipality (101.1)	664,735,675				5
Utility Plant in Service - Contributed Plant (101.2)	111,229,728				6
Utility Plant Purchased or Sold (102)					7
Utility Plant Leased to Others (104)					8
Property Held for Future Use (105)					9
Completed Construction not Classified (106)	48,970,963				10
Construction Work in Progress (107)	8,242,554				11
Total Utility Plant	833,178,920	0	0	0	12
Accumulated Provision for Depreciation and Amortization					13
Accumulated Provision for Depreciation of Utility Plant in Service - Financed by Utility Operations or by the Municipality (111.1)	270,401,048				14
Accumulated Provision for Depreciation of Utility Plant in Service - Contributed Plant (111.2)	30,173,387				15
Accumulated Provision for Depreciation of Utility Plant Leased to Others (112)					16
Accumulated Provision for Depreciation of Property Held for Future Use (113)					17
Accumulated Provision for Amortization of Utility Plant in Service (114)					18
Accumulated Provision for Amortization of Utility Plant Leased to Others (115)					19
Accumulated Provision for Amortization of Property Held for Future Use (116)					20
Total Accumulated Provision	300,574,435	0	0	0	21
Accumulated Provision for Depreciation and Amortization					22
Utility Plant Acquisition Adjustments (117)					23
Accumulated Provision for Amortization of Utility Plant Acquisition Adjustments (118)					24
Other Utility Plant Adjustments (119)					25
Total Other Utility Plant Accounts	0	0	0	0	26
Net Utility Plant	532,604,485	0	0	0	27

Net Utility Plant

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

Net Utility Plant (Page F-08)

General Footnote

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

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

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

Description (a)	Water (b)	Electric (c)	Gas (d)	Sewer (e)	Total (f)	
Balance First of Year (111.1)	259,085,292	0	0	0	259,085,292	1
Credits during year						2
Charged Depreciation Expense (403)	15,728,696				15,728,696	3
Depreciation Expense on Meters Charged to Sewer	2,195,897				2,195,897	4
Salvage	117,507				117,507	5
Total credits	18,042,100	0	0	0	18,042,100	6
Debits during year						7
Book Cost of Plant Retired	6,662,495				6,662,495	8
Cost of Removal	63,849				63,849	9
Total debits	6,726,344	0	0	0	6,726,344	10
Balance end of year (111.1)	270,401,048	0	0	0	270,401,048	11

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

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

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

Description (a)	Water (b)	Electric (c)	Gas (d)	Sewer (e)	Total (f)	
Balance First of Year (111.2)	28,584,886	0	0	0	28,584,886	1
Credits during year						2
Charged Other Income Deductions (426)	1,714,849				1,714,849	3
Depreciation Expense on Meters Charged to Sewer					0	4
Salvage	46,197				46,197	5
Total credits	1,761,046	0	0	0	1,761,046	6
Debits during year						7
Book Cost of Plant Retired	157,556				157,556	8
Cost of Removal	14,989				14,989	9
Total debits	172,545	0	0	0	172,545	10
Balance end of year (111.2)	30,173,387	0	0	0	30,173,387	11

Net Nonutility Property (Accts. 121 & 122)

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

Description (a)	Balance First of Year (b)	Additions During Year (c)	Deductions During Year (d)	Balance End of Year (e)	
Nonregulated sewer plant	0			0	1
KILBOURN BOOSTER - BLDGS & FIX	71,738			71,738	2
KILBOURN BOOSTER - PUMP EQUIP	234,678			234,678	3
KILBOURN BOOSTER - TRANS MAINS	53,915			53,915	4
Kilbourn Park Structures & Improvements	13,973			13,973	5
KILBOURN RESERVOIR - LAND	26,056			26,056	6
KILBOURN RESERVOIR PARK	3,254,284			3,254,284	7
KILBOURN SERVICE BLDG - BLDGS & FIX	49,969			49,969	8
KILBOURN SERVICE BLDG - EQUIPMENT	104,730			104,730	9
KILBOURN SERVICE BLDG - IMP GRNDS	13,099			13,099	10
Land - Bluemound Tank Site	6,759			6,759	11
Land - Florist Station	3,766			3,766	12
Land - Howard Treatment Plant	338,960			338,960	13
North Point Parks - Struc. & Improvem.	65,727			65,727	14
North Point Tower	55,506			55,506	15
Total Nonutility Property (121)	4,293,160	0	0	4,293,160	16
Less accum. prov. depr. & amort. (122)	1,198,321	139,146		1,337,467	17
Net Nonutility Property	3,094,839	(139,146)	0	2,955,693	18

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

	Description (a)	Amount (b)	
Balance first of year		784,248	1
Additions			2
Provision for uncollectibles during year		299,000	3
Collection of accounts previously written off: Utility Customers		0	4
Collection of accounts previously written off: Others		0	5
Total Additions		299,000	6
Accounts Written Off			7
Accounts written off during the year: Utility Customers		79,059	8
Accounts written off during the year: Others		141,839	9
Total Accounts Written Off		220,898	10
Balance End of Year		862,350	11

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

Accumulated Provision for Uncollectible Accounts-Cr. (Acct. 144) (Page F-12)

General Footnote

An annual allowance is set for water bill (bankruptcies) and sundry bills.

Materials and Supplies

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

Account	Total End of Year	Amount Prior Year	
Electric utility total	0	0	1
Water utility (154)	3,537,799	3,467,118	2
Sewer utility (154)			3
Heating utility (154)			4
Gas utility (154)			5
Merchandise (155)			6
Other materials & supplies (156)			7
Stores expense (163)			8
Total Material and Supplies	3,537,799	3,467,118	9

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

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

Debt Issue to Which Related (a)	Written Off During Year		Balance End of Year (d)	
	Amount (b)	Account Charged or Credited (c)		
Unamortized debt discount & expense (181)				
None				1
				2
Total	0		0	3
Unamortized premium on debt (251)				
None				4
				5
Total	0		0	6

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		964,415	1
Balance end of year		964,415	2

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.

Capital Paid in by Municipality (Acct. 200) (Page F-15)

General Footnote

The \$964,415 consists of the following:

\$800,082 mains and hydrants that were paid by the City of Milwaukee (1974-1991).

\$164,333 donated property for the Cameron Meter Shop by the City of Milwaukee Bureau of Sanitation (2013).

Bonds (Acct. 221)

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

Description of Issue (a)	Date of Issue (b)	Final Maturity Date (c)	Interest Rate (d)	Principal Amount End of Year (e)	
SDC-Revenue Bond 4851-32	05/23/2018	05/01/2038	1.87%	11,080,730	1
SDC-Revenue Bond 4851-35	06/26/2019	05/01/2039	1.98%	10,313,630	2
SDW-Revenue Bond 4851-08	12/26/2013	05/01/2033	1.93%	4,625,502	3
SDW-Revenue Bond 4851-23	10/22/2014	05/01/2034	1.93%	6,624,539	4
SDW-Revenue Bond 4851-26	01/25/2017	05/01/2036	1.54%	13,359,439	5
SDW-Revenue Bond 4851-27	06/28/2017	05/01/2037	1.87%	5,447,874	6
SDW-Revenue Bonds 4851-02	12/15/2016	06/01/2036	4.50%	8,685,000	7
Total				60,136,714	8

Notes Payable & Miscellaneous Long-Term Debt

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

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)	
Advances from Municipality (223)					1
Series 2010-B5	03/25/2010	05/01/2025	4.17%	225,000	2
Series 2010-N1	02/02/2010	02/01/2020	4.52%	45,000	3
Series 2011-B4	06/09/2011	05/15/2026	3.99%	3,875,000	4
Series 2011-N3	06/09/2011	05/15/2021	3.99%	1,550,000	5
Series 2016 W-10	12/15/2016	06/01/2036	4.50%	279,201	6
Series 2019 W-2	12/27/2019	05/15/2021	2.00%	5,000,000	7
Total for Account 223				10,974,201	8

Taxes Accrued (Acct. 236)

Description (a)	Amount (b)	
Balance first of year	0	1
Charged water department expense	13,820,222	2
Charged electric department expense		3
Charged gas department expense		4
Charged sewer department expense	584,843	5
Total accruals and other credits	14,405,065	6
County, state and local taxes	13,300,000	7
Social Security taxes	1,013,015	8
PSC Remainder Assessment	92,050	9
Gross Receipts Tax		10
Total payments and other debits	14,405,065	11
Balance end of year	0	12

Interest Accrued (Acct. 237)

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

Description of Issue (a)	Interest Accrued Balance First of Year (b)	Interest Accrued During Year (c)	Interest Paid During Year (d)	Interest Accrued Balance End of Year (e)	
Bonds (221)	0	0	0	0	1
SDW REVENUE BOND 4851-02	31,089	(31,088)	1	0	2
SDW REVENUE BOND 4851-26	36,042	209,241	210,994	34,289	3
SDW REVENUE BOND 4851-27	17,767	103,450	104,237	16,980	4
SDW REVENUE BOND 4851-32	25,910	158,469	157,716	26,663	5
SDW-REVENUE BOND 4851-08	15,756	90,873	91,789	14,840	6
SDW-REVENUE BOND 4851-23	22,466	129,947	131,159	21,254	7
SDW-REVENUE BOND 4851-35		34,175	21,009	13,166	8
Subtotal Bonds (221)	149,030	695,067	716,905	127,192	9
Advances from Municipality (223)	0	0	0	0	10
JP Morgan Line of Credit	10,067	1	10,068	0	11
SERIES 2009-B2	1,350	3,600	3,600	1,350	12
SERIES 2009-N1	281	375	407	249	13
SERIES 2010-B5	1,875	11,250	11,250	1,875	14
SERIES 2010-N1	2,063	3,375	3,750	1,688	15
SERIES 2011-B4	24,219	193,750	193,750	24,219	16
SERIES 2011-N3	14,531	96,875	100,335	11,071	17
SERIES REFUNDING - E	49	585	585	49	18
US Bank Line of Credit	2,255	393,202	318,565	76,892	19
Subtotal Advances from Municipality (223)	56,690	703,013	642,310	117,393	20
Other Long-Term Debt (224)	0	0	0	0	21
None				0	22
Subtotal Other Long-Term Debt (224)	0	0	0	0	23
Notes Payable (231)	0	0	0	0	24
None				0	25
Subtotal Notes Payable (231)	0	0	0	0	26
Customer Deposits (235)	0	0	0	0	27
None				0	28
Subtotal Customer Deposits (235)	0	0	0	0	29
Total	205,720	1,398,080	1,359,215	244,585	30

Balance Sheet Detail - Other Accounts

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

Description (a)	Balance End of Year (b)	
Cash and Working Funds (131)	0	1
Cash	8,062	2
Total (Acct. 131)	8,062	3
Working Funds (135)	0	4
Cashier's Working Fund	2,300	5
Total (Acct. 135)	2,300	6
Temporary Cash Investments (136)	0	7
Money Market and LGIP	21,514,004	8
Total (Acct. 136)	21,514,004	9
Customer Accounts Receivable (142)	0	10
Water	16,862,908	11
Sundry	429,075	12
Total (Acct. 142)	17,291,983	13
Other Accounts Receivable (143)	0	14
Sewer (Non-regulated)		15
Merchandising, jobbing and contract work		16
DNR	699,114	17
Total (Acct. 143)	699,114	18
Prepayments (165)	0	19
2019 Debt Services	1,084,250	20
Customer Information System Maintenance	837,029	21
Membership Dues	114,595	22
Total (Acct. 165)	2,035,874	23
Accrued Utility Revenues (173)	0	24
Accrued Accounts Receivable Revenue	13,912,413	25
Total (Acct. 173)	13,912,413	26
Miscellaneous Current and Accrued Assets (174)	0	27
Accrued Assets-Pension	14,491,558	28
Total (Acct. 174)	14,491,558	29
Miscellaneous Deferred Debits (186)	0	30
Advancement to Parking Fund	54,457	31
Deferred Outflow - OPEB	6,598,471	32

Balance Sheet Detail - Other Accounts

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

Developer Projects	69,585	33
Total (Acct. 186)	6,722,513	34
Accounts Payable (232)	0	35
Accounts Payable	3,676,350	36
Total (Acct. 232)	3,676,350	37
Payables to Municipality (233)	0	38
Due to General Fund - 01	(6,903,238)	39
Due to Sewer Maintenance Fund - 49	485,959	40
Due to Sewer User Fund - 46	446,253	41
Total (Acct. 233)	(5,971,026)	42
Miscellaneous Current and Accrued Liabilities (242)	0	43
Other Accrued Expenses and Liabilities	86,676,074	44
Total (Acct. 242)	86,676,074	45
Other Deferred Credits (253)	0	46
Regulatory Liability	3,245,302	47
Total (Acct. 253)	3,245,302	48

Balance Sheet Detail - Other Accounts

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

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

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

PSC 233 – Payables to Municipality

Fund 01 is the general fund of the City of Milwaukee. Every pay period, the City Comptroller estimated how much of the Milwaukee Works revenue received during the period should be invested or taken by the General Fund to cover the utility's expenses. The City of Milwaukee pays the utility's expenses and the utility, in turn, reimburses the City. This includes payroll, fringes, inventory, and accounts payable. This fund also accounts for the solid waste and snow/ice collection.

Fund 46 (Sewer Treatment) and Fund 49 (Sewer Maintenance) amounts consist of revenue collected that is pending transfer to the respective funds.

General Footnote

PSC 165 – Prepayments

At year end, by State Statute, the City of Milwaukee must take cash from the Water Works in an amount equal to next year's debt service. The City must also return the cash taken of the previous year for debt service. This debt service transfer includes only the General Obligation bonds and the Refunding issues. The Safe Drinking Water issues are not included in this requirement.

PSC 186 – Deferred Debits

Developer Projects – These deferred debits consist of charges for materials and inspection of land developer projects. Land developer additions are governed by the City of Milwaukee Ordinance 146, File 60-368-b, approved 6/30/1962, and Ordinance 679, File 63-225-a, approved 3/5/1964

Advancement to Parking Fund – This amount is for the Lincoln Yard fixed assets that were transferred to the Parking Fund in 2012. The agreement (Memorandum of Understanding) is for the Parking Fund to pay the Water Works \$27,228.58 (through 2021) for the land and building.

OPEB - To record the deferred outflow 2019 OPEB.

Return on Rate Base Computation

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

Average Rate Base (a)	Water (b)	Electric (c)	Gas (d)	Sewer (e)	Total (f)	
Add Average						1
Utility Plant in Service (101.1)	654,890,558				654,890,558	2
Materials and Supplies	3,502,458				3,502,458	3
Less Average						4
Reserve for Depreciation (111.1)	264,743,170				264,743,170	5
Customer Advances for Construction					0	6
Regulatory Liability	3,650,965				3,650,965	7
Average Net Rate Base	389,998,881	0	0	0	389,998,881	8
Net Operating Income	17,346,059				17,346,059	9
Net Operating Income as a percent of Average Net Rate Base	4.45%	N/A	N/A	N/A	4.45%	10

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

Description (a)	Water (b)	Electric (c)	Gas (d)	Sewer (e)	Total (f)	
Balance First of Year	4,056,628	0	0	0	4,056,628	1
Credits During Year					0	2
None					0	3
Charges (Deductions)					0	4
Miscellaneous Amortization (425)	811,326				811,326	5
Balance End of Year	3,245,302	0	0	0	3,245,302	6

Important Changes During the Year

Report changes of any of the following types:

1. Acquisitions

2. Leaseholder changes

3. Extensions of service

4. Estimated changes in revenues due to rate changes

5. Obligations incurred or assumed, excluding commercial paper

6. Formal proceedings with the Public Service Commission

The Public Service Commission granted a rate increase (3% overall) that was effective on September 1, 2019. This was for a simplified rate case (Docket 3720-WQ-107).

7. Any additional matters

Interest expense related to construction projects was not capitalized in 2019.

Water Operating Revenues & Expenses

Description (a)	This Year (b)	Last Year (c)	
Operating Revenues - Sales of Water			1
Sales of Water (460-467)	89,463,008	91,518,913	2
Total Sales of Water	89,463,008	91,518,913	3
Other Operating Revenues			4
Forfeited Discounts (470)	2,754,947	2,781,847	5
Rents from Water Property (472)	370,638	392,287	6
Interdepartmental Rents (473)	0	0	7
Other Water Revenues (474)	1,576,940	804,730	8
Total Other Operating Revenues	4,702,525	3,978,864	9
Total Operating Revenues	94,165,533	95,497,777	10
Operation and Maintenance Expenses			11
Source of Supply Expense (600-617)	1,703,217	14,186	12
Pumping Expenses (620-633)	6,283,694	6,318,666	13
Water Treatment Expenses (640-652)	11,035,247	10,722,225	14
Transmission and Distribution Expenses (660-678)	16,341,019	21,406,079	15
Customer Accounts Expenses (901-906)	1,414,558	1,489,538	16
Sales Expenses (910)	0	0	17
Administrative and General Expenses (920-932)	10,492,821	15,258,760	18
Total Operation and Maintenance Expenses	47,270,556	55,209,454	19
Other Operating Expenses			20
Depreciation Expense (403)	15,728,696	14,955,058	21
Amortization Expense (404-407)			22
Taxes (408)	13,820,222	13,908,756	23
Total Other Operating Expenses	29,548,918	28,863,814	24
Total Operating Expenses	76,819,474	84,073,268	25
NET OPERATING INCOME	17,346,059	11,424,509	26

Water Operating Revenues - Sales of Water

- Where customer meters record cubic feet, multiply by 7.48 to obtain number of gallons.
- Report estimated gallons for unmetered sales.
- Sales to multiple dwelling buildings through a single meter serving 3 or more family units should be classified multifamily residential.
- Account 460, Unmetered Sales to General Customers - Gallons of Water Sold should not include in any way quantity of water, i.e. metered or measured by tank of pool volume. The quantity should be estimated based on size of pipe, flow, foot of frontage, etc. Bulk water sales should be Account 460 if the quantity is estimated and should be Account 461 if metered or measured by volume. Water related to construction should be a measured sale of water (Account 461).
- Report average number of individually-metered accounts (meters). The amount reported should be the average meter count. E.g. if a hospital has 5 meters, a total of 5 meters should be reported on this schedule in column b (Average No. of Customers).
- 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)	Thousand of Gallons of Water Sold (c)	Amount (d)	
Unmetered Sales to General Customers (460)				1
Residential (460.1)				2
Commercial (460.2)				3
Industrial (460.3)				4
Public Authority (460.4)	2	13,326	40,227	5
Multifamily Residential (460.5)				6
Irrigation (460.6)				7
Total Unmetered Sales to General Customers (460)	2	13,326	40,227	8
Metered Sales to General Customers (461)				9
Residential (461.1)	137,249	8,353,325	33,613,564	10
Commercial (461.2)	12,471	4,808,626	15,296,846	11
Industrial (461.3)	1,296	2,859,866	6,149,943	12
Public Authority (461.4)	915	1,529,359	3,995,068	13
Multifamily Residential (461.5)	8,777	2,857,729	9,207,124	14
Irrigation (461.6)				15
Total Metered Sales to General Customers (461)	160,708	20,408,905	68,262,545	16
Private Fire Protection Service (462)	2,961		780,254	17
Public Fire Protection Service (463)	16		8,607,899	18
Other Water Sales (465)				19
Sales for Resale (466)	12	7,369,680	11,772,083	20
Interdepartmental Sales (467)				21
Total Sales of Water	163,699	27,791,911	89,463,008	22

Sales for Resale (Acct. 466)

Use a separate line for each delivery point.

Customer Name (a)	Point of Delivery (b)	Thousands of Gallons Sold (c)	Revenues (d)	
Brown Deer Water Public Utility	N. 60TH ST. & W. BRADLEY RD.	439,558	733,255	1
Butler Public Water Utility	N. 124TH ST. & W. SILVER SPRING RD.	107,047	166,315	2
City of Cudahy Water Utility	STANDBY CHARGES		3,500	3
Mequon Municipal Water Utility	N.76TH ST. & W. COUNTY LINE RD.	333,437	584,622	4
MILWAUKEE COUNTY WATER UTILITY	N.60TH ST. & W. NORTH AVE.	264,620	461,181	5
New Berlin Water Utility	S. 124TH ST. & W. HOWARD AVE	886,193	1,381,650	6
NORTH SHORE WATER COMMISSION	STANDBY CHARGES		2,700	7
Shorewood Municipal Water Utility	N. DOWNER & E. EDGEWOOD AVE	364,963	608,087	8
Village of Greendale Water Utility	S. 60TH ST. & W. EDGERTON AVE	387,433	727,420	9
Village of Menomonee Falls Water Utility	N. 124TH ST. & W. BRADLEY RD.	1,089,075	1,712,333	10
Wauwatosa Water Utility	W. CLARKE ST. & W.O. N.61 ST.	1,598,615	2,565,355	11
West Allis Municipal Water Utility	S. 77TH & W. PIERCE STREET	1,898,739	2,825,665	12
Total		7,369,680	11,772,083	13

Other Operating Revenues (Water)

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

Description (a)	Amount (b)	
Public Fire Protection Service (463)		1
Amount billed (usually per rate schedule F-1 or Fd-1)	8,402,915	2
Wholesale fire protection billed	204,984	3
Amount billed for fighting fires outside utility's service areas (usually per rate schedule F-2 or BW-1)		4
Total Public Fire Protection Service (463)	8,607,899	5
Forfeited Discounts (470)		6
Customer late payment charges	2,754,947	7
Total Forfeited Discounts (470)	2,754,947	8
Rents from Water Property (472)		9
Rent of tower for cellular antennas	370,638	10
Total Rents from Water Property (472)	370,638	11
Interdepartmental Rents (473)		12
None		13
Total Interdepartmental Rents (473)	0	14
Other Water Revenues (474)		15
Return on net investment in meters charged to sewer department	977,975	16
Adjustment of Un-billed Accounts Receivables	387,715	17
Emergency Hose Connection	2,040	18
Legal Collection Fees	43,078	19
Meter Reset Fees	9,400	20
Missed Appointment Charges	1,860	21
NSF Check Fees	42,525	22
Re-connection Charges	50,075	23
Request for Utility Bill Charge	1,406	24
Sales of Materials	2,306	25
Special Billing Charges	48,300	26
Special Meter Reading Charges	10,260	27
Total Other Water Revenues (474)	1,576,940	28

Other Operating Revenues (Water)

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

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

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

The adjustment of the unbilled accounts receivable is needed to accrue revenue earned in 2019 that will not be billed out until 2020.

Water Operation & Maintenance Expenses

- Each expense account that has a difference between This Year and Last Year greater than 15 percent and \$10,000 (class AB), 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.
- Class C and class D report all expenses in Other Expense (column c)

Description (a)	Labor Expense (b)	Other Expense (c)	Total This Year (d)	Last Year (e)	
SOURCE OF SUPPLY EXPENSES					1
Operation Supervision and Engineering (600)			0	0	2
Operation Labor and Expenses (601)			0	0	3
Purchased Water (602)			0	0	4
Miscellaneous Expenses (603)			0	0	5
Rents (604)			0	0	6
Maintenance Supervision and Engineering (610)			0	0	7
Maintenance of Structures and Improvements (611)			0	0	8
Maintenance of Collecting and Impounding Reservoirs (612)			0	0	9
Maintenance of Lake, River and Other Intakes (613)			0	14,186	10
Maintenance of Wells and Springs (614)			0	0	11
Maintenance of Supply Mains (616)		1,703,217	1,703,217	0	12
Maintenance of Miscellaneous Water Source Plant (617)			0	0	13
Total Source of Supply Expenses	0	1,703,217	1,703,217	14,186	14
PUMPING EXPENSES					15
Operation Supervision and Engineering (620)			0	0	16
Fuel for Power Production (621)			0	0	17
Power Production Labor and Expenses (622)			0	0	18
Fuel or Power Purchased for Pumping (623)		4,939,189	4,939,189	5,213,418	19
Pumping Labor and Expenses (624)	301,427	113,155	414,582	367,771	20
Expenses Transferred--Credit (625)			0	0	21
Miscellaneous Expenses (626)		211,675	211,675	178,727	22
Rents (627)			0	0	23
Maintenance Supervision and Engineering (630)	151,268	2,272	153,540	214,439	24
Maintenance of Structures and Improvements (631)	74,495	206,934	281,429	103,195	25
Maintenance of Power Production Equipment (632)			0	0	26
Maintenance of Pumping Equipment (633)	18,265	265,014	283,279	241,116	27
Total Pumping Expenses	545,455	5,738,239	6,283,694	6,318,666	28
WATER TREATMENT EXPENSES					29
Operation Supervision and Engineering (640)	351,840		351,840	339,214	30
Chemicals (641)		1,791,946	1,791,946	1,763,131	31
Operation Labor and Expenses (642)	3,044,156	1,206,366	4,250,522	3,852,203	32
Miscellaneous Expenses (643)	118,709	599,821	718,530	781,739	33
Rents (644)			0	0	34
Maintenance Supervision and Engineering (650)	151,206		151,206	155,573	35
Maintenance of Structures and Improvements (651)	33,059	988,592	1,021,651	772,452	36
Maintenance of Water Treatment Equipment (652)	1,821,794	927,758	2,749,552	3,057,913	37
Total Water Treatment Expenses	5,520,764	5,514,483	11,035,247	10,722,225	38
TRANSMISSION AND DISTRIBUTION EXPENSES					39
Operation Supervision and Engineering (660)	1,432,762	81,396	1,514,158	1,420,680	40

Water Operation & Maintenance Expenses

- Each expense account that has a difference between This Year and Last Year greater than 15 percent and \$10,000 (class AB), 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.
- 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)			0	0	41
Transmission and Distribution Lines Expenses (662)	161,207	843,666	1,004,873	829,986	42
Meter Expenses (663)	209,052	734,185	943,237	949,217	43
Customer Installations Expenses (664)			0	0	44
Miscellaneous Expenses (665)	647,403	1,495,766	2,143,169	1,941,969	45
Rents (666)		1,275,000	1,275,000	1,275,000	46
Maintenance Supervision and Engineering (670)			0	0	47
Maintenance of Structures and Improvements (671)			0	0	48
Maintenance of Distribution Reservoirs and Standpipes (672)	366	328,453	328,819	2,791,207	49
Maintenance of Transmission and Distribution Mains (673)	1,586,180	3,782,439	5,368,619	8,073,816	50
Maintenance of Services (675)	1,795,279	791,826	2,587,105	2,839,492	51
Maintenance of Meters (676)	16,828	16,705	33,533	16,876	52
Maintenance of Hydrants (677)	266,530	427,943	694,473	896,175	53
Maintenance of Miscellaneous Plant (678)	43,319	404,714	448,033	371,661	54
Total Transmission and Distribution Expenses	6,158,926	10,182,093	16,341,019	21,406,079	55
CUSTOMER ACCOUNTS EXPENSES					56
Supervision (901)	92,280		92,280	95,741	57
Meter Reading Expenses (902)	217,050		217,050	208,545	58
Customer Records and Collection Expenses (903)	334,045	471,843	805,888	946,314	59
Uncollectible Accounts (904)		299,000	299,000	238,000	60
Miscellaneous Customer Accounts Expenses (905)			0	0	61
Customer Service and Informational Expenses (906)	340		340	938	62
Total Customer Accounts Expenses	643,715	770,843	1,414,558	1,489,538	63
SALES EXPENSES					64
Sales Expenses (910)			0	0	65
Total Sales Expenses	0	0	0	0	66
ADMINISTRATIVE AND GENERAL EXPENSES					67
Administrative and General Salaries (920)	2,700,849		2,700,849	2,970,031	68
Office Supplies and Expenses (921)		806,743	806,743	391,320	69
Administrative Expenses Transferred--Credit (922)			0	0	70
Outside Services Employed (923)		1,854,205	1,854,205	1,865,343	71
Property Insurance (924)		137,936	137,936	136,324	72
Injuries and Damages (925)		448,831	448,831	779,833	73
Employee Pensions and Benefits (926)		4,212,994	4,212,994	8,839,375	74
Regulatory Commission Expenses (928)		27,270	27,270	22,640	75
Duplicate Charges--Credit (929)			0	0	76
Miscellaneous General Expenses (930)		111,579	111,579	40,392	77
Rents (931)		178,050	178,050	212,040	78
Maintenance of General Plant (932)		14,364	14,364	1,462	79
Total Administrative and General Expenses	2,700,849	7,791,972	10,492,821	15,258,760	80

Water Operation & Maintenance Expenses

- Each expense account that has a difference between This Year and Last Year greater than 15 percent and \$10,000 (class AB), 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.
- 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)	
TOTAL OPERATION AND MAINTENANCE EXPENSES	15,569,709	31,700,847	47,270,556	55,209,454	81

Water Operation & Maintenance Expenses

- Each expense account that has a difference between This Year and Last Year greater than 15 percent and \$10,000 (class AB), 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.
- Class C and class D report all expenses in Other Expense (column c)

Water Operation & Maintenance Expenses (Page W-05)

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

- 613 – Maintenance of Lake, River and Other Intakes
Decreased 100% due to consultant services charge in 2018
- 616 – Maintenance of Supply Mains
Increase of 100% due to North Point tunnel inspection in 2019
- 626 – Miscellaneous Expenses
Increase of 18% due to pump control system upgrade
- 630 – Maintenance Supervision and Engineering
Decreased 28% due to staff time charge in 2019
- 631 – Maintenance of Structures and Improvements
Increase of 173% due to electrical repairs.
- 633 – Maintenance of Pumping Equipment
Increase of 17% due staff time charged in 2019
- 651 – Maintenance of Structures and Improvements
Increase of 32% due to snow and ice removal for both plants in 2019
- 662 – Transmission and Distribution Lines Expenses
Increase of 21% due to staff time charged and supplies in 2019
- 672 – Maintenance of Distribution Reservoirs and Standpipes
Decreased 88% due to painting Lincoln and Florist tanks in 2018
- 673 – Maintenance of Transmission and Distribution Mains
Decreased 34% due to main breaks cost.
- 676 – Maintenance of Meters
Increase of 99% due to staff time charged in 2019
- 677 – Maintenance of Hydrants
Decreased 23% due to Hydro-excavation services went down in 2019
- 678 – Maintenance of Miscellaneous Plant
Increase of 21% due to temporary staff
- 904 – Uncollectible Accounts
Increase of 26% due to additional estimated uncollectable accounts.
- 921 – Office Supplies and Expenses
Increase of 106% due to Supplies
- 925 – Injuries and Damages
Decreased 42% due to workers compensation claims went down in 2019.
- 926 – Employee Pensions and Benefits
Decreased of 48% due to adjustment on OPEB
- 930 – Miscellaneous General Expenses
Increase of 176% due to water research dues
- 931 – Rents
Decreased 16% due to rent expense for 4th floor in 2019
- 932 – Maintenance of General Plant
Increase of 883% due to fleet charges in 2019.

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	13,300,000	13,090,009	1
Less: Local and School Tax Equivalent on Meters Charged to Sewer Department	584,843	562,983	2
Net Property Tax Equivalent	12,715,157	12,527,026	3
Social Security	1,013,015	1,288,438	4
PSC Remainder Assessment	92,050	93,292	5
Total Tax Expense	13,820,222	13,908,756	6

Water Property Tax Equivalent - Detail

- No property tax equivalent shall be determined for sewer utilities or town sanitary district water utilities.
- Tax rates are those issued in November (usually) of the year being reported and are available from the municipal treasurer. Report the tax rates in mills to six (6) decimal places.
- The assessment ratio is available from the municipal treasurer. Report the ratio as a decimal to six (6) places.
- The utility plant balance first of year should include the gross book values of plant in service (total of utility financed and contributed plant), property held for future use and construction work in progress.
- An "other tax rate" is included in the "Net Local and School Tax Rate Calculation" to the extent that it is local. An example is a local library tax. Fully explain the rate in the Property Tax Equivalent schedule footnotes.
- **Property Tax Equivalent - Total**
If the municipality has authorized a lower tax equivalent amount, the authorization description and date of the authorization must be reported in the schedule footnotes. If the municipality has NOT authorized a lower amount, leave the cell blank.

COUNTY: MILWAUKEE(1)

SUMMARY OF TAX RATES

1. State Tax Rate	mills	0.000000
2. County Tax Rate	mills	4.830000
3. Local Tax Rate	mills	10.580000
4. School Tax Rate	mills	9.570000
5. Vocational School Tax Rate	mills	1.190000
6. Other Tax Rate - Local	mills	0.000000
7. Other Tax Rate - Non-Local	mills	1.660000
8. Total Tax Rate	mills	27.830000
9. Less: State Credit	mills	1.760000
11. Net Tax Rate	mills	26.070000

PROPERTY TAX EQUIVALENT CALCULATION

12. Local Tax Rate	mills	10.580000
13. Combined School Tax Rate	mills	10.760000
14. Other Tax Rate - Local	mills	0.000000
15. Total Local & School Tax Rate	mills	21.340000
16. Total Tax Rate	mills	27.830000
17. Ratio of Local and School Tax to Total	dec.	0.766798
18. Total Tax Net of State Credit	mills	26.070000
19. Net Local and School Tax Rate	mills	19.990435
20. Utility Plant, Jan 1	\$	798,229,183
21. Materials & Supplies	\$	3,467,118
22. Subtotal	\$	801,696,301
23. Less: Plant Outside Limits	\$	82,087,350
24. Taxable Assets	\$	719,608,951
25. Assessment Ratio	dec.	0.994900
26. Assessed Value	\$	715,938,945
27. Net Local and School Tax Rate	mills	19.990435
28. Tax Equiv. Computed for Current Year	\$	14,311,923

PROPERTY TAX EQUIVALENT - TOTAL

PROPERTY TAX EQUIVALENT CALCULATION

1. Utility Plant, Jan 1	\$	798,229,183
2. Materials & Supplies	\$	3,467,118
3. Subtotal	\$	801,696,301
4. Less: Plant Outside Limits	\$	82,087,350
5. Taxable Assets	\$	719,608,951
6. Assessed Value	\$	715,938,945
7. Tax Equiv. Computed for Current Year	\$	14,311,923
8. Tax Equivalent per 1994 PSC Report	\$	6,904,063
9. Amount of Lower Tax Equiv. as Authorized by Municipality for Current Year (see notes)	\$	13,300,000
10. Tax Equivalent for Current Year (see notes)	\$	13,300,000

Water Property Tax Equivalent - Detail

- No property tax equivalent shall be determined for sewer utilities or town sanitary district water utilities.
- Tax rates are those issued in November (usually) of the year being reported and are available from the municipal treasurer. Report the tax rates in mills to six (6) decimal places.
- The assessment ratio is available from the municipal treasurer. Report the ratio as a decimal to six (6) places.
- The utility plant balance first of year should include the gross book values of plant in service (total of utility financed and contributed plant), property held for future use and construction work in progress.
- An "other tax rate" is included in the "Net Local and School Tax Rate Calculation" to the extent that it is local. An example is a local library tax. Fully explain the rate in the Property Tax Equivalent schedule footnotes.
- **Property Tax Equivalent - Total**
If the municipality has authorized a lower tax equivalent amount, the authorization description and date of the authorization must be reported in the schedule footnotes. If the municipality has NOT authorized a lower amount, leave the cell blank.

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

If Other Tax Rate - Local and/or Other Tax Rate - Non-Local are greater than zero, please explain.

This other tax rate is charged by the Milwaukee Metropolitan Sewerage District (MMSD). MMSD is a special purpose corporation organized under the laws of the State of Wisconsin. It was created in 1982. They report to a governing body that is responsible for the area they service.

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

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

The City of Milwaukee authorized to pay \$13,300,000.00 in 2019 as part of its adopted budget.

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

- All adjustments, corrections and reclassifications (including to/from plant financed by contributions) should be reported in Column (e), Adjustments.
- Explain fully as a footnote the nature of all entries reported in Column (e), Adjustments.
- For each account over \$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.
- 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.
- [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						1
Organization (301)	0				0	2
Franchises and Consents (302)	0				0	3
Miscellaneous Intangible Plant (303)	0				0	4
Total Intangible Plant	0	0	0	0	0	5
SOURCE OF SUPPLY PLANT						6
Land and Land Rights (310)	0				0	7
Structures and Improvements (311)	0				0	8
Collecting and Impounding Reservoirs (312)	0				0	9
Lake, River and Other Intakes (313)	16,080,676				16,080,676	10
Wells and Springs (314)	0				0	11
Supply Mains (316)	7,344,380		50,042		7,294,338	12
Other Water Source Plant (317)	0				0	13
Total Source of Supply Plant	23,425,056	0	50,042	0	23,375,014	14
PUMPING PLANT						15
Land and Land Rights (320)	337,652				337,652	16
Structures and Improvements (321)	9,201,236		24,252		9,176,984	17
Other Power Production Equipment (323)	0				0	18
Electric Pumping Equipment (325)	47,474,653				47,474,653	19
Diesel Pumping Equipment (326)	0				0	20
Other Pumping Equipment (328)	0				0	21
Total Pumping Plant	57,013,541	0	24,252	0	56,989,289	22
WATER TREATMENT PLANT						23
Land and Land Rights (330)	914,137				914,137	24
Structures and Improvements (331)	19,136,340	35,936	73,143		19,099,133	25
Sand or Other Media Filtration Equipment (332)	43,582,376	57,682	274,842		43,365,216	26
Membrane Filtration Equipment (333)	0				0	27
Other Water Treatment Equipment (334)	65,822,849		64,274		65,758,575	28
Total Water Treatment Plant	129,455,702	93,618	412,259	0	129,137,061	29
TRANSMISSION AND DISTRIBUTION PLANT						30
Land and Land Rights (340)	29,629				29,629	31
Structures and Improvements (341)	0				0	32
Distribution Reservoirs and Standpipes (342)	8,988,682				8,988,682	33
Transmission and Distribution Mains (343)	302,509,873	10,761,071	519,543		312,751,401	34
Services (345)	10,846,117	5,430,647			16,276,764	35
Meters (346)	46,141,757	4,787,145	4,136,570		46,792,332	36

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

- All adjustments, corrections and reclassifications (including to/from plant financed by contributions) should be reported in Column (e), Adjustments.
- Explain fully as a footnote the nature of all entries reported in Column (e), Adjustments.
- For each account over \$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.
- 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.
- [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)	35,522,941	1,871,825	598,681		36,796,085	37
Other Transmission and Distribution Plant (349)	0				0	38
Total Transmission and Distribution Plant	404,038,999	22,850,688	5,254,794	0	421,634,893	39
GENERAL PLANT						40
Land and Land Rights (389)	133,980				133,980	41
Structures and Improvements (390)	2,772,841	45,000			2,817,841	42
Office Furniture and Equipment (391)	1,866,728	7,415			1,874,143	43
Computer Equipment (391.1)	6,106,548	410,434	421,205		6,095,777	44
Transportation Equipment (392)	9,761,149	1,573,709	214,141		11,120,717	45
Stores Equipment (393)	0				0	46
Tools, Shop and Garage Equipment (394)	1,103,428	755,398	172,440		1,686,386	47
Laboratory Equipment (395)	1,074,666	487,738	13,029		1,549,375	48
Power Operated Equipment (396)	3,614,513		100,333		3,514,180	49
Communication Equipment (397)	2,908,992	128,728			3,037,720	50
SCADA Equipment (397.1)	1,769,299				1,769,299	51
Miscellaneous Equipment (398)	0				0	52
Total General Plant	31,112,144	3,408,422	921,148	0	33,599,418	53
Total utility plant in service directly assignable	645,045,442	26,352,728	6,662,495	0	664,735,675	54
Common Utility Plant Allocated to Water Department	0				0	55
TOTAL UTILITY PLANT IN SERVICE	645,045,442	26,352,728	6,662,495	0	664,735,675	56

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

- All adjustments, corrections and reclassifications (including to/from plant financed by contributions) should be reported in Column (e), Adjustments.
- Explain fully as a footnote the nature of all entries reported in Column (e), Adjustments.
- For each account over \$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.
- 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.
- [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.

Account 332 – Treatment Equipment
End Deltabar/Pressure sensors \$57,682

Account 391.1 – Computer Equipment
Hardware and software at various locations

Account 392 – Transportation Equipment
Step vans, trucks and cars at various locations \$1,573,709

Account 394 - Tools, Shop and Garage Equipment
Test Bench System at Meter Shop \$746,712
Condensate return unit at Howard Plant \$8,686

Account 395 – Laboratory Equipment
Lab Instrument upgrade at Linnwood Plant \$184,135
Organic carbon analyzer \$45,856
Spectrometer \$84,667
Gas Chromatograph \$130,970
3 Phase Motor \$28,700
Sludge Analyzer \$13,410

Account 397 - Communication Equipment
Security upgrades at Howard Plant \$128,728

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

Account 331 - Structures and Improvements
Retirement of obsolete fencing, pavement, lighting at Linnwood Plant \$61,385
Retirement of old roofing at Howard Plant \$11,757

Account 332 – Treatment Equipment
Retirement of wash water pipe at Linnwood Plant \$28,174
Retirement of fiberglass paddles at Howard Plant \$246,667

Account 334 – Other Treatment Equipment
Retirement of waterproofing and discharge pumps at Linnwood Plant \$23,889
Retirement of sludge collectors at Howard Plant \$40,385

Account 391.1 – Computer Equipment
Retirement of hardware and software at various locations \$421,205

Account 392 – Transportation Equipment
Retirement of Step vans, trucks and cars at various locations \$214,141

Account 394 - Tools, Shop and Garage Equipment
Retirement of obsolete tools and equipment at various locations \$172,439.95

Account 396 – Power Equipment
Retirement of air compressors and drilling tower \$100,333

Water Utility Plant in Service - Plant Financed by Contributions

- All adjustments, corrections and reclassifications (including to/from plant financed by contributions) should be reported in Column (e), Adjustments.
- Explain fully as a footnote the nature of all entries reported in Column (e), Adjustments.
- For each account over \$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.
- 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.
- [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						1
Organization (301)	0				0	2
Franchises and Consents (302)	0				0	3
Miscellaneous Intangible Plant (303)	0				0	4
Total Intangible Plant	0	0	0	0	0	5
SOURCE OF SUPPLY PLANT						6
Land and Land Rights (310)	0				0	7
Structures and Improvements (311)	0				0	8
Collecting and Impounding Reservoirs (312)	0				0	9
Lake, River and Other Intakes (313)	0				0	10
Wells and Springs (314)	0				0	11
Supply Mains (316)	0				0	12
Other Water Source Plant (317)	0				0	13
Total Source of Supply Plant	0	0	0	0	0	14
PUMPING PLANT						15
Land and Land Rights (320)	0				0	16
Structures and Improvements (321)	0				0	17
Other Power Production Equipment (323)	0				0	18
Electric Pumping Equipment (325)	0				0	19
Diesel Pumping Equipment (326)	0				0	20
Other Pumping Equipment (328)	0				0	21
Total Pumping Plant	0	0	0	0	0	22
WATER TREATMENT PLANT						23
Land and Land Rights (330)	0				0	24
Structures and Improvements (331)	0				0	25
Sand or Other Media Filtration Equipment (332)	0				0	26
Membrane Filtration Equipment (333)	0				0	27
Other Water Treatment Equipment (334)	0				0	28
Total Water Treatment Plant	0	0	0	0	0	29
TRANSMISSION AND DISTRIBUTION PLANT						30
Land and Land Rights (340)	0				0	31
Structures and Improvements (341)	0				0	32
Distribution Reservoirs and Standpipes (342)	0				0	33
Transmission and Distribution Mains (343)	80,492,406	282,646	16,888		80,758,164	34
Services (345)	21,214,621		70,070		21,144,551	35
Meters (346)	1,179,689		34,580		1,145,109	36

Water Utility Plant in Service - Plant Financed by Contributions

- All adjustments, corrections and reclassifications (including to/from plant financed by contributions) should be reported in Column (e), Adjustments.
- Explain fully as a footnote the nature of all entries reported in Column (e), Adjustments.
- For each account over \$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.
- 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.
- [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)	8,108,719	109,203	36,018		8,181,904	37
Other Transmission and Distribution Plant (349)	0				0	38
Total Transmission and Distribution Plant	110,995,435	391,849	157,556	0	111,229,728	39
GENERAL PLANT						40
Land and Land Rights (389)	0				0	41
Structures and Improvements (390)	0				0	42
Office Furniture and Equipment (391)	0				0	43
Computer Equipment (391.1)	0				0	44
Transportation Equipment (392)	0				0	45
Stores Equipment (393)	0				0	46
Tools, Shop and Garage Equipment (394)	0				0	47
Laboratory Equipment (395)	0				0	48
Power Operated Equipment (396)	0				0	49
Communication Equipment (397)	0				0	50
SCADA Equipment (397.1)	0				0	51
Miscellaneous Equipment (398)	0				0	52
Total General Plant	0	0	0	0	0	53
Total utility plant in service directly assignable	110,995,435	391,849	157,556	0	111,229,728	54
Common Utility Plant Allocated to Water Department	0				0	55
TOTAL UTILITY PLANT IN SERVICE	110,995,435	391,849	157,556	0	111,229,728	56

Water Utility Plant in Service - Plant Financed by Contributions

- All adjustments, corrections and reclassifications (including to/from plant financed by contributions) should be reported in Column (e), Adjustments.
- Explain fully as a footnote the nature of all entries reported in Column (e), Adjustments.
- For each account over \$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.
- 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.
- [PSC Uniform System of Accounts](#)

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

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

The additions are due to hydrants replacements

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

The retirement is due to service lines are not in use.

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

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

Primary Plant Accounts (a)	Balance First of Year (b)	Rate % Used (c)	Accruals During Year (d)	Book Cost of Plant Retired (e)	Cost of Removal (f)	Salvage (g)	Adjustments Increase or (Decrease) (h)	Balance End of Year (i)	
SOURCE OF SUPPLY PLANT									1
Structures and Improvements (311)	0							0	2
Collecting and Impounding Reservoirs (312)	0							0	3
Lake, River and Other Intakes (313)	8,311,178	1.70%	273,371					8,584,549	4
Wells and Springs (314)	0							0	5
Supply Mains (316)	4,745,906	1.80%	131,748	50,042				4,827,612	6
Other Water Source Plant (317)	0							0	7
Total Source of Supply Plant	13,057,084		405,119	50,042	0	0	0	13,412,161	8
PUMPING PLANT									9
Structures and Improvements (321)	8,719,326	3.20%	294,052	24,252				8,989,126	10
Other Power Production Equipment (323)	0							0	11
Electric Pumping Equipment (325)	17,374,271	4.40%	1,782,193					19,156,464	12
Diesel Pumping Equipment (326)	0							0	13
Other Pumping Equipment (328)	0							0	14
Total Pumping Plant	26,093,597		2,076,245	24,252	0	0	0	28,145,590	15
WATER TREATMENT PLANT									16
Structures and Improvements (331)	10,979,342	3.20%	611,768	73,143				11,517,967	17
Sand or Other Media Filtration Equipment (332)	27,462,921	3.30%	1,434,635	274,842				28,622,714	18
Membrane Filtration Equipment (333)	0							0	19
Other Water Treatment Equipment (334)	49,839,976	6.00%	3,947,442	64,274				53,723,144	20
Total Water Treatment Plant	88,282,239		5,993,845	412,259	0	0	0	93,863,825	21
TRANSMISSION AND DISTRIBUTION PLANT									22
Structures and Improvements (341)	0							0	23
Distribution Reservoirs and Standpipes (342)	4,082,273	1.90%	170,785					4,253,058	24
Transmission and Distribution Mains (343)	76,549,300	1.30%	3,999,198	519,543	10,940			80,018,015	25
Services (345)	204,737	2.00%	271,229					475,966	26
Meters (346)	19,180,082	5.50%	2,555,687	4,136,570		56,925		17,656,124	27

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

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

Primary Plant Accounts (a)	Balance First of Year (b)	Rate % Used (c)	Accruals During Year (d)	Book Cost of Plant Retired (e)	Cost of Removal (f)	Salvage (g)	Adjustments Increase or (Decrease) (h)	Balance End of Year (i)	
Hydrants (348)	8,605,641	2.20%	795,509	598,681	52,909	60,582		8,810,142	28
Other Transmission and Distribution Plant (349)	0							0	29
Total Transmission and Distribution Plant	108,622,033		7,792,408	5,254,794	63,849	117,507	0	111,213,305	30
GENERAL PLANT									31
Structures and Improvements (390)	1,221,574	2.90%	81,065					1,302,639	32
Office Furniture and Equipment (391)	1,866,728	5.80%	215					1,866,943	33
Computer Equipment (391.1)	5,049,574	26.70%	350,612	421,205				4,978,981	34
Transportation Equipment (392)	7,774,655	13.30%	585,998	214,141				8,146,512	35
Stores Equipment (393)	0							0	36
Tools, Shop and Garage Equipment (394)	846,241	5.80%	80,905	172,440				754,706	37
Laboratory Equipment (395)	386,658	5.80%	76,097	13,029				449,726	38
Power Operated Equipment (396)	2,130,130	7.50%	262,361	100,333				2,292,158	39
Communication Equipment (397)	2,691,281	15.00%	56,945					2,748,226	40
SCADA Equipment (397.1)	1,063,496	9.20%	162,776					1,226,272	41
Miscellaneous Equipment (398)	0							0	42
Total General Plant	23,030,337		1,656,974	921,148	0	0	0	23,766,163	43
Total accum. prov. directly assignable	259,085,290		17,924,591	6,662,495	63,849	117,507	0	270,401,044	44
Common Utility Plant Allocated to Water Department	0							0	45
TOTAL ACCUM, PROV, FOR DEPRECIATION	259,085,290		17,924,591	6,662,495	63,849	117,507	0	270,401,044	46

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

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

Water Accumulated Provision for Depreciation - Plant Financed by Utility or Municipality (Page W-10)**General Footnote**

Other Fully Depreciated Groups –
Account 325 (Pumping Equipment) in 1999, Account 392 (Transportation Equipment) in 2010, and Communication Equipment in 2014. Asset additions are depreciated as a separate group within these accounts.

Water Accumulated Provision for Depreciation - Plant Financed by Contributions

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

Primary Plant Accounts (a)	Balance First of Year (b)	Rate % Used (c)	Accruals During Year (d)	Book Cost of Plant Retired (e)	Cost of Removal (f)	Salvage (g)	Adjustments Increase or (Decrease) (h)	Balance End of Year (i)	
SOURCE OF SUPPLY PLANT									1
Structures and Improvements (311)	0							0	2
Collecting and Impounding Reservoirs (312)	0							0	3
Lake, River and Other Intakes (313)	0							0	4
Wells and Springs (314)	0							0	5
Supply Mains (316)	0							0	6
Other Water Source Plant (317)	0							0	7
Total Source of Supply Plant	0		0	0	0	0	0	0	8
PUMPING PLANT									9
Structures and Improvements (321)	0							0	10
Other Power Production Equipment (323)	0							0	11
Electric Pumping Equipment (325)	0							0	12
Diesel Pumping Equipment (326)	0							0	13
Other Pumping Equipment (328)	0							0	14
Total Pumping Plant	0		0	0	0	0	0	0	15
WATER TREATMENT PLANT									16
Structures and Improvements (331)	0							0	17
Sand or Other Media Filtration Equipment (332)	0							0	18
Membrane Filtration Equipment (333)	0							0	19
Other Water Treatment Equipment (334)	0							0	20
Total Water Treatment Plant	0		0	0	0	0	0	0	21
TRANSMISSION AND DISTRIBUTION PLANT									22
Structures and Improvements (341)	0							0	23
Distribution Reservoirs and Standpipes (342)	0							0	24
Transmission and Distribution Mains (343)	24,281,631	1.30%	1,048,129	16,888	2,911			25,309,961	25
Services (345)	796,099	2.00%	423,591	70,070				1,149,620	26
Meters (346)	1,019,544	5.50%	63,932	34,580		32,368		1,081,264	27

Water Accumulated Provision for Depreciation - Plant Financed by Contributions

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

Primary Plant Accounts (a)	Balance First of Year (b)	Rate % Used (c)	Accruals During Year (d)	Book Cost of Plant Retired (e)	Cost of Removal (f)	Salvage (g)	Adjustments Increase or (Decrease) (h)	Balance End of Year (i)	
Hydrants (348)	2,487,613	2.20%	179,197	36,018	12,078	13,829		2,632,543	28
Other Transmission and Distribution Plant (349)	0							0	29
Total Transmission and Distribution Plant	28,584,887		1,714,849	157,556	14,989	46,197	0	30,173,388	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	28,584,887		1,714,849	157,556	14,989	46,197	0	30,173,388	44
Common Utility Plant Allocated to Water Department	0							0	45
TOTAL ACCUM, PROV, FOR DEPRECIATION	28,584,887		1,714,849	157,556	14,989	46,197	0	30,173,388	46

Age of Water Mains

- If asset management, capital improvement, or other infrastructure-related documents are not available, the utility should consult other potential sources of information: the year the utility was formed, year of initial build-out area, year in which new developments, subdivisions, etc. were added. This information can be used to develop estimated figures.
- If pipe diameter value is between those offered in the column, choose the diameter that is closest to the actual value.
- Report all pipe larger than 72" in diameter in the 72" category.

Pipe Size (a)	Feet of Main										Total (l)	
	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)		
2.000		0	0	0	0	151	386	2,198	3,604	95	6,434	1
4.000		4,693	13,170	130	847	14,119	7,729	8,166	183	81	49,118	2
6.000		1,436,619	672,552	235,510	88,451	29,473	24,860	14,248	30,199	19,004	2,550,916	3
8.000		281,860	764,606	752,424	690,766	361,344	285,366	382,720	484,159	361,316	4,364,561	4
12.000		180,419	376,898	306,292	175,963	135,590	156,917	100,072	53,540	39,633	1,525,324	5
16.000		65,217	206,268	300,025	262,003	122,455	71,005	51,406	24,088	27,934	1,130,401	6
20.000		40,588	14,008	2,081	13,522	2,672	131	201	665	134	74,002	7
24.000		10,670	7,771	5,394	32,681	5,734	2,909	245	323	10,443	76,170	8
30.000		48,767	19,926	2,064	18,249	0	171	1,303	1,445	1,277	93,202	9
36.000		64,449	24,388	11,919	23,363	5,656	4,730	399	494	1,086	136,484	10
42.000		882	7,162	35,280	38,730	1,042	4,653	11,248	6	6	99,009	11
48.000		0	23,078	12,134	26,308	0	13	24	151	21	61,729	12
54.000		0	46,897	46,842	55,544	0	0	13,235	3,408	57	165,983	13
60.000		0	0	0	20,509	0	0	1,060	0	0	21,569	14
Total	0	2,134,164	2,176,724	1,710,095	1,446,936	678,236	558,870	586,525	602,265	461,087	10,354,902	15

Describe source of information used to develop data:

The Water Main Property Ledger was used to develop the data. It gives a detailed list of water mains by size, type of material, year of installation and retirement, and location (inside and outside of the municipality).

Sources of Water Supply - Statistics

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

Month (a)	Sources of Water Supply (000's gal)						Total Gallons	
	Raw Water Withdrawn		Finished Water Pumped		Purchased Water (Imported)		Entering Distribution	
	Ground Water (b)	Surface Water (c)	Ground Water (d)	Surface Water (e)	Ground Water (f)	Surface Water (g)	System (h)	
January		2,696,670		2,696,670			2,696,670	1
February		2,629,240		2,629,240			2,629,240	2
March		2,877,100		2,877,100			2,877,100	3
April		2,697,560		2,697,560			2,697,560	4
May		2,748,430		2,748,430			2,748,430	5
June		2,738,300		2,738,300			2,738,300	6
July		3,202,280		3,202,280			3,202,280	7
August		3,193,300		3,193,300			3,193,300	8
September		2,874,140		2,874,140			2,874,140	9
October		2,800,950		2,800,950			2,800,950	10
November		2,661,990		2,661,990			2,661,990	11
December		2,718,600		2,718,600			2,718,600	12
TOTAL	0	33,838,560	0	33,838,560	0	0	33,838,560	13

Water Audit and Other Statistics

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

Description (a)	Value (b)
WATER AUDIT STATISTICS	
Finished Water pumped or purchased (000s)	33,838,560
Less: Gallons (000s) sold to wholesale customers (exported water)	7,369,680
Subtotal: Net gallons (000s) entering distribution system	26,468,880
Less: Gallons (000s) sold to retail customers (billed, metered)	20408905
Less: Gallons (000s) sold to retail customers (billed, unmetered)	13326
Gallons (000s) of Non-Revenue Water	6,046,649
Gallons (000s) of unbilled-metered (including customer use to prevent freezing)	196,477
Gallons (000s) of unbilled-unmetered (including unmetered flushing, fire protection)	256,609
Subtotal: Unbilled Authorized Consumption	453,086
Total Water Loss	5,593,563
Gallons (000s) estimated due to unauthorized consumption (includes theft) default option	
Gallons (000s) estimated due to data and billing errors	
Gallons (000s) estimated due to customer meter under-registration	0
Subtotal Apparent Losses	0
Gallons (000s) estimated due to reported leakage (mains, services, hydrants, overflows)	184,236
Gallons (000s) estimated due to unreported and background leakage	5,409,327
Subtotal Real Losses (leakage)	5,593,563
Non-Revenue Water as percentage of net water supplied	23%
Total Water Loss as percentage of net water supplied	21%
OTHER STATISTICS	
Maximum gallons (000s) pumped by all methods in any one day during reporting year	117,110
Date of maximum	07/15/2019
Cause of maximum	
Hot Weather.	
Minimum gallons (000s) pumped by all methods in any one day during reporting year	78,280
Date of minimum	12/25/2019
Total KWH used by the utility (including pumping, treatment facilities and other utility operations)	58,474,881
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	553
Number of service breaks repaired this year	17

Sources of Water Supply - Well Information

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

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

Sources of Water Supply - Intake Information

Description (a)	Distance From Shore (feet) (b)	Depth Below Surface (feet) (c)	Diameter (inches) (d)	
Linnwood Intake	6,565	62	144	1
Texas Intake	11,767	57	108	2

Pumping & Power Equipment

Identification (a)	Pump						Pump Motor or Standby Engine			
	Location (b)	Primary Purpose (c)	Primary Destination (d)	Year Installed (e)	Type (f)	Actual Capacity (gpm) (g)	Year Installed (j)	Type (k)	Horse-power (l)	
ADLER-PUMP #1	ADLER STATION	Booster	Distribution	2016	Centrifugal	1,111	2016	Electric	30	1
ADLER-PUMP #2	ADLER STATION	Booster	Distribution	2016	Centrifugal	1,111	2016	Electric	30	2
ADLER-PUMP #3	ADLER STATION	Booster	Distribution	2016	Centrifugal	1,111	2016	Electric	30	3
BLUEMOUND-PUMP #1	BLUEMOUND STATION	Booster	Distribution	1994	Centrifugal	1,201	1994	Electric	40	4
BLUEMOUND-PUMP #2	BLUEMOUND STATION	Booster	Distribution	1994	Centrifugal	1,201	1994	Electric	40	5
BLUEMOUND-PUMP #3	BLUEMOUND STATION	Booster	Distribution	1994	Centrifugal	1,201	1994	Electric	40	6
CAPITOL-PUMP #1	CAPITOL STATION	Booster	Distribution	1998	Centrifugal	694	1998	Electric	15	7
CAPITOL-PUMP #2	CAPITOL STATION	Booster	Distribution	1998	Centrifugal	694	1998	Electric	15	8
CAPITOL-PUMP #3	CAPITOL STATION	Booster	Distribution	1998	Centrifugal	1,389	1998	Electric	30	9
CAPITOL-PUMP #4	CAPITOL STATION	Booster	Distribution	1998	Centrifugal	1,389	1998	Electric	30	10
FLORIST-PUMP #1	FLORIST STATION	Booster	Distribution	1969	Centrifugal	8,400	1969	Electric	250	11
FLORIST-PUMP #2	FLORIST STATION	Booster	Distribution	2013	Centrifugal	6,945	2013	Electric	250	12
FLORIST-PUMP #3	FLORIST STATION	Booster	Distribution	1965	Centrifugal	2,100	1965	Electric	50	13
FLORIST-PUMP #4	FLORIST STATION	Booster	Distribution	1993	Centrifugal	4,900	1993	Electric	350	14
FLORIST-PUMP #5	FLORIST STATION	Booster	Distribution	1965	Centrifugal	4,200	1965	Electric	125	15
FLORIST-PUMP #6	FLORIST STATION	Booster	Distribution	1965	Centrifugal	5,000	1965	Electric	200	16
FLORIST-PUMP #7	FLORIST STATION	Booster	Distribution	1969	Centrifugal	14,000	1969	Electric	500	17
FLORIST-PUMP #8	FLORIST STATION	Booster	Distribution	1965	Centrifugal	9,100	1965	Electric	350	18
GRANGE-PUMP #1	GRANGE STATION	Booster	Distribution	1968	Centrifugal	3,472	1968	Electric	100	19
GRANGE-PUMP #2	GRANGE STATION	Booster	Distribution	1968	Centrifugal	3,472	1968	Electric	100	20
GRANGE-PUMP #3	GRANGE STATION	Booster	Distribution	2011	Centrifugal	8,333	2011	Electric	300	21
GRANGE-PUMP #4	GRANGE STATION	Booster	Distribution	1990	Centrifugal	6,944	1990	Electric	200	22
GRANGE-PUMP #5	GRANGE STATION	Booster	Distribution	1990	Centrifugal	6,944	1990	Electric	200	23

Pumping & Power Equipment

Identification (a)	Location (b)	Pump				Pump Motor or Standby Engine				
		Primary Purpose (c)	Primary Destination (d)	Year Installed (e)	Type (f)	Actual Capacity (gpm) (g)	Year Installed (j)	Type (k)	Horse-power (l)	
HOWARD-PUMP #1	HOWARD STATION	Primary	Treatment	1962	Centrifugal	15,972	1962	Electric	350	24
HOWARD-PUMP #2	HOWARD STATION	Primary	Distribution	2014	Centrifugal	6,944	2014	Electric	200	25
HOWARD-PUMP #4	HOWARD STATION	Primary	Distribution	1962	Centrifugal	19,444	1962	Electric	800	26
HOWARD-PUMP #5	HOWARD STATION	Primary	Treatment	1962	Centrifugal	27,778	1962	Electric	2000	27
HOWARD-PUMP #6	HOWARD STATION	Primary	Treatment	1962	Centrifugal	28,390	1962	Electric	2000	28
HOWARD-PUMP #7	HOWARD STATION	Primary	Treatment	1962	Centrifugal	28,390	1962	Electric	2000	29
HOWARD-PUMP #8	HOWARD STATION	Primary	Treatment	1962	Centrifugal	27,778	1962	Electric	2000	30
LINCOLN-PUMP #1	LINCOLN STATION	Booster	Distribution	1956	Centrifugal	2,320	1956	Electric	200	31
LINCOLN-PUMP #2	LINCOLN STATION	Booster	Distribution	1956	Centrifugal	6,944	1956	Electric	600	32
LINCOLN-PUMP #3	LINCOLN STATION	Booster	Distribution	1956	Centrifugal	6,944	1956	Electric	600	33
LINCOLN-PUMP #4	LINCOLN STATION	Booster	Distribution	1956	Centrifugal	2,320	1956	Electric	200	34
LINNWOOD-PUMP #1	LINNWOOD PLANT	Primary	Treatment	2000	Centrifugal	30,000	2000	Electric	800	35
LINNWOOD-PUMP #2	LINNWOOD PLANT	Primary	Treatment	2000	Centrifugal	30,000	2000	Electric	800	36
LINNWOOD-PUMP #3	LINNWOOD PLANT	Primary	Treatment	1938	Centrifugal	41,300	1938	Electric	450	37
LINNWOOD-PUMP #4	LINNWOOD PLANT	Primary	Treatment	1938	Centrifugal	41,300	1938	Electric	450	38
LINNWOOD-PUMP #5	LINNWOOD PLANT	Primary	Treatment	1938	Centrifugal	34,750	1938	Electric	350	39
LINNWOOD-PUMP #6	LINNWOOD PLANT	Primary	Treatment	1938	Centrifugal	34,750	1938	Electric	350	40
LINNWOOD-PUMP #7	LINNWOOD PLANT	Primary	Treatment	1938	Centrifugal	52,200	1938	Electric	500	41
LINNWOOD-PUMP #8	LINNWOOD PLANT	Primary	Treatment	1956	Centrifugal	69,500	1956	Electric	600	42
LISBON-PUMP #1	LISBON STATION	Booster	Distribution	1976	Centrifugal	4,200	1976	Electric	50	43
LISBON-PUMP #2	LISBON STATION	Booster	Distribution	1976	Centrifugal	4,167	1976	Electric	75	44
LISBON-PUMP #3	LISBON STATION	Booster	Distribution	1976	Centrifugal	4,167	1976	Electric	75	45
NORTHPOINT-PUMP #1	NORTH POINT STATION	Primary	Distribution	1963	Centrifugal	20,800	1963	Electric	2250	46
NORTHPOINT-PUMP #2	NORTH POINT STATION	Primary	Distribution	1963	Centrifugal	20,800	1963	Electric	2250	47

Pumping & Power Equipment

Identification (a)	Location (b)	Pump				Pump Motor or Standby Engine				
		Primary Purpose (c)	Primary Destination (d)	Year Installed (e)	Type (f)	Actual Capacity (gpm) (g)	Year Installed (j)	Type (k)	Horse-power (l)	
NORTHPOINT-PUMP #3	NORTH POINT STATION	Primary	Distribution	1963	Centrifugal	20,800	1963	Electric	2250	48
NORTHPOINT-PUMP #5	NORTH POINT STATION	Primary	Distribution	2005	Centrifugal	5,556	2005	Electric	350	49
NORTHPOINT-PUMP #6	NORTH POINT STATION	Primary	Distribution	2005	Centrifugal	6,950	2005	Electric	450	50
NORTHPOINT-PUMP #7	NORTH POINT STATION	Primary	Distribution	1963	Centrifugal	17,500	1963	Electric	1000	51
OKLAHOMA-PUMP #1	OKLAHOMA STATION	Booster	Distribution	1957	Centrifugal	860	1957	Electric	25	52
OKLAHOMA-PUMP #2	OKLAHOMA STATION	Booster	Distribution	1957	Centrifugal	860	1957	Electric	25	53
OKLAHOMA-PUMP #3	OKLAHOMA STATION	Booster	Distribution	1957	Centrifugal	860	1957	Electric	25	54
OKLAHOMA-PUMP #4	OKLAHOMA STATION	Booster	Distribution	1957	Centrifugal	860	1957	Electric	25	55
RIVERSIDE-PUMP #1A	RIVERSIDE STATION	Primary	Distribution	1991	Centrifugal	17,350	1991	Electric	900	56
RIVERSIDE-PUMP #1B	RIVERSIDE STATION	Primary	Distribution	1969	Centrifugal	17,350	1969	Electric	1750	57
RIVERSIDE-PUMP #2	RIVERSIDE STATION	Primary	Distribution	1969	Centrifugal	17,350	1969	Electric	1750	58
RIVERSIDE-PUMP #3A	RIVERSIDE STATION	Primary	Distribution	1955	Centrifugal	20,850	1955	Electric	2000	59
RIVERSIDE-PUMP #3B	RIVERSIDE STATION	Primary	Distribution	1955	Centrifugal	20,850	1955	Electric	2000	60
RIVERSIDE-PUMP #4	RIVERSIDE STATION	Primary	Distribution	2008	Centrifugal	17,350	2008	Electric	1750	61
RIVERSIDE-PUMP #5	RIVERSIDE STATION	Primary	Distribution	2015	Centrifugal	17,350	2015	Electric	2000	62
RIVERSIDE-PUMP #6A	RIVERSIDE STATION	Primary	Distribution	2011	Centrifugal	17,350	2011	Electric	1750	63
RIVERSIDE-PUMP #6B	RIVERSIDE STATION	Primary	Distribution	2011	Centrifugal	17,350	2011	Electric	1750	64
TEXAS-PUMP #1	TEXAS STATION	Primary	Treatment	1974	Centrifugal	38,194	1974	Electric	2000	65
TEXAS-PUMP #2	TEXAS STATION	Primary	Treatment	1961	Centrifugal	24,305	1961	Electric	1200	66
TEXAS-PUMP #3	TEXAS STATION	Primary	Treatment	1974	Centrifugal	38,194	1974	Electric	2000	67
TEXAS-PUMP #4	TEXAS STATION	Primary	Treatment	1961	Centrifugal	24,305	1961	Electric	1200	68
TEXAS-PUMP #5	TEXAS STATION	Primary	Treatment	1961	Centrifugal	24,305	1961	Electric	1200	69
TEXAS-PUMP #6	TEXAS STATION	Primary	Treatment	1974	Centrifugal	38,194	1974	Electric	2000	70
TEXAS-PUMP #7	TEXAS STATION	Primary	Treatment	1961	Centrifugal	24,305	1961	Electric	1200	71

Pumping & Power Equipment

Reservoirs, Standpipes and Elevated Tanks

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

Facility Name (a)	Facility ID Site Code (b)	Year Constructed (c)	Type (d)	Primary Material (e)	Elevation Difference in Feet (f)	Total Capacity In Gallons (g)	
FLORIST TANK - #1	S	1965	Standpipe	Concrete	36	12,000,000	1
FLORIST TANK - #2	S	1995	Standpipe	Concrete	36	12,000,000	2
GREENFIELD TANK	ET	1967	Elevated Tank	Steel	187	2,000,000	3
HAWLEY TANK	ET	1989	Elevated Tank	Steel	289	2,000,000	4
LINCOLN TANK - #1	S	1956	Standpipe	Steel	42	6,000,000	5
LINCOLN TANK - #2	S	1957	Standpipe	Steel	42	6,000,000	6

Water Treatment Plant

- Provide a generic description for (a). Do not give specific address of location.
- Please select all that apply for (d) and (e). If Other is selected please explain in Notes (h).
- Please identify 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)
HOWARD PLANT	1962	105	_ Ultraviolet Light _ Liquid Chlorine _ Gas Chlorine x Ozone _ Other _ None	x Flocculation/Sedimentation x Sand Filtration x Activated Carbon Filtration _ Membrane Filtration _ Iron Exchange _ Iron/Manganese _ Nitrate Removal _ Radium Removal _ Other	Yes	After Filtration	1
LINNWOOD PLANT	1939	275	_ Ultraviolet Light _ Liquid Chlorine _ Gas Chlorine x Ozone _ Other _ None	x Flocculation/Sedimentation x Sand Filtration x Activated Carbon Filtration _ Membrane Filtration _ Iron Exchange _ Iron/Manganese _ Nitrate Removal _ Radium Removal _ Other	Yes	After Filtration	2

Water Mains

- Report mains separately by pipe material, function, diameter and either within or outside the municipal boundaries.
- Explain all reported adjustments as a schedule footnote.
- For main additions reported in column (e), as a schedule footnote:
 - Explain how the additions were 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.
- Report all pipe larger than 72" in diameter in the 72" category.

Pipe Material (a)	Main Function (b)	Diameter (inches) (c)	Number of Feet			Adjustments Increase or (Decrease) (g)	End of Year (h)	
			First of Year (d)	Added During Year (e)	Retired During Year (f)			
Other Metal	Distribution	2	5,984				5,984	1
Other Metal	Distribution	4	42,022		16		42,006	2
Other Plastic	Distribution	4	1,026				1,026	3
Other Metal	Distribution	6	2,502,338	2,236	19,034		2,485,540	4
Other Plastic	Distribution	6	290				290	5
Other Metal	Distribution	8	3,635,057	51,737	34,123		3,652,671	6
Other Plastic	Distribution	8	2,489				2,489	7
Other Metal	Distribution	12	1,320,626	2,321	2,422		1,320,525	8
Other Metal	Transmission	16	956,460	150	212		956,398	9
Other Plastic	Transmission	16	3,477				3,477	10
Other Metal	Transmission	20	60,249				60,249	11
Other Plastic	Transmission	20	4,457				4,457	12
Other Metal	Transmission	24	34,685				34,685	13
Other Plastic	Transmission	24	17,787	14	14		17,787	14
Other Metal	Transmission	30	74,899				74,899	15
Other Plastic	Transmission	30	15,183				15,183	16
Other Metal	Transmission	36	102,121				102,121	17
Other Plastic	Transmission	36	29,729				29,729	18
Other Metal	Transmission	42	15,456				15,456	19
Other Plastic	Transmission	42	81,594				81,594	20
Other Metal	Transmission	48	24,490				24,490	21
Other Plastic	Transmission	48	26,437				26,437	22
Other Metal	Transmission	54	65,841				65,841	23
Other Plastic	Transmission	54	73,015				73,015	24
Other Plastic	Transmission	60	21,569				21,569	25
Total Within Municipality			9,117,281	56,458	55,821		9,117,918	26
Other Metal	Distribution	2	450				450	27
Other Metal	Distribution	4	6,086				6,086	28
Other Metal	Distribution	6	65,086				65,086	29
Other Metal	Distribution	8	709,375	26			709,401	30
Other Metal	Distribution	12	204,799				204,799	31
Other Metal	Transmission	16	170,526				170,526	32
Other Metal	Transmission	20	2,735				2,735	33
Other Plastic	Transmission	20	6,561				6,561	34

Water Mains

- Report mains separately by pipe material, function, diameter and either within or outside the municipal boundaries.
- Explain all reported adjustments as a schedule footnote.
- For main additions reported in column (e), as a schedule footnote:
 - Explain how the additions were 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.
- Report all pipe larger than 72" in diameter in the 72" category.

Pipe Material (a)	Main Function (b)	Diameter (inches) (c)	Number of Feet			Adjustments Increase or (Decrease) (g)	End of Year (h)	
			First of Year (d)	Added During Year (e)	Retired During Year (f)			
Other Metal	Transmission	24	15,411				15,411	35
Other Plastic	Transmission	24	8,287				8,287	36
Other Plastic	Transmission	30	3,120				3,120	37
Other Metal	Transmission	36	179				179	38
Other Plastic	Transmission	36	4,455				4,455	39
Other Plastic	Transmission	42	1,959				1,959	40
Other Plastic	Transmission	48	10,802				10,802	41
Other Plastic	Transmission	54	27,127				27,127	42
Total Outside Municipality			1,236,958	26			1,236,984	43
Total Utility			10,354,239	56,484	55,821		10,354,902	44

Water Mains

- Report mains separately by pipe material, function, diameter and either within or outside the municipal boundaries.
- Explain all reported adjustments as a schedule footnote.
- For main additions reported in column (e), as a schedule footnote:
 - Explain how the additions were 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.
- Report all pipe larger than 72" in diameter in the 72" category.

Water Mains (Page W-21)

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

Most main additions were the replacement of existing mains. These are financed from earnings and are included in Schedule W-8 (Plant Financed by Utility). The other additions were either financed by land developer or assessments. These are included in Schedule W-9 (Plant Financed by Contributions).

The basis of an assessment is one-half the cost of an 8" diameter water main, applied against the front footage of each property ownership on each side of the street where a water main is laid.

Utility-Owned Water Service Lines

- The utility's service line is the pipe from the main to and through the curb stop.
- Explain all reported adjustments as a schedule footnote.
- Report in column (h) the number of utility-owned service lines included in columns (g) which are temporarily shut off at the curb box or otherwise not in use at end of year.
- For service lines added during the year in column (d), as a schedule footnote:
 - Explain how the additions were financed.
 - If assessed against property owners, explain the basis of the assessments.
 - If installed by a property owner or developer, explain the basis of recording the cost of the additions, the total amount and the number of service lines recorded under this method.
 - If any were financed by application of Cz-1, provide the total amount recorded and the number of service lines recorded under this method.
- Report service lines separately by diameter and pipe materials.

Pipe Material (a)	Diameter (inches) (b)	First of Year (c)	Added During Year (d)	Removed or Permanently Disconnected During Year (e)	Adjustments Increase or (Decrease) (f)	End of Year (g)	NOT in Use at End of Year (h)	
Lead	0.375	5			(4)	1		1
Copper	0.375	1				1		2
Lead	0.500	179		3	(10)	166		3
Copper	0.500	4				4		4
Lead	0.625	5,987		8	(283)	5,696		5
Copper	0.625	77	2		12	91		6
Lead	0.750	37,535		347	(1,046)	36,142		7
Copper	0.750	33,573	1	8	72	33,638		8
Ductile Iron, Lined (late 1960's to present)	1.000	1			(1)	0		9
Lead	1.000	32,703		199	(525)	31,979		10
Copper	1.000	34,539	898	13	(270)	35,154		11
Lead	1.250	358		6	(20)	332		12
Copper	1.250	5,329		3	34	5,360		13
Ductile Iron, Lined (late 1960's to present)	1.500	1			(1)	0		14
Lead	1.500	107		5	(2)	100		15
Copper	1.500	3,925	11	14	27	3,949		16
Unlined Cast Iron (pre-early 1950's)	1.500	8			(8)	0		17
Ductile Iron, Lined (late 1960's to present)	2.000	2			10	12		18
Lead	2.000	9			1	10		19
Copper	2.000	3,529	7	15	24	3,545		20
Unlined Cast Iron (pre-early 1950's)	2.000	970		2	(35)	933		21
Ductile Iron, Lined (late 1960's to present)	3.000	310				310		22
Unlined Cast Iron (pre-early 1950's)	3.000	889				889		23
Ductile Iron, Lined (late 1960's to present)	4.000	1,012	2	1	3	1,016		24
Unlined Cast Iron (pre-early 1950's)	4.000	999		1	27	1,025		25
Ductile Iron, Lined (late 1960's to present)	6.000	1,732	37	4	47	1,812		26
Unlined Cast Iron (pre-early 1950's)	6.000	729		1	28	756		27

Utility-Owned Water Service Lines

- The utility's service line is the pipe from the main to and through the curb stop.
- Explain all reported adjustments as a schedule footnote.
- Report in column (h) the number of utility-owned service lines included in columns (g) which are temporarily shut off at the curb box or otherwise not in use at end of year.
- For service lines added during the year in column (d), as a schedule footnote:
 - Explain how the additions were financed.
 - If assessed against property owners, explain the basis of the assessments.
 - If installed by a property owner or developer, explain the basis of recording the cost of the additions, the total amount and the number of service lines recorded under this method.
 - If any were financed by application of Cz-1, provide the total amount recorded and the number of service lines recorded under this method.
- Report service lines separately by diameter and pipe materials.

Ductile Iron, Lined (late 1960's to present)	8.000	938	21	1	10	968	28
Unlined Cast Iron (pre-early 1950's)	8.000	107			(2)	105	29
Ductile Iron, Lined (late 1960's to present)	10.000	68	2		3	73	30
Unlined Cast Iron (pre-early 1950's)	10.000	2			(1)	1	31
Ductile Iron, Lined (late 1960's to present)	12.000	77				77	32
Unlined Cast Iron (pre-early 1950's)	12.000	9				9	33
Ductile Iron, Lined (late 1960's to present)	16.000	12			(2)	10	34
Copper	16.000				1	1	35
Unlined Cast Iron (pre-early 1950's)	16.000	3			(1)	2	36
Utility Total		165,729	981	631	(1,912)	164,167	37

Utility-Owned Water Service Lines

- The utility's service line is the pipe from the main to and through the curb stop.
- Explain all reported adjustments as a schedule footnote.
- Report in column (h) the number of utility-owned service lines included in columns (g) which are temporarily shut off at the curb box or otherwise not in use at end of year.
- For service lines added during the year in column (d), as a schedule footnote:
 - Explain how the additions were financed.
 - If assessed against property owners, explain the basis of the assessments.
 - If installed by a property owner or developer, explain the basis of recording the cost of the additions, the total amount and the number of service lines recorded under this method.
 - If any were financed by application of Cz-1, provide the total amount recorded and the number of service lines recorded under this method.
- Report service lines separately by diameter and pipe materials.

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

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

The additions were 100% Utility financed.

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

Adjustments are due to restatement of service lines size.

Total Utility-Owned Service Not In Use at End of Year is reported as zero, please explain.

All service lines that are installed can be used and are considered active.

Meters

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

Number of Utility-Owned Meters

Classification of All Meters at End of Year by Customers

Size of Meter (a)	First of Year (b)	Added During Year (c)	Retired During Year (d)	Adjust. Increase or Decrease (e)	End of Year (f)	Tested During Year (g)	Residential (h)	Commercial (i)	Industrial (j)	Public Authority (k)	Multifamily Residential (l)	Irrigation (m)	Wholesale (n)	Inter-Departmental (o)	Utility Use (p)	Additional Meters (q)	In Stock (r)	Total (s)	
5/8	117,165	6,024	8,948		114,241	8,042	100,164	4,649	272	72	2,646						6,438	114,241	1
3/4	44,010	3,190	3,352		43,848	3,738	36,338	2,654	261	73	2,382						2,140	43,848	2
1	5,346	722	311		5,757	451	684	2,030	186	186	1,970						701	5,757	3
1 1/2	3,707	81	136		3,652	369	49	1,335	183	98	1,277						710	3,652	4
2	2,393	8	114		2,287	221	14	932	208	181	404						548	2,287	5
3	727	225	212		740	371		400	82	147	58						53	740	6
4	410	59	50		419	173		236	53	87	26						17	419	7
6	195	16	15		196	196		100	36	45	7		2				6	196	8
8	100	10	11		99	99		37	9	22	7		20				4	99	9
10	43	2	6		39	39		14	6	5			10				4	39	10
12	4	2	2		4	4							4					4	11
Total	174,100	10,339	13,157		171,282	13,703	137,249	12,387	1,296	916	8,777		36				10,621	171,282	12

Meters

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

1. Indicate your residential meter replacement schedule:

Meters tested once every 10 years and replaced as needed

All meters replaced within 20 years of installation

Other schedule as approved by PSC

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

Manually - inside the premises or remote register

Automatic meter reading (AMR), drive or walk by technology, wand or touchpad

Advanced Metering Infrastructure (AMI) - fixed network

Other

Meters

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

Meters (Page W-23)

Residential Meters larger than 2 inches are unusual, please explain.

The residential class is reporting 14 meter at the 2" size. This is because of the large mansions that were built along Lake Michigan in the 1930's and 1940's.

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.

The Water Works has a variance for testing meters. Note PSC Docket 3720-WI-101. Only 115 tested meters were reported 2017 instead of 1,220.

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.

The Water Works has a variance for testing meters. Note PSC Docket 3720-WI-101.

Hydrants and Distribution System Valves

- Distinguish between fire and flushing hydrants by lead size.
 - Fire hydrants normally have a lead size of 6 inches or greater.
 - Record as a flushing hydrant where the lead size is less than 6 inches or if pressure is inadequate to provide fire flow.
- Explain all reported adjustments in the schedule footnotes.
- Report fire hydrants as within or outside the municipal boundaries.
- Number of hydrants operated during year means: opened and water withdrawn.
- 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	2,817	12	13		2,816	1
Fire - Within Municipality	17,048	283	271		17,060	2
Total Fire Hydrants	19,865	295	284	0	19,876	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	13,397
Number of Distribution System Valves end of year	50,266
Number of Distribution Valves operated during Year	1,710

Hydrants and Distribution System Valves

- Distinguish between fire and flushing hydrants by lead size.
 - Fire hydrants normally have a lead size of 6 inches or greater.
 - Record as a flushing hydrant where the lead size is less than 6 inches or if pressure is inadequate to provide fire flow.
- Explain all reported adjustments in the schedule footnotes.
- Report fire hydrants as within or outside the municipal boundaries.
- Number of hydrants operated during year means: opened and water withdrawn.
- Number of distribution valves operated during year means: fully opened and closed (exercised).

Hydrants and Distribution System Valves (Page W-25)

General Footnote

Main Valves –

The Water Distribution Facility has two exercise programs. One for valves 16" and smaller and one for valves 20" and larger. Larger valve exercising is also in conjunction with feeder main construction. These two programs have generally been successful, even though each valve is not operated within a two year time frame. If we encounter an inoperative valve during a turn off, it is relatively simple to operate the next valve in line to accomplish the turn off while minimizing inconvenience to affected customers.

Hydrants –

The Water Works and the Milwaukee Metropolitan Sewerage District (MMSD) entered into an agreement that we could only flush and inspect hydrants when their deep tunnel was below a certain level. MMSD needs to treat the sanitary and storm water before they can return it into Lake Michigan. Because of rain or melting snow, we cannot always flush and inspect hydrants due to this agreement.

List of All Station and Wholesale Meters

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

Purpose (a)	Meter Size (inches) (b)	Location or Description (c)	Type (d)	Date of Last Meter Test (e)	
Wholesale Meter	6	N 124th st- Butler-1	Magnetic	10/10/2019	1
Wholesale Meter	6	N 124th st- Butler-2	Magnetic	10/10/2019	2
Wholesale Meter	8	N 124th st Men. Fall-1	Magnetic	10/14/2019	3
Wholesale Meter	8	N 124th st Men. Fall-2	Magnetic	10/14/2019	4
Wholesale Meter	8	N 76th St-Mequon-1	Magnetic	10/10/2019	5
Wholesale Meter	8	N 76th St-Mequon-2	Magnetic	10/10/2019	6
Wholesale Meter	8	N Downer-Shorewood-1	Magnetic	10/16/2019	7
Wholesale Meter	8	N Downer-Shorewood-2	Magnetic	10/16/2019	8
Wholesale Meter	8	W Blanchard-Wauwatosa-1	Magnetic	10/14/2019	9
Wholesale Meter	8	W Blanchard-Wauwatosa-2	Magnetic	10/14/2019	10
Wholesale Meter	8	W Bradley-Brown Deer-1	Magnetic	10/14/2019	11
Wholesale Meter	8	W Bradley-Brown Deer-2	Magnetic	10/14/2019	12
Wholesale Meter	8	W Calumet-Brown Deer-1	Magnetic	10/14/2019	13
Wholesale Meter	8	W Calumet-Brown Deer-2	Magnetic	10/14/2019	14
Wholesale Meter	8	W Crawford - New Berl-1	Magnetic	10/09/2019	15
Wholesale Meter	8	W Crawford - New Berl-2	Magnetic	10/09/2019	16
Wholesale Meter	8	W Edgerton-Greendale-1	Magnetic	10/14/2019	17
Wholesale Meter	8	W Edgerton-Greendale-2	Magnetic	10/14/2019	18
Wholesale Meter	8	W Grange Av- New Berl-1	Magnetic	10/09/2019	19
Wholesale Meter	8	W Grange Av- New Berl-2	Magnetic	10/09/2019	20
Wholesale Meter	8	W North av- Milw. County-1	Magnetic	10/17/2019	21
Wholesale Meter	8	W North av- Milw. County-2	Magnetic	10/17/2019	22
Wholesale Meter	8	W Oakland-Shorewood-1	Turbine	10/16/2019	23
Wholesale Meter	10	N 124th st Men. Fall-3	Magnetic	10/14/2019	24
Wholesale Meter	10	N 124th st Men. Fall-4	Magnetic	10/14/2019	25
Wholesale Meter	10	N Glenview-Wauwatosa-1	Magnetic	10/16/2019	26
Wholesale Meter	10	N Glenview-Wauwatosa-2	Magnetic	10/16/2019	27
Wholesale Meter	10	W College-Greendale-1	Magnetic	10/14/2019	28
Wholesale Meter	10	W Edgerton-Greendale-3	Magnetic	10/14/2019	29
Wholesale Meter	10	W National - West Allis-1	Magnetic	10/17/2019	30
Wholesale Meter	10	W National - West Allis-2	Magnetic	10/17/2019	31
Wholesale Meter	10	W Pierce st- West Allis-1	Magnetic	10/17/2019	32
Wholesale Meter	10	W Pierce st- West Allis-2	Magnetic	10/17/2019	33
Wholesale Meter	12	W Clarke- Wauwatosa-1	Magnetic	10/14/2019	34
Wholesale Meter	12	W Clarke- Wauwatosa-2	Magnetic	10/14/2019	35
Wholesale Meter	12	Wisconsin Ave-County Gr-1	Turbine	10/17/2019	36
Wholesale Meter	12	Wisconsin Ave-County Gr-2	Turbine	10/17/2019	37

Water Conservation Programs

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

Item Description (a)	Expenditures (b)	Number of Rebates (c)	Water Savings Gallons (d)	
Administrative and General Expenses				1
Program Administration	0	0	0	2
Customer Outreach & Education	0	0	0	3
Other Program Costs	0	0	0	4
Total Administrative and General Expenses	0	0	0	5
Customer Incentives				6
Residential Toilets	0	0	0	7
Multifamily/Commercial Toilets	0	0	0	8
Faucets	0	0	0	9
Showerheads	0	0	0	10
Clothes Washers	0	0	0	11
Dishwashers	0	0	0	12
Smart Irrigation Controller	0	0	0	13
Commercial Pre-Rinse Spray Valves	0	0	0	14
Cost Sharing Projects (Nonresidential Customers)	0	0	0	15
Customer Water Audits	0	0	0	16
Other Incentives	0	0	0	17
Total Customer Incentives	0	0	0	18
TOTAL CONSERVATION	0	0	0	19

Water Customers Served

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

Municipality (a)	Customers End of Year (b)	
Greenfield (City)	10,614	1
Hales Corners (Village)	1,244	2
Milwaukee (City) **	144,691	3
Saint Francis (City)	2,584	4
West Milwaukee (Village)	1,068	5
Total - Milwaukee County	160,201	6
Total - Customers Served	160,201	7
Total - Outside Muni Boundary	15,510	8
Total - Within Muni Boundary **	144,691	9

** = *Within municipal boundary*

Privately-Owned Water Service Lines

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

Pipe Material (a)	Diameter (inches) (b)	First of Year (c)	Added During Year (d)	Removed or Permanently Disconnected During Year (e)	Adjustments Increase or (Decrease) (f)	End of Year (g)	Utility Owned Service Laterals Not in Use at End of Year (i)	Replaced During Year Using Financial Assistance from Utility (h)	
Lead	0.375	5		3		2			1
Copper	0.375	2				2			2
Lead	0.500	182		18	5	169			3
Copper	0.500	5			1	6			4
Lead	0.625	6,083		324	35	5,794			5
Copper	0.625	99	2	3	490	588			6
Lead	0.750	37,843		1,530	127	36,440			7
Copper	0.750	35,053	2	10	74	35,119			8
Ductile Iron, Lined (late 1960's to present)	1.000	1			(1)	0			9
Lead	1.000	32,286		773	64	31,577			10
Copper	1.000	32,487	822	13	327	33,623			11
Lead	1.250	365		32	6	339			12
Copper	1.250	6,032		4	(9)	6,019			13
Ductile Iron, Lined (late 1960's to present)	1.500	1			(1)	0			14
Lead	1.500	91		9	2	84			15
Copper	1.500	3,467	10	3	(231)	3,243			16
Unlined Cast Iron (pre-early 1950's)	1.500	8			(8)	0			17
Ductile Iron, Lined (late 1960's to present)	2.000	2			10	12			18
Lead	2.000	10			1	11			19
Copper	2.000	3,468	6	11	45	3,508			20
Unlined Cast Iron (pre-early 1950's)	2.000	970		2	(35)	933			21
Ductile Iron, Lined (late 1960's to present)	3.000	310				310			22
Unlined Cast Iron (pre-early 1950's)	3.000	889				889			23
Ductile Iron, Lined (late 1960's to present)	4.000	1,012	2	1	3	1,016			24
Lead	4.000	1			(1)	0			25
Unlined Cast Iron (pre-early 1950's)	4.000	999		1	27	1,025			26
Ductile Iron, Lined (late 1960's to present)	6.000	1,732	37	4	47	1,812			27
Lead	6.000	2			(2)	0			28
Copper	6.000	2			(2)	0			29
Unlined Cast Iron (pre-early 1950's)	6.000	729		1	28	756			30

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- Separate reporting of service lines by diameter and pipe material.

Ductile Iron, Lined (late 1960's to present)	8.000	938	21	1	10	968	31
Copper	8.000	6			(6)	0	32
Unlined Cast Iron (pre-early 1950's)	8.000	107			(2)	105	33
Ductile Iron, Lined (late 1960's to present)	10.000	68	2		3	73	34
Copper	10.000	9			(9)	0	35
Unlined Cast Iron (pre-early 1950's)	10.000	2			(1)	1	36
Ductile Iron, Lined (late 1960's to present)	12.000	77				77	37
Copper	12.000	10			(10)	0	38
Unlined Cast Iron (pre-early 1950's)	12.000	9				9	39
Ductile Iron, Lined (late 1960's to present)	16.000	12			(2)	10	40
Copper	16.000	5			(5)	0	41
Unlined Cast Iron (pre-early 1950's)	16.000	3			(1)	2	42
Utility Total		165,382	904	2,743	979	164,522	43