



3013 (02-09-04)

**ANNUAL REPORT**

OF

Name: MILWAUKEE WATER WORKS

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Principal Office: 841 N. BROADWAY ROOM 409  
MILWAUKEE, WI 53202

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For the Year Ended: DECEMBER 31, 1998

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**WATER, ELECTRIC, OR JOINT UTILITY  
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.*



## TABLE OF CONTENTS

Schedule Name	Page
General Rules for Reporting	i
Signature Page	ii
Table of Contents	iii
Identification and Ownership	iv
 <b>FINANCIAL SECTION</b>	
Income Statement	F-01
Income Statement Account Details	F-02
Income from Merchandising, Jobbing & Contract Work (Accts. 415-416)	F-03
Revenues Subject to Wisconsin Remainder Assessment	F-04
Distribution of Total Payroll	F-05
Balance Sheet	F-06
Net Utility Plant	F-07
Accumulated Provision for Depreciation and Amortization of Utility Plant	F-08
Net Nonutility Property (Accts. 121 & 122)	F-09
Accumulated Provision for Uncollectible Accounts-Cr. (Acct. 144)	F-10
Materials and Supplies	F-11
Unamortized Debt Discount & Expense & Premium on Debt (Accts. 181 and 251)	F-12
Capital Paid in by Municipality (Acct. 200)	F-13
Bonds (Accts. 221 and 222)	F-14
Notes Payable & Miscellaneous Long-Term Debt	F-15
Taxes Accrued (Acct. 236)	F-16
Interest Accrued (Acct. 237)	F-17
Contributions in Aid of Construction (Account 271)	F-18
Balance Sheet End-of-Year Account Balances	F-19
Return on Rate Base Computation	F-20
Return on Proprietary Capital Computation	F-21
Important Changes During the Year	F-22
Financial Section Footnotes	F-23
 <b>WATER OPERATING SECTION</b>	
Water Operating Revenues & Expenses	W-01
Water Operating Revenues - Sales of Water	W-02
Sales for Resale (Acct. 466)	W-03
Other Operating Revenues (Water)	W-04
Water Operation & Maintenance Expenses	W-05
Taxes (Acct. 408 - Water)	W-06
Property Tax Equivalent (Water)	W-07
Water Utility Plant in Service	W-08
Accumulated Provision for Depreciation - Water	W-10
Source of Supply, Pumping and Purchased Water Statistics	W-12
Sources of Water Supply - Ground Waters	W-13
Sources of Water Supply - Surface Waters	W-14
Pumping & Power Equipment	W-15
Reservoirs, Standpipes & Water Treatment	W-16
Water Mains	W-17
Water Services	W-18
Meters	W-19
Hydrants and Distribution System Valves	W-20
Water Operating Section Footnotes	W-21

**IDENTIFICATION AND OWNERSHIP**

**Exact Utility Name:** MILWAUKEE WATER WORKS

**Utility Address:** 841 N. BROADWAY ROOM 409  
MILWAUKEE, WI 53202

**When was utility organized?** 4/18/1871

**Report any change in name:**

**Effective Date:**

**Utility Web Site:**

**Utility employee in charge of correspondence concerning this report:**

**Name:** MR JAMES W. MEYER

**Title:** ACCOUNTANT III

**Office Address:**

841 NORTH BROADWAY RM 408  
MILWAUKEE, WI 53202

**Telephone:** (414) 286 - 2820

**Fax Number:** (414) 286 - 2672

**E-mail Address:** jmeyer@mpw.net

**Individual or firm, if other than utility employee, preparing this report:**

**Name:** NONE

**Title:**

**Office Address:**

**Telephone:**

**Fax Number:**

**E-mail Address:**

**Are records of utility audited by individuals or firms, other than utility employee?** YES

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

**Name:** KPMG PEAT MARWICK LLP

**Title:**

**Office Address:** KPMG PEAT MARWICK LLP  
777 E. WISCONSIN AVENUE  
MILWAUKEE, WI 53202

**Telephone:**

**Fax Number:**

**E-mail Address:**

**Date of most recent audit report:**

**Period covered by most recent audit:** 01/01/98 thru 12/31/98

### IDENTIFICATION AND OWNERSHIP

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**Names and titles of utility management including manager or superintendent:**

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**Name:** MS CARRIE M. LEWIS

**Title:** SUPERINTENDENT

**Office Address:**

841 NORTH BROADWAY RM 409  
MILWAUKEE, WI 53202

**Telephone:** (414) 286 - 2801

**Fax Number:** (414) 286 - 2672

**E-mail Address:**

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**Name of utility commission/committee:** JAMES C KAMINSKI, COMMISSIONER OF PUBLIC WORKS

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**Names of members of utility commission/committee:**

- MR GEORGE C BUTLER, UTIL & LICENSE COMMITTEE
  - MR MICHAEL S D'AMATO, UTIL.& LICENSE COMMITTEE
  - MR FREDERICK G GORDON, UTIL.& LICENSE COMMITTEE
  - HON JOHN O NORQUIST, MAYOR
  - MR DANIEL F SCHRAMM, UTIL & LICENSE COMMITTEE
  - MR JAMES N WITKOWIAK, UTIL.& LICENSE COMMITTEE
- 

**Is sewer service rendered by the utility?** NO

**If "yes," has the municipality, by ordinance, combined the water and sewer service into a single public utility, as provided by Wis. Stat. § 66.077 of the Wisconsin Statutes?** NO

**Date of Ordinance:**                     

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

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**Provide the following information regarding the provider(s) of contract services:**

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**Firm Name:** NONE

**Contact Person:**

**Title:**

**Telephone:**

**Fax Number:**

**E-mail Address:**

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**Contract/Agreement beginning-ending dates:**

**Provide a brief description of the nature of Contract Operations being provided:**

no contract services provided.

**INCOME STATEMENT**

Particulars (a)	This Year (b)	Last Year (c)	
<b>UTILITY OPERATING INCOME</b>			
Operating Revenues (400)	54,206,025	53,535,519	1
<b>Operating Expenses:</b>			
Operation and Maintenance Expense (401-402)	33,960,589	33,476,984	2
Depreciation Expense (403)	7,174,642	6,181,117	3
Amortization Expense (404-407)	0	0	4
Taxes (408)	7,975,218	7,814,206	5
<b>Total Operating Expenses</b>	<b>49,110,449</b>	<b>47,472,307</b>	
<b>Net Operating Income</b>	<b>5,095,576</b>	<b>6,063,212</b>	
Income from Utility Plant Leased to Others (412-413)	0	0	6
<b>Utility Operating Income</b>	<b>5,095,576</b>	<b>6,063,212</b>	
<b>OTHER INCOME</b>			
Income from Merchandising, Jobbing and Contract Work (415-416)	135,038	77,339	7
Income from Nonutility Operations (417)	0	0	8
Nonoperating Rental Income (418)	24,480	12,960	9
Interest and Dividend Income (419)	2,231,312	2,729,723	10
Miscellaneous Nonoperating Income (421)	0	0	11
<b>Total Other Income</b>	<b>2,390,830</b>	<b>2,820,022</b>	
<b>Total Income</b>	<b>7,486,406</b>	<b>8,883,234</b>	
<b>MISCELLANEOUS INCOME DEDUCTIONS</b>			
Miscellaneous Amortization (425)	0	0	12
Other Income Deductions (426)	25,133	31,134	13
<b>Total Miscellaneous Income Deductions</b>	<b>25,133</b>	<b>31,134</b>	
<b>Income Before Interest Charges</b>	<b>7,461,273</b>	<b>8,852,100</b>	
<b>INTEREST CHARGES</b>			
Interest on Long-Term Debt (427)	2,857,237	2,036,439	14
Amortization of Debt Discount and Expense (428)			15
Amortization of Premium on Debt--Cr. (429)			16
Interest on Debt to Municipality (430)	0	0	17
Other Interest Expense (431)	0	0	18
Interest Charged to Construction--Cr. (432)	1,904,276	850,441	19
<b>Total Interest Charges</b>	<b>952,961</b>	<b>1,185,998</b>	
<b>Net Income</b>	<b>6,508,312</b>	<b>7,666,102</b>	
<b>EARNED SURPLUS</b>			
Unappropriated Earned Surplus (Beginning of Year) (216)	210,947,060	204,696,161	20
Balance Transferred from Income (433)	6,508,312	7,666,102	21
Miscellaneous Credits to Surplus (434)	160,949	129,887	22
Miscellaneous Debits to Surplus--Debit (435)	1,879,985	1,545,090	23
Appropriations of Surplus--Debit (436)	0	0	24
Appropriations of Income to Municipal Funds--Debit (439)	0	0	25
<b>Total Unappropriated Earned Surplus End of Year (216)</b>	<b>215,736,336</b>	<b>210,947,060</b>	

### INCOME STATEMENT ACCOUNT DETAILS

1. 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.  
 2. Nonregulated sewer income should be reported as Income from Nonutility Operations, Account 417.

Description of Item (a)	Amount (b)	
<b>Revenues from Utility Plant Leased to Others (412):</b>		
NONE	0	1
<b>Total (Acct. 412):</b>	<b>0</b>	
<b>Expenses of Utility Plant Leased to Others (413):</b>		
NONE	0	2
<b>Total (Acct. 413):</b>	<b>0</b>	
<b>Income from Nonutility Operations (417):</b>		
NONE	0	3
<b>Total (Acct. 417):</b>	<b>0</b>	
<b>Nonoperating Rental Income (418):</b>		
Use of Water Works' properties for antenna placement	24,480	4
<b>Total (Acct. 418):</b>	<b>24,480</b>	
<b>Interest and Dividend Income (419):</b>		
Interest earned from LGIP and CDs	2,231,312	5
<b>Total (Acct. 419):</b>	<b>2,231,312</b>	
<b>Miscellaneous Nonoperating Income (421):</b>		
NONE	0	6
<b>Total (Acct. 421):</b>	<b>0</b>	
<b>Miscellaneous Amortization (425):</b>		
NONE	0	7
<b>Total (Acct. 425):</b>	<b>0</b>	
<b>Other Income Deductions (426):</b>		
Maint of Kilbourn & North Point parks - labor	3,719	8
Maint of Kilbourn & North Point parks - expenses	1,280	9
Maint of Ornamental & Drinking fountains - labor	11,440	10
Maint of Ornamental & Drinking fountains - expenses	6,107	11
Maint of Pryor Ave mineral water well - labor	643	12
Maint of Pryor Ave mineral water well - expenses	767	13
Depreciation - Non-Utility property	1,177	14
<b>Total (Acct. 426):</b>	<b>25,133</b>	
<b>Miscellaneous Credits to Surplus (434):</b>		
Tax Equivalent formula variations	160,949	15
<b>Total (Acct. 434):</b>	<b>160,949</b>	
<b>Miscellaneous Debits to Surplus (435):</b>		
1999 Debt Service taken by City 12/98	8,104,980	16
1998 Debt Service taken by City 12/97, paid out 1998	(6,224,995)	17
<b>Total (Acct. 435)--Debit:</b>	<b>1,879,985</b>	
<b>Appropriations of Surplus (436):</b>		
Detail appropriations to (from) account 215	0	18
<b>Total (Acct. 436)--Debit:</b>	<b>0</b>	

### INCOME STATEMENT ACCOUNT DETAILS

1. 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.  
 2. Nonregulated sewer income should be reported as Income from Nonutility Operations, Account 417.

Description of Item (a)	Amount (b)
<b>Appropriations of Income to Municipal Funds (439):</b>	
NONE	0 19
<b>Total (Acct. 439)--Debit:</b>	<b>0</b>

**INCOME FROM MERCHANDISING, JOBBING & CONTRACT WORK (ACCTS. 415-416)**

Particulars (a)	Water (b)	Electric (c)	Sewer (d)	Gas (e)	Total (f)	
Revenues (account 415)	238,233				238,233	1
<b>Costs and Expenses of Merchandising, Jobbing and Contract Work (416):</b>						
Cost of merchandise sold	0				0	2
Payroll	34,925				34,925	3
Materials	46,365				46,365	4
Taxes	2,389				2,389	5
<b>Other (list by major classes):</b>						
Equipment rental	1,526				1,526	6
Administrative Overhead	2,119				2,119	7
Materials Overhead, other	15,871				15,871	8
<b>Total costs and expenses</b>	<b>103,195</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>103,195</b>	
<b>Net income (or loss)</b>	<b>135,038</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>135,038</b>	

### REVENUES SUBJECT TO WISCONSIN REMAINDER ASSESSMENT

1. 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.
2. If the sewer department is not regulated by the PSC, do not report sewer department data in column (d).

Description (a)	Water Utility (b)	Electric Utility (c)	Sewer Utility (Regulated Only) (d)	Gas Utility (e)	Total (f)	
Total operating revenues	54,206,025	0	0	0	54,206,025	1
Less: interdepartmental sales	0		0	0	0	2
Less: interdepartmental rents	0	0		0	0	3
Less: return on net investment in meters charged to regulated sewer department. (Do not report if nonregulated sewer.)	0				0	4
Less: uncollectibles directly expensed as reported in water acct. 904 (690 class D), sewer acct. 843, and electric acct. 904 (590 class D) -or- Net write-offs when Accumulated Provision for Uncollectible Accounts (acct. 144) is maintained					0	5
<b>Other Increases or (Decreases) to Operating Revenues - Specify:</b>						
.					0	6
<b>Revenues subject to Wisconsin Remainder Assessment</b>	<b>54,206,025</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>54,206,025</b>	

### DISTRIBUTION OF TOTAL PAYROLL

1. Amount originally charged to clearing accounts as shown in column (b) should be shown as finally distributed in column (c).
2. 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.
3. Provide additional information in the schedule footnotes when necessary.

Accounts Charged (a)	Direct Payroll Distribution (b)	Allocation of Amounts Charged Clearing Accts. (c)	Total (d)	
Water operating expenses	14,479,935		14,479,935	1
Electric operating expenses			0	2
Gas operating expenses			0	3
Heating operating expenses			0	4
Sewer operating expenses			0	5
Merchandising and jobbing	34,925		34,925	6
Other nonutility expenses	15,802		15,802	7
Water utility plant accounts	2,143,680		2,143,680	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	377,351		377,351	19
<b>Total Payroll</b>	<b>17,051,693</b>	<b>0</b>	<b>17,051,693</b>	

**BALANCE SHEET**

<b>Assets and Other Debits (a)</b>	<b>Balance End of Year (b)</b>	<b>Balance First of Year (c)</b>	
<b>UTILITY PLANT</b>			
Utility Plant (101-107)	432,161,180	389,768,242	1
Less: Accumulated Provision for Depreciation and Amortization (111-116)	103,393,161	98,317,587	2
<b>Net Utility Plant</b>	<b>328,768,019</b>	<b>291,450,655</b>	
Utility Plant Acquisition Adjustments (117-118)	0	0	3
Other Utility Plant Adjustments (119)	0	0	4
<b>Total Net Utility Plant</b>	<b>328,768,019</b>	<b>291,450,655</b>	
<b>OTHER PROPERTY AND INVESTMENTS</b>			
Nonutility Property (121)	563,903	563,903	5
Less: Accumulated Provision for Depreciation and Amortization of Nonutility Property (122)	117,799	116,622	6
<b>Net Nonutility Property</b>	<b>446,104</b>	<b>447,281</b>	
Investment in Municipality (123)	0	0	7
Other Investments (124)	0	0	8
Special Funds (125-128)	0	0	9
<b>Total Other Property and Investments</b>	<b>446,104</b>	<b>447,281</b>	
<b>CURRENT AND ACCRUED ASSETS</b>			
Cash and Working Funds (131)	2,890,792	2,429,126	10
Special Deposits (132-134)	24,751,917	57,363,971	11
Working Funds (135)	500	500	12
Temporary Cash Investments (136)	0	0	13
Notes Receivable (141)	0	0	14
Customer Accounts Receivable (142)	9,226,192	8,521,473	15
Other Accounts Receivable (143)	0	0	16
Accumulated Provision for Uncollectible Accounts- -Cr. (144)	0	0	17
Receivables from Municipality (145)	0	0	18
Materials and Supplies (151-163)	2,397,427	2,073,801	19
Prepayments (165)	61,813	91,806	20
Interest and Dividends Receivable (171)	203,818	812,514	21
Accrued Utility Revenues (173)	0	0	22
Miscellaneous Current and Accrued Assets (174)	116,411	69,911	23
<b>Total Current and Accrued Assets</b>	<b>39,648,870</b>	<b>71,363,102</b>	
<b>DEFERRED DEBITS</b>			
Unamortized Debt Discount and Expense (181)	0	0	24
Other Deferred Debits (182-186)	1,029,796	884,898	25
<b>Total Deferred Debits</b>	<b>1,029,796</b>	<b>884,898</b>	
<b>Total Assets and Other Debits</b>	<b>369,892,789</b>	<b>364,145,936</b>	

**BALANCE SHEET**

<b>Liabilities and Other Credits (a)</b>	<b>Balance End of Year (b)</b>	<b>Balance First of Year (c)</b>	
<b>PROPRIETARY CAPITAL</b>			
Capital Paid in by Municipality (200)	0	0	<b>26</b>
Appropriated Earned Surplus (215)	0	0	<b>27</b>
Unappropriated Earned Surplus (216)	215,736,336	210,947,060	<b>28</b>
<b>Total Proprietary Capital</b>	<b>215,736,336</b>	<b>210,947,060</b>	
<b>LONG-TERM DEBT</b>			
Bonds (221-222)	66,917,610	47,410,740	<b>29</b>
Advances from Municipality (223)	0	0	<b>30</b>
Other Long-Term Debt (224)	0	0	<b>31</b>
<b>Total Long-Term Debt</b>	<b>66,917,610</b>	<b>47,410,740</b>	
<b>CURRENT AND ACCRUED LIABILITIES</b>			
Notes Payable (231)	0	0	<b>32</b>
Accounts Payable (232)	643,235	13,238,805	<b>33</b>
Payables to Municipality (233)	12,347,358	19,153,710	<b>34</b>
Customer Deposits (235)	0	0	<b>35</b>
Taxes Accrued (236)	104,629	0	<b>36</b>
Interest Accrued (237)	339,903	302,585	<b>37</b>
Matured Long-Term Debt (239)	0	0	<b>38</b>
Matured Interest (240)	0	0	<b>39</b>
Tax Collections Payable (241)	0	0	<b>40</b>
Miscellaneous Current and Accrued Liabilities (242)	3,558,707	5,079,959	<b>41</b>
<b>Total Current and Accrued Liabilities</b>	<b>16,993,832</b>	<b>37,775,059</b>	
<b>DEFERRED CREDITS</b>			
Unamortized Premium on Debt (251)	0	0	<b>42</b>
Customer Advances for Construction (252)	0	0	<b>43</b>
Other Deferred Credits (253)	0	0	<b>44</b>
<b>Total Deferred Credits</b>	<b>0</b>	<b>0</b>	
<b>OPERATING RESERVES</b>			
Property Insurance Reserve (261)	0	0	<b>45</b>
Injuries and Damages Reserve (262)	0	0	<b>46</b>
Pensions and Benefits Reserve (263)	0	0	<b>47</b>
Miscellaneous Operating Reserves (265)	0	0	<b>48</b>
<b>Total Operating Reserves</b>	<b>0</b>	<b>0</b>	
<b>CONTRIBUTIONS IN AID OF CONSTRUCTION</b>			
Contributions in Aid of Construction (271)	70,245,011	68,013,077	<b>49</b>
<b>Total Liabilities and Other Credits</b>	<b>369,892,789</b>	<b>364,145,936</b>	

**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)	Sewer (c)	Gas (d)	Electric (e)	
<b>Plant Accounts:</b>					
Utility Plant in Service (101)	417,886,510	0	0	0	1
Utility Plant Purchased or Sold (102)	0				2
Utility Plant in Process of Reclassification (103)	0				3
Utility Plant Leased to Others (104)	0				4
Property Held for Future Use (105)	0				5
Completed Construction not Classified (106)	0				6
Construction Work in Progress (107)	14,274,670				7
<b>Total Utility Plant</b>	432,161,180	0	0	0	
<b>Accumulated Provision for Depreciation and Amortization:</b>					
Accumulated Provision for Depreciation of Utility Plant in Service (111)	103,393,161	0	0	0	8
Accumulated Provision for Depreciation of Utility Plant Leased to Others (112)	0				9
Accumulated Provision for Depreciation of Property Held for Future Use (113)	0				10
Accumulated Provision for Amortization of Utility Plant in Service (114)	0				11
Accumulated Provision for Amortization of Utility Plant Leased to Others (115)	0				12
Accumulated Provision for Amortization of Property Held for Future Use (116)	0				13
<b>Total Accumulated Provision</b>	103,393,161	0	0	0	
<b>Net Utility Plant</b>	328,768,019	0	0	0	

## ACCUMULATED PROVISION FOR DEPRECIATION AND AMORTIZATION OF UTILITY PLANT

Depreciation Accruals (Credits) during the year:

1. Report the amounts charged in the operating sections to Depreciation Expense (403).
2. If sewer operations are nonregulated, do not report sewer depreciation on this schedule.
3. 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.
4. Report all other accruals charged to other accounts, such as to clearing accounts.

Particulars (a)	Water (b)	(c)	(d)	(e)	Total (f)	
<b>Balance first of year</b>	98,317,587				<b>98,317,587</b>	<b>1</b>
<b>Credits During Year</b>						<b>2</b>
<b>Accruals:</b>						<b>3</b>
Charged depreciation expense (403)	7,174,642				<b>7,174,642</b>	<b>4</b>
Depreciation expense on meters						<b>5</b>
charged to sewer (see Note 3)	602,757				<b>602,757</b>	<b>6</b>
Accruals charged other						<b>7</b>
accounts (specify):						<b>8</b>
					<b>0</b>	<b>9</b>
Salvage	212,617				<b>212,617</b>	<b>10</b>
Other credits (specify):						<b>11</b>
					<b>0</b>	<b>12</b>
<b>Total credits</b>	<b>7,990,016</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>7,990,016</b>	<b>13</b>
<b>Debits during year</b>						<b>14</b>
Book cost of plant retired	2,729,179				<b>2,729,179</b>	<b>15</b>
Cost of removal	185,263				<b>185,263</b>	<b>16</b>
Other debits (specify):						<b>17</b>
					<b>0</b>	<b>18</b>
<b>Total debits</b>	<b>2,914,442</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2,914,442</b>	<b>19</b>
<b>Balance End of Year</b>	<b>103,393,161</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>103,393,161</b>	<b>20</b>
						<b>21</b>
						<b>22</b>

**NET NONUTILITY PROPERTY (ACCTS. 121 & 122)**

1. Report separately each item of property with a book cost of \$5,000 or more included in account 121.
2. Other items may be grouped by classes of property.
3. 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
<b>Other (specify):</b>					
Kilbourn Park Structures & Improvements	16,480			16,480	2
Kilbourn Park Equipment	8,320			8,320	3
Land - Grange Station	23,604			23,604	4
Land - Howard Treatment Plant	338,960			338,960	5
Riverside Park Equipment	11,238			11,238	6
Riverside Park - Structures & Improvem.	17,708			17,708	7
North Point Tower	53,239			53,239	8
North Point Parks - Struc. & Improvem.	65,728			65,728	9
Land - Bluemound Tank Site	6,759			6,759	10
Land - Florist Station	21,867			21,867	11
<b>Total Nonutility Property (121)</b>	<b>563,903</b>	<b>0</b>	<b>0</b>	<b>563,903</b>	
Less accum. prov. depr. & amort. (122)	116,622	1,177	0	117,799	12
<b>Net Nonutility Property</b>	<b>447,281</b>	<b>(1,177)</b>	<b>0</b>	<b>446,104</b>	

**ACCUMULATED PROVISION FOR UNCOLLECTIBLE ACCOUNTS-CR. (ACCT. 144)**

Particulars (a)	Amount (b)
Balance first of year	0 1
<b>Additions:</b>	
Provision for uncollectibles during year	0 2
Collection of accounts previously written off: Utility Customers	0 3
Collection of accounts previously written off: Others	0 4
<b>Total Additions</b>	<b>0</b>
<b>Deductions:</b>	
Accounts written off during the year: Utility Customers	0 5
Accounts written off during the year: Others	0 6
<b>Total accounts written off</b>	<b>0</b>
<b>Balance end of year</b>	<b>0</b>

**MATERIALS AND SUPPLIES**

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

<b>Account</b>	<b>Total End of Year</b>	<b>Amount Prior Year</b>
Electric utility total	0	0 1
Water utility (154)	2,397,427	2,073,801 2
Sewer utility (154)		0 3
Heating utility (154)		0 4
Gas utility (154)		0 5
Merchandise (155)		0 6
Other materials & supplies (156)		0 7
Stores expense (163)		0 8
<b>Total Materials and Supplies</b>	<u>2,397,427</u>	<u>2,073,801</u>

**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)		
<b>Unamortized debt discount &amp; expense (181)</b>				
0	0	0	0	1
<b>Total</b>			<b>0</b>	
<b>Unamortized premium on debt (251)</b>				
0	0	0	0	2
<b>Total</b>			<b>0</b>	

**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.

Particulars (a)	Amount (b)
Balance first of year	0 1
<b>Changes during year (explain):</b>	
None	0 2
<b>Balance end of year</b>	<u><u>0</u></u>

**BONDS (ACCTS. 221 AND 222)**

1. Report hereunder information required for each separate issue of bonds.
2. If there is more than one interest rate for an aggregate obligation issue, average the interest rates and report one rate.
3. Proceeds advanced by the municipality from sale of general obligation bonds, if repayable by utility, should be included in account 223.

Description of Issue (a)	Date of Issue (b)	Final Maturity Date (c)	Interest Rate (d)	Principal Amount End of Year (e)	
Series C - 1st Issue	06/15/1995	06/15/2010	5.00%	2,000,364	<b>1</b>
Series D - 1st Issue	11/15/1995	11/15/2010	5.00%	5,869,160	<b>2</b>
Series C/D - Refunding Issue	01/23/1996	02/01/2015	5.83%	4,913,738	<b>3</b>
Series E - 1st Issue	06/11/1996	06/11/2011	5.49%	7,797,408	<b>4</b>
Series F - 1st Issue	11/12/1996	11/12/2011	4.97%	11,353,056	<b>5</b>
Series G - 1st Issue	06/15/1997	06/15/2012	4.93%	3,930,879	<b>6</b>
Series J - 1st Issue	12/01/1997	12/01/2012	4.78%	8,135,852	<b>7</b>
Series K - 1st Issue	06/15/1998	06/15/2013	4.64%	18,044,000	<b>8</b>
SDW - 1st Issue	12/22/1998	12/22/2018	2.64%	4,873,153	<b>9</b>
<b>Total Bonds (Account 221):</b>				<b>66,917,610</b>	
Total Reacquired Bonds (Account 222)				0	<b>10</b>

**Net amount of bonds outstanding December 31: 66,917,610**

### NOTES PAYABLE & MISCELLANEOUS LONG-TERM DEBT

- 1. Report each class of debt included in Accounts 223, 224 and 231.
- 2. Proceeds of general obligation issues, if subject to repayment by the utility, should be included in Account 223.
- 3. If there is more than one interest rate for an aggregate obligation issue, average the interest rates and report one rate.

<b>Account and Description of Obligation (a and b)</b>	<b>Date of Issue (c)</b>	<b>Final Maturity Date (d)</b>	<b>Interest Rate (e)</b>	<b>Principal Amount End of Year (f)</b>
--	------------------------------	------------------------------------	------------------------------	---

NONE

**TAXES ACCRUED (ACCT. 236)**

Particulars (a)	Amount (b)	
Balance first of year	0	1
<b>Accruals:</b>		
Charged water department expense	7,907,550	2
Charged electric department expense		3
Charged sewer department expense		4
<b>Other (explain):</b>		
NONE		5
<b>Total Accruals and other credits</b>	<u>7,907,550</u>	
<b>Taxes paid during year:</b>		
County, state and local taxes	6,768,779	6
Social Security taxes	1,034,142	7
PSC Remainder Assessment		8
<b>Other (explain):</b>		
NONE		9
<b>Total payments and other debits</b>	<u>7,802,921</u>	
<b>Balance end of year</b>	<u><u>104,629</u></u>	

### INTEREST ACCRUED (ACCT. 237)

1. Report below interest accrued on each utility obligation.  
 2. Report Customer Deposits under Account 231.

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)	
<b>Bonds (221)</b>					
Series C - 1st Issue	4,708	104,442	105,102	4,048	1
Series D - 1st Issue	40,167	316,751	321,336	35,582	2
Series C & D Refunding Issue	117,748	295,096	282,596	130,248	3
Series E - 1st Issue	18,946	438,439	439,691	17,694	4
Series F - 1st Issue	78,600	623,336	628,796	73,140	5
Series G - 1st Issue	8,952	207,202	207,789	8,365	6
Series J - 1st Issue	33,464	399,632	401,572	31,524	7
Series K 1st Issue		469,123	433,037	36,086	8
SDW - 1st Issue		3,216	0	3,216	9
<b>Subtotal</b>	<b>302,585</b>	<b>2,857,237</b>	<b>2,819,919</b>	<b>339,903</b>	
<b>Advances from Municipality (223)</b>					
NONE	0			0	10
<b>Subtotal</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	
<b>Other Long-Term Debt (224)</b>					
NONE	0			0	11
<b>Subtotal</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	
<b>Notes Payable (231)</b>					
NONE	0			0	12
<b>Subtotal</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	
<b>Total</b>	<b>302,585</b>	<b>2,857,237</b>	<b>2,819,919</b>	<b>339,903</b>	

**CONTRIBUTIONS IN AID OF CONSTRUCTION (ACCOUNT 271)**

Particulars (a)	Water (b)	Electric		Sewer (e)	Gas (f)	Total (g)	
		Distribution (c)	Other (d)				
Balance First of Year	68,013,077	0	0	0	0	<b>68,013,077</b>	1
<b>Add credits during year:</b>							
For Services						<b>0</b>	2
For Mains	2,231,934					<b>2,231,934</b>	3
<b>Other (specify):</b>							
NONE						<b>0</b>	4
<b>Deduct charges (specify):</b>							
NONE						<b>0</b>	5
<b>Balance End of Year</b>	<b>70,245,011</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>70,245,011</b>	
Amount of federal and state grants in aid received for utility construction included in End of Year totals	2,512,669					<b>2,512,669</b>	6

### BALANCE SHEET END-OF-YEAR ACCOUNT BALANCES

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.

Particulars (a)	Balance End of Year (b)	
<b>Investment in Municipality (123):</b>		
NONE		1
<b>Total (Acct. 123):</b>	<b>0</b>	
<b>Other Investments (124):</b>		
NONE		2
<b>Total (Acct. 124):</b>	<b>0</b>	
<b>Sinking Funds (125):</b>		
NONE		3
<b>Total (Acct. 125):</b>	<b>0</b>	
<b>Depreciation Fund (126):</b>		
NONE		4
<b>Total (Acct. 126):</b>	<b>0</b>	
<b>Other Special Funds (128):</b>		
NONE		5
<b>Total (Acct. 128):</b>	<b>0</b>	
<b>Interest Special Deposits (132):</b>		
NONE		6
<b>Total (Acct. 132):</b>	<b>0</b>	
<b>Other Special Deposits (134):</b>		
Investments by City Treasurer	24,751,917	7
<b>Total (Acct. 134):</b>	<b>24,751,917</b>	
<b>Notes Receivable (141):</b>		
NONE		8
<b>Total (Acct. 141):</b>	<b>0</b>	
<b>Customer Accounts Receivable (142):</b>		
Water	8,610,864	9
Electric		10
Sewer (Regulated)		11
<b>Other (specify):</b>		
Merchandising, Jobbing and Miscellaneous billings	615,328	12
<b>Total (Acct. 142):</b>	<b>9,226,192</b>	
<b>Other Accounts Receivable (143):</b>		
Sewer (Non-regulated)		13
Merchandising, jobbing and contract work		14
<b>Other (specify):</b>		
NONE		15
<b>Total (Acct. 143):</b>	<b>0</b>	

### BALANCE SHEET END-OF-YEAR ACCOUNT BALANCES

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.

Particulars (a)	Balance End of Year (b)	
<b>Receivables from Municipality (145):</b>		
NONE		16
<b>Total (Acct. 145):</b>	0	
<b>Prepayments (165):</b>		
Postage and Remainder Assessment	61,813	17
<b>Total (Acct. 165):</b>	61,813	
<b>Extraordinary Property Losses (182):</b>		
NONE		18
<b>Total (Acct. 182):</b>	0	
<b>Preliminary Survey and Investigation Charges (183):</b>		
NONE		19
<b>Total (Acct. 183):</b>	0	
<b>Clearing Accounts (184):</b>		
NONE		20
<b>Total (Acct. 184):</b>	0	
<b>Temporary Facilities (185):</b>		
NONE		21
<b>Total (Acct. 185):</b>	0	
<b>Miscellaneous Deferred Debits (186):</b>		
Billable Work in Progress	1,029,796	22
<b>Total (Acct. 186):</b>	1,029,796	
<b>Payables to Municipality (233):</b>		
Due to City of Milwaukee	12,347,358	23
<b>Total (Acct. 233):</b>	12,347,358	
<b>Other Deferred Credits (253):</b>		
NONE		24
<b>Total (Acct. 253):</b>	0	

### RETURN ON RATE BASE COMPUTATION

1. The data used in calculating rate base are averages.
2. 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.
3. Note: 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)	Sewer (d)	Gas (e)	Total (f)	
<b>Add Average:</b>						
Utility Plant in Service	384,887,360	0	0	0	<b>384,887,360</b>	<b>1</b>
Materials and Supplies	2,235,614	0	0	0	<b>2,235,614</b>	<b>2</b>
<b>Other (specify):</b>					<b>0</b>	<b>3</b>
<b>Less Average:</b>						
Reserve for Depreciation	100,855,374	0	0	0	<b>100,855,374</b>	<b>4</b>
Customer Advances for Construction					<b>0</b>	<b>5</b>
Contributions in Aid of Construction	69,129,044	0	0	0	<b>69,129,044</b>	<b>6</b>
<b>Other (specify):</b>					<b>0</b>	<b>7</b>
<b>Average Net Rate Base</b>	<b>217,138,556</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>217,138,556</b>	
Net Operating Income	5,095,576	0	0	0	<b>5,095,576</b>	<b>8</b>
<b>Net Operating Income as a percent of Average Net Rate Base</b>	<b>2.35%</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>	<b>2.35%</b>	

## RETURN ON PROPRIETARY CAPITAL COMPUTATION

1. The data used in calculating proprietary capital are averages.  
 2. Calculate those averages by summing the first-of-year and end-of-year figures for each account and then dividing by two.

Description (a)	Amount (b)	
<b>Average Proprietary Capital</b>		
Capital Paid in by Municipality	0	1
Appropriated Earned Surplus	0	2
Unappropriated Earned Surplus	213,341,698	3
<b>Other (Specify):</b>		4
<b>Total Average Proprietary Capital</b>	<b>213,341,698</b>	
<b>Net Income</b>		
Net Income	6,508,312	5
<b>Percent Return on Proprietary Capital</b>	<b>3.05%</b>	

## IMPORTANT CHANGES DURING THE YEAR

Report changes of any of the following types:

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**1. Acquisitions.**

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**2. Leaseholder changes.**

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**3. Extensions of service.**

The Village of Menomonee Falls entered into an agreement for water service at wholesale prices in 1997, expecting to commence service in 1998. However, service did not commence in 1998. Physical connections for water delivery were still under construction at year end 1998. Water service is expected to begin some time in 1999. Once service is underway, initial full year revenues to the Milwaukee Water Works are expected to approximate \$700,000.

During 1998, Wisconsin Gas Company (WGC) received Wisconsin Public Service Commission approval to also operate as a water utility. WGC subsequently signed an agreement with the City of Mequon to provide water to 500 of Mequon's customers in an area previously served by Mequon. Thereafter, WGC entered into a five year agreement with the City of Milwaukee Water Works to buy water, with service to begin some time in 1999.

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**4. Estimated changes in revenues due to rate changes.**

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**5. Obligations incurred or assumed, excluding commercial paper.**

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**6. Formal proceedings with the Public Service Commission.**

In September, 1998, the Milwaukee Water Works filed an application with the Public Service Commission of Wisconsin to increase rates. As of year end 1998 the rate review process was underway. At 12/31/98, no hearing date had been set, but a hearing is expected to occur sometime in 1999.

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**7. Any additional matters.**

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## FINANCIAL SECTION FOOTNOTES

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### Income Statement Account Details (Page F-02)

Account 434, Miscellaneous Credits to Surplus: Tax Equivalent Variations. The City of Milwaukee charges the Water Works the City and MPS property tax rates, but does not charge Water Works the Vocational School property tax rate. Also, for Water Works' purposes the City does not recognize a portion of the State Tax Credit. Thus, for 1998, the City charged Water Works a Tax Equivalent of \$6,878,805. The PSC authorized the Water Works to recognize a Tax Equivalent expense of \$7,039,754. The difference of \$160,949 is recorded by the Water Works as a credit to Surplus.

Account 435, Miscellaneous Debits to Surplus: Debt Service Payments. Each year at year end, by State Statute, the City must take cash from the Water Works in an amount equal to the coming year's debt service. The Water Works records this as a debit to Surplus. At the end of that year, the City returns the cash to the Water Works and the Water Works uses it to pay its debt service. The Water Works records the receipt of the returned cash as a credit to Surplus. These entries began to appear in the Water Works Income Statement in 1995 when the Water Works began borrowing to pay for the ozone, water treatment and intake extension projects. For 1998, the City took \$8,104,980 to pay the 1999 debt service. This was a debit to Surplus. The City returned to the Water Works \$6,224,995, to be used to pay the 1998 debt service. This was a credit to Surplus.

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### Return on Rate Base Computation (Page F-20)

Please note the software drops the hundred million digit. Therefore:

Line 1        384,887,360

Line 4        100,855,373

After Line 7, Average Net Rate Base, 217,138,557.

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## FINANCIAL SECTION FOOTNOTES

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### Identification and Ownership (Page iv)

6/14/99 email response from James Meyer, Milwaukee Water Utility:

Concerning the 1998 Milwaukee Water Annual Report, page W-20:

Outside Municipality were added 110 and removed 31 resulting in 604 at end of year.

Within Municipality were added 250 and removed 228 resulting in 18,884 at end of year.

Total hydrants added 360 and removed 259 resulting in 19,488 at end of year.

Dear Mr. Meyer:

The Public Service Commission is in the process of completing analytical reviews and we are trying to complete as many as possible via email. I've reviewed your report and have only one question:

Dollars are reported added and retired in Account 348, Hydrants, in Utility Plant in Service. However, there are no corresponding unit additions or retirements reported in the Hydrants and Distribution System Valve schedule. Please explain why there were not any unit additions or retirements.

Please reply by email within 30 days.

Your answer will close our 1998 review.

Thank you for your cooperation with our review.

Elaine Engelke  
Financial Specialist

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**WATER OPERATING REVENUES & EXPENSES**

Particulars (a)	Amounts (b)	
<b>Operating Revenues</b>		
<b>Sales of Water</b>		
Sales of Water (460-467)	52,496,707	1
<b>Total Sales of Water</b>	<b>52,496,707</b>	
<b>Other Operating Revenues</b>		
Forfeited Discounts (470)	1,174,710	2
Miscellaneous Service Revenues (471)	136,333	3
Rents from Water Property (472)	0	4
Interdepartmental Rents (473)	0	5
Other Water Revenues (474)	398,275	6
Amortization of Construction Grants (475)	0	7
<b>Total Other Operating Revenues</b>	<b>1,709,318</b>	
<b>Total Operating Revenues</b>	<b>54,206,025</b>	
<b>Operation and Maintenance Expenses</b>		
Source of Supply Expense (600-617)	0	8
Pumping Expenses (620-633)	5,351,587	9
Water Treatment Expenses (640-652)	6,633,169	10
Transmission and Distribution Expenses (660-678)	13,486,887	11
Customer Accounts Expenses (901-905)	1,132,742	12
Sales Expenses (910)	0	13
Administrative and General Expenses (920-932)	7,356,204	14
<b>Total Operation and Maintenance Expenses</b>	<b>33,960,589</b>	
<b>Other Operating Expenses</b>		
Depreciation Expense (403)	7,174,642	15
Amortization Expense (404-407)	0	16
Taxes (408)	7,975,218	17
<b>Total Other Operating Expenses</b>	<b>15,149,860</b>	
<b>Total Operating Expenses</b>	<b>49,110,449</b>	
<b>NET OPERATING INCOME</b>	<b>5,095,576</b>	

## WATER OPERATING REVENUES - SALES OF WATER

1. Where customer meters record cubic feet, multiply by 7.48 to obtain number of gallons.
2. Report estimated gallons for unmetered sales.
3. Sales to multiple dwelling buildings through a single meter serving 3 or more family units should be classified commercial.
4. Bulk sales should be account 460.

Particulars (a)	Average No. Customers (b)	Thousands of Gallons of Water Sold (c)	Amounts (d)	
<b>Operating Revenues</b>				
<b>Sales of Water</b>				
Unmetered Sales to General Customers (460)				
Residential				1
Commercial	349	26,258	83,775	2
Industrial				3
<b>Total Unmetered Sales to General Customers (460)</b>	<b>349</b>	<b>26,258</b>	<b>83,775</b>	
Metered Sales to General Customers (461)				
Residential	141,453	14,357,840	22,056,467	4
Commercial	14,650	9,936,113	12,706,177	5
Industrial	1,368	8,590,478	6,972,680	6
<b>Total Metered Sales to General Customers (461)</b>	<b>157,471</b>	<b>32,884,431</b>	<b>41,735,324</b>	
Private Fire Protection Service (462)	1,938		473,448	7
Public Fire Protection Service (463)	10		4,058,956	8
Other Sales to Public Authorities (464)	292	2,059,133	1,637,589	9
Sales to Irrigation Customers (465)			0	10
Sales for Resale (466)	9	6,790,147	4,507,615	11
Interdepartmental Sales (467)				12
<b>Total Sales of Water</b>	<b>160,069</b>	<b>41,759,969</b>	<b>52,496,707</b>	

**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)	
City of Wauwatosa	W. City Limits (3 Points)	2,384,372	1,537,348	<b>1</b>
City of West Allis	S.77 & W. Pierce, S 56 & W National	2,772,434	1,722,286	<b>2</b>
Cudahy, N. Shore, Butler, Greendale	Standby Charges		11,414	<b>3</b>
Village of Brown Deer	N. City Limits (2 Points)	578,617	409,653	<b>4</b>
Village of Greendale	S. 60th St & W. Edgerton Ave	581,611	474,505	<b>5</b>
Village of Shorewood	NE City Limits (2 Points)	473,113	352,409	<b>6</b>
<b>Total</b>		<b>6,790,147</b>	<b>4,507,615</b>	

### OTHER OPERATING REVENUES (WATER)

1. Report revenues relating to each account and fully describe each item using other than the account title.  
 2. 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.  
 3. 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).

Particulars (a)	Amount (b)	
<b>Public Fire Protection Service (463):</b>		
Amount billed (usually per rate schedule F-1)	3,730,636	1
Wholesale fire protection billed	328,320	2
Amount billed for fighting fires outside utility's service areas (usually per rate schedule F-2 or BW-1)	0	3
<b>Other (specify):</b> NONE		4
<b>Total Public Fire Protection Service (463)</b>	<b>4,058,956</b>	
<b>Forfeited Discounts (470):</b>		
Customer late payment charges	882,128	5
<b>Other (specify):</b> Delinquent Penalties - Tax Roll Accounts	292,582	6
<b>Total Forfeited Discounts (470)</b>	<b>1,174,710</b>	
<b>Miscellaneous Service Revenues (471):</b>		
Accomodation Water Service	6,122	7
Investigation Charges	277	8
Collection Fees	14,270	9
Status of Account Fees	88,529	10
NSF Check Fees	5,664	11
Meter Reset Fees	5,805	12
Final Bill Fees	15,666	13
<b>Total Miscellaneous Service Revenues (471)</b>	<b>136,333</b>	
<b>Rents from Water Property (472):</b>		
NONE		14
<b>Total Rents from Water Property (472)</b>	<b>0</b>	
<b>Interdepartmental Rents (473):</b>		
NONE		15
<b>Total Interdepartmental Rents (473)</b>	<b>0</b>	
<b>Other Water Revenues (474):</b>		
Return on net investment in meters charged to sewer department	359,507	16
<b>Other (specify):</b> Reimbursement from Sewer User in excess of expenditures	39,932	17
Profit (Loss) on sale of materials and supplies	(1,164)	18
<b>Total Other Water Revenues (474)</b>	<b>398,275</b>	
<b>Amortization of Construction Grants (475):</b>		
NONE		19
<b>Total Amortization of Construction Grants (475)</b>	<b>0</b>	

## WATER OPERATION & MAINTENANCE EXPENSES

Each expense account that has an increase or a decrease when compared to the previous year of greater than 15 percent, but not less than \$10,000, shall be fully explained in the schedule footnotes.

<b>Particulars (a)</b>	<b>Amount (b)</b>	
<b>SOURCE OF SUPPLY EXPENSES</b>		
Operation Supervision and Engineering (600)		1
Operation Labor and Expenses (601)		2
Purchased Water (602)		3
Miscellaneous Expenses (603)		4
Rents (604)		5
Maintenance Supervision and Engineering (610)		6
Maintenance of Structures and Improvements (611)		7
Maintenance of Collecting and Impounding Reservoirs (612)		8
Maintenance of Lake, River and Other Intakes (613)		9
Maintenance of Wells and Springs (614)		10
Maintenance of Infiltration Galleries and Tunnels (615)		11
Maintenance of Supply Mains (616)		12
Maintenance of Miscellaneous Water Source Plant (617)		13
<b>Total Source of Supply Expenses</b>	<b>0</b>	
<b>PUMPING EXPENSES</b>		
Operation Supervision and Engineering (620)		14
Fuel for Power Production (621)		15
Power Production Labor and Expenses (622)		16
Fuel or Power Purchased for Pumping (623)	3,341,567	17
Pumping Labor and Expenses (624)	203,457	18
Expenses Transferred--Credit (625)		19
Miscellaneous Expenses (626)	300,355	20
Rents (627)		21
Maintenance Supervision and Engineering (630)	163,370	22
Maintenance of Structures and Improvements (631)	715,228	23
Maintenance of Power Production Equipment (632)		24
Maintenance of Pumping Equipment (633)	627,610	25
<b>Total Pumping Expenses</b>	<b>5,351,587</b>	
<b>WATER TREATMENT EXPENSES</b>		
Operation Supervision and Engineering (640)	288,634	26
Chemicals (641)	1,133,314	27

## WATER OPERATION & MAINTENANCE EXPENSES

Each expense account that has an increase or a decrease when compared to the previous year of greater than 15 percent, but not less than \$10,000, shall be fully explained in the schedule footnotes.

<b>Particulars (a)</b>	<b>Amount (b)</b>	
<b>WATER TREATMENT EXPENSES</b>		
Operation Labor and Expenses (642)	2,839,868	<b>28</b>
Miscellaneous Expenses (643)	300,809	<b>29</b>
Rents (644)		<b>30</b>
Maintenance Supervision and Engineering (650)	108,706	<b>31</b>
Maintenance of Structures and Improvements (651)	860,896	<b>32</b>
Maintenance of Water Treatment Equipment (652)	1,100,942	<b>33</b>
<b>Total Water Treatment Expenses</b>	<b>6,633,169</b>	
 <b>TRANSMISSION AND DISTRIBUTION EXPENSES</b>		
Operation Supervision and Engineering (660)	353,792	<b>34</b>
Storage Facilities Expenses (661)	2,690	<b>35</b>
Transmission and Distribution Lines Expenses (662)	3,266,762	<b>36</b>
Meter Expenses (663)	853,015	<b>37</b>
Customer Installations Expenses (664)	35,148	<b>38</b>
Miscellaneous Expenses (665)	329,772	<b>39</b>
Rents (666)	13,403	<b>40</b>
Maintenance Supervision and Engineering (670)		<b>41</b>
Maintenance of Structures and Improvements (671)		<b>42</b>
Maintenance of Distribution Reservoirs and Standpipes (672)	22,111	<b>43</b>
Maintenance of Transmission and Distribution Mains (673)	5,041,506	<b>44</b>
Maintenance of Fire Mains (674)		<b>45</b>
Maintenance of Services (675)	2,120,029	<b>46</b>
Maintenance of Meters (676)	134,561	<b>47</b>
Maintenance of Hydrants (677)	832,308	<b>48</b>
Maintenance of Miscellaneous Plant (678)	481,790	<b>49</b>
<b>Total Transmission and Distribution Expenses</b>	<b>13,486,887</b>	
 <b>CUSTOMER ACCOUNTS EXPENSES</b>		
Supervision (901)	103,595	<b>50</b>
Meter Reading Labor (902)	566,840	<b>51</b>
Customer Records and Collection Expenses (903)	462,307	<b>52</b>
Uncollectible Accounts (904)		<b>53</b>

**WATER OPERATION & MAINTENANCE EXPENSES**

Each expense account that has an increase or a decrease when compared to the previous year of greater than 15 percent, but not less than \$10,000, shall be fully explained in the schedule footnotes.

<b>Particulars (a)</b>	<b>Amount (b)</b>	
<b>CUSTOMER ACCOUNTS EXPENSES</b>		
Miscellaneous Customer Accounts Expenses (905)		<b>54</b>
<b>Total Customer Accounts Expenses</b>	<b>1,132,742</b>	
<b>SALES EXPENSES</b>		
Sales Expenses (910)		<b>55</b>
<b>Total Sales Expenses</b>	<b>0</b>	
<b>ADMINISTRATIVE AND GENERAL EXPENSES</b>		
Administrative and General Salaries (920)	1,686,001	<b>56</b>
Office Supplies and Expenses (921)	112,783	<b>57</b>
Administrative Expenses Transferred--Credit (922)	3,078	<b>58</b>
Outside Services Employed (923)	1,671,508	<b>59</b>
Property Insurance (924)	57,496	<b>60</b>
Injuries and Damages (925)	547,775	<b>61</b>
Employee Pensions and Benefits (926)	2,759,453	<b>62</b>
Regulatory Commission Expenses (928)	6,323	<b>63</b>
Duplicate Charges--Credit (929)		<b>64</b>
Miscellaneous General Expenses (930)	142,388	<b>65</b>
Rents (931)	122,450	<b>66</b>
Maintenance of General Plant (932)	253,105	<b>67</b>
<b>Total Administrative and General Expenses</b>	<b>7,356,204</b>	
<b>Total Operation and Maintenance Expenses</b>	<b>33,960,589</b>	

**TAXES (ACCT. 408 - WATER)**

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

Description of Tax (a)	Method Used to Allocate Between Departments (b)	Amount (c)	
Property Tax Equivalent		7,039,755	1
Less: Local and School Tax Equivalent on Meters Charged to Sewer Department		166,347	2
<b>Net property tax equivalent</b>		<b>6,873,408</b>	
Social Security	Gross \$1,283,231 less applied of \$249,089	1,034,142	3
PSC Remainder Assessment		67,668	4
Other (specify): NONE			5
<b>Total tax expense</b>		<b><u>7,975,218</u></b>	

### PROPERTY TAX EQUIVALENT (WATER)

1. No property tax equivalent shall be determined for sewer utilities or town sanitary district water utilities.
2. 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.
3. The assessment ratio is available from the municipal treasurer. Report the ratio as a decimal to six (6) places.
4. The utility plant balance first of year should include the gross book values of plant in service, property held for future use and construction work in progress.
5. 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.
6. The Property Tax Equivalent to be reported for the year is determined pursuant to Wis. Stat § 66.069(1)(c). Report the higher of the current year calculation or the tax equivalent reported in the 1994 PSC annual report, unless, the municipality has authorized a lower amount, then that amount is reported as the property tax equivalent.
7. If the municipality has authorized a lower amount, the authorization description and date of the authorization must be reported in the Property Tax Equivalent schedule footnotes.

Particulars (a)	Units (b)	Total (c)	County A (d)	County B (e)	County C (f)	County D (g)	
County name			Milwaukee				1
<b>SUMMARY OF TAX RATES</b>							<b>2</b>
State tax rate	mills		0.200000				3
County tax rate	mills		5.720000				4
Local tax rate	mills		9.710000				5
School tax rate	mills		10.970000				6
Voc. school tax rate	mills		2.010000				7
Other tax rate - Local	mills		0.000000				8
Other tax rate - Non-Local	mills		1.720000				9
<b>Total tax rate</b>	mills		<b>30.330000</b>				<b>10</b>
Less: state credit	mills		2.040000				11
<b>Net tax rate</b>	mills		<b>28.290000</b>				<b>12</b>
<b>PROPERTY TAX EQUIVALENT CALCULATION</b>							<b>13</b>
<b>Local Tax Rate</b>	mills		<b>9.710000</b>				<b>14</b>
<b>Combined School Tax Rate</b>	mills		<b>12.980000</b>				<b>15</b>
<b>Other Tax Rate - Local</b>	mills		<b>0.000000</b>				<b>16</b>
<b>Total Local &amp; School Tax</b>	mills		<b>22.690000</b>				<b>17</b>
<b>Total Tax Rate</b>	mills		<b>30.330000</b>				<b>18</b>
<b>Ratio of Local and School Tax to Total</b>	dec.		<b>0.748104</b>				<b>19</b>
<b>Total tax net of state credit</b>	mills		<b>28.290000</b>				<b>20</b>
<b>Net Local and School Tax Rate</b>	mills		<b>21.163867</b>				<b>21</b>
Utility Plant, Jan. 1	\$	<b>389,768,242</b>	389,768,242				22
Materials & Supplies	\$	<b>2,073,801</b>	2,073,801				23
<b>Subtotal</b>	\$	<b>391,842,043</b>	<b>391,842,043</b>				<b>24</b>
Less: Plant Outside Limits	\$	<b>56,325,786</b>	56,325,786				25
<b>Taxable Assets</b>	\$	<b>335,516,257</b>	<b>335,516,257</b>				<b>26</b>
Assessment Ratio	dec.		0.991400				27
<b>Assessed Value</b>	\$	<b>332,630,817</b>	<b>332,630,817</b>				<b>28</b>
<b>Net Local &amp; School Rate</b>	mills		<b>21.163867</b>				<b>29</b>
<b>Tax Equiv. Computed for Current Year</b>	\$	<b>7,039,755</b>	<b>7,039,755</b>				<b>30</b>
Tax Equivalent per 1994 PSC Report	\$	6,904,063					31
Any lower tax equivalent as authorized by municipality (see note 6)	\$						32 33
<b>Tax equiv. for current year (see note 6)</b>	\$	<b>7,039,755</b>					<b>34</b>

### WATER UTILITY PLANT IN SERVICE

1. All adjustments, corrections and reclassifications should be reported in Column (f), Adjustments.
2. Explain fully as a schedule footnote the nature of all entries reported in Column (f), Adjustments.
3. Explain as a schedule footnote the dollar additions and retirements reported in Columns (c) and (e) for each account over \$100,000 not supported by statistical schedules.
4. Use only the account titles listed. If the utility has subaccounts other than accounts 391.1 and 397.1, combine them into one total and detail by subaccount as a schedule footnote.

Accounts (a)	Balance First of Year (b)	Additions During Year (c)	
<b>INTANGIBLE PLANT</b>			
Organization (301)	0		1
Franchises and Consents (302)	0		2
Miscellaneous Intangible Plant (303)	0		3
<b>Total Intangible Plant</b>	<b>0</b>	<b>0</b>	
<b>SOURCE OF SUPPLY PLANT</b>			
Land and Land Rights (310)	0		4
Structures and Improvements (311)	0		5
Collecting and Impounding Reservoirs (312)	0		6
Lake, River and Other Intakes (313)	16,080,676		7
Wells and Springs (314)	0		8
Infiltration Galleries and Tunnels (315)	0		9
Supply Mains (316)	5,306,738		10
Other Water Source Plant (317)	0		11
<b>Total Source of Supply Plant</b>	<b>21,387,414</b>	<b>0</b>	
<b>PUMPING PLANT</b>			
Land and Land Rights (320)	341,030		12
Structures and Improvements (321)	6,816,152		13
Boiler Plant Equipment (322)	0		14
Other Power Production Equipment (323)	0		15
Steam Pumping Equipment (324)	0		16
Electric Pumping Equipment (325)	9,960,744	176,366	17
Diesel Pumping Equipment (326)	0		18
Hydraulic Pumping Equipment (327)	0		19
Other Pumping Equipment (328)	0		20
<b>Total Pumping Plant</b>	<b>17,117,926</b>	<b>176,366</b>	
<b>WATER TREATMENT PLANT</b>			
Land and Land Rights (330)	914,137		21
Structures and Improvements (331)	10,578,634		22
Water Treatment Equipment (332)	37,729,670	49,062,974	23
<b>Total Water Treatment Plant</b>	<b>49,222,441</b>	<b>49,062,974</b>	
<b>TRANSMISSION AND DISTRIBUTION PLANT</b>			
Land and Land Rights (340)	55,685		24
Structures and Improvements (341)	0		25

**WATER UTILITY PLANT IN SERVICE (cont.)**

Accounts (d)	Retirements During Year (e)	Adjustments Increase or (Decrease) (f)	Balance End of Year (g)	
<b>INTANGIBLE PLANT</b>				
Organization (301)			0	1
Franchises and Consents (302)			0	2
Miscellaneous Intangible Plant (303)			0	3
<b>Total Intangible Plant</b>	<b>0</b>	<b>0</b>	<b>0</b>	
<b>SOURCE OF SUPPLY PLANT</b>				
Land and Land Rights (310)			0	4
Structures and Improvements (311)			0	5
Collecting and Impounding Reservoirs (312)			0	6
Lake, River and Other Intakes (313)			16,080,676	7
Wells and Springs (314)			0	8
Infiltration Galleries and Tunnels (315)			0	9
Supply Mains (316)			5,306,738	10
Other Water Source Plant (317)			0	11
<b>Total Source of Supply Plant</b>	<b>0</b>	<b>0</b>	<b>21,387,414</b>	
<b>PUMPING PLANT</b>				
Land and Land Rights (320)			341,030	12
Structures and Improvements (321)			6,816,152	13
Boiler Plant Equipment (322)			0	14
Other Power Production Equipment (323)			0	15
Steam Pumping Equipment (324)			0	16
Electric Pumping Equipment (325)	27,804		10,109,306	17
Diesel Pumping Equipment (326)			0	18
Hydraulic Pumping Equipment (327)			0	19
Other Pumping Equipment (328)			0	20
<b>Total Pumping Plant</b>	<b>27,804</b>	<b>0</b>	<b>17,266,488</b>	
<b>WATER TREATMENT PLANT</b>				
Land and Land Rights (330)			914,137	21
Structures and Improvements (331)			10,578,634	22
Water Treatment Equipment (332)	271,562		86,521,082	23
<b>Total Water Treatment Plant</b>	<b>271,562</b>	<b>0</b>	<b>98,013,853</b>	
<b>TRANSMISSION AND DISTRIBUTION PLANT</b>				
Land and Land Rights (340)			55,685	24
Structures and Improvements (341)			0	25

### WATER UTILITY PLANT IN SERVICE

1. All adjustments, corrections and reclassifications should be reported in Column (f), Adjustments.
2. Explain fully as a schedule footnote the nature of all entries reported in Column (f), Adjustments.
3. Explain as a schedule footnote the dollar additions and retirements reported in Columns (c) and (e) for each account over \$100,000 not supported by statistical schedules.
4. Use only the account titles listed. If the utility has subaccounts other than accounts 391.1 and 397.1, combine them into one total and detail by subaccount as a schedule footnote.

Accounts (a)	Balance First of Year (b)	Additions During Year (c)	
<b>TRANSMISSION AND DISTRIBUTION PLANT</b>			
Distribution Reservoirs and Standpipes (342)	10,617,427		26
Transmission and Distribution Mains (343)	194,487,405	10,487,875	27
Fire Mains (344)	0		28
Services (345)	0		29
Meters (346)	11,509,644	5,770,551	30
Hydrants (348)	24,530,668	946,087	31
Other Transmission and Distribution Plant (349)	0		32
<b>Total Transmission and Distribution Plant</b>	<b>241,200,829</b>	<b>17,204,513</b>	
<b>GENERAL PLANT</b>			
Land and Land Rights (389)	274,489		33
Structures and Improvements (390)	4,446,661		34
Office Furniture and Equipment (391)	1,706,762	7,792	35
Computer Equipment (391.1)	5,328,563	279,970	36
Transportation Equipment (392)	3,712,026	502,085	37
Stores Equipment (393)	209,055		38
Tools, Shop and Garage Equipment (394)	1,711,461	46,996	39
Laboratory Equipment (395)	601,592	34,861	40
Power Operated Equipment (396)	2,205,002		41
Communication Equipment (397)	2,646,718	9,257	42
SCADA Equipment (397.1)	0	1,402,665	43
Miscellaneous Equipment (398)	117,271		44
Other Tangible Property (399)	0		45
<b>Total General Plant</b>	<b>22,959,600</b>	<b>2,283,626</b>	
<b>Total utility plant in service directly assignable</b>	<b>351,888,210</b>	<b>68,727,479</b>	
Common Utility Plant Allocated to Water Department	0		46
<b>Total utility plant in service</b>	<b>351,888,210</b>	<b>68,727,479</b>	

**WATER UTILITY PLANT IN SERVICE (cont.)**

Accounts (d)	Retirements During Year (e)	Adjustments Increase or (Decrease) (f)	Balance End of Year (g)
<b>TRANSMISSION AND DISTRIBUTION PLANT</b>			
Distribution Reservoirs and Standpipes (342)			10,617,427 26
Transmission and Distribution Mains (343)	248,877		204,726,403 27
Fire Mains (344)			0 28
Services (345)			0 29
Meters (346)	150,623		17,129,572 30
Hydrants (348)	163,510		25,313,245 31
Other Transmission and Distribution Plant (349)			0 32
<b>Total Transmission and Distribution Plant</b>	<b>563,010</b>	<b>0</b>	<b>257,842,332</b>
<b>GENERAL PLANT</b>			
Land and Land Rights (389)			274,489 33
Structures and Improvements (390)			4,446,661 34
Office Furniture and Equipment (391)			1,714,554 35
Computer Equipment (391.1)	786,083		4,822,450 36
Transportation Equipment (392)	51,499		4,162,612 37
Stores Equipment (393)			209,055 38
Tools, Shop and Garage Equipment (394)	57,952		1,700,505 39
Laboratory Equipment (395)	1,813		634,640 40
Power Operated Equipment (396)	101,767		2,103,235 41
Communication Equipment (397)	867,689		1,788,286 42
SCADA Equipment (397.1)			1,402,665 43
Miscellaneous Equipment (398)			117,271 44
Other Tangible Property (399)			0 45
<b>Total General Plant</b>	<b>1,866,803</b>	<b>0</b>	<b>23,376,423</b>
<b>Total utility plant in service directly assignable</b>	<b>2,729,179</b>	<b>0</b>	<b>417,886,510</b>
Common Utility Plant Allocated to Water Department			0 46
<b>Total utility plant in service</b>	<b>2,729,179</b>	<b>0</b>	<b>417,886,510</b>

### ACCUMULATED PROVISION FOR DEPRECIATION - WATER

1. 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.  
 2. If more than one depreciation rate is used, report the average rate in column (c).

Primary Plant Accounts (a)	Balance First of Year (b)	Rate % Used (c)	Accruals During Year (d)	
<b>SOURCE OF SUPPLY PLANT</b>				
Structures and Improvements (311)	0			1
Collecting and Impounding Reservoirs (312)	0			2
Lake, River and Other Intakes (313)	2,821,235	1.31%	210,657	3
Wells and Springs (314)	0			4
Infiltration Galleries and Tunnels (315)	0			5
Supply Mains (316)	2,808,409	1.36%	72,172	6
Other Water Source Plant (317)	0			7
<b>Total Source of Supply Plant</b>	<b>5,629,644</b>		<b>282,829</b>	
<b>PUMPING PLANT</b>				
Structures and Improvements (321)	4,351,275	1.81%	123,372	8
Boiler Plant Equipment (322)	0			9
Other Power Production Equipment (323)	0			10
Steam Pumping Equipment (324)	0			11
Electric Pumping Equipment (325)	9,460,290	3.39%	340,187	12
Diesel Pumping Equipment (326)	0			13
Hydraulic Pumping Equipment (327)	0			14
Other Pumping Equipment (328)	0			15
<b>Total Pumping Plant</b>	<b>13,811,565</b>		<b>463,559</b>	
<b>WATER TREATMENT PLANT</b>				
Structures and Improvements (331)	4,345,864	1.84%	194,647	16
Water Treatment Equipment (332)	8,418,906	2.69%	1,671,173	17
<b>Total Water Treatment Plant</b>	<b>12,764,770</b>		<b>1,865,820</b>	
<b>TRANSMISSION AND DISTRIBUTION PLANT</b>				
Structures and Improvements (341)	0			18
Distribution Reservoirs and Standpipes (342)	2,364,041	1.72%	182,620	19
Transmission and Distribution Mains (343)	45,241,383	0.98%	1,956,148	20
Fire Mains (344)	0			21
Services (345)	0			22
Meters (346)	4,257,980	6.96%	925,011	23
Hydrants (348)	5,747,597	1.43%	356,384	24
Other Transmission and Distribution Plant (349)	0			25
<b>Total Transmission and Distribution Plant</b>	<b>57,611,001</b>		<b>3,420,163</b>	

**ACCUMULATED PROVISION FOR DEPRECIATION - WATER (cont.)**

Account (e)	Book Cost of Plant Retired (f)	Cost of Removal (g)	Salvage (h)	Adjustments Increase or (Decrease) (i)	Balance End of Year (j)	
311					0	1
312					0	2
313					3,031,892	3
314					0	4
315					0	5
316					2,880,581	6
317					0	7
	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>5,912,473</b>	
321					4,474,647	8
322					0	9
323					0	10
324					0	11
325	27,804	1,875			9,770,798	12
326					0	13
327					0	14
328					0	15
	<b>27,804</b>	<b>1,875</b>	<b>0</b>	<b>0</b>	<b>14,245,445</b>	
331					4,540,511	16
332	271,562	75,900			9,742,617	17
	<b>271,562</b>	<b>75,900</b>	<b>0</b>	<b>0</b>	<b>14,283,128</b>	
341					0	18
342					2,546,661	19
343	248,877	34,913	71,994		46,985,735	20
344					0	21
345					0	22
346	150,623		20,275		5,052,643	23
348	163,510	19,075	75,181		5,996,577	24
349					0	25
	<b>563,010</b>	<b>53,988</b>	<b>167,450</b>	<b>0</b>	<b>60,581,616</b>	

**ACCUMULATED PROVISION FOR DEPRECIATION - WATER**

1. 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.  
 2. If more than one depreciation rate is used, report the average rate in column (c).

Primary Plant Accounts (a)	Balance First of Year (b)	Rate % Used (c)	Accruals During Year (d)	
<b>GENERAL PLANT</b>				
Structures and Improvements (390)	1,333,891	2.11%	93,824	<b>26</b>
Office Furniture and Equipment (391)	237,653	5.26%	89,980	<b>27</b>
Computer Equipment (391.1)	2,395,802	15.00%	761,326	<b>28</b>
Transportation Equipment (392)	1,815,885	9.00%	354,359	<b>29</b>
Stores Equipment (393)	140,805	4.17%	8,718	<b>30</b>
Tools, Shop and Garage Equipment (394)	769,909	5.00%	85,299	<b>31</b>
Laboratory Equipment (395)	150,561	5.00%	30,906	<b>32</b>
Power Operated Equipment (396)	293,449	6.43%	138,510	<b>33</b>
Communication Equipment (397)	1,301,629	5.56%	115,863	<b>34</b>
SCADA Equipment (397.1)	0		58,421	<b>35</b>
Miscellaneous Equipment (398)	61,023	6.67%	7,822	<b>36</b>
Other Tangible Property (399)	0			<b>37</b>
<b>Total General Plant</b>	<b><u>8,500,607</u></b>		<b><u>1,745,028</u></b>	
<b>Total accum. prov. directly assignable</b>	<b><u>98,317,587</u></b>		<b><u>7,777,399</u></b>	
Common Utility Plant Allocated to Water Department	0			<b>38</b>
<b>Total accum. prov. for depreciation</b>	<b><u><u>98,317,587</u></u></b>		<b><u><u>7,777,399</u></u></b>	

**ACCUMULATED PROVISION FOR DEPRECIATION - WATER (cont.)**

<b>Account (e)</b>	<b>Book Cost of Plant Retired (f)</b>	<b>Cost of Removal (g)</b>	<b>Salvage (h)</b>	<b>Adjustments Increase or (Decrease) (i)</b>	<b>Balance End of Year (j)</b>	
390					1,427,715	26
391					327,633	27
391.1	786,083				2,371,045	28
392	51,499		14,905		2,133,650	29
393					149,523	30
394	57,952				797,256	31
395	1,813				179,654	32
396	101,767		30,262		360,454	33
397	867,689	53,500			496,303	34
397.1					58,421	35
398					68,845	36
399					0	37
	<b>1,866,803</b>	<b>53,500</b>	<b>45,167</b>	<b>0</b>	<b>8,370,499</b>	
	<b>2,729,179</b>	<b>185,263</b>	<b>212,617</b>	<b>0</b>	<b>103,393,161</b>	
					<b>0</b>	<b>38</b>
	<b>2,729,179</b>	<b>185,263</b>	<b>212,617</b>	<b>0</b>	<b>103,393,161</b>	

## SOURCE OF SUPPLY, PUMPING AND PURCHASED WATER STATISTICS

Month (a)	Sources of Water Supply			Total Gallons All Methods (000's) (e)	
	Purchased Water Gallons (000's) (b)	Surface Water Gallons (000's) (c)	Ground Water Gallons (000's) (d)		
January		3,661,000		3,661,000	1
February		3,303,000		3,303,000	2
March		3,670,000		3,670,000	3
April		3,614,000		3,614,000	4
May		4,063,000		4,063,000	5
June		4,156,000		4,156,000	6
July		4,922,000		4,922,000	7
August		4,582,000		4,582,000	8
September		4,395,000		4,395,000	9
October		3,771,000		3,771,000	10
November		3,435,000		3,435,000	11
December		3,638,000		3,638,000	12
<b>Total for year</b>	<b>0</b>	<b>47,210,000</b>	<b>0</b>	<b>47,210,000</b>	
Less: Measured or estimated water used in main flushing and water treatment during year				0	13
Less: Other utility use				212,141	14
Other utility use explanation:					15
Water Works' operations metered consumption is 205,141 and Fire Dept use was 7,000.					
Water pumped into distribution system				46,997,859	16
Less: Water sold				41,759,969	17
Losses and unaccounted for				5,237,890	18
Percent unaccounted for to the nearest whole percent (%)				11%	19
If more than 15%, indicate causes and state what action has been taken to reduce water loss:					20
Maximum gallons pumped by all methods in any one day during reporting year				209,350	21
Date of maximum: 7/14/1998					22
Cause of maximum:					23
Hot, dry weather.					
Minimum gallons pumped by all methods in any one day during reporting year				98,250	24
Date of minimum: 12/25/1998					25
Total KWH used for pumping for the year				73,397,916	26
If water is purchased: Vendor Name:					27
Point of Delivery:					28

**SOURCES OF WATER SUPPLY - GROUND WATERS**

<b>Location (a)</b>	<b>Identification Number (b)</b>	<b>Depth in feet (c)</b>	<b>Well Diameter in inches (d)</b>	<b>Yield Per Day in gallons (e)</b>	<b>Currently In Service? (f)</b>
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NONE

**SOURCES OF WATER SUPPLY - SURFACE WATERS**

Location (a)	Intakes				
	Identification Number (b)	Distance From Shore in feet (c)	Depth Below Surface in feet (d)	Diameter in inches (e)	
LINNWOOD INTAKE (L. MICH.)	1	6,565	55	144	1
TEXAS INTAKE (L. MICHIGAN)	2	11,823	50	108	2

### PUMPING & POWER EQUIPMENT

1. Use a separate column for each pump.
2. Indicate purpose of pump by: P for primary (from source to reservoir, treatment or distribution system), B for booster (from reservoir or treatment to distribution system, or within distribution system), or S for standby pumping equipment.
3. Indicate destination (of water pumped) by: R for reservoir, T for treatment or D for distribution system.

Particulars (a)	Unit A (b)	Unit B (c)	Unit C (d)	
Identification	PUMP 011 ( 3 AT STATION)	PUMP 017 (2 AT STATION)	PUMP 046 (4 AT STATION)	1
Location	TEXAS STATION	HOWARD STATION	FLORIST STATION	2
Purpose	P	P	B	3
Destination	T	D	D	4
Pump Manufacturer	FAI RBANKS - MORSE	ALLIS CHALMERS	PATTERSON	5
Year Installed	1974	1961	1994	6
Type	CENTRIFUGAL	CENTRIFUGAL	CENTRIFUGAL	7
Actual Capacity (gpm)	32,767	15,972	4,861	8
Pump Motor or Standby Engine Mfr	FAIRBANKS - MORSE	ALLIS CHALMERS	PATTERSON	9 10
Year Installed	1974	1961	1994	11
Type	ELECTRIC	ELECTRIC	ELECTRIC	12
Horsepower	2,000	350	350	13

Particulars (a)	Unit D (b)	Unit E (c)	Unit F (d)	
Identification	PUMP 001	PUMP 002	PUMP 003	14
Location	LINNWOOD TREATM. PL.	LINNWOOD TREATM. PL.	LINNWOOD TREATM. PL.	15
Purpose	P	P	P	16
Destination	T	T	T	17
Pump Manufacturer	ALLIS CHALMERS	ALLIS CHALMERS	ALLIS CHALMERS	18
Year Installed	1938	1938	1938	19
Type	CENTRIFUGAL	CENTRIFUGAL	CENTRIFUGAL	20
Actual Capacity (gpm)	13,889	13,338	32,767	21
Pump Motor or Standby Engine Mfr	ALLIS CHALMERS	ALLIS CHALMERS	ALLIS CHALMERS	22 23
Year Installed	1938	1938	1938	24
Type	ELECTRIC	ELECTRIC	ELECTRIC	25
Horsepower	350	350	350	26

### PUMPING & POWER EQUIPMENT

1. Use a separate column for each pump.
2. Indicate purpose of pump by: P for primary (from source to reservoir, treatment or distribution system), B for booster (from reservoir or treatment to distribution system, or within distribution system), or S for standby pumping equipment.
3. Indicate destination (of water pumped) by: R for reservoir, T for treatment or D for distribution system.

Particulars (a)	Unit A (b)	Unit B (c)	Unit C (d)	
Identification	PUMP 004	PUMP 005	PUMP 006	1
Location	LINNWOOD TREATM. PL.	LINNWOOD TREAT. PL.	LINNWOOD TREAT. PL.	2
Purpose	P	P	P	3
Destination	T	T	T	4
Pump Manufacturer	ALLIS CHALMERS	ALLIS CHALMERS	ALLIS CHALMERS	5
Year Installed	1938	1938	1938	6
Type	CENTRIFUGAL	CENTRIFUGAL	CENTRIFUGAL	7
Actual Capacity (gpm)	32,767	32,767	32,767	8
Pump Motor or Standby Engine Mfr	ALLIS CHALMERS	ALLIS CHALMERS	ALLIS CHALMERS	9 10
Year Installed	1938	1938	1938	11
Type	ELECTRIC	ELECTRIC	ELECTRIC	12
Horsepower	350	350	350	13

Particulars (a)	Unit D (b)	Unit E (c)	Unit F (d)	
Identification	PUMP 007	PUMP 008	PUMP 009 (1 AT STATION)	14
Location	LINNWOOD TREAT. PL	LINNWOOD TREAT. PL.	TEXAS STATION	15
Purpose	P	P	P	16
Destination	T	T	T	17
Pump Manufacturer	ALLIS CHALMERS	ALLIS CHALMERS	FAIRBANKS MORSE	18
Year Installed	1938	1938	1974	19
Type	CENTRIFUGAL	CENTRIFUGAL	CENTRIFUGAL	20
Actual Capacity (gpm)	32,767	32,767	32,767	21
Pump Motor or Standby Engine Mfr	ALLIS CHALMERS	ALLIS CHALMERS	FAIRBANKS MORSE	22 23
Year Installed	1938	1938	1974	24
Type	ELECTRIC	ELECTRIC	ELECTRIC	25
Horsepower	500	600	2,000	26

### PUMPING & POWER EQUIPMENT

1. Use a separate column for each pump.
2. Indicate purpose of pump by: P for primary (from source to reservoir, treatment or distribution system), B for booster (from reservoir or treatment to distribution system, or within distribution system), or S for standby pumping equipment.
3. Indicate destination (of water pumped) by: R for reservoir, T for treatment or D for distribution system.

Particulars (a)	Unit A (b)	Unit B (c)	Unit C (d)	
Identification	P 010 (PUMP 2 AT STATION)	P 012 (PUMP 4 AT STATION)	PUMP 013 ( 5 AT STATION)	1
Location	TEXAS STATION	TEXAS STATION	TEXAS STATION	2
Purpose	P	P	P	3
Destination	T	T	T	4
Pump Manufacturer	ALLIS CHALMERS	ALLIS CHALMERS	ALLIS CHALMERS	5
Year Installed	1961	1961	1961	6
Type	CENTRIFUGAL	CENTRIFUGAL	CENTRIFUGAL	7
Actual Capacity (gpm)	24,305	24,305	24,305	8
Pump Motor or Standby Engine Mfr	ALLIS CHALMERS	ALLIS CHALMERS	ALLIS CHALMERS	9 10
Year Installed	1961	1961	1961	11
Type	ELECTRIC	ELECTRIC	ELECTRIC	12
Horsepower	1,200	1,200	1,200	13

Particulars (a)	Unit D (b)	Unit E (c)	Unit F (d)	
Identification	PUMP 014 (6 AT STATION)	PUMP 015 (7 AT STATION)	PUMP 016 (1 AT STATION)	14
Location	TEXAS STATION	TEXAS STATION	HOWARD STATION	15
Purpose	P	P	P	16
Destination	T	T	D	17
Pump Manufacturer	FAIRBANKS - MORSE	ALLIS CHALMERS	ALLIS CHALMERS	18
Year Installed	1974	1961	1961	19
Type	CENTRIFUGAL	CENTRIFUGAL	CENTRIFUGAL	20
Actual Capacity (gpm)	32,767	24,305	15,972	21
Pump Motor or Standby Engine Mfr	FAIRBANKS - MORSE	ALLIS CHALMERS	ALLIS CHALMERS	22 23
Year Installed	1974	1961	1961	24
Type	ELECTRIC	ELECTRIC	ELECTRIC	25
Horsepower	2,000	1,200	350	26

### PUMPING & POWER EQUIPMENT

1. Use a separate column for each pump.
2. Indicate purpose of pump by: P for primary (from source to reservoir, treatment or distribution system), B for booster (from reservoir or treatment to distribution system, or within distribution system), or S for standby pumping equipment.
3. Indicate destination (of water pumped) by: R for reservoir, T for treatment or D for distribution system.

Particulars (a)	Unit A (b)	Unit B (c)	Unit C (d)	
Identification	PUMP 018 (3 AT STATION)	PUMP 019 (4 AT STATION)	PUMP 020 (5 AT STATION)	1
Location	HOWARD STATION	HOWARD STATION	HOWARD STATION	2
Purpose	P	P	P	3
Destination	D	D	D	4
Pump Manufacturer	ALLIS CHALMERS	ALLIS CHALMERS	ALLIS CHALMERS	5
Year Installed	1961	1961	1961	6
Type	CENTRIFUGAL	CENTRIFUGAL	CENTRIFUGAL	7
Actual Capacity (gpm)	19,444	19,444	27,778	8
Pump Motor or Standby Engine Mfr	ALLIS CHALMERS	ALLIS CHALMERS	ALLIS CHALMERS	9
Year Installed	1961	1961	1961	10
Type	ELECTRIC	ELECTRIC	ELECTRIC	11
Horsepower	600	600	2,000	12

Particulars (a)	Unit D (b)	Unit E (c)	Unit F (d)	
Identification	PUMP 021 (6 AT STATION)	PUMP 022 (7 AT STATION)	PUMP 023 (8 AT STATION)	13
Location	HOWARD STATION	HOWARD STATION	HOWARD STATION	14
Purpose	P	P	P	15
Destination	D	D	D	16
Pump Manufacturer	ALLIS CHALMERS	ALLIS CHALMERS	ALLIS CHALMERS	17
Year Installed	1961	1961	1961	18
Type	CENTRIFUGAL	CENTRIFUGAL	CENTRIFUGAL	19
Actual Capacity (gpm)	32,767	32,767	27,778	20
Pump Motor or Standby Engine Mfr	ALLIS CHALMERS	ALLIS CHALMERS	ALLIS CHALMERS	21
Year Installed	1961	1961	1961	22
Type	ELECTRIC	ELECTRIC	ELECTRIC	23
Horsepower	2,000	2,000	2,000	24

### PUMPING & POWER EQUIPMENT

1. Use a separate column for each pump.
2. Indicate purpose of pump by: P for primary (from source to reservoir, treatment or distribution system), B for booster (from reservoir or treatment to distribution system, or within distribution system), or S for standby pumping equipment.
3. Indicate destination (of water pumped) by: R for reservoir, T for treatment or D for distribution system.

Particulars (a)	Unit A (b)	Unit B (c)	Unit C (d)	
Identification	PUMP 024 (1 AT STATION)	PUMP 025 (2 AT STATION)	PUMP 026 (3 AT STATION)	1
Location	NORTH POINT STA.	NORTH POINT STA.	NORTH POINT STA.	2
Purpose	P	P	P	3
Destination	D	D	D	4
Pump Manufacturer	WORTHINGTON	WORTHINGTON	WORTHINGTON	5
Year Installed	1963	1963	1963	6
Type	CENTRIFUGAL	CENTRIFUGAL	CENTRIFUGAL	7
Actual Capacity (gpm)	20,833	20,833	20,833	8
Pump Motor or Standby Engine Mfr	WORTHINGTON	WORTHINGTON	WORTHINGTON	9 10
Year Installed	1963	1963	1963	11
Type	ELECTRIC	ELECTRIC	ELECTRIC	12
Horsepower	2,250	2,250	2,250	13

Particulars (a)	Unit D (b)	Unit E (c)	Unit F (d)	
Identification	PUMP 027 (5 AT STATION)	PUMP 028 (6 AT STATION)	PUMP 029 (7 AT STATION)	14
Location	NORTH POINT STA.	NORTH POINT STA.	NORTH POINT STA.	15
Purpose	P	P	P	16
Destination	D	D	D	17
Pump Manufacturer	WORTHINGTON	WORTHINGTON	WORTHINGTON	18
Year Installed	1963	1963	1963	19
Type	CENTRIFUGAL	CENTRIFUGAL	CENTRIFUGAL	20
Actual Capacity (gpm)	17,361	17,361	17,361	21
Pump Motor or Standby Engine Mfr	WORTHINGTON	WORTHINGTON	WORTHINGTON	22 23
Year Installed	1963	1963	1963	24
Type	ELECTRIC	ELECTRIC	ELECTRIC	25
Horsepower	1,000	1,000	1,000	26

### PUMPING & POWER EQUIPMENT

1. Use a separate column for each pump.
2. Indicate purpose of pump by: P for primary (from source to reservoir, treatment or distribution system), B for booster (from reservoir or treatment to distribution system, or within distribution system), or S for standby pumping equipment.
3. Indicate destination (of water pumped) by: R for reservoir, T for treatment or D for distribution system.

Particulars (a)	Unit A (b)	Unit B (c)	Unit C (d)	
Identification	PUMP 030 (1-A AT STA.)	PUMP 031 (1-B AT STA.)	PUMP 032 (2 AT STATION)	1
Location	RIVERSIDE PUMPING STA.	RIVERSIDE PUMPING STA.	RIVERSIDE PUMPING STA.	2
Purpose	P	P	P	3
Destination	D	D	D	4
Pump Manufacturer	PATTERSON	FAIRBANKS - MORSE	FAIRBANKS - MORSE	5
Year Installed	1992	1969	1969	6
Type	CENTRIFUGAL	CENTRIFUGAL	CENTRIFUGAL	7
Actual Capacity (gpm)	20,833	17,361	17,361	8
Pump Motor or Standby Engine Mfr	PATTERSON	FAIRBANKS - MORSE	FAIRBANKS - MORSE	9 10
Year Installed	1992	1969	1969	11
Type	ELECTRIC	ELECTRIC	ELECTRIC	12
Horsepower	2,000	1,750	1,750	13

Particulars (a)	Unit D (b)	Unit E (c)	Unit F (d)	
Identification	PUMP 033 (3-A AT STA.)	PUMP 034 (3-B AT STA.)	PUMP 035 (4 AT STATION)	14
Location	RIVERSIDE PUMPING STA.	RIVERSIDE PUMPING STA.	RIVERSIDE PUMPING STA.	15
Purpose	P	P	P	16
Destination	D	D	D	17
Pump Manufacturer	ALLIS CHALMERS	ALLIS CHALMERS	FAIRBANKS - MORSE	18
Year Installed	1955	1955	1968	19
Type	CENTRIFUGAL	CENTRIFUGAL	CENTRIFUGAL	20
Actual Capacity (gpm)	20,833	20,833	17,361	21
Pump Motor or Standby Engine Mfr	ALLIS CHALMERS	ALLIS CHALMERS	FAIRBANKS - MORSE	22 23
Year Installed	1955	1955	1968	24
Type	ELECTRIC	ELECTRIC	ELECTRIC	25
Horsepower	2,000	2,000	1,750	26

### PUMPING & POWER EQUIPMENT

1. Use a separate column for each pump.
2. Indicate purpose of pump by: P for primary (from source to reservoir, treatment or distribution system), B for booster (from reservoir or treatment to distribution system, or within distribution system), or S for standby pumping equipment.
3. Indicate destination (of water pumped) by: R for reservoir, T for treatment or D for distribution system.

Particulars (a)	Unit A (b)	Unit B (c)	Unit C (d)	
Identification	PUMP 036 (5 AT STATION)	PUMP 037 (6-A AT STA.)	PUMP 038 (6-B AT STA.)	1
Location	RIVERSIDE PUMPING STA.	RIVERSIDE PUMPING STA.	RIVERSIDE PUMPING STA.	2
Purpose	P	P	P	3
Destination	D	D	D	4
Pump Manufacturer	FAIRBANKS - MORSE	FAIRBANKS - MORSE	FAIRBANKS - MORSE	5
Year Installed	1968	1968	1968	6
Type	CENTRIFUGAL	CENTRIFUGAL	CENTRIFUGAL	7
Actual Capacity (gpm)	17,361	17,361	17,361	8
Pump Motor or Standby Engine Mfr	FAIRBANKS - MORSE	FAIRBANKS - MORSE	FAIRBANKS - MORSE	9 10
Year Installed	1968	1968	1968	11
Type	ELECTRIC	ELECTRIC	ELECTRIC	12
Horsepower	1,750	1,750	1,750	13

Particulars (a)	Unit D (b)	Unit E (c)	Unit F (d)	
Identification	PUMP 039 (1 AT STATION)	PUMP 040 (2 AT STATION)	PUMP 041 (3 AT STATION)	14
Location	OKLAHOMA IN LINE STA.	OKLAHOMA IN LINE STA.	OKLAHOMA IN LINE STA.	15
Purpose	B	B	B	16
Destination	D	D	D	17
Pump Manufacturer	PEERLESS	PERLESS	PEERLESS	18
Year Installed	1957	1957	1957	19
Type	CENTRIFUGAL	CENTRIFUGAL	CENTRIFUGAL	20
Actual Capacity (gpm)	556	556	556	21
Pump Motor or Standby Engine Mfr	PEERLESS	PEERLESS	PEERLESS	22 23
Year Installed	1957	1957	1957	24
Type	ELECTRIC	ELECTRIC	ELECTRIC	25
Horsepower	25	25	25	26

### PUMPING & POWER EQUIPMENT

1. Use a separate column for each pump.
2. Indicate purpose of pump by: P for primary (from source to reservoir, treatment or distribution system), B for booster (from reservoir or treatment to distribution system, or within distribution system), or S for standby pumping equipment.
3. Indicate destination (of water pumped) by: R for reservoir, T for treatment or D for distribution system.

Particulars (a)	Unit A (b)	Unit B (c)	Unit C (d)	
Identification	PUMP 042 (4 AT STATION)	PUMP 043 (1 AT STATION)	PUMP 044 (2 AT STATION)	1
Location	OKLAHOMA IN LINE STA.	FLORIST AVE. STA.	FLORIST PUMPING STA.	2
Purpose	B	B	B	3
Destination	D	D	D	4
Pump Manufacturer	PEERLESS	DELAVAL	ALLIS CHALMERS	5
Year Installed	1957	1969	1965	6
Type	CENTRIFUGAL	CENTRIFUGAL	CENTRIFUGAL	7
Actual Capacity (gpm)	556	8,333	2,083	8
Pump Motor or Standby Engine Mfr	PEERLESS	DELAVAL	ALLIS CHALMERS	9 10
Year Installed	1957	1969	1965	11
Type	ELECTRIC	ELECTRIC	ELECTRIC	12
Horsepower	25	250	60	13

Particulars (a)	Unit D (b)	Unit E (c)	Unit F (d)	
Identification	PUMP 045 (3 AT STATION)	PUMP 047 (5 AT STATION)	PUMP 048 (6 AT STATION)	14
Location	FLORIST AVE STA.	FLORIST AVE STA.	FLORIST AVE STA.	15
Purpose	B	B	B	16
Destination	D	D	D	17
Pump Manufacturer	ALLIS CHALMERS	ALLIS CHALMERS	ALLIS CHALMERS	18
Year Installed	1965	1965	1965	19
Type	CENTRIFUGAL	CENTRIFUGAL	CENTRIFUGAL	20
Actual Capacity (gpm)	1,042	4,167	6,250	21
Pump Motor or Standby Engine Mfr	ALLIS CHALMERS	ALLIS CHALMERS	ALLIS CHALMERS	22 23
Year Installed	1965	1965	1965	24
Type	ELECTRIC	ELECTRIC	ELECTRIC	25
Horsepower	30	125	200	26

### PUMPING & POWER EQUIPMENT

1. Use a separate column for each pump.
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3. Indicate destination (of water pumped) by: R for reservoir, T for treatment or D for distribution system.

Particulars (a)	Unit A (b)	Unit B (c)	Unit C (d)	
Identification	PUMP 049 (7 AT STATION)	PUMP 050 (8 AT STATION)	PUMP 051 (1 AT STATION)	1
Location	FLORIST AVE STA.	FLORIST AVE STA.	MENOMONEE STA.	2
Purpose	B	B	B	3
Destination	D	D	D	4
Pump Manufacturer	DELAVAL	ALLIS CHALMERS	ALLIS CHALMERS	5
Year Installed	1969	1965	1933	6
Type	CENTRIFUGAL	CENTRIFUGAL	CENTRIFUGAL	7
Actual Capacity (gpm)	17,311	10,417	20,833	8
Pump Motor or Standby Engine Mfr	DELAVAL	ALLIS CHALMERS	ALLIS CHALMERS	9
Year Installed	1969	1965	1933	10
Type	ELECTRIC	ELECTRIC	ELECTRIC	11
Horsepower	500	350	1,500	12

Particulars (a)	Unit D (b)	Unit E (c)	Unit F (d)	
Identification	PUMP 052 (2 AT STATION)	PUMP 053 (4 AT STATION)	PUMP 054 (1 AT STATION)	13
Location	MENOMONEE STA.	MENOMONEE STA.	KILBOURN PUMPING STA.	14
Purpose	B	B	B	15
Destination	D	D	D	16
Pump Manufacturer	DELAVAL	ALLIS CHALMERS	ALLIS CHALMERS	17
Year Installed	1939	1940	1957	18
Type	CENTRIFUGAL	CENTRIFUGAL	CENTRIFUGAL	19
Actual Capacity (gpm)	13,889	20,833	13,889	20
Pump Motor or Standby Engine Mfr	DELAVAL	ALLIS CHALMERS	ALLIS CHALMERS	21
Year Installed	1939	1940	1957	22
Type	ELECTRIC	ELECTRIC	ELECTRIC	23
Horsepower	1,500	1,500	200	24

### PUMPING & POWER EQUIPMENT

1. Use a separate column for each pump.
2. Indicate purpose of pump by: P for primary (from source to reservoir, treatment or distribution system), B for booster (from reservoir or treatment to distribution system, or within distribution system), or S for standby pumping equipment.
3. Indicate destination (of water pumped) by: R for reservoir, T for treatment or D for distribution system.

Particulars (a)	Unit A (b)	Unit B (c)	Unit C (d)	
Identification	PUMP 055 (2 AT STATION)	PUMP 056 (3 AT STATION)	PUMP 057 (1 AT STATION)	1
Location	KILBOURN PUMPING STA.	KILBOURN PUMPING STA.	LINCOLN AVE STA.	2
Purpose	B	B	B	3
Destination	D	D	D	4
Pump Manufacturer	ALLIS CHALMERS	ALLIS CHALMERS	WHEELER	5
Year Installed	1957	1957	1956	6
Type	CENTRIFUGAL	CENTRIFUGAL	CENTRIFUGAL	7
Actual Capacity (gpm)	13,889	13,889	2,083	8
Pump Motor or Standby Engine Mfr	ALLIS CHALMERS	ALLIS CHALMERS	WHEELER	9
Year Installed	1957	1957	1956	10
Type	ELECTRIC	ELECTRIC	ELECTRIC	11
Horsepower	200	200	200	12
				13

Particulars (a)	Unit D (b)	Unit E (c)	Unit F (d)	
Identification	PUMP 058 (2 AT STATION)	PUMP 059 (3 AT STATION)	PUMP 060 (4 AT STATION)	14
Location	LINCOLN AVE STA.	LINCOLN AVE STA.	LINCOLN AVE STA.	15
Purpose	B	B	B	16
Destination	D	D	D	17
Pump Manufacturer	WHEELER	WHEELER	WHEELER	18
Year Installed	1956	1956	1956	19
Type	CENTRIFUGAL	CENTRIFUGAL	CENTRIFUGAL	20
Actual Capacity (gpm)	6,944	6,944	2,083	21
Pump Motor or Standby Engine Mfr	WHEELER	WHEELER	WHEELER	22
Year Installed	1956	1956	1956	23
Type	ELECTRIC	ELECTRIC	ELECTRIC	24
Horsepower	600	600	200	25
				26

### PUMPING & POWER EQUIPMENT

1. Use a separate column for each pump.
2. Indicate purpose of pump by: P for primary (from source to reservoir, treatment or distribution system), B for booster (from reservoir or treatment to distribution system, or within distribution system), or S for standby pumping equipment.
3. Indicate destination (of water pumped) by: R for reservoir, T for treatment or D for distribution system.

Particulars (a)	Unit A (b)	Unit B (c)	Unit C (d)	
Identification	PUMP 061 (1 AT STATION)	PUMP 062 (2 AT STATION)	PUMP 063 (3 AT STATION)	1
Location	CAPITOL IN LINE STA.	CAPITOL IN LINE STA.	CAPITOL IN LINE STA.	2
Purpose	B	B	B	3
Destination	D	D	D	4
Pump Manufacturer	ALLIS CHALMERS	ALLIS CHALMERS	ALLIS CHALMERS	5
Year Installed	1959	1959	1959	6
Type	CENTRIFUGAL	CENTRIFUGAL	CENTRIFUGAL	7
Actual Capacity (gpm)	694	694	972	8
Pump Motor or Standby Engine Mfr	ALLIS CHALMERS	ALLIS CHALMERS	ALLIS CHALMERS	9 10
Year Installed	1959	1959	1959	11
Type	ELECTRIC	ELECTRIC	ELECTRIC	12
Horsepower	30	30	30	13

Particulars (a)	Unit D (b)	Unit E (c)	Unit F (d)	
Identification	PUMP 064 (4 AT STATION)	PUMP 065 (1 AT STATON)	PUMP 066 (2 AT STATION)	14
Location	CAPITOL IN LINE STA.	GRANGE PUMPING STA.	GRANGE PUMPING STA.	15
Purpose	B	B	B	16
Destination	D	D	D	17
Pump Manufacturer	ALLIS CHALMERS	FAIRBANKS - MORSE	FAIRBANKS - MORSE	18
Year Installed	1959	1968	1968	19
Type	CENTRIFUGAL	CENTRIFUGAL	CENTRIFUGAL	20
Actual Capacity (gpm)	972	3,472	3,472	21
Pump Motor or Standby Engine Mfr	ALLIS CHALMERS	FAIRBANKS - MORSE	FAIRBANKS - MORSE	22 23
Year Installed	1959	1968	1968	24
Type	ELECTRIC	ELECTRIC	ELECTRIC	25
Horsepower	30	100	100	26

### PUMPING & POWER EQUIPMENT

1. Use a separate column for each pump.
2. Indicate purpose of pump by: P for primary (from source to reservoir, treatment or distribution system), B for booster (from reservoir or treatment to distribution system, or within distribution system), or S for standby pumping equipment.
3. Indicate destination (of water pumped) by: R for reservoir, T for treatment or D for distribution system.

Particulars (a)	Unit A (b)	Unit B (c)	Unit C (d)	
Identification	PUMP 067 (3 AT STATION)	PUMP 068 (4 AT STATION)	PUMP 069 (5 AT STATION)	1
Location	GRANGE PUMPING STA.	GRANGE PUMPING STA.	GRANGE PUMPING STA.	2
Purpose	B	B	B	3
Destination	D	D	D	4
Pump Manufacturer	FAIRBANKS - MORSE	ALLIS CHALMERS	ALLIS CHALMERS	5
Year Installed	1968	1990	1990	6
Type	CENTRIFUGAL	CENTRIFUGAL	CENTRIFUGAL	7
Actual Capacity (gpm)	3,472	6,944	6,944	8
Pump Motor or Standby Engine Mfr	FAIRBANKS - MORSE	ALLIS CHALMERS	ALLIS CHALMERS	9 10
Year Installed	1968	1990	1990	11
Type	ELECTRIC	ELECTRIC	ELECTRIC	12
Horsepower	100	200	200	13

Particulars (a)	Unit D (b)	Unit E (c)	Unit F (d)	
Identification	PUMP 070 (1 AT STATION)	PUMP 071 (2 AT STATION)	PUMP 072 (3 AT STATION)	14
Location	LISBON IN LINE STA.	LISBON IN LINE . STA.	LISBON IN LINE STA.	15
Purpose	B	B	B	16
Destination	D	D	D	17
Pump Manufacturer	CARVER	CARVER	CARVER	18
Year Installed	1976	1976	1976	19
Type	CENTRIFUGAL	CENTRIFUGAL	CENTRIFUGAL	20
Actual Capacity (gpm)	3,472	4,167	4,167	21
Pump Motor or Standby Engine Mfr	CARVER	CARVER	CARVER	22 23
Year Installed	1976	1976	1976	24
Type	ELECTRIC	ELECTRIC	ELECTRIC	25
Horsepower	50	75	75	26

### PUMPING & POWER EQUIPMENT

1. Use a separate column for each pump.
2. Indicate purpose of pump by: P for primary (from source to reservoir, treatment or distribution system), B for booster (from reservoir or treatment to distribution system, or within distribution system), or S for standby pumping equipment.
3. Indicate destination (of water pumped) by: R for reservoir, T for treatment or D for distribution system.

Particulars (a)	Unit A (b)	Unit B (c)	Unit C (d)	
Identification	PUMP 073 (1 AT STATION)	PUMP 074 (2 AT STATION)	PUMP 075 (3 AT STATION)	1
Location	ADLER ST IN LINE STA.	ADLER ST IN LINE STA.	ADLER ST IN LINE STA.	2
Purpose	B	B	B	3
Destination	D	D	D	4
Pump Manufacturer	WHEELER	WHEELER	WHEELER	5
Year Installed	1959	1959	1959	6
Type	CENTRIFUGAL	CENTRIFUGAL	CENTRIFUGAL	7
Actual Capacity (gpm)	1,076	1,076	1,076	8
Pump Motor or Standby Engine Mfr	WHEELER	WHEELER	WHEELER	9 10
Year Installed	1959	1959	1959	11
Type	ELECTRIC	ELECTRIC	ELECTRIC	12
Horsepower	25	25	25	13

Particulars (a)	Unit D (b)	Unit E (c)	Unit F (d)	
Identification	PUMP 076 (1 AT STATION)	PUMP 077 (2 AT STATION)	PUMP 078 (3 AT STATION)	14
Location	BLUEMOUND IN LINE STA	BLUEMOUND IN LINE STA	BLUEMOUND IN LINE STA	15
Purpose	B	B	B	16
Destination	D	D	D	17
Pump Manufacturer	ALLIS CHALMERS	ALLIS CHALMERS	ALLIS CHALMERS	18
Year Installed	1994	1994	1994	19
Type	CENTRIFUGAL	CENTRIFUGAL	CENTRIFUGAL	20
Actual Capacity (gpm)	1,201	1,201	1,201	21
Pump Motor or Standby Engine Mfr	ALLIS CHALMERS	ALLIS CHALMERS	ALLIS CHALMERS	22 23
Year Installed	1994	1994	1994	24
Type	ELECTRIC	ELECTRIC	ELECTRIC	25
Horsepower	40	40	40	26

### PUMPING & POWER EQUIPMENT

1. Use a separate column for each pump.
2. Indicate purpose of pump by: P for primary (from source to reservoir, treatment or distribution system), B for booster (from reservoir or treatment to distribution system, or within distribution system), or S for standby pumping equipment.
3. Indicate destination (of water pumped) by: R for reservoir, T for treatment or D for distribution system.

Particulars (a)	Unit A (b)	Unit B (c)	Unit C (d)
Identification	PUMP 079 (1 AT STATION)	PUMP 080 (2 AT STATION)	1
Location	LAKE PUMPING STATION	LAKE PUMPING STATION	2
Purpose	B	B	3
Destination	D	D	4
Pump Manufacturer	ALLIS CHALMERS	ALLIS CHALMERS	5
Year Installed	1956	1956	6
Type	CENTRIFUGAL	CENTRIFUGAL	7
Actual Capacity (gpm)	2,083	2,083	8
Pump Motor or Standby Engine Mfr	ALLIS CHALMERS	ALLIS CHALMERS	9 10
Year Installed	1956	1956	11
Type	ELECTRIC	ELECTRIC	12
Horsepower	100	100	13

Particulars (a)	Unit D (b)	Unit E (c)	Unit F (d)
Identification			14
Location			15
Purpose			16
Destination			17
Pump Manufacturer			18
Year Installed			19
Type			20
Actual Capacity (gpm)			21
Pump Motor or Standby Engine Mfr			22 23
Year Installed			24
Type			25
Horsepower			26

## RESERVOIRS, STANDPIPES & WATER TREATMENT

1. Identify as R (reservoir), S (standpipe) & ET (elevated tank).
2. Use a separate column for each using additional copies if necessary.
3. Enter elevation difference between highest water level in S or ET, (or R only on an elevated site) and the water main where the connection to the storage begins branching into the distribution system.

Particulars (a)	Unit A (b)	Unit B (c)	Unit C (d)	
Identification number or name	FLORIST TANK ONE	FLORIST TANK TWO	GREENFIELD	1
<b>RESERVOIRS, STANDPIPES OR ELEVATED TANKS</b>				<b>2</b>
Type: R (reservoir), S (standpipe) or ET (elevated tank)	S	S	ET	3
Year constructed	1965	1995	1967	4
Primary material (earthen, steel, concrete, other)	CONCRETE	CONCRETE	STEEL	5
Elevation difference in feet (See Headnote 3.)	36	36	187	6
Total capacity in gallons	12,000,000	12,000,000	2,000,000	7
<b>WATER TREATMENT PLANT</b>				<b>8</b>
Disinfection, type of equipment (gas, liquid, powder, other)			LIQUID	9
Points of application (wellhouse, central facilities, booster station, other)			CENTRAL FACILITIES	10
Filters, type (gravity, pressure, other, none)			GRAVITY	11
Rated capacity of filter plant (m.g.d.) (note: 1,200,000 gal/day = 1.2 m.g.d.)			275.0000	12
Is a corrosion control chemical used (yes, no)?			Y	13
Is water fluoridated (yes, no)?			Y	14

## RESERVOIRS, STANDPIPES & WATER TREATMENT

1. Identify as R (reservoir), S (standpipe) & ET (elevated tank).
2. Use a separate column for each using additional copies if necessary.
3. Enter elevation difference between highest water level in S or ET, (or R only on an elevated site) and the water main where the connection to the storage begins branching into the distribution system.

Particulars (a)	Unit A (b)	Unit B (c)	Unit C (d)	
Identification number or name	HAWLEY	KILBOURN	LAKE	1
<b>RESERVOIRS, STANDPIPES OR ELEVATED TANKS</b>				<b>2</b>
Type: R (reservoir), S (standpipe) or ET (elevated tank)	ET	S	ET	3
Year constructed	1989	1901	1939	4
Primary material (earthen, steel, concrete, other)	STEEL	OTHER	STEEL	5
Elevation difference in feet (See Headnote 3.)	289	21	148	6
Total capacity in gallons	2,000,000	20,000,000	1,000,000	7
<b>WATER TREATMENT PLANT</b>				<b>8</b>
Disinfection, type of equipment (gas, liquid, powder, other)	LIQUID			9
Points of application (wellhouse, central facilities, booster station, other)	CENTRAL FACILITIES			10
Filters, type (gravity, pressure, other, none)	GRAVITY			11
Rated capacity of filter plant (m.g.d.) (note: 1,200,000 gal/day = 1.2 m.g.d.)	100.0000			12
Is a corrosion control chemical used (yes, no)?	Y			13
Is water fluoridated (yes, no)?	Y			14

## RESERVOIRS, STANDPIPES & WATER TREATMENT

1. Identify as R (reservoir), S (standpipe) & ET (elevated tank).
2. Use a separate column for each using additional copies if necessary.
3. Enter elevation difference between highest water level in S or ET, (or R only on an elevated site) and the water main where the connection to the storage begins branching into the distribution system.

Particulars (a)	Unit A (b)	Unit B (c)	Unit C (d)	
Identification number or name	LINCOLN TANK ONE	LINCOLN TANK TWO	MENOMONEE TANK ONE	1
<b>RESERVOIRS, STANDPIPES OR ELEVATED TANKS</b>				<b>2</b>
Type: R (reservoir), S (standpipe) or ET (elevated tank)	S	S	S	3
Year constructed	1956	1957	1935	4
Primary material (earthen, steel, concrete, other)	STEEL	STEEL	STEEL	5
Elevation difference in feet (See Headnote 3.)	42	42	48	6
Total capacity in gallons	6,000,000	6,000,000	6,000,000	7
<b>WATER TREATMENT PLANT</b>				<b>8</b>
Disinfection, type of equipment (gas, liquid, powder, other)				9
Points of application (wellhouse, central facilities, booster station, other)				10
Filters, type (gravity, pressure, other, none)				11
Rated capacity of filter plant (m.g.d.) (note: 1,200,000 gal/day = 1.2 m.g.d.)				12
Is a corrosion control chemical used (yes, no)?				13
Is water fluoridated (yes, no)?				14
				15
				16
				17
				18
				19
				20
				21
				22
				23
				24
				25

## RESERVOIRS, STANDPIPES & WATER TREATMENT

1. Identify as R (reservoir), S (standpipe) & ET (elevated tank).
2. Use a separate column for each using additional copies if necessary.
3. Enter elevation difference between highest water level in S or ET, (or R only on an elevated site) and the water main where the connection to the storage begins branching into the distribution system.

Particulars (a)	Unit A (b)	Unit B (c)	Unit C (d)	
Identification number or name	MENOMONEE TANK THREE	MENOMONEE TANK TWO		1
<b>RESERVOIRS, STANDPIPES OR ELEVATED TANKS</b>				<b>2</b>
Type: R (reservoir), S (standpipe) or ET (elevated tank)	S	S		3
Year constructed	1957	1940		4
Primary material (earthen, steel, concrete, other)	STEEL	STEEL		5
Elevation difference in feet (See Headnote 3.)	48	48		6
Total capacity in gallons	6,000,000	6,000,000		7
<b>WATER TREATMENT PLANT</b>				<b>8</b>
Disinfection, type of equipment (gas, liquid, powder, other)				9
Points of application (wellhouse, central facilities, booster station, other)				10
Filters, type (gravity, pressure, other, none)				11
Rated capacity of filter plant (m.g.d.) (note: 1,200,000 gal/day = 1.2 m.g.d.)				12
Is a corrosion control chemical used (yes, no)?				13
Is water fluoridated (yes, no)?				14
				15
				16
				17
				18
				19
				20
				21
				22
				23
				24
				25

### WATER MAINS

1. Report mains separately by pipe material, function, diameter and either within or outside the municipal boundaries.
2. Identify pipe material as: L (Lead), M (Metal for all other metal excluding lead), A (Asbestos-cement), or P (Plastic for plastic and all other non-metal excluding asbestos-cement).
3. Identify function as: T (Transmission), D (Distribution) or S (Supply).
4. Explain all reported adjustments as a schedule footnote.
5. For main additions reported in column (e), as a schedule footnote:
  - a. Explain how the additions were financed.
  - b. If assessed against property owners, explain the basis of the assessments.
  - c. If the assessments are deferred, explain.

								Number of Feet	
Pipe Material (a)	Main Function (b)	Diameter in Inches (c)	First of Year (d)	Added During Year (e)	Retired During Year (f)	Adjustments Increase or (Decrease) (g)	End of Year (h)		
M	D	2.000	1,652	243	0	0	1,895		1
M	D	4.000	45,245	0	0	0	45,245		2
P	D	4.000	951	0	0	0	951		3
M	D	6.000	2,931,770	721	15,830	0	2,916,661		4
P	D	6.000	296	0	0	0	296		5
A	D	8.000	8,805	0	0	0	8,805		6
M	D	8.000	3,195,593	27,390	11,719	0	3,211,264		7
P	D	8.000	2,908	0	0	0	2,908		8
M	D	12.000	1,303,154	3,545	1,934	0	1,304,765		9
M	T	16.000	949,565	1,490	163	0	950,892		10
P	T	16.000	5	0	0	0	5		11
M	T	20.000	61,160	36	36	0	61,160		12
P	T	20.000	3,661	0	0	0	3,661		13
M	T	24.000	24,326	0	0	0	24,326		14
P	T	24.000	18,027	0	0	0	18,027		15
M	T	30.000	77,502	0	0	0	77,502		16
P	T	30.000	11,798	0	0	0	11,798		17
M	T	36.000	101,778	0	0	0	101,778		18
P	T	36.000	29,010	0	0	0	29,010		19
M	T	42.000	14,122	0	0	0	14,122		20
P	T	42.000	81,481	0	0	0	81,481		21
M	T	48.000	23,379	0	0	0	23,379		22
P	T	48.000	26,302	0	0	0	26,302		23
M	T	54.000	64,842	0	0	0	64,842		24
P	T	54.000	69,771	0	0	0	69,771		25
P	T	60.000	20,509	0	0	0	20,509		26
<b>Total Within Municipality</b>			<b>9,067,612</b>	<b>33,425</b>	<b>29,682</b>	<b>0</b>	<b>9,071,355</b>		
M	D	4.000	5,404	710	28	0	6,086		27
M	D	6.000	97,127	702	7	0	97,822		28
M	D	8.000	636,517	26,779	1,865	0	661,431		29
M	D	12.000	190,427	385	19	0	190,793		30
M	T	16.000	170,236	345	32	0	170,549		31

### WATER MAINS

1. Report mains separately by pipe material, function, diameter and either within or outside the municipal boundaries.
2. Identify pipe material as: L (Lead), M (Metal for all other metal excluding lead), A (Asbestos-cement), or P (Plastic for plastic and all other non-metal excluding asbestos-cement).
3. Identify function as: T (Transmission), D (Distribution) or S (Supply).
4. Explain all reported adjustments as a schedule footnote.
5. For main additions reported in column (e), as a schedule footnote:
  - a. Explain how the additions were financed.
  - b. If assessed against property owners, explain the basis of the assessments.
  - c. If the assessments are deferred, explain.

Number of Feet								
Pipe Material (a)	Main Function (b)	Diameter in Inches (c)	First of Year (d)	Added During Year (e)	Retired During Year (f)	Adjustments Increase or (Decrease) (g)	End of Year (h)	
M	T	20.000	2,932	0	0	0	<b>2,932</b>	<b>32</b>
P	T	20.000	6,544	0	0	0	<b>6,544</b>	<b>33</b>
M	T	24.000	15,307	0	0	0	<b>15,307</b>	<b>34</b>
P	T	24.000	8,241	0	0	0	<b>8,241</b>	<b>35</b>
P	T	30.000	3,408	0	0	0	<b>3,408</b>	<b>36</b>
M	T	36.000	211	0	0	0	<b>211</b>	<b>37</b>
P	T	36.000	4,423	0	0	0	<b>4,423</b>	<b>38</b>
P	T	42.000	1,959	0	0	0	<b>1,959</b>	<b>39</b>
P	T	48.000	10,802	0	0	0	<b>10,802</b>	<b>40</b>
P	T	54.000	19,847	5,418	0	0	<b>25,265</b>	<b>41</b>
<b>Total Outside of Municipality</b>			<b>1,173,385</b>	<b>34,339</b>	<b>1,951</b>	<b>0</b>	<b>1,205,773</b>	
<b>Total Utility</b>			<b>10,240,997</b>	<b>67,764</b>	<b>31,633</b>	<b>0</b>	<b>10,277,128</b>	

### WATER SERVICES

1. Explain all reported adjustments as a schedule footnote.
2. Report in column (h) the number of utility-owned services included in columns (c) through (g) which are temporarily shut off at the curb box or otherwise not in use at end of year.
3. For services added during the year in column (d), as a schedule footnote:
  - a. Explain how the additions were financed.
  - b. If assessed against property owners, explain the basis of the assessments.
  - c. 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 services recorded under this method.
  - d. If any were financed by application of Cz-1, provide the total amount recorded and the number of services recorded under this method.
4. Report services separately by pipe material and diameter.
5. Identify pipe material as: L (Lead), M (Metal for all other metal excluding lead), A (Asbestos-cement) or P (Plastic for plastic and all other non-metal excluding asbestos-cement).

Pipe Material (a)	Diameter in 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 Services Not In Use at End of Year (h)
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NONE

### METERS

1. Include in Columns (b), (c), (d), (e) and (f) meters in stock as well as those in service.
2. 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.
3. Use Column (e) to show correction to previously reported meter count because of inventory or property record corrections.
4. Totals by size in Column (f) should equal same size totals in Column (a).

#### Number of Utility-Owned Meters

Size of Meter (a)	First of Year (b)	Added During Year (c)	Retired During Year (d)	Adjustments Increase or (Decrease) (e)	End of Year (f)	Tested During Year (g)	
0.625	133,868	15,852	1,829	0	147,891	19,671	1
0.750	50,269	11,544	1,119	0	60,694	6,988	2
1.000	5,116	1,117	108	0	6,125	851	3
1.250	17	0	0	0	17	0	4
1.500	3,215	70	7	0	3,278	849	5
2.000	2,228	42	26	0	2,244	484	6
3.000	709	15	12	0	712	55	7
4.000	510	0	11	0	499	24	8
6.000	267	2	8	0	261	13	9
8.000	75	2	0	0	77	5	10
10.000	26	0	0	0	26	0	11
12.000	6	2	2	0	6	3	12
14.000	0	0	0	0	0	0	13

### METERS

1. Include in Columns (b), (c), (d), (e) and (f) meters in stock as well as those in service.
2. 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.
3. Use Column (e) to show correction to previously reported meter count because of inventory or property record corrections.
4. Totals by size in Column (f) should equal same size totals in Column (o).

#### Number of Utility-Owned Meters

Size of Meter (a)	First of Year (b)	Added During Year (c)	Retired During Year (d)	Adjustments Increase or (Decrease) (e)	End of Year (f)	Tested During Year (g)	
16.000	0	0	0	0	0	0	14
<b>Total:</b>	<b>196,306</b>	<b>28,646</b>	<b>3,122</b>	<b>0</b>	<b>221,830</b>	<b>28,943</b>	

#### Classification of All Meters at End of Year by Customers

Size of Meter (h)	Residential (i)	Commercial (j)	Industrial (k)	Public Authority (l)	Wholesale, Inter-Department or Utility Use (m)	In Stock and Deduct Meters (n)	Total (o)	
0.625	103,755	4,583	302	26	0	39,225	147,891	1
0.750	37,550	3,283	324	26	0	19,511	60,694	2
1.000	1,138	3,362	239	45	0	1,341	6,125	3
1.250	2	12	0	0	0	3	17	4
1.500	129	2,449	268	106	0	326	3,278	5
2.000	23	1,124	293	128	0	676	2,244	6
3.000	0	355	123	141	0	93	712	7
4.000	0	234	87	94	0	84	499	8
6.000	0	101	59	52	0	49	261	9
8.000	0	14	22	13	0	28	77	10
10.000	0	0	3	12	0	11	26	11
12.000	0	0	0	6	0	0	6	12
14.000	0	0	0	0	0	0	0	13
16.000	0	0	0	0	0	0	0	14
<b>Total:</b>	<b>142,597</b>	<b>15,517</b>	<b>1,720</b>	<b>649</b>	<b>0</b>	<b>61,347</b>	<b>221,830</b>	

### HYDRANTS AND DISTRIBUTION SYSTEM VALVES

1. Distinguish between fire and flushing hydrants by lead size.
  - a. Fire hydrants normally have a lead size of 6 inches or greater.
  - b. Record as a flushing hydrant where the lead size is less than 6 inches or if pressure is inadequate to provide fire flow.
2. Explain all reported adjustments in the schedule footnotes.
3. Report fire hydrants as within or outside the municipal boundaries.

Hydrant Type (a)	Number In Service First of Year (b)	Added During Year (c)	Removed During Year (d)	Adjustments Increase or (Decrease) (e)	Number In Service End of Year (f)	
<b>Fire Hydrants</b>						
Outside of Municipality	525	110	31		604	1
Within Municipality	18,862	250	228		18,884	2
<b>Total Fire Hydrants</b>	<b>19,387</b>	<b>360</b>	<b>259</b>	<b>0</b>	<b>19,488</b>	
<b>Flushing Hydrants</b>						
	0				0	3
<b>Total Flushing Hydrants</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	

**Wis. Admin. Code § 185.87 requires that a schedule shall be adopted and followed for operating each system valve and hydrant at least once each two years. Report the number operated during the year**

Number of hydrants operated during year: 13,275  
 Number of distribution system valves end of year: 10,000  
 Number of distribution valves operated during year: 3,216

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**WATER OPERATING SECTION FOOTNOTES**

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**Water Operating Revenues - Sales of Water (Page W-02)**

For 1998 the average number of customers has been corrected to eliminate the over counting of monthly billed amounts. Previously, customer counts were of bills issued per quarter which meant customers billed monthly were counted three times instead of once. Such overcounting was as follows:

Residential	0
Commercial	691
Industrial	474
Public Auth	94

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## WATER OPERATING SECTION FOOTNOTES

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### Water Operation & Maintenance Expenses (Page W-05)

Account 623, Power Purchased for Pumping, increased \$452,077 or 15.65%. This resulted from an increase in electric rates and an increase in the number of kilowatt hours used because of the ozone treatment process.

Account 631, Maintenance of Structures and Improvements, increased \$235,083 or 48.96% due to abandonment of the southwest booster station project.

Account 633, Maintenance of Pumping, increased \$423,130 or 206.93% due to abandonment of the pump station switchgear projects.

Account 640, Operation Supervision and Engineering, increased \$63,994 or 28.49%, due to the positions of Water Quality Manager and Linnwood Assistant Plant Manager being filled during 1998 after being vacant during part of 1997.

Account 650, Maintenance Supervision and Engineering, decreased \$24,297, or 18.27%, due to a staff reduction.

Account 660, Operation Supervision and Engineering, decreased \$79,947, or 18.43%, due to staff reduction.

Account 664, Customer Installation Expenses, decreased \$19,133, or 35.25%, due to fewer hose connections being required during the mild winter of '98.

Account 672, Maintenance of Distribution Reservoirs and Standpipes, decreased \$293,349, or 92.99%, due to a one time expense incurred in 1997 for the Florist Tank.

Account 678, Maintenance of Miscellaneous Plant, decreased \$648,612, or 57.38%, due to one time expenses in 1997 for spoils removal from Cameron and refurbishment of the communications network.

Account 903, Customer Records and Collection Expenses, decreased \$66,327, or 12.55%, due to staff reductions.

Account 923, Outside Services Employed, increased \$589,431, or 54.47%, due to a larger portion of contract administration costs being allocable to capital projects in 1997.

Account 925, Injuries and Damages, increased \$297,754, or 119.09%, due to payout of several large worker's compensations claims.

Account 930, Miscellaneous General Expenses, decreased \$61,300, or 30.09%, due to the 1997 incurrence of the Peck Meatpacking bankruptcy, and to the 1997 payment of the AWWA Research Foundation dues of \$35,000.

Account 932, Maintenance of General Plant, decreased \$261,554, or 50.82%, due to reductions in the cost spent on computer maintenance, and due to incurrence in 1997 of billing system software upgrades.

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## WATER OPERATING SECTION FOOTNOTES

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

Please note that on the printed schedule the hundred millions digit is dropped. Line 22 sb 389,768,242.

Line 24 sb 391,842,043.

Line 26 sb 335,516,257.

Line 28 sb 332,630,817.

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## WATER OPERATING SECTION FOOTNOTES

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### Water Utility Plant in Service (Page W-08)

#### PSC 325 - PUMPING EQUIPMENT

Pump replacements at Capitol Station - Add 80,611 and Retire 27,804

Pumps at Lincoln Station - Add 95,755

#### PSC 332 - TREATMENT EQUIPMENT

Effluent Valve Replacement at Linnwood Plant - Add 167,462 and Retire 136,30

Additional costs of the Filter Media Replacement at Linnwood Plant - Add 196,238

Ozone Equipment at Linnwood Plant - Add 32,613,389

Surface Wash Valve Replacement at Howard Plant - Add 686,875 and Retire 135,259

Additional costs of the Filter Media Replacement at Howard Plant - Add 79,60

Ozone Equipment at Howard Plant - Add 15,319,408

#### PSC 343 - TRANSMISSION AND DISTRIBUTION MAINS

Discharge Main at Riverside Station - Add 1,401,045

Water Mains - Add 9,086,831 and Retire 248,877

#### PSC 346.1 - METERS

Water Meters - Add 943,284 and Retire 150,623

#### PSC 346.2 - METERS - COMMUNICATION EQUIPMENT

Automatic Meter Reading (AMR) - Add 4,827,267

#### PSC 348 - HYDRANTS

Fire Hydrants - Add 946,087 and Retire 163,510

#### PSC 391 - OFFICE EQUIPMENT

Various Equipment - Add 7,792

#### PSC 391.1 - COMPUTER EQUIPMENT

New Document Image System and Replacement of AM/FM System (Hardware) - Add 141,336 and Retire 786,083

Various Other Equipment (PC's, printers, etc) - Add 138,634

#### PSC 392 - TRANSPORTATION EQUIPMENT

Step Vans - Add 324,462

Various Other Equipment - Add 177,623 and Retire 51,499

#### PSC 394 - TOOLS AND SHOP EQUIPMENT

Various Equipment (Pumps, locators, cleaning units, etc.) - Add 46,996 and Retire 57,953

#### PSC 395 - LABORATORY EQUIPMENT

Air Dryer - Add 13,062

Various Other Equipment - Add 21,799 and Retire 1,813

#### PSC 396 - POWER OPERATED EQUIPMENT

Backhoes - Retire 101,766

#### PSC 397 - COMMUNICATION EQUIPMENT

Supervisory Control Equipment - Retire 862,629

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## WATER OPERATING SECTION FOOTNOTES

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Other Equipment - Add 9,256 and Retire 5,060

PSC 397.1 - SCADA EQUIPMENT

New SCADA System - Add 1,402,665

PSC 346.1 - METERS

1/1/98 Balance 7,927,962

Add 943,284

Retire 150,623

12/31/98 Balance 8,720,623

PSC 346.2 - METERS - COMMUNICATION EQUIPMENT (AMR)

1/1/98 Balance 3,581,682

Add 4,827,267

12/31/98 Balance 8,408,949

## WATER OPERATING SECTION FOOTNOTES

### Accumulated Provision for Depreciation - Water (Page W-10)

Account 397 (Communication Equipment) in service prior to 1982 became fully depreciated as an asset group during 1982. No further depreciation will be taken on this equipment. Additions during 1982 and thereafter are depreciated as a separate asset group within Account 397.

Also, PSC 325 (Electric Pumping Equipment) may become fully depreciated during 1999. If so, we separate PSC 325 into two groups (The same way that we treated PSC 397).

PSC 346.1 - METERS  
 1/1/98 Balance 3,897,300  
 Depreciation Accrual 325,480  
 Retire 150,623  
 Salvage 20,275  
 12/31/98 Balance 4,092,432

PSC 346.2 - METERS - COMMUNICATION EQUIPMENT (AMR)  
 1/1/98 Balance 360,680  
 Depreciation Accrual 599,531  
 12/31/98 Balance 960,211

### Pumping & Power Equipment (Page W-15)

Certain pumps have actual capacity larger than accepted by the software. These are as follows:

Pump Number	Actual Capacity	Reported Capacity
003	34,722	32,767
004	34,722	32,767
005	34,722	32,767
006	34,722	32,767
007	52,083	32,767
008	69,444	32,767
009	38,194	32,767
011	38,194	32,767
014	38,194	32,767
021	34,722	32,767
022	34,722	32,767

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## WATER OPERATING SECTION FOOTNOTES

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### Reservoirs, Standpipes & Water Treatment (Page W-16)

Copy 1. The water treatment plant referred to is the Linnwood Avenue Plant, placed in service in 1939.

Copy 2. The water treatment plant referred to is the Howard Avenue Plant, placed into service in 1962.

Copy 2. Unit B, Kilbourn Standpipe, commonly known as "Kilbourn Reservoir", was constructed in 1873. The software does not accept years before 1901.

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### Water Mains (Page W-17)

Financing of water main additions.

A large portion of main additions in Col.(e) were replacements of existing mains - note Retirements, Col.(f). These are financed from earnings. Other additions were either financed from earnings, assessments, or paid for by developers.

Deferred assessments totaled \$41,933. Instead of interest, the current assessment rate was charged on these deferred assessments.

Financing by land developers totaled \$2,190,002. Such additions are governed by City of Milwaukee Ordinance 146, File 60-368-b, approved June 30, 1962, and Ordinance 679, File 63-2254-a, approved March 6, 1964.

The basis of assessment is one-half the cost of the 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.

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### Water Services (Page W-18)

The Milwaukee Water Works doesn't own any water services. The water services are owned by the property owners. However, the Water Works maintains the water services from the water main to the curb stop. From the curb stop to the building, the property owner is responsible for maintenance.

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### Hydrants and Distribution System Valves (Page W-20)

Additions and retirements entered per 6/14/99 email from James Meyer. ele

Regarding exercising valves, the Milwaukee Water Works has two valve exercise programs, one for valves 16" and smaller, and one for valves 20" and larger. These programs generally have 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 the inconvenience to the customers.

For "Number of distribution system valves end of year", the Milwaukee Water Works actually has 46,420, instead of 10,000, but the software will not accept the larger number.

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