



3013 (02-09-04)

**ANNUAL REPORT**

OF

Name: MADISON WATER UTILITY

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Principal Office: 523 EAST MAIN STREET  
MADISON, WI 53703-2910

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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.*



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### IDENTIFICATION AND OWNERSHIP

**Exact Utility Name:** MADISON WATER UTILITY

**Utility Address:** 523 EAST MAIN STREET  
MADISON, WI 53703-2910

**When was utility organized?** 7/1/1881

**Report any change in name:**

**Effective Date:**

**Utility Web Site:**

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

**Name:** MR DAVID DENIG-CHAKROFF

**Title:** WATER UTILITY MANAGER

**Office Address:**

523 E MAIN ST  
MADISON, WI 53703-2910

**Telephone:** (608) 266 - 4652

**Fax Number:** (608) 266 - 4426

**E-mail Address:** ddenigchakroff@ci.madison.wi.us

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

**Name:** NONE

**Title:**

**Office Address:**

**Telephone:**

**Fax Number:**

**E-mail Address:**

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

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

**Name:** VIRCHOW, KRAUSE & COMPANY

**Title:**

**Office Address:** VIRCHOW, KRAUSE & COMPANY

4600 AMERICAN PARKWAY  
P.O. BOX 7398  
MADISON, WI 53707-7398

**Telephone:** (608) 249 - 6622

**Fax Number:**

**E-mail Address:**

**Date of most recent audit report:** 4/7/1998

**Period covered by most recent audit:** Year 1997

## IDENTIFICATION AND OWNERSHIP

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

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**Name:** DAVID DENIG-CHAKROFF

**Title:** MANAGER

**Office Address:**

**Telephone:**

**Fax Number:**

**E-mail Address:**

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**Name:** DONALD PAULSON

**Title:** SECRETARY

**Office Address:**

**Telephone:**

**Fax Number:**

**E-mail Address:**

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**Name:** JOHN LAUB

**Title:** VICE PRESIDENT

**Office Address:**

**Telephone:**

**Fax Number:**

**E-mail Address:**

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**Name:** LAWRENCE BECHLER

**Title:** PRESIDENT

**Office Address:**

**Telephone:**

**Fax Number:**

**E-mail Address:**

### IDENTIFICATION AND OWNERSHIP

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

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**Name:** RAY FISHER

**Title:** TREASURER

**Office Address:**

**Telephone:**

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**Name of utility commission/committee:** Board of Water Commissioners

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

LARRY BECHLER, PRESIDENT

JOHN LAUB, VICE PRESIDENT

JEAN MAC CUBBIN

PRISCILLA MATHER

DONALD PAULSON, SECRETARY

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**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:**                     

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**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:**

**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:**

**INCOME STATEMENT**

Particulars (a)	This Year (b)	Last Year (c)	
<b>UTILITY OPERATING INCOME</b>			
Operating Revenues (400)	12,628,536	12,264,730	1
<b>Operating Expenses:</b>			
Operation and Maintenance Expense (401-402)	7,323,188	6,931,669	2
Depreciation Expense (403)	1,750,232	1,681,632	3
Amortization Expense (404-407)	0	0	4
Taxes (408)	2,218,405	2,227,170	5
<b>Total Operating Expenses</b>	<b>11,291,825</b>	<b>10,840,471</b>	
<b>Net Operating Income</b>	<b>1,336,711</b>	<b>1,424,259</b>	
Income from Utility Plant Leased to Others (412-413)	0	0	6
<b>Utility Operating Income</b>	<b>1,336,711</b>	<b>1,424,259</b>	
<b>OTHER INCOME</b>			
Income from Merchandising, Jobbing and Contract Work (415-416)	(5,514)	(14,389)	7
Income from Nonutility Operations (417)	0	0	8
Nonoperating Rental Income (418)	0	0	9
Interest and Dividend Income (419)	533,381	463,060	10
Miscellaneous Nonoperating Income (421)	0	0	11
<b>Total Other Income</b>	<b>527,867</b>	<b>448,671</b>	
<b>Total Income</b>	<b>1,864,578</b>	<b>1,872,930</b>	
<b>MISCELLANEOUS INCOME DEDUCTIONS</b>			
Miscellaneous Amortization (425)	0	0	12
Other Income Deductions (426)	0	0	13
<b>Total Miscellaneous Income Deductions</b>	<b>0</b>	<b>0</b>	
<b>Income Before Interest Charges</b>	<b>1,864,578</b>	<b>1,872,930</b>	
<b>INTEREST CHARGES</b>			
Interest on Long-Term Debt (427)	787,269	786,220	14
Amortization of Debt Discount and Expense (428)	43,237	63,551	15
Amortization of Premium on Debt--Cr. (429)			16
Interest on Debt to Municipality (430)	0	0	17
Other Interest Expense (431)	17,558	16,170	18
Interest Charged to Construction--Cr. (432)		15,977	19
<b>Total Interest Charges</b>	<b>848,064</b>	<b>849,964</b>	
<b>Net Income</b>	<b>1,016,514</b>	<b>1,022,966</b>	
<b>EARNED SURPLUS</b>			
Unappropriated Earned Surplus (Beginning of Year) (216)	23,283,440	22,111,006	20
Balance Transferred from Income (433)	1,016,514	1,022,966	21
Miscellaneous Credits to Surplus (434)	68,873	184,722	22
Miscellaneous Debits to Surplus--Debit (435)	0	35,254	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>24,368,827</b>	<b>23,283,440</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		1
<b>Total (Acct. 412):</b>	<b>0</b>	
<b>Expenses of Utility Plant Leased to Others (413):</b>		
None		2
<b>Total (Acct. 413):</b>	<b>0</b>	
<b>Income from Nonutility Operations (417):</b>		
None		3
<b>Total (Acct. 417):</b>	<b>0</b>	
<b>Nonoperating Rental Income (418):</b>		
None		4
<b>Total (Acct. 418):</b>	<b>0</b>	
<b>Interest and Dividend Income (419):</b>		
Interest on Assessments	21,904	5
Interest on Investments	511,477	6
<b>Total (Acct. 419):</b>	<b>533,381</b>	
<b>Miscellaneous Nonoperating Income (421):</b>		
None		7
<b>Total (Acct. 421):</b>	<b>0</b>	
<b>Miscellaneous Amortization (425):</b>		
None		8
<b>Total (Acct. 425):</b>	<b>0</b>	
<b>Other Income Deductions (426):</b>		
None		9
<b>Total (Acct. 426):</b>	<b>0</b>	
<b>Miscellaneous Credits to Surplus (434):</b>		
Gain on Sale of Land - part of Nakoosa Trail dump site	68,873	10
<b>Total (Acct. 434):</b>	<b>68,873</b>	
<b>Miscellaneous Debits to Surplus (435):</b>		
None		11
<b>Total (Acct. 435)--Debit:</b>	<b>0</b>	
<b>Appropriations of Surplus (436):</b>		
Detail appropriations to (from) account 215		12
<b>Total (Acct. 436)--Debit:</b>	<b>0</b>	
<b>Appropriations of Income to Municipal Funds (439):</b>		
None		13
<b>Total (Acct. 439)--Debit:</b>	<b>0</b>	

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

<b>Particulars (a)</b>	<b>Water (b)</b>	<b>Electric (c)</b>	<b>Sewer (d)</b>	<b>Gas (e)</b>	<b>Total (f)</b>	
Revenues (account 415)	2,440				<b>2,440</b>	<b>1</b>
<b>Costs and Expenses of Merchandising, Jobbing and Contract Work (416):</b>						
Cost of merchandise sold					<b>0</b>	<b>2</b>
Payroll	4,655				<b>4,655</b>	<b>3</b>
Materials	1,200				<b>1,200</b>	<b>4</b>
Taxes	349				<b>349</b>	<b>5</b>
<b>Other (list by major classes):</b>						
Transportation	478				<b>478</b>	<b>6</b>
Tools	176				<b>176</b>	<b>7</b>
Overhead	1,096				<b>1,096</b>	<b>8</b>
<b>Total costs and expenses</b>	<b>7,954</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>7,954</b>	
<b>Net income (or loss)</b>	<b>(5,514)</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>(5,514)</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	12,628,536	0	0	0	12,628,536	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>						
NONE					0	6
<b>Revenues subject to Wisconsin Remainder Assessment</b>	<b>12,628,536</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>12,628,536</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	3,401,492	210,945	<b>3,612,437</b>	1
Electric operating expenses			0	2
Gas operating expenses			0	3
Heating operating expenses			0	4
Sewer operating expenses			0	5
Merchandising and jobbing	4,655		<b>4,655</b>	6
Other nonutility expenses	492,359		<b>492,359</b>	7
Water utility plant accounts	599,699	37,177	<b>636,876</b>	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	60,545	3,753	<b>64,298</b>	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	251,875	(251,875)	0	18
All other accounts			0	19
<b>Total Payroll</b>	<b>4,810,625</b>	<b>0</b>	<b>4,810,625</b>	

### BALANCE SHEET

Assets and Other Debits (a)	Balance End of Year (b)	Balance First of Year (c)	
<b>UTILITY PLANT</b>			
Utility Plant (101-107)	96,492,864	91,794,759	1
Less: Accumulated Provision for Depreciation and Amortization (111-116)	22,610,779	21,025,904	2
<b>Net Utility Plant</b>	<b>73,882,085</b>	<b>70,768,855</b>	
Utility Plant Acquisition Adjustments (117-118)			3
Other Utility Plant Adjustments (119)			4
<b>Total Net Utility Plant</b>	<b>73,882,085</b>	<b>70,768,855</b>	
<b>OTHER PROPERTY AND INVESTMENTS</b>			
Nonutility Property (121)	123,357	114,132	5
Less: Accumulated Provision for Depreciation and Amortization of Nonutility Property (122)	48,084	46,603	6
<b>Net Nonutility Property</b>	<b>75,273</b>	<b>67,529</b>	
Investment in Municipality (123)	0	0	7
Other Investments (124)	1,017,584	1,192,671	8
Special Funds (125-128)	9,460,089	8,088,073	9
<b>Total Other Property and Investments</b>	<b>10,552,946</b>	<b>9,348,273</b>	
<b>CURRENT AND ACCRUED ASSETS</b>			
Cash and Working Funds (131)	317,143	124,820	10
Special Deposits (132-134)	0	0	11
Working Funds (135)	5,500	5,500	12
Temporary Cash Investments (136)	200,000	150,000	13
Notes Receivable (141)	0	0	14
Customer Accounts Receivable (142)	1,303,068	1,336,056	15
Other Accounts Receivable (143)	2,094,202	1,977,716	16
Accumulated Provision for Uncollectible Accounts- -Cr. (144)	42,583	44,412	17
Receivables from Municipality (145)	1,249,754	1,172,367	18
Materials and Supplies (151-163)	477,639	459,919	19
Prepayments (165)	18,148	19,605	20
Interest and Dividends Receivable (171)	83,593	70,988	21
Accrued Utility Revenues (173)	2,701,791	2,580,482	22
Miscellaneous Current and Accrued Assets (174)			23
<b>Total Current and Accrued Assets</b>	<b>8,408,255</b>	<b>7,853,041</b>	
<b>DEFERRED DEBITS</b>			
Unamortized Debt Discount and Expense (181)	213,051	178,600	24
Other Deferred Debits (182-186)	0	0	25
<b>Total Deferred Debits</b>	<b>213,051</b>	<b>178,600</b>	
<b>Total Assets and Other Debits</b>	<b>93,056,337</b>	<b>88,148,769</b>	

### BALANCE SHEET

Liabilities and Other Credits (a)	Balance End of Year (b)	Balance First of Year (c)	
<b>PROPRIETARY CAPITAL</b>			
Capital Paid in by Municipality (200)	2,100,652	2,090,462	26
Appropriated Earned Surplus (215)			27
Unappropriated Earned Surplus (216)	24,368,827	23,283,440	28
<b>Total Proprietary Capital</b>	<b>26,469,479</b>	<b>25,373,902</b>	
<b>LONG-TERM DEBT</b>			
Bonds (221-222)	13,320,000	11,280,000	29
Advances from Municipality (223)	0	0	30
Other Long-Term Debt (224)	0	0	31
<b>Total Long-Term Debt</b>	<b>13,320,000</b>	<b>11,280,000</b>	
<b>CURRENT AND ACCRUED LIABILITIES</b>			
Notes Payable (231)	0	1,000,000	32
Accounts Payable (232)	2,340,257	2,065,000	33
Payables to Municipality (233)	5,763,727	5,195,282	34
Customer Deposits (235)			35
Taxes Accrued (236)	0	0	36
Interest Accrued (237)	465,278	409,280	37
Matured Long-Term Debt (239)			38
Matured Interest (240)			39
Tax Collections Payable (241)	10,105	2,137	40
Miscellaneous Current and Accrued Liabilities (242)			41
<b>Total Current and Accrued Liabilities</b>	<b>8,579,367</b>	<b>8,671,699</b>	
<b>DEFERRED CREDITS</b>			
Unamortized Premium on Debt (251)	0	0	42
Customer Advances for Construction (252)	709,378	512,902	43
Other Deferred Credits (253)	1,021,371	809,375	44
<b>Total Deferred Credits</b>	<b>1,730,749</b>	<b>1,322,277</b>	
<b>OPERATING RESERVES</b>			
Property Insurance Reserve (261)			45
Injuries and Damages Reserve (262)			46
Pensions and Benefits Reserve (263)			47
Miscellaneous Operating Reserves (265)			48
<b>Total Operating Reserves</b>	<b>0</b>	<b>0</b>	
<b>CONTRIBUTIONS IN AID OF CONSTRUCTION</b>			
Contributions in Aid of Construction (271)	42,956,742	41,500,891	49
<b>Total Liabilities and Other Credits</b>	<b>93,056,337</b>	<b>88,148,769</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)	92,516,292	0	0	0	1
Utility Plant Purchased or Sold (102)					2
Utility Plant in Process of Reclassification (103)					3
Utility Plant Leased to Others (104)					4
Property Held for Future Use (105)	41,178				5
Completed Construction not Classified (106)					6
Construction Work in Progress (107)	3,935,394				7
<b>Total Utility Plant</b>	<b>96,492,864</b>	<b>0</b>	<b>0</b>	<b>0</b>	
<b>Accumulated Provision for Depreciation and Amortization:</b>					
Accumulated Provision for Depreciation of Utility Plant in Service (111)	22,610,779	0	0	0	8
Accumulated Provision for Depreciation of Utility Plant Leased to Others (112)					9
Accumulated Provision for Depreciation of Property Held for Future Use (113)					10
Accumulated Provision for Amortization of Utility Plant in Service (114)					11
Accumulated Provision for Amortization of Utility Plant Leased to Others (115)					12
Accumulated Provision for Amortization of Property Held for Future Use (116)					13
<b>Total Accumulated Provision</b>	<b>22,610,779</b>	<b>0</b>	<b>0</b>	<b>0</b>	
<b>Net Utility Plant</b>	<b>73,882,085</b>	<b>0</b>	<b>0</b>	<b>0</b>	

## 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>	21,025,904				<b>21,025,904</b>	<b>1</b>
<b>Credits During Year</b>						<b>2</b>
<b>Accruals:</b>						<b>3</b>
Charged depreciation expense (403)	1,750,232				<b>1,750,232</b>	<b>4</b>
Depreciation expense on meters						<b>5</b>
charged to sewer (see Note 3)	78,110				<b>78,110</b>	<b>6</b>
Accruals charged other						<b>7</b>
accounts (specify):						<b>8</b>
Clearing Accounts	201,598				<b>201,598</b>	<b>9</b>
Salvage	111,863				<b>111,863</b>	<b>10</b>
Other credits (specify):						<b>11</b>
					<b>0</b>	<b>12</b>
<b>Total credits</b>	<b>2,141,803</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2,141,803</b>	<b>13</b>
<b>Debits during year</b>						<b>14</b>
Book cost of plant retired	420,266				<b>420,266</b>	<b>15</b>
Cost of removal	136,662				<b>136,662</b>	<b>16</b>
Other debits (specify):						<b>17</b>
					<b>0</b>	<b>18</b>
<b>Total debits</b>	<b>556,928</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>556,928</b>	<b>19</b>
<b>Balance End of Year</b>	<b>22,610,779</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>22,610,779</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>					
Old Unit Well No. 24	20,893			20,893	2
Sewer Meters	67,753	10,291	1,066	76,978	3
Land	4,410			4,410	4
Unit Well No. 2	21,076			21,076	5
<b>Total Nonutility Property (121)</b>	<b>114,132</b>	<b>10,291</b>	<b>1,066</b>	<b>123,357</b>	
Less accum. prov. depr. & amort. (122)	46,603	2,547	1,066	48,084	6
 <b>Net Nonutility Property</b>	 <b>67,529</b>	 <b>7,744</b>	 <b>0</b>	 <b>75,273</b>	

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

Particulars (a)	Amount (b)	
Balance first of year	44,412	1
<b>Additions:</b>		
Provision for uncollectibles during year	300	2
Collection of accounts previously written off: Utility Customers		3
Collection of accounts previously written off: Others		4
<b>Total Additions</b>	<b>300</b>	
<b>Deductions:</b>		
Accounts written off during the year: Utility Customers		5
Accounts written off during the year: Others	2,129	6
<b>Total accounts written off</b>	<b>2,129</b>	
<b>Balance end of year</b>	<b>42,583</b>	

### MATERIALS AND SUPPLIES

Account (a)	Generation (b)	Transmission (c)	Distribution (d)	Other (e)	Total End of Year (f)	Amount Prior Year (g)
<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>					<b>0</b>	<b>0</b>

Account	Total End of Year	Amount Prior Year
Electric utility total	0	0 1
Water utility (154)	477,639	459,919 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>	<b>477,639</b>	<b>459,919</b>

## 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>				
1989 Revenue Bonds	4,708	428	6,125	1
1991 Revenue Bonds	5,795	428	19,386	2
1992-B Revenue Bonds	5,216	428	27,031	3
1992-C Refunding Bonds	15,223	428	49,667	4
1995 Revenue Bonds	6,236	428	39,203	5
1998 Revenue Bonds	6,049	428	71,639	6
<b>Total</b>			<b>213,051</b>	
<b>Unamortized premium on debt (251)</b>				
NONE	0	0	0	7
<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.

<b>Particulars (a)</b>	<b>Amount (b)</b>	
Balance first of year	2,090,462	1
<b>Changes during year (explain):</b>		
Parks Division - Elver Park & Glenway Street Services	10,190	2
<b>Balance end of year</b>	<u><u>2,100,652</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)	
1989 Mortgage Revenue Bonds	07/01/1989	01/01/2001	7.03%	1,575,000	<b>1</b>
1991 Mortgage Revenue Bonds	05/01/1991	01/01/2005	6.52%	1,750,000	<b>2</b>
1992 Mortgage Revenue Bonds	11/01/1992	01/01/2008	5.89%	1,800,000	<b>3</b>
1992-C Refunding Bonds	11/01/1992	01/01/2005	5.62%	2,110,000	<b>4</b>
1995 Mortgage Revenue Bonds	08/01/1995	01/01/2010	5.19%	2,085,000	<b>5</b>
1998 Mortgage Revenue bonds	04/01/1998	01/01/2015	4.99%	4,000,000	<b>6</b>
<b>Total Bonds (Account 221):</b>				<b>13,320,000</b>	
Total Reacquired Bonds (Account 222)				0	<b>7</b>

**Net amount of bonds outstanding December 31: 13,320,000**

### 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.

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

NONE

**TAXES ACCRUED (ACCT. 236)**

Particulars (a)	Amount (b)	
Balance first of year	0	1
<b>Accruals:</b>		
Charged water department expense	2,218,405	2
Charged electric department expense		3
Charged sewer department expense	56,839	4
<b>Other (explain):</b>		
Deduction for Property Outside of School District	45,971	5
Taxes Capitalized	40,261	6
<b>Total Accruals and other credits</b>	<b>2,361,476</b>	
<b>Taxes paid during year:</b>		
County, state and local taxes	2,077,440	7
Social Security taxes	267,538	8
PSC Remainder Assessment	16,498	9
<b>Other (explain):</b>		
NONE		10
<b>Total payments and other debits</b>	<b>2,361,476</b>	
<b>Balance end of year</b>	<b>0</b>	

### 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>					
	0			0	1
1987 Revenue Bonds	96,506	0	96,506	0	2
1989 Revenue Bonds	72,250	126,075	135,288	63,037	3
1991 Revenue Bonds	63,075	120,250	123,200	60,125	4
1992-A Refunding Bonds	44,773	46,795	68,170	23,398	5
1992-B Revenue Bonds	58,331	109,312	112,987	54,656	6
1992-C Refunding Bonds		131,998	65,999	65,999	7
1995 Revenue Bonds	58,175	110,610	113,480	55,305	8
1998 Revenue Bonds		142,229	(529)	142,758	9
<b>Subtotal</b>	<b>393,110</b>	<b>787,269</b>	<b>715,101</b>	<b>465,278</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>					
Loan from City	16,170	17,558	33,728	0	12
<b>Subtotal</b>	<b>16,170</b>	<b>17,558</b>	<b>33,728</b>	<b>0</b>	
<b>Total</b>	<b>409,280</b>	<b>804,827</b>	<b>748,829</b>	<b>465,278</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	41,500,891	0	0	0	0	41,500,891	1
<b>Add credits during year:</b>							
For Services	458,983					458,983	2
For Mains	1,040,324					1,040,324	3
<b>Other (specify):</b>							
Governmental	14,228					14,228	4
<b>Deduct charges (specify):</b>							
Refunds- Services & Mains	57,684					57,684	5
<b>Balance End of Year</b>	<b>42,956,742</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>42,956,742</b>	
Amount of federal and state grants in aid received for utility construction included in End of Year totals						0	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>		
Water Main Assessments	567,584	2
T.I.F. District - Wilson Street	450,000	3
<b>Total (Acct. 124):</b>	<b>1,017,584</b>	
<b>Sinking Funds (125):</b>		
Waterworks Bond Redemption	2,425,278	4
Payment In Lieu of Taxes	1,626,471	5
Waterworks Construction	614,722	6
<b>Total (Acct. 125):</b>	<b>4,666,471</b>	
<b>Depreciation Fund (126):</b>		
Depreciation Fund	1,240,855	7
<b>Total (Acct. 126):</b>	<b>1,240,855</b>	
<b>Other Special Funds (128):</b>		
Operation & Maintenance Reserve	150,000	8
Special Redemption Reserve	2,696,010	9
Invested Funds - Interest Earned	706,753	10
<b>Total (Acct. 128):</b>	<b>3,552,763</b>	
<b>Interest Special Deposits (132):</b>		
None		11
<b>Total (Acct. 132):</b>	<b>0</b>	
<b>Other Special Deposits (134):</b>		
None		12
<b>Total (Acct. 134):</b>	<b>0</b>	
<b>Notes Receivable (141):</b>		
None		13
<b>Total (Acct. 141):</b>	<b>0</b>	
<b>Customer Accounts Receivable (142):</b>		
Water	1,303,068	14
Electric		15
Sewer (Regulated)		16
<b>Other (specify):</b>		
NONE		17
<b>Total (Acct. 142):</b>	<b>1,303,068</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>Other Accounts Receivable (143):</b>		
Sewer (Non-regulated)	1,979,581	18
Merchandising, jobbing and contract work	302	19
<b>Other (specify):</b>		
Developers, Contractors, Plumbers	65,679	20
Due From Other Municipalities	8,834	21
Damage Claims	19,468	22
Drum Deposits	13,017	23
Other	7,321	24
<b>Total (Acct. 143):</b>	<b>2,094,202</b>	
<b>Receivables from Municipality (145):</b>		
Tax Roll Items	633,747	25
Due from Sewer Utility	440,775	26
Water Mains & Services	167,977	27
Other	7,255	28
<b>Total (Acct. 145):</b>	<b>1,249,754</b>	
<b>Prepayments (165):</b>		
Prepaid PSC Remainder Assessment	18,148	29
<b>Total (Acct. 165):</b>	<b>18,148</b>	
<b>Extraordinary Property Losses (182):</b>		
None		30
<b>Total (Acct. 182):</b>	<b>0</b>	
<b>Preliminary Survey and Investigation Charges (183):</b>		
None		31
<b>Total (Acct. 183):</b>	<b>0</b>	
<b>Clearing Accounts (184):</b>		
None		32
<b>Total (Acct. 184):</b>	<b>0</b>	
<b>Temporary Facilities (185):</b>		
None		33
<b>Total (Acct. 185):</b>	<b>0</b>	
<b>Miscellaneous Deferred Debits (186):</b>		
None		34
<b>Total (Acct. 186):</b>	<b>0</b>	
<b>Payables to Municipality (233):</b>		
Payment in Lieu of Taxes	2,031,469	35
Payroll & Benefits	1,062,144	36

### 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.

<b>Particulars (a)</b>	<b>Balance End of Year</b>	<b>(b)</b>
<b>Payables to Municipality (233):</b>		
City Services	513,408	<b>37</b>
City Engineering - Water Main Contracts	137,049	<b>38</b>
Due Sewer Utility	2,019,657	<b>39</b>
<b>Total (Acct. 233):</b>	<b>5,763,727</b>	
<b>Other Deferred Credits (253):</b>		
Accrued Sick Leave Liability	1,021,371	<b>40</b>
<b>Total (Acct. 253):</b>	<b>1,021,371</b>	

### 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	91,019,928	0	0	0	91,019,928	1
Materials and Supplies	468,779	0	0	0	468,779	2
<b>Other (specify):</b>						
Working Capital	2,335,475				2,335,475	3
<b>Less Average:</b>						
Reserve for Depreciation	21,818,341	0	0	0	21,818,341	4
Customer Advances for Construction					0	5
Contributions in Aid of Construction	42,228,816	0	0	0	42,228,816	6
<b>Other (specify):</b>						
NONE					0	7
<b>Average Net Rate Base</b>	<b>29,777,025</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>29,777,025</b>	
Net Operating Income	1,336,711	0	0	0	1,336,711	8
<b>Net Operating Income as a percent of Average Net Rate Base</b>						
	<b>4.49%</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>	<b>4.49%</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	2,095,557	1
Appropriated Earned Surplus	0	2
Unappropriated Earned Surplus	23,826,133	3
<b>Other (Specify):</b>		4
<b>Total Average Proprietary Capital</b>	<b>25,921,690</b>	
<b>Net Income</b>		
Net Income	1,016,514	5
<b>Percent Return on Proprietary Capital</b>	<b>3.92%</b>	

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## 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.**

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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.**

A \$4,000,000 issue of mortgage revenue bonds, dated April 1, 1998, was closed on April 2, 1998.

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

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**7. Any additional matters.**

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## FINANCIAL SECTION FOOTNOTES

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### Notes Payable & Miscellaneous Long-Term Debt (Page F-15)

A \$1,000,000 loan from the City, outstanding on December 31, 1997, was paid in 1998.

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### Interest Accrued (Acct. 237) (Page F-17)

1998 Revenue Bonds has a negative entry for interest paid during the year due to accrued interest received on the sale of bonds.

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### Identification and Ownership (Page iv)

May 12, 1999

Mr. David Denig-Chakroff, Water Utility Manager  
Madison Water Utility  
523 East Main Street  
Madison, WI 53703-2910

1998 Analytical Review DWCCA-3280-ELE

Dear Mr. Denig-Chakroff:

The Public Service Commission has completed their analytical review of your 1998 annual report. The primary purpose of our analytical review is to detect possible accounting related errors and to identify significant fluctuations from prior year's data, which are not sufficiently explained in the footnotes of your annual report. Our review did not identify any such issues. We are closing the review of your 1998 annual report.

Thank you for your efforts in preparing your 1998 annual report. If you have any questions, please feel free to contact me at (608) 266-3768.

Sincerely,

Elaine Engelke  
Financial Specialist  
Division of Water, Compliance, and Consumer Affairs

ELE:tlk:w:\compl\leege\no prob CEM.doc

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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)	12,370,795	1
<b>Total Sales of Water</b>	<b>12,370,795</b>	
<b>Other Operating Revenues</b>		
Forfeited Discounts (470)	105,951	2
Miscellaneous Service Revenues (471)	26,859	3
Rents from Water Property (472)	0	4
Interdepartmental Rents (473)	0	5
Other Water Revenues (474)	124,931	6
Amortization of Construction Grants (475)	0	7
<b>Total Other Operating Revenues</b>	<b>257,741</b>	
<b>Total Operating Revenues</b>	<b>12,628,536</b>	
<b>Operation and Maintenance Expenses</b>		
Source of Supply Expense (600-617)	30,782	8
Pumping Expenses (620-633)	2,095,103	9
Water Treatment Expenses (640-652)	530,578	10
Transmission and Distribution Expenses (660-678)	2,034,222	11
Customer Accounts Expenses (901-905)	249,823	12
Sales Expenses (910)	0	13
Administrative and General Expenses (920-932)	2,382,680	14
<b>Total Operation and Maintenance Expenses</b>	<b>7,323,188</b>	
<b>Other Operating Expenses</b>		
Depreciation Expense (403)	1,750,232	15
Amortization Expense (404-407)		16
Taxes (408)	2,218,405	17
<b>Total Other Operating Expenses</b>	<b>3,968,637</b>	
<b>Total Operating Expenses</b>	<b>11,291,825</b>	
<b>NET OPERATING INCOME</b>	<b>1,336,711</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	219	24,095	27,172	2
Industrial				3
<b>Total Unmetered Sales to General Customers (460)</b>	<b>219</b>	<b>24,095</b>	<b>27,172</b>	
Metered Sales to General Customers (461)				
Residential	47,228	3,274,797	4,764,596	4
Commercial	8,007	3,946,631	3,577,650	5
Industrial	70	1,435,631	961,307	6
<b>Total Metered Sales to General Customers (461)</b>	<b>55,305</b>	<b>8,657,059</b>	<b>9,303,553</b>	
Private Fire Protection Service (462)	1,043		106,161	7
Public Fire Protection Service (463)	5		1,326,863	8
Other Sales to Public Authorities (464)	478	2,061,100	1,466,145	9
Sales to Irrigation Customers (465)				10
Sales for Resale (466)	4	175,345	140,901	11
Interdepartmental Sales (467)				12
<b>Total Sales of Water</b>	<b>57,054</b>	<b>10,917,599</b>	<b>12,370,795</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)	
Fitchburg Utility District No 1	1 Meter Pit	1,690	1,997	<b>1</b>
Village of Maple Bluff	4 Meter Pits	57,757	48,014	<b>2</b>
Village of Shorewood Hills	4 Meter Pits	64,485	50,905	<b>3</b>
Waunona Sanitary District No. 2	2 Meter Pits	51,413	39,985	<b>4</b>
<b>Total</b>		<b>175,345</b>	<b>140,901</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)	1,295,873	1
Wholesale fire protection billed		2
Amount billed for fighting fires outside utility's service areas (usually per rate schedule F-2 or BW-1)	30,990	3
<b>Other (specify):</b>		
None		4
<b>Total Public Fire Protection Service (463)</b>	<b>1,326,863</b>	
<b>Forfeited Discounts (470):</b>		
Customer late payment charges	105,951	5
<b>Other (specify):</b>		
NONE		6
<b>Total Forfeited Discounts (470)</b>	<b>105,951</b>	
<b>Miscellaneous Service Revenues (471):</b>		
Water Used for Construction	26,215	7
Miscellaneous Water Revenue	644	8
<b>Total Miscellaneous Service Revenues (471)</b>	<b>26,859</b>	
<b>Rents from Water Property (472):</b>		
None		9
<b>Total Rents from Water Property (472)</b>	<b>0</b>	
<b>Interdepartmental Rents (473):</b>		
None		10
<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	124,931	11
<b>Other (specify):</b>		
None		12
<b>Total Other Water Revenues (474)</b>	<b>124,931</b>	
<b>Amortization of Construction Grants (475):</b>		
None		13
<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.

Particulars (a)	Amount (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)	12,640	6
Maintenance of Structures and Improvements (611)		7
Maintenance of Collecting and Impounding Reservoirs (612)	16,324	8
Maintenance of Lake, River and Other Intakes (613)		9
Maintenance of Wells and Springs (614)	1,818	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>30,782</b>	
 <b>PUMPING EXPENSES</b>		
Operation Supervision and Engineering (620)	80,917	14
Fuel for Power Production (621)		15
Power Production Labor and Expenses (622)		16
Fuel or Power Purchased for Pumping (623)	1,171,304	17
Pumping Labor and Expenses (624)	186,776	18
Expenses Transferred--Credit (625)		19
Miscellaneous Expenses (626)	333,891	20
Rents (627)		21
Maintenance Supervision and Engineering (630)	46,539	22
Maintenance of Structures and Improvements (631)	68,499	23
Maintenance of Power Production Equipment (632)		24
Maintenance of Pumping Equipment (633)	207,177	25
<b>Total Pumping Expenses</b>	<b>2,095,103</b>	
 <b>WATER TREATMENT EXPENSES</b>		
Operation Supervision and Engineering (640)	55,867	26
Chemicals (641)	71,740	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.

Particulars (a)	Amount (b)	
<b>WATER TREATMENT EXPENSES</b>		
Operation Labor and Expenses (642)	374,754	28
Miscellaneous Expenses (643)	3,620	29
Rents (644)		30
Maintenance Supervision and Engineering (650)	7,593	31
Maintenance of Structures and Improvements (651)		32
Maintenance of Water Treatment Equipment (652)	17,004	33
<b>Total Water Treatment Expenses</b>	<b>530,578</b>	
 <b>TRANSMISSION AND DISTRIBUTION EXPENSES</b>		
Operation Supervision and Engineering (660)	112,995	34
Storage Facilities Expenses (661)	51,691	35
Transmission and Distribution Lines Expenses (662)	57,456	36
Meter Expenses (663)	135,914	37
Customer Installations Expenses (664)	117,973	38
Miscellaneous Expenses (665)	329,466	39
Rents (666)		40
Maintenance Supervision and Engineering (670)		41
Maintenance of Structures and Improvements (671)		42
Maintenance of Distribution Reservoirs and Standpipes (672)	1,515	43
Maintenance of Transmission and Distribution Mains (673)	538,845	44
Maintenance of Fire Mains (674)		45
Maintenance of Services (675)	383,950	46
Maintenance of Meters (676)	95,502	47
Maintenance of Hydrants (677)	208,915	48
Maintenance of Miscellaneous Plant (678)		49
<b>Total Transmission and Distribution Expenses</b>	<b>2,034,222</b>	
 <b>CUSTOMER ACCOUNTS EXPENSES</b>		
Supervision (901)	13,319	50
Meter Reading Labor (902)	76,451	51
Customer Records and Collection Expenses (903)	160,053	52
Uncollectible Accounts (904)		53

## 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.

Particulars (a)	Amount (b)	
<b>CUSTOMER ACCOUNTS EXPENSES</b>		
Miscellaneous Customer Accounts Expenses (905)		54
<b>Total Customer Accounts Expenses</b>	<b>249,823</b>	
 <b>SALES EXPENSES</b>		
Sales Expenses (910)		55
<b>Total Sales Expenses</b>	<b>0</b>	
 <b>ADMINISTRATIVE AND GENERAL EXPENSES</b>		
Administrative and General Salaries (920)	723,501	56
Office Supplies and Expenses (921)	123,163	57
Administrative Expenses Transferred--Credit (922)		58
Outside Services Employed (923)	25,749	59
Property Insurance (924)	19,300	60
Injuries and Damages (925)	410,756	61
Employee Pensions and Benefits (926)	1,022,291	62
Regulatory Commission Expenses (928)	3,801	63
Duplicate Charges--Credit (929)		64
Miscellaneous General Expenses (930)	51,071	65
Rents (931)		66
Maintenance of General Plant (932)	3,048	67
<b>Total Administrative and General Expenses</b>	<b>2,382,680</b>	
 <b>Total Operation and Maintenance Expenses</b>	 <b>7,323,188</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		2,077,440	1
Less: Local and School Tax Equivalent on Meters Charged to Sewer Department		56,839	2
<b>Net property tax equivalent</b>		<b>2,020,601</b>	
Social Security		267,538	3
PSC Remainder Assessment		16,498	4
Other (specify): NONE			5
Deduction for School District Tax - Property in City but outside School District		(45,971)	6
Taxes Capitalized		(40,261)	7
<b>Total tax expense</b>		<b>2,218,405</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			Dane				1
<b>SUMMARY OF TAX RATES</b>							<b>2</b>
State tax rate	mills		0.204400				3
County tax rate	mills		3.368300				4
Local tax rate	mills		9.400000				5
School tax rate	mills		14.633200				6
Voc. school tax rate	mills		1.512400				7
Other tax rate - Local	mills		0.000000				8
Other tax rate - Non-Local	mills		0.000000				9
<b>Total tax rate</b>	mills		<b>29.118300</b>				<b>10</b>
Less: state credit	mills		2.501200				11
<b>Net tax rate</b>	mills		<b>26.617100</b>				<b>12</b>
<b>PROPERTY TAX EQUIVALENT CALCULATION</b>							<b>13</b>
<b>Local Tax Rate</b>	mills		<b>9.400000</b>				<b>14</b>
<b>Combined School Tax Rate</b>	mills		<b>16.145600</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>25.545600</b>				<b>17</b>
<b>Total Tax Rate</b>	mills		<b>29.118300</b>				<b>18</b>
<b>Ratio of Local and School Tax to Total</b>	dec.		<b>0.877304</b>				<b>19</b>
<b>Total tax net of state credit</b>	mills		<b>26.617100</b>				<b>20</b>
<b>Net Local and School Tax Rate</b>	mills		<b>23.351287</b>				<b>21</b>
Utility Plant, Jan. 1	\$	<b>91,794,759</b>	91,794,759				22
Materials & Supplies	\$	<b>459,919</b>	459,919				23
<b>Subtotal</b>	\$	<b>92,254,678</b>	<b>92,254,678</b>				<b>24</b>
Less: Plant Outside Limits	\$	<b>1,857,999</b>	1,857,999				25
<b>Taxable Assets</b>	\$	<b>90,396,679</b>	<b>90,396,679</b>				<b>26</b>
Assessment Ratio	dec.		0.979810				27
<b>Assessed Value</b>	\$	<b>88,571,570</b>	<b>88,571,570</b>				<b>28</b>
<b>Net Local &amp; School Rate</b>	mills		<b>23.351287</b>				<b>29</b>
<b>Tax Equiv. Computed for Current Year</b>	\$	<b>2,068,260</b>	<b>2,068,260</b>				<b>30</b>
Tax Equivalent per 1994 PSC Report	\$	2,077,440					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>2,077,440</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)	333,997		4
Structures and Improvements (311)	0		5
Collecting and Impounding Reservoirs (312)	3,918,475		6
Lake, River and Other Intakes (313)	0		7
Wells and Springs (314)	1,713,941		8
Infiltration Galleries and Tunnels (315)	0		9
Supply Mains (316)	0		10
Other Water Source Plant (317)	0		11
<b>Total Source of Supply Plant</b>	<b>5,966,413</b>	<b>0</b>	
<b>PUMPING PLANT</b>			
Land and Land Rights (320)	414		12
Structures and Improvements (321)	2,323,740	51,854	13
Boiler Plant Equipment (322)	0		14
Other Power Production Equipment (323)	0		15
Steam Pumping Equipment (324)	0		16
Electric Pumping Equipment (325)	2,597,149	163,137	17
Diesel Pumping Equipment (326)	0		18
Hydraulic Pumping Equipment (327)	0		19
Other Pumping Equipment (328)	15,559		20
<b>Total Pumping Plant</b>	<b>4,936,862</b>	<b>214,991</b>	
<b>WATER TREATMENT PLANT</b>			
Land and Land Rights (330)	0		21
Structures and Improvements (331)	0		22
Water Treatment Equipment (332)	105,433	642	23
<b>Total Water Treatment Plant</b>	<b>105,433</b>	<b>642</b>	
<b>TRANSMISSION AND DISTRIBUTION PLANT</b>			
Land and Land Rights (340)	77,917		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)			333,997	4
Structures and Improvements (311)			0	5
Collecting and Impounding Reservoirs (312)			3,918,475	6
Lake, River and Other Intakes (313)			0	7
Wells and Springs (314)			1,713,941	8
Infiltration Galleries and Tunnels (315)			0	9
Supply Mains (316)			0	10
Other Water Source Plant (317)			0	11
<b>Total Source of Supply Plant</b>	<b>0</b>	<b>0</b>	<b>5,966,413</b>	
<b>PUMPING PLANT</b>				
Land and Land Rights (320)			414	12
Structures and Improvements (321)			2,375,594	13
Boiler Plant Equipment (322)			0	14
Other Power Production Equipment (323)			0	15
Steam Pumping Equipment (324)			0	16
Electric Pumping Equipment (325)	58,857		2,701,429	17
Diesel Pumping Equipment (326)			0	18
Hydraulic Pumping Equipment (327)			0	19
Other Pumping Equipment (328)			15,559	20
<b>Total Pumping Plant</b>	<b>58,857</b>	<b>0</b>	<b>5,092,996</b>	
<b>WATER TREATMENT PLANT</b>				
Land and Land Rights (330)			0	21
Structures and Improvements (331)			0	22
Water Treatment Equipment (332)			106,075	23
<b>Total Water Treatment Plant</b>	<b>0</b>	<b>0</b>	<b>106,075</b>	
<b>TRANSMISSION AND DISTRIBUTION PLANT</b>				
Land and Land Rights (340)			77,917	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)	1,851,792	3,250	26
Transmission and Distribution Mains (343)	44,634,449	1,275,913	27
Fire Mains (344)	0		28
Services (345)	14,302,840	972,802	29
Meters (346)	4,384,197	178,490	30
Hydrants (348)	5,111,248	194,369	31
Other Transmission and Distribution Plant (349)	0		32
<b>Total Transmission and Distribution Plant</b>	<b>70,362,443</b>	<b>2,624,824</b>	
<b>GENERAL PLANT</b>			
Land and Land Rights (389)	363,140		33
Structures and Improvements (390)	2,880,740	19,756	34
Office Furniture and Equipment (391)	70,824	4,598	35
Computer Equipment (391.1)	1,673,004	93,231	36
Transportation Equipment (392)	1,486,059	279,498	37
Stores Equipment (393)	47,255		38
Tools, Shop and Garage Equipment (394)	393,016	41,823	39
Laboratory Equipment (395)	9,200		40
Power Operated Equipment (396)	792,189	132,034	41
Communication Equipment (397)	149,859		42
SCADA Equipment (397.1)	287,127	1,597	43
Miscellaneous Equipment (398)	0		44
Other Tangible Property (399)	0		45
<b>Total General Plant</b>	<b>8,152,413</b>	<b>572,537</b>	
<b>Total utility plant in service directly assignable</b>	<b>89,523,564</b>	<b>3,412,994</b>	
Common Utility Plant Allocated to Water Department	0		46
<b>Total utility plant in service</b>	<b>89,523,564</b>	<b>3,412,994</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)			1,855,042 26
Transmission and Distribution Mains (343)	15,185		45,895,177 27
Fire Mains (344)			0 28
Services (345)	10,230		15,265,412 29
Meters (346)	62,675		4,500,012 30
Hydrants (348)	2,139		5,303,478 31
Other Transmission and Distribution Plant (349)			0 32
<b>Total Transmission and Distribution Plant</b>	<b>90,229</b>	<b>0</b>	<b>72,897,038</b>
<b>GENERAL PLANT</b>			
Land and Land Rights (389)			363,140 33
Structures and Improvements (390)	9,000		2,891,496 34
Office Furniture and Equipment (391)	2,597		72,825 35
Computer Equipment (391.1)	11,958		1,754,277 36
Transportation Equipment (392)	124,054		1,641,503 37
Stores Equipment (393)			47,255 38
Tools, Shop and Garage Equipment (394)	11,550		423,289 39
Laboratory Equipment (395)			9,200 40
Power Operated Equipment (396)	112,021		812,202 41
Communication Equipment (397)			149,859 42
SCADA Equipment (397.1)			288,724 43
Miscellaneous Equipment (398)			0 44
Other Tangible Property (399)			0 45
<b>Total General Plant</b>	<b>271,180</b>	<b>0</b>	<b>8,453,770</b>
<b>Total utility plant in service directly assignable</b>	<b>420,266</b>	<b>0</b>	<b>92,516,292</b>
Common Utility Plant Allocated to Water Department			0 46
<b>Total utility plant in service</b>	<b>420,266</b>	<b>0</b>	<b>92,516,292</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)	1,559,059	2.33%	91,300	2
Lake, River and Other Intakes (313)	0			3
Wells and Springs (314)	770,129	2.44%	41,820	4
Infiltration Galleries and Tunnels (315)	0			5
Supply Mains (316)	0			6
Other Water Source Plant (317)	0			7
<b>Total Source of Supply Plant</b>	<b>2,329,188</b>		<b>133,120</b>	
<b>PUMPING PLANT</b>				
Structures and Improvements (321)	1,080,338	2.22%	52,163	8
Boiler Plant Equipment (322)	0			9
Other Power Production Equipment (323)	0			10
Steam Pumping Equipment (324)	0			11
Electric Pumping Equipment (325)	1,923,503	4.78%	126,636	12
Diesel Pumping Equipment (326)	0			13
Hydraulic Pumping Equipment (327)	0			14
Other Pumping Equipment (328)	15,559	3.85%		15
<b>Total Pumping Plant</b>	<b>3,019,400</b>		<b>178,799</b>	
<b>WATER TREATMENT PLANT</b>				
Structures and Improvements (331)	0			16
Water Treatment Equipment (332)	42,081	4.55%	4,812	17
<b>Total Water Treatment Plant</b>	<b>42,081</b>		<b>4,812</b>	
<b>TRANSMISSION AND DISTRIBUTION PLANT</b>				
Structures and Improvements (341)	0			18
Distribution Reservoirs and Standpipes (342)	657,149	1.89%	35,030	19
Transmission and Distribution Mains (343)	5,764,548	1.05%	475,281	20
Fire Mains (344)	0			21
Services (345)	3,213,909	2.50%	369,603	22
Meters (346)	1,375,416	3.52%	156,220	23
Hydrants (348)	1,026,912	1.40%	72,903	24
Other Transmission and Distribution Plant (349)	0			25
<b>Total Transmission and Distribution Plant</b>	<b>12,037,934</b>		<b>1,109,037</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					1,650,359	2
313					0	3
314			320		812,269	4
315					0	5
316					0	6
317					0	7
	<b>0</b>	<b>0</b>	<b>320</b>	<b>0</b>	<b>2,462,628</b>	
321			5		1,132,506	8
322					0	9
323					0	10
324					0	11
325	58,857	22,542	593		1,969,333	12
326					0	13
327					0	14
328					15,559	15
	<b>58,857</b>	<b>22,542</b>	<b>598</b>	<b>0</b>	<b>3,117,398</b>	
331					0	16
332					46,893	17
	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>46,893</b>	
341					0	18
342					692,179	19
343	15,185	33,112	640		6,192,172	20
344					0	21
345	10,230	77,115	1,357		3,497,524	22
346	62,675		9,262		1,478,223	23
348	2,139	3,596	1,230		1,095,310	24
349					0	25
	<b>90,229</b>	<b>113,823</b>	<b>12,489</b>	<b>0</b>	<b>12,955,408</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)	1,375,267	4.00%	115,445	<b>26</b>
Office Furniture and Equipment (391)	26,931	4.75%	3,412	<b>27</b>
Computer Equipment (391.1)	767,032	14.29%	244,879	<b>28</b>
Transportation Equipment (392)	675,932		108,222	<b>29</b>
Stores Equipment (393)	20,398	3.57%	1,687	<b>30</b>
Tools, Shop and Garage Equipment (394)	209,341	6.00%	24,489	<b>31</b>
Laboratory Equipment (395)	6,828	5.56%	512	<b>32</b>
Power Operated Equipment (396)	316,382		67,200	<b>33</b>
Communication Equipment (397)	66,645	9.09%	13,622	<b>34</b>
SCADA Equipment (397.1)	132,545	8.58%	24,704	<b>35</b>
Miscellaneous Equipment (398)	0			<b>36</b>
Other Tangible Property (399)	0			<b>37</b>
<b>Total General Plant</b>	<b><u>3,597,301</u></b>		<b><u>604,172</u></b>	
<b>Total accum. prov. directly assignable</b>	<b><u>21,025,904</u></b>		<b><u>2,029,940</u></b>	
 Common Utility Plant Allocated to Water Department	 0			 <b>38</b>
 <b>Total accum. prov. for depreciation</b>	 <b><u><u>21,025,904</u></u></b>		 <b><u><u>2,029,940</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	9,000	297	337		1,481,752	26
391	2,597				27,746	27
391.1	11,958				999,953	28
392	124,054		48,898		708,998	29
393					22,085	30
394	11,550		4,400		226,680	31
395					7,340	32
396	112,021		44,821		316,382	33
397					80,267	34
397.1					157,249	35
398					0	36
399					0	37
	<b>271,180</b>	<b>297</b>	<b>98,456</b>	<b>0</b>	<b>4,028,452</b>	
	<b>420,266</b>	<b>136,662</b>	<b>111,863</b>	<b>0</b>	<b>22,610,779</b>	
					<b>0</b>	<b>38</b>
	<b>420,266</b>	<b>136,662</b>	<b>111,863</b>	<b>0</b>	<b>22,610,779</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			899,753	<b>899,753</b>	1
February			841,681	<b>841,681</b>	2
March			917,721	<b>917,721</b>	3
April			937,061	<b>937,061</b>	4
May			1,059,270	<b>1,059,270</b>	5
June			1,066,953	<b>1,066,953</b>	6
July			1,238,046	<b>1,238,046</b>	7
August			1,188,529	<b>1,188,529</b>	8
September			1,162,301	<b>1,162,301</b>	9
October			1,024,389	<b>1,024,389</b>	10
November			877,264	<b>877,264</b>	11
December			907,590	<b>907,590</b>	12
<b>Total for year</b>	<b>0</b>	<b>0</b>	<b>12,120,558</b>	<b>12,120,558</b>	
Less: Measured or estimated water used in main flushing and water treatment during year				101,690	13
Less: Other utility use					14
Other utility use explanation:					15
Water pumped into distribution system				<b>12,018,868</b>	16
Less: Water sold				10,917,599	17
Losses and unaccounted for				<b>1,101,269</b>	18
Percent unaccounted for to the nearest whole percent (%)				<b>9%</b>	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				49,367	21
Date of maximum: 7/29/1998					22
Cause of maximum:					23
Sprinkling & Air Conditioning					
Minimum gallons pumped by all methods in any one day during reporting year				21,124	24
Date of minimum: 1/11/1998					25
Total KWH used for pumping for the year				23,414,527	26
If water is purchased: Vendor Name:					27
Point of Delivery:					28

### SOURCES OF WATER SUPPLY - GROUND WATERS

Location (a)	Identification Number (b)	Depth in feet (c)	Well Diameter in inches (d)	Yield Per Day in gallons (e)	Currently In Service? (f)	
212 N FIRST ST	03	753	15	2,660,000	Yes	<b>1</b>
1520 MOORLAND RD	05	828	12	1,870,000	Yes	<b>2</b>
2757 UNIVERSITY AVE	06	750	22	3,710,000	Yes	<b>3</b>
1709 N SHERMAN AVE	07	737	16	2,990,000	Yes	<b>4</b>
3206 LAKELAND AVE	08	774	16	2,380,000	Yes	<b>5</b>
4724 SPAANEM AVE	09	843	16	2,020,000	Yes	<b>6</b>
4251 MOHAWK DR	10	1,000	16	2,880,000	Yes	<b>7</b>
102 DEMPSEY RD	11	756	22	2,380,000	Yes	<b>8</b>
801 S WHITNEY WAY	12	986	22	3,640,000	Yes	<b>9</b>
1201 WHEELER RD	13	780	22	2,950,000	Yes	<b>10</b>
5130 UNIVERSITY AVE	14	715	22	3,420,000	Yes	<b>11</b>
3900 E WASHINGTON AVE	15	753	22	3,170,000	Yes	<b>12</b>
6706 MINERAL POINT RD	16	1,004	22	3,460,000	Yes	<b>13</b>
201 S HANCOCK ST	17	800	23	3,560,000	Yes	<b>14</b>
1925 S PARK ST	18	808	29	3,170,000	Yes	<b>15</b>
1525 LAKE MENDOTA DR	19	718	29	3,170,000	Yes	<b>16</b>
2829 PRAIRIE RD	20	1,009	29	3,170,000	Yes	<b>17</b>
1109 PFLAUM RD	22	457	16	790,000	Yes	<b>18</b>
4502 LEO DR	23	500	12	1,700,000	Yes	<b>19</b>
101 N LIVINGSTON ST	24	733	29	3,020,000	Yes	<b>20</b>
5415 QUEENSBRIDGE RD	25	830	29	3,170,000	Yes	<b>21</b>
910 HIGH POINT RD	26	1,175	29	3,170,000	Yes	<b>22</b>
18 N RANDALL AVE	27	744	29	3,170,000	Yes	<b>23</b>
BLOOMING GROVE SAN DIST	SD #8	605	10	187,000	Yes	<b>24</b>

## 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)
NONE				

### 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	030-159-481	031-DC515233	050-87150L	1
Location	UNIT WELL 3	UNIT WELL 3	UNIT WELL 5	2
Purpose	P	B	P	3
Destination	R	D	R	4
Pump Manufacturer	AMERICAN	C-D	L-BOW	5
Year Installed	1998	1982	1979	6
Type	VERTICAL TURBINE	CENTRIFUGAL	VERTICAL TURBINE	7
Actual Capacity (gpm)	1,700	1,800	1,120	8
Pump Motor or Standby Engine Mfr	U.S.	F-M	G.E.	10
Year Installed	1968	1955	1976	11
Type	ELECTRIC	ELECTRIC	ELECTRIC	12
Horsepower	150	125	100	13

Particulars (a)	Unit D (b)	Unit E (c)	Unit F (d)	
Identification	051-DGA 3A2	060-C-22554	061-39692	14
Location	UNIT WELL 5	UNIT WELL 6	UNIT WELL 6	15
Purpose	B	P	B	16
Destination	D	R	D	17
Pump Manufacturer	F-M	L-BOW	F-M	18
Year Installed	1966	1984	1956	19
Type	CENTRIFUGAL	VERTICAL TURBINE	CENTRIFUGAL	20
Actual Capacity (gpm)	872	2,300	2,100	21
Pump Motor or Standby Engine Mfr	L.A.	U.S.	F-M	23
Year Installed	1966	1956	1956	24
Type	ELECTRIC	ELECTRIC	ELECTRIC	25
Horsepower	100	200	150	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	070-MF404190	071-410469	080-59731A	1
Location	UNIT WELL 7	UNIT WELL 7	UNIT WELL 8	2
Purpose	P	B	P	3
Destination	R	D	R	4
Pump Manufacturer	GOULDS	F-M	L-BOW	5
Year Installed	1998	1942	1980	6
Type	VERTICAL TURBINE	CENTRIFUGAL	VERTICAL TURBINE	7
Actual Capacity (gpm)	2,320	1,452	1,700	8
Pump Motor or Standby Engine Mfr	U.S.	F-M	G.E.	10
Year Installed	1955	1955	1980	11
Type	ELECTRIC	ELECTRIC	ELECTRIC	12
Horsepower	200	150	125	13

Particulars (a)	Unit D (b)	Unit E (c)	Unit F (d)	
Identification	081-603866	090-2626067	091-80187	14
Location	UNIT WELL 8	UNIT WELL 9	UNIT WELL 9	15
Purpose	B	P	B	16
Destination	D	R	D	17
Pump Manufacturer	F-M	PEER	A.W.W.	18
Year Installed	1948	1995	1956	19
Type	CENTRIFUGAL	VERTICAL TURBINE	CENTRIFUGAL	20
Actual Capacity (gpm)	1,303	1,750	2,000	21
Pump Motor or Standby Engine Mfr	F-M	G.E.	U.S.	23
Year Installed	1948	1952	1956	24
Type	ELECTRIC	ELECTRIC	ELECTRIC	25
Horsepower	150	150	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	100-34886A	101-120950	110-	1
Location	UNIT WELL 10	UNIT WELL 10	UNIT WELL 11	2
Purpose	P	B	P	3
Destination	R	D	R	4
Pump Manufacturer	L-BOW	PEER	L-BOW	5
Year Installed	1979	1957	1980	6
Type	VERTICAL TURBINE	CENTRIFUGAL	VERTICAL TURBINE	7
Actual Capacity (gpm)	2,150	1,762	1,960	8
Pump Motor or Standby Engine Mfr	G.E.	L.A.	A-C	10
Year Installed	1957	1957	1981	11
Type	ELECTRIC	ELECTRIC	ELECTRIC	12
Horsepower	200	100	100	13

Particulars (a)	Unit D (b)	Unit E (c)	Unit F (d)	
Identification	111-DC-516852	120-335827	121-65433	14
Location	UNIT WELL 11	UNIT WELL 12	UNIT WELL 12	15
Purpose	B	P	B	16
Destination	D	R	D	17
Pump Manufacturer	C-D	L-BOW	A-C	18
Year Installed	1984	1963	1959	19
Type	CENTRIFUGAL	VERTICAL TURBINE	CENTRIFUGAL	20
Actual Capacity (gpm)	2,100	2,350	2,025	21
Pump Motor or Standby Engine Mfr	F-M	WEST	A-C	23
Year Installed	1958	1959	1959	24
Type	ELECTRIC	ELECTRIC	ELECTRIC	25
Horsepower	150	250	150	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	130-7077	131-A-6-38549	140-96-09969	1
Location	UNIT WELL 13	UNIT WELL 13	UNIT WELL 14	2
Purpose	P	B	P	3
Destination	R	D	R	4
Pump Manufacturer	AMERICAN	C.H.W	L-NW	5
Year Installed	1990	1960	1996	6
Type	VERTICAL TURBINE	CENTRIFUGAL	VERTICAL TURBINE	7
Actual Capacity (gpm)	2,035	2,098	2,400	8
Pump Motor or Standby Engine Mfr	WEST	E-D	U.S.	10
Year Installed	1959	1960	1980	11
Type	ELECTRIC	ELECTRIC	ELECTRIC	12
Horsepower	250	200	50	13

Particulars (a)	Unit D (b)	Unit E (c)	Unit F (d)	
Identification	141-SAG-43852	150-53920A	151-53921	14
Location	UNIT WELL 14	UNIT WELL 15	UNIT WELL 15	15
Purpose	B	P	B	16
Destination	D	R	D	17
Pump Manufacturer	C.H.W.	L-NW	L-NW	18
Year Installed	1962	1980	1966	19
Type	CENTRIFUGAL	VERTICAL TURBINE	CENTRIFUGAL	20
Actual Capacity (gpm)	1,801	2,200	2,472	21
Pump Motor or Standby Engine Mfr	E-D	G.E.	G.E.	23
Year Installed	1962	1968	1966	24
Type	ELECTRIC	ELECTRIC	ELECTRIC	25
Horsepower	150	125	160	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	160-58734	161-58735	162-58736	1
Location	UNIT WELL 16	UNIT WELL 16	UNIT WELL 16	2
Purpose	P	B	B	3
Destination	R	D	D	4
Pump Manufacturer	L-NW	L-NW	L-NW	5
Year Installed	1968	1968	1968	6
Type	VERTICAL TURBINE	CENTRIFUGAL	CENTRIFUGAL	7
Actual Capacity (gpm)	2,250	1,650	2,150	8
Pump Motor or Standby Engine Mfr	G.E.	G.E.	G.E.	10
Year Installed	1968	1968	1968	11
Type	ELECTRIC	ELECTRIC	ELECTRIC	12
Horsepower	250	100	125	13

Particulars (a)	Unit D (b)	Unit E (c)	Unit F (d)	
Identification	170-91330L	171-319294	172-319295	14
Location	UNIT WELL 17	UNIT WELL 17	UNIT WELL 17	15
Purpose	P	B	B	16
Destination	R	D	D	17
Pump Manufacturer	L-NW	PEER	PEER	18
Year Installed	1979	1968	1968	19
Type	VERTICAL TURBINE	CENTRIFUGAL	CENTRIFUGAL	20
Actual Capacity (gpm)	2,050	1,250	2,175	21
Pump Motor or Standby Engine Mfr	G.E.	L.A.	L.A.	23
Year Installed	1968	1968	1968	24
Type	ELECTRIC	ELECTRIC	ELECTRIC	25
Horsepower	150	150	200	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	180-98-10089	181-83-2877	182-69-13369	1
Location	UNIT WELL 18	UNIT WELL 18	UNIT WELL 18	2
Purpose	P	B	B	3
Destination	R	D	D	4
Pump Manufacturer	L-BOW	A.P.	A.P.	5
Year Installed	1996	1984	1971	6
Type	VERTICAL TURBINE	CENTRIFUGAL	CENTRIFUGAL	7
Actual Capacity (gpm)	2,200	1,800	2,050	8
Pump Motor or Standby Engine Mfr	G.E.	REL.	REL.	10
Year Installed	1971	1971	1971	11
Type	ELECTRIC	ELECTRIC	ELECTRIC	12
Horsepower	200	125	150	13

Particulars (a)	Unit D (b)	Unit E (c)	Unit F (d)	
Identification	190-10588	191-731-07982-1-1	192-731-07982-3-1	14
Location	UNIT WELL 19	UNIT WELL 19	UNIT WELL 19	15
Purpose	P	B	B	16
Destination	R	D	D	17
Pump Manufacturer	AMERICAN	A-C	A-C	18
Year Installed	1993	1974	1974	19
Type	VERTICAL TURBINE	CENTRIFUGAL	CENTRIFUGAL	20
Actual Capacity (gpm)	2,250	1,400	2,100	21
Pump Motor or Standby Engine Mfr	U.S.	A-C	A-C	23
Year Installed	1974	1974	1974	24
Type	ELECTRIC	ELECTRIC	ELECTRIC	25
Horsepower	150	125	150	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	193-731-07982-3-2	200-73923	201-76902	1
Location	UNIT WELL 19	UNIT WELL 20	UNIT WELL 20	2
Purpose	B	P	B	3
Destination	D	R	D	4
Pump Manufacturer	A-C	AMERICAN	A.W.W.	5
Year Installed	1974	1992	1976	6
Type	CENTRIFUGAL	VERTICAL TURBINE	CENTRIFUGAL	7
Actual Capacity (gpm)	2,100	200	1,200	8
Pump Motor or Standby Engine Mfr	A-C	G.E.	F-M	9 10
Year Installed	1974	1973	1976	11
Type	ELECTRIC	ELECTRIC	ELECTRIC	12
Horsepower	150	300	50	13

Particulars (a)	Unit D (b)	Unit E (c)	Unit F (d)	
Identification	220-36193	230-385340	231-40171	14
Location	UNIT WELL 22	UNIT WELL 23	UNIT WELL 23	15
Purpose	P	P	B	16
Destination	D	R	D	17
Pump Manufacturer	L-NW	L-BOW	L-NW	18
Year Installed	1962	1977	1962	19
Type	VERTICAL TURBINE	VERTICAL TURBINE	CENTRIFUGAL	20
Actual Capacity (gpm)	550	1,200	1,050	21
Pump Motor or Standby Engine Mfr	A-C	U.S.	U.S.	22 23
Year Installed	1962	1977	1962	24
Type	ELECTRIC	ELECTRIC	ELECTRIC	25
Horsepower	75	60	60	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	240-	241-751661	242-756189	1
Location	UNIT WELL 24	UNIT WELL 24	UNIT WELL 24	2
Purpose	P	B	B	3
Destination	R	D	D	4
Pump Manufacturer	L-NW	F-M	F-M	5
Year Installed	1995	1952	1952	6
Type	VERTICAL TURBINE	CENTRIFUGAL	CENTRIFUGAL	7
Actual Capacity (gpm)	2,100	1,225	2,025	8
Pump Motor or Standby Engine Mfr	U.S.	F-M	F-M	10
Year Installed	1980	1952	1952	11
Type	ELECTRIC	ELECTRIC	ELECTRIC	12
Horsepower	150	100	150	13

Particulars (a)	Unit D (b)	Unit E (c)	Unit F (d)	
Identification	243-25795	250-2622456	251-52870	14
Location	UNIT WELL 24	UNIT WELL 25	UNIT WELL 25	15
Purpose	B	P	B	16
Destination	D	R	D	17
Pump Manufacturer	A-C	PEER	WORTH	18
Year Installed	1975	1983	1983	19
Type	CENTRIFUGAL	VERTICAL TURBINE	CENTRIFUGAL	20
Actual Capacity (gpm)	3,000	2,160	1,525	21
Pump Motor or Standby Engine Mfr	F-M	G.E.	U.S.	23
Year Installed	1975	1983	1983	24
Type	ELECTRIC	ELECTRIC	ELECTRIC	25
Horsepower	200	200	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	252-53282	260-109059-L	261-	1
Location	UNIT WELL 25	UNIT WELL 26	UNIT WELL 26	2
Purpose	B	P	B	3
Destination	D	R	D	4
Pump Manufacturer	WORTH	L-NW	WORTH	5
Year Installed	1983	1989	1988	6
Type	CENTRIFUGAL	VERTICAL TURBINE	CENTRIFUGAL	7
Actual Capacity (gpm)	2,250	2,125	1,000	8
Pump Motor or Standby Engine Mfr	U.S.	U.S.	U.S.	10
Year Installed	1983	1988	1988	11
Type	ELECTRIC	ELECTRIC	ELECTRIC	12
Horsepower	125	350	50	13

Particulars (a)	Unit D (b)	Unit E (c)	Unit F (d)	
Identification	262-	270-L16237L	271-	14
Location	UNIT WELL 26	UNIT WELL 27	UNTI WELL 27	15
Purpose	B	P	B	16
Destination	D	R	D	17
Pump Manufacturer	WORTH	AMERICAN	AURORA	18
Year Installed	1988	1998	1992	19
Type	CENTRIFUGAL	VERTICAL TURBINE	CENTRIFUGAL	20
Actual Capacity (gpm)	2,000	2,200	1,500	21
Pump Motor or Standby Engine Mfr	U.S.	G.E.	U.S.	23
Year Installed	1988	1992	1992	24
Type	ELECTRIC	ELECTRIC	ELECTRIC	25
Horsepower	100	200	125	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	272-	SAN DIST 8		1
Location	UNIT WELL 27	SANITARY DISTRICT 8		2
Purpose	B	P		3
Destination	D	R		4
Pump Manufacturer	C-D	L-NW		5
Year Installed	1992	1965		6
Type	CENTRIFUGAL	VERTICAL TURBINE		7
Actual Capacity (gpm)	2,100	130		8
Pump Motor or Standby Engine Mfr	U.S	G.E		10
Year Installed	1992	1973		11
Type	ELECTRIC	ELECTRIC		12
Horsepower	150	200		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
Year Installed				23
Type				24
Horsepower				25
				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	ALLIS HEIGHTS	HIGH CROSSING	HIGH SERVICE	1
<b>RESERVOIRS, STANDPIPES OR ELEVATED TANKS</b>				<b>2</b>
Type: R (reservoir), S (standpipe) or ET (elevated tank)	S	ET	R	3
Year constructed	1951	1994	1926	4
Primary material (earthen, steel, concrete, other)	STEEL	STEEL	CONCRETE	5
Elevation difference in feet (See Headnote 3.)	200	275	211	6
Total capacity in gallons	3,000,000	500,000	6,000,000	7
<b>WATER TREATMENT PLANT</b>				<b>8</b>
Disinfection, type of equipment (gas, liquid, powder, other)	LIQUID	LIQUID	LIQUID	9
Points of application (wellhouse, central facilities, booster station, other)	WELLHOUSE	WELLHOUSE	WELLHOUSE	10
Filters, type (gravity, pressure, other, none)	NONE	NONE	NONE	11
Rated capacity of filter plant (m.g.d.) (note: 1,200,000 gal/day = 1.2 m.g.d.)	65.8000	65.8000	65.8000	12
Is a corrosion control chemical used (yes, no)?	N	N	N	13
Is water fluoridated (yes, no)?	Y	Y	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	L.A.SMITH	LA SMITH	LAKEVIEW	1
<b>RESERVOIRS, STANDPIPES OR ELEVATED TANKS</b>				<b>2</b>
Type: R (reservoir), S (standpipe) or ET (elevated tank)	S	ET	ET	3
Year constructed	1964	1976	1971	4
Primary material (earthen, steel, concrete, other)	STEEL	STEEL	STEEL	5
Elevation difference in feet (See Headnote 3.)	307	382	288	6
Total capacity in gallons	4,200,000	100,000	55,000	7
<b>WATER TREATMENT PLANT</b>				<b>8</b>
Disinfection, type of equipment (gas, liquid, powder, other)	LIQUID	LIQUID	LIQUID	9
Points of application (wellhouse, central facilities, booster station, other)	WELLHOUSE	WELLHOUSE	WELLHOUSE	10
Filters, type (gravity, pressure, other, none)	NONE	NONE	NONE	11
Rated capacity of filter plant (m.g.d.) (note: 1,200,000 gal/day = 1.2 m.g.d.)	65.8000	65.8000	65.8000	12
Is a corrosion control chemical used (yes, no)?	N	N	N	13
Is water fluoridated (yes, no)?	Y	Y	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	NICHOLS	NORDNESS	SANITARY DISTRICT 08	1
<b>RESERVOIRS, STANDPIPES OR ELEVATED TANKS</b>				<b>2</b>
Type: R (reservoir), S (standpipe) or ET (elevated tank)	R	S	ET	3
Year constructed	1975	1967	1972	4
Primary material (earthen, steel, concrete, other)	CONCRETE	STEEL	STEEL	5
Elevation difference in feet (See Headnote 3.)	10	181	126	6
Total capacity in gallons	4,000,000	3,000,000	75,000	7
<b>WATER TREATMENT PLANT</b>				<b>8</b>
Disinfection, type of equipment (gas, liquid, powder, other)	LIQUID	LIQUID	LIQUID	9
Points of application (wellhouse, central facilities, booster station, other)	WELLHOUSE	WELLHOUSE	WELLHOUSE	10
Filters, type (gravity, pressure, other, none)	NONE	NONE	NONE	11
Rated capacity of filter plant (m.g.d.) (note: 1,200,000 gal/day = 1.2 m.g.d.)	65.8000	65.8000	65.8000	12
Is a corrosion control chemical used (yes, no)?	N	N	N	13
Is water fluoridated (yes, no)?	Y	Y	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	UNIT WELL 03	UNIT WELL 05	UNIT WELL 06	1
<b>RESERVOIRS, STANDPIPES OR ELEVATED TANKS</b>				<b>2</b>
Type: R (reservoir), S (standpipe) or ET (elevated tank)	R	R	R	3
Year constructed	1930	1979	1938	4
Primary material (earthen, steel, concrete, other)	CONCRETE	CONCRETE	CONCRETE	5
Elevation difference in feet (See Headnote 3.)	8	58	34	6
Total capacity in gallons	40,000	250,000	155,000	7
<b>WATER TREATMENT PLANT</b>				<b>8</b>
Disinfection, type of equipment (gas, liquid, powder, other)	LIQUID	LIQUID	LIQUID	9
Points of application (wellhouse, central facilities, booster station, other)	WELLHOUSE	WELLHOUSE	WELLHOUSE	10
Filters, type (gravity, pressure, other, none)	NONE	NONE	NONE	11
Rated capacity of filter plant (m.g.d.) (note: 1,200,000 gal/day = 1.2 m.g.d.)	65.8000	65.8000	65.8000	12
Is a corrosion control chemical used (yes, no)?	N	N	N	13
Is water fluoridated (yes, no)?	Y	Y	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	UNIT WELL 07	UNIT WELL 08	UNIT WELL 10	1
<b>RESERVOIRS, STANDPIPES OR ELEVATED TANKS</b>				<b>2</b>
Type: R (reservoir), S (standpipe) or ET (elevated tank)	R	R	R	3
Year constructed	1941	1944	1953	4
Primary material (earthen, steel, concrete, other)	CONCRETE	CONCRETE	CONCRETE	5
Elevation difference in feet (See Headnote 3.)	46	23	152	6
Total capacity in gallons	135,000	140,000	100,000	7
<b>WATER TREATMENT PLANT</b>				<b>8</b>
Disinfection, type of equipment (gas, liquid, powder, other)	LIQUID	LIQUID	LIQUID	9
Points of application (wellhouse, central facilities, booster station, other)	WELLHOUSE	WELLHOUSE	WELLHOUSE	10
Filters, type (gravity, pressure, other, none)	NONE	NONE	NONE	11
Rated capacity of filter plant (m.g.d.) (note: 1,200,000 gal/day = 1.2 m.g.d.)	65.8000	65.8000	65.8000	12
Is a corrosion control chemical used (yes, no)?	N	N	N	13
Is water fluoridated (yes, no)?	Y	Y	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	UNIT WELL 11	UNIT WELL 12	UNIT WELL 13	1
<b>RESERVOIRS, STANDPIPES OR ELEVATED TANKS</b>				<b>2</b>
Type: R (reservoir), S (standpipe) or ET (elevated tank)	R	R	R	<b>3</b>
Year constructed	1958	1958	1960	<b>4</b>
Primary material (earthen, steel, concrete, other)	CONCRETE	CONCRETE	CONCRETE	<b>5</b>
Elevation difference in feet (See Headnote 3.)	22	154	18	<b>6</b>
Total capacity in gallons	150,000	150,000	150,000	<b>7</b>
<b>WATER TREATMENT PLANT</b>				<b>8</b>
Disinfection, type of equipment (gas, liquid, powder, other)	LIQUID	LIQUID	LIQUID	<b>9</b>
Points of application (wellhouse, central facilities, booster station, other)	WELLHOUSE	WELLHOUSE	WELLHOUSE	<b>10</b>
Filters, type (gravity, pressure, other, none)	NONE	NONE	NONE	<b>11</b>
Rated capacity of filter plant (m.g.d.) (note: 1,200,000 gal/day = 1.2 m.g.d.)	65.8000	65.8000	65.8000	<b>12</b>
Is a corrosion control chemical used (yes, no)?	N	N	N	<b>13</b>
Is water fluoridated (yes, no)?	Y	Y	Y	<b>14</b>

## 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	UNIT WELL 14	UNIT WELL 15	UNIT WELL 16	1
<b>RESERVOIRS, STANDPIPES OR ELEVATED TANKS</b>				<b>2</b>
Type: R (reservoir), S (standpipe) or ET (elevated tank)	R	R	R	<b>3</b>
Year constructed	1962	1967	1968	<b>4</b>
Primary material (earthen, steel, concrete, other)	CONCRETE	CONCRETE	CONCRETE	<b>5</b>
Elevation difference in feet (See Headnote 3.)	33	46	20	<b>6</b>
Total capacity in gallons	150,000	150,000	279,000	<b>7</b>
<b>WATER TREATMENT PLANT</b>				<b>8</b>
Disinfection, type of equipment (gas, liquid, powder, other)	LIQUID	LIQUID	LIQUID	<b>9</b>
Points of application (wellhouse, central facilities, booster station, other)	WELLHOUSE	WELLHOUSE	WELLHOUSE	<b>10</b>
Filters, type (gravity, pressure, other, none)	NONE	NONE	NONE	<b>11</b>
Rated capacity of filter plant (m.g.d.) (note: 1,200,000 gal/day = 1.2 m.g.d.)	65.8000	65.8000	65.8000	<b>12</b>
Is a corrosion control chemical used (yes, no)?	N	N	N	<b>13</b>
Is water fluoridated (yes, no)?	Y	Y	Y	<b>14</b>

## 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	UNIT WELL 17	UNIT WELL 18	UNIT WELL 19	1
<b>RESERVOIRS, STANDPIPES OR ELEVATED TANKS</b>				<b>2</b>
Type: R (reservoir), S (standpipe) or ET (elevated tank)	R	R	R	3
Year constructed	1968	1971	1974	4
Primary material (earthen, steel, concrete, other)	CONCRETE	CONCRETE	CONCRETE	5
Elevation difference in feet (See Headnote 3.)	8	9	36	6
Total capacity in gallons	375,000	477,000	3,000,000	7
<b>WATER TREATMENT PLANT</b>				<b>8</b>
Disinfection, type of equipment (gas, liquid, powder, other)	LIQUID	LIQUID	LIQUID	9
Points of application (wellhouse, central facilities, booster station, other)	WELLHOUSE	WELLHOUSE	WELLHOUSE	10
Filters, type (gravity, pressure, other, none)	NONE	NONE	NONE	11
Rated capacity of filter plant (m.g.d.) (note: 1,200,000 gal/day = 1.2 m.g.d.)	65.8000	65.8000	65.8000	12
Is a corrosion control chemical used (yes, no)?	N	N	N	13
Is water fluoridated (yes, no)?	Y	Y	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	UNIT WELL 23	UNIT WELL 25	UNIT WELL 26	1
<b>RESERVOIRS, STANDPIPES OR ELEVATED TANKS</b>				<b>2</b>
				<b>3</b>
Type: R (reservoir), S (standpipe) or ET (elevated tank)	R	R	ET	<b>4</b>
				<b>5</b>
Year constructed	1962	1983	1988	<b>6</b>
				<b>7</b>
Primary material (earthen, steel, concrete, other)	CONCRETE	CONCRETE	STEEL	<b>8</b>
				<b>9</b>
Elevation difference in feet (See Headnote 3.)	80	92	458	<b>10</b>
				<b>11</b>
Total capacity in gallons	100,000	325,000	250,000	<b>12</b>
<b>WATER TREATMENT PLANT</b>				<b>13</b>
Disinfection, type of equipment (gas, liquid, powder, other)	LIQUID	LIQUID	LIQUID	<b>14</b>
				<b>15</b>
Points of application (wellhouse, central facilities, booster station, other)	WELLHOUSE	WELLHOUSE	WELLHOUSE	<b>16</b>
				<b>17</b>
Filters, type (gravity, pressure, other, none)	NONE	NONE	NONE	<b>18</b>
				<b>19</b>
Rated capacity of filter plant (m.g.d.) (note: 1,200,000 gal/day = 1.2 m.g.d.)	65.8000	65.8000	65.8000	<b>20</b>
				<b>21</b>
Is a corrosion control chemical used (yes, no)?	N	N	N	<b>22</b>
				<b>23</b>
Is water fluoridated (yes, no)?	Y	Y	Y	<b>24</b>
				<b>25</b>

## 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	UNIT WELL 261	UNIT WELL 27	1
<b>RESERVOIRS, STANDPIPES OR ELEVATED TANKS</b>			<b>2</b>
Type: R (reservoir), S (standpipe) or ET (elevated tank)	R	R	3
Year constructed	1988	1992	4
Primary material (earthen, steel, concrete, other)	CONCRETE	CONCRETE	5
Elevation difference in feet (See Headnote 3.)	337	12	6
Total capacity in gallons	4,000,000	315,000	7
<b>WATER TREATMENT PLANT</b>			<b>8</b>
Disinfection, type of equipment (gas, liquid, powder, other)	LIQUID	LIQUID	9
Points of application (wellhouse, central facilities, booster station, other)	WELLHOUSE	WELLHOUSE	10
Filters, type (gravity, pressure, other, none)	NONE	NONE	11
Rated capacity of filter plant (m.g.d.) (note: 1,200,000 gal/day = 1.2 m.g.d.)	65.8000	65.8000	12
Is a corrosion control chemical used (yes, no)?	N	N	13
Is water fluoridated (yes, no)?	Y	Y	14

### 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	0.750	578	0	0	0	578	1	
M	D	1.000	4,314	0	0	0	4,314	2	
M	D	1.500	1,080	0	0	0	1,080	3	
M	D	2.000	6,161	0	0	0	6,161	4	
M	D	3.000	2,882	0	0	0	2,882	5	
M	D	4.000	229,276	10	1,362	0	227,924	6	
P	D	4.000	163	0	0	0	163	7	
M	D	6.000	1,648,706	2,135	1,480	0	1,649,361	8	
P	D	6.000	1,120	0	0	0	1,120	9	
M	D	8.000	765,348	16,402	2,378	0	779,372	10	
P	D	8.000	13,633	0	0	0	13,633	11	
M	D	10.000	525,898	3,021	65	0	528,854	12	
P	D	10.000	17,687	0	0	0	17,687	13	
M	D	12.000	260,183	6,564	24	0	266,723	14	
P	D	12.000	18,016	0	0	0	18,016	15	
M	D	14.000	2,129	0	0	0	2,129	16	
M	D	16.000	131,379	1,066	0	0	132,445	17	
M	D	20.000	43,885	0	0	0	43,885	18	
M	D	24.000	2,154	0	0	0	2,154	19	
<b>Total Within Municipality</b>			<b>3,674,592</b>	<b>29,198</b>	<b>5,309</b>	<b>0</b>	<b>3,698,481</b>		
M	D	6.000	35,087	0	0	0	35,087	20	
M	D	8.000	16,813	0	0	0	16,813	21	
M	D	10.000	9,188	0	0	0	9,188	22	
M	D	12.000	8,557	0	0	0	8,557	23	
M	D	16.000	7,620	0	0	0	7,620	24	
M	D	20.000	31	0	0	0	31	25	
<b>Total Outside of Municipality</b>			<b>77,296</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>77,296</b>		
<b>Total Utility</b>			<b>3,751,888</b>	<b>29,198</b>	<b>5,309</b>	<b>0</b>	<b>3,775,777</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)	
L	0.625	4,845	0	302	0	4,543		1
L	0.750	396	0	3	0	393		2
M	0.750	30,478	6	28	0	30,456		3
M	1.000	11,818	470	9	0	12,279		4
L	1.000	92	0	2	0	90		5
M	1.250	16	0	0	0	16		6
M	1.500	1,668	11	4	0	1,675		7
M	2.000	1,371	31	5	0	1,397		8
M	3.000	186	0	0	0	186		9
P	4.000	12	0	0	0	12		10
M	4.000	677	4	2	0	679		11
M	6.000	703	82	0	0	785		12
P	6.000	8	0	0	0	8		13
M	8.000	376	22	0	0	398		14
P	8.000	2	0	0	0	2		15
M	10.000	36	1	0	0	37		16
P	10.000	1	0	0	0	1		17
M	12.000	10	2	0	0	12		18
<b>Total Utility</b>		<b>52,695</b>	<b>629</b>	<b>355</b>	<b>0</b>	<b>52,969</b>	<b>0</b>	

### 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	50,161	809	440	0	50,530	5,599	1
0.750	2,180	70	28	0	2,222	307	2
1.000	2,087	99	134	0	2,052	293	3
1.500	1,035	92	102	0	1,025	195	4
2.000	748	96	99	0	745	137	5
3.000	127	2	0	0	129	108	6
4.000	87	0	1	0	86	72	7
6.000	33	0	0	0	33	21	8
8.000	3	0	0	0	3	2	9
10.000	1	0	0	0	1	1	10
12.000	1	0	0	0	1	1	11
<b>Total:</b>	<b>56,463</b>	<b>1,168</b>	<b>804</b>	<b>0</b>	<b>56,827</b>	<b>6,736</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	47,020	3,136	4	72	0	298	50,530	1
0.750	456	1,596	14	58	0	98	2,222	2
1.000	37	1,755	13	123	0	124	2,052	3
1.500	0	818	7	44	0	156	1,025	4
2.000	0	624	8	81	0	32	745	5
3.000	0	71	10	38	0	10	129	6
4.000	0	34	6	39	0	7	86	7
6.000	0	4	7	10	7	5	33	8
8.000	0	0	0	2	1	0	3	9
10.000	0	0	0	1	0	0	1	10
12.000	0	0	0	1	0	0	1	11
<b>Total:</b>	<b>47,513</b>	<b>8,038</b>	<b>69</b>	<b>469</b>	<b>8</b>	<b>730</b>	<b>56,827</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	140				140	1
Within Municipality	6,319	76	8		6,387	2
<b>Total Fire Hydrants</b>	<b>6,459</b>	<b>76</b>	<b>8</b>	<b>0</b>	<b>6,527</b>	
<b>Flushing Hydrants</b>						
	120		2		118	3
<b>Total Flushing Hydrants</b>	<b>120</b>	<b>0</b>	<b>2</b>	<b>0</b>	<b>118</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: 3,226  
 Number of distribution system valves end of year: 15,119  
 Number of distribution valves operated during year: 3,988

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## WATER OPERATING SECTION FOOTNOTES

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

Account 614 - Maint. of Wells - Unit Wells No.13 and 23 were rehabilitated in 1997; none were rehabilitated in 1998.

Account 624 - The decrease was due to reducing inspection rounds of pumphouses to 1 per day in 1998.

Account 631 - Maint. of Structures - In 1998 there was a charge of \$10,768 for work on the security system at pumphouses. No similar charge was incurred in 1997.

Account 642 - Operation Labor & Expense (Water Treatment) - The 1998 increase was due to closing a work order for corrosion control study in the amount of \$73,089.

Account 660 - Operation Supervision & Engineering - The increase was due to a re-allocation of wages.

Account 664 - Customer Installation Expense - A position of cross connector inspector, vacant for most of 1997, was filled in 1998.

Account 673 - Maint. of Mains - The decrease was due to a decrease in main leaks in 1998.

Account 676 - Maint. of Meters - The meter shop was short a mechanic during 1998.

Account 677 - Maint. of Hydrants - The decrease was due to fewer hydrants being raised, lowered, or moved in 1998.

Account 902 - Meter Reading - The decrease was due to having one less meter reader in 1998 and to a re-allocation of wages.

Account 925 - Injuries and Damages - The increase was due to much larger worker's compensation costs in 1998.

Account 926 - Employee Pensions & Benefits - The increase was due to recording in 1998 a large liability for accumulated sick leave expense.

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

Account 325 - Replaced deepwell pumps at Unit Wells #3,7, and 27. Acquired booster station on N Thompson Drive

Account 392 - Purchased 10 vehicles, retired 6 vehicles.

Account 396 - Replaced 1 backhoe.

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### Water Mains (Page W-17)

Some mains added were financed by property owners, some by developer contributions, and some by the Utility.

Refer to Public Service Commission Rate Schedule No. X-1.

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## WATER OPERATING SECTION FOOTNOTES

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### Water Services (Page W-18)

Some services added were financed by property owners, some by developer contributions, and some by the Utility.

Refer to Public Service Commission Rate Schedule No. X-1.

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

In a letter dated November 25, 1997, the Madison Water Utility requested a waiver of the two year valve operation cycle. On January 30, 1998 we received a letter from the Public Service Commission of Wisconsin authorizing our request for an extension of the valve operation cycle from two to four years.

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