



3013 (02-09-04)

ANNUAL REPORT

OF

Name: MILWAUKEE WATER WORKS

Principal Office: 841 N. BROADWAY ROOM 409
MILWAUKEE, WI 53202-3687

For the Year Ended: DECEMBER 31, 2002

**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: MILWAUKEE WATER WORKS

Utility Address: 841 N. BROADWAY ROOM 409
MILWAUKEE, WI 53202-3687

When was utility organized? 4/18/1871

Report any change in name:

Effective Date:

Utility Web Site: www.mpw.net

Utility employee in charge of correspondence concerning this report:

Name: MR TIMOTHY J. IGNATOWSKI

Title: ACCOUNTANT III

Office Address:

841 NORTH BROADWAY RM 409
MILWAUKEE, WI 53202-3687

Telephone: (414) 286 - 2435

Fax Number: (414) 286 - 2672

E-mail Address: tignat@mpw.net

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

Name:

Title:

Office Address:

Telephone:

Fax Number:

E-mail Address:

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

Name: MR. MARIANO SCHIFALACQUA

Title: COMMISSIONER OF PUBLIC WORKS

Office Address:

841 N BROADWAY RM 516
MILWAUKEE, WI 53202-3687

Telephone:

Fax Number:

E-mail Address:

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

IDENTIFICATION AND OWNERSHIP

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

Name:

Title:

Office Address: KPMG PEAT MARWICK LLP
777 E WISCONSIN AVE
MILWAUKEE, WI 53202

Telephone:

Fax Number:

E-mail Address:

Date of most recent audit report: 3/22/2002

Period covered by most recent audit: 01/01/2001 THROUGH 12/31/01

Names and titles of utility management including manager or superintendent:

Name: MS CARRIE M. LEWIS

Title: SUPERINTENDENT

Office Address:

841 NORTH BROADWAY RM 409
MILWAUKEE, WI 53202-3687

Telephone: (414) 286 - 2801

Fax Number: (414) 286 - 2672

E-mail Address: clewis@mpw.net

Name of utility commission/committee: UTIL AND LICENSE COMMITTEE

Names of members of utility commission/committee:

- MR JAMES A BOHL, JR, UTIL & LICENSE COMMITTEE
- MR JOSEPH A DUDZIK, UTIL & LICENSE COMMITTEE
- MR FREDRICK G GORDON, UTIL & LICENSE COMMITTEE
- MR JEFFREY A PAWLINSKI, UTIL & LICENSE COMMITTEE

Is sewer service rendered by the utility? NO

If "yes," has the municipality, by ordinance, combined the water and sewer service into a single public utility, as provided by Wis. Stat. § 66.0819 of the Wisconsin Statutes?NO

Date of Ordinance:

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

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

IDENTIFICATION AND OWNERSHIP

Firm Name:

Contact Person:

Title:

Telephone:

Fax Number:

E-mail Address:

Contract/Agreement beginning-ending dates:

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

No contract services provided.

INCOME STATEMENT

Particulars (a)	This Year (b)	Last Year (c)	
UTILITY OPERATING INCOME			
Operating Revenues (400)	69,584,144	61,923,561	1
Operating Expenses:			
Operation and Maintenance Expense (401-402)	34,531,670	33,071,777	2
Depreciation Expense (403)	10,514,028	8,917,426	3
Amortization Expense (404-407)	0	0	4
Taxes (408)	8,936,288	9,132,975	5
Total Operating Expenses	53,981,986	51,122,178	
Net Operating Income	15,602,158	10,801,383	
Income from Utility Plant Leased to Others (412-413)	0	0	6
Utility Operating Income	15,602,158	10,801,383	
OTHER INCOME			
Income from Merchandising, Jobbing and Contract Work (415-416)	381,699	377,194	7
Income from Nonutility Operations (417)	0	0	8
Nonoperating Rental Income (418)	0	0	9
Interest and Dividend Income (419)	385,626	617,847	10
Miscellaneous Nonoperating Income (421)	0	0	11
Total Other Income	767,325	995,041	
Total Income	16,369,483	11,796,424	
MISCELLANEOUS INCOME DEDUCTIONS			
Miscellaneous Amortization (425)	0	0	12
Other Income Deductions (426)	33,057	29,742	13
Total Miscellaneous Income Deductions	33,057	29,742	
Income Before Interest Charges	16,336,426	11,766,682	
INTEREST CHARGES			
Interest on Long-Term Debt (427)	212,110	3,006,379	14
Amortization of Debt Discount and Expense (428)			15
Amortization of Premium on Debt--Cr. (429)			16
Interest on Debt to Municipality (430)	2,610,644	0	17
Other Interest Expense (431)	0	0	18
Interest Charged to Construction--Cr. (432)			19
Total Interest Charges	2,822,754	3,006,379	
Net Income	13,513,672	8,760,303	
EARNED SURPLUS			
Unappropriated Earned Surplus (Beginning of Year) (216)	244,115,174	234,872,415	20
Balance Transferred from Income (433)	13,513,672	8,760,303	21
Miscellaneous Credits to Surplus (434)	7,794,423	7,859,606	22
Miscellaneous Debits to Surplus--Debit (435)	6,649,045	7,377,150	23
Appropriations of Surplus--Debit (436)	0	0	24
Appropriations of Income to Municipal Funds--Debit (439)	0	0	25
Total Unappropriated Earned Surplus End of Year (216)	258,774,224	244,115,174	

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)	
Revenues from Utility Plant Leased to Others (412):		
NONE		1
Total (Acct. 412):	0	
Expenses of Utility Plant Leased to Others (413):		
NONE		2
Total (Acct. 413):	0	
Income from Nonutility Operations (417):		
NONE		3
Total (Acct. 417):	0	
Nonoperating Rental Income (418):		
NONE		4
Total (Acct. 418):	0	
Interest and Dividend Income (419):		
INTEREST EARNED FROM LGIP	385,626	5
Total (Acct. 419):	385,626	
Miscellaneous Nonoperating Income (421):		
NONE		6
Total (Acct. 421):	0	
Miscellaneous Amortization (425):		
NONE		7
Total (Acct. 425):	0	
Other Income Deductions (426):		
MAINTENANCE OF PARKS, FOUNTAINS, AND A MINERAL WELL	31,080	8
DEPRCIATION OF NON-UTILITY PLANT	1,977	9
Total (Acct. 426):	33,057	
Miscellaneous Credits to Surplus (434):		
TAX EQUIVALENT FORMULA VARIATIONS	399,339	10
2002 DEBT SERVICE TAKEN BY CITY 12/01, PAID 2002	7,395,084	11
Total (Acct. 434):	7,794,423	
Miscellaneous Debits to Surplus (435):		
2003 DEBT SERVICE TRANSFER TAKEN BY CITY, 12/02	6,649,045	12
Total (Acct. 435)--Debit:	6,649,045	
Appropriations of Surplus (436):		
Detail appropriations to (from) account 215		13
Total (Acct. 436)--Debit:	0	
Appropriations of Income to Municipal Funds (439):		
NONE		14
Total (Acct. 439)--Debit:	0	

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

Particulars (a)	Water (b)	Electric (c)	Sewer (d)	Gas (e)	Total (f)	
Revenues (account 415)	478,136				478,136	1
Costs and Expenses of Merchandising, Jobbing and Contract Work (416):						
Cost of merchandise sold	0				0	2
Payroll	58,117				58,117	3
Materials	38,320				38,320	4
Taxes					0	5
Other (list by major classes):						
NONE					0	6
Total costs and expenses	96,437	0	0	0	96,437	
Net income (or loss)	381,699	0	0	0	381,699	

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	69,584,144	0	0	0	69,584,144	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	
Other Increases or (Decreases) to Operating Revenues - Specify:							
NONE						0	6
Revenues subject to Wisconsin Remainder Assessment	69,584,144	0	0	0	69,584,144		

DISTRIBUTION OF TOTAL PAYROLL

1. Amount originally charged to clearing accounts as shown in column (b) should be shown as finally distributed in column (c).
2. The amount for clearing accounts in column (c) is entered as a negative for account "Clearing Accounts" and the distributions to accounts on all other lines in column (c) will be positive with the total of column (c) being zero.
3. Provide additional information in the schedule footnotes when necessary.

Accounts Charged (a)	Direct Payroll Distribution (b)	Allocation of Amounts Charged Clearing Accts. (c)	Total (d)	
Water operating expenses	14,330,795		14,330,795	1
Electric operating expenses			0	2
Gas operating expenses			0	3
Heating operating expenses			0	4
Sewer operating expenses			0	5
Merchandising and jobbing	58,117		58,117	6
Other nonutility expenses	12,492		12,492	7
Water utility plant accounts	1,420,889		1,420,889	8
Electric utility plant accounts			0	9
Gas utility plant accounts			0	10
Heating utility plant accounts			0	11
Sewer utility plant accounts			0	12
Accum. prov. for depreciation of water plant			0	13
Accum. prov. for depreciation of electric plant			0	14
Accum. prov. for depreciation of gas plant			0	15
Accum. prov. for depreciation of heating plant			0	16
Accum. prov. for depreciation of sewer plant			0	17
Clearing accounts			0	18
All other accounts			0	19
Total Payroll	15,822,293	0	15,822,293	

BALANCE SHEET

Assets and Other Debits (a)	Balance End of Year (b)	Balance First of Year (c)	
UTILITY PLANT			
Utility Plant (101-107)	486,564,630	476,835,507	1
Less: Accumulated Provision for Depreciation and Amortization (111-116)	137,020,311	126,309,205	2
Net Utility Plant	349,544,319	350,526,302	
Utility Plant Acquisition Adjustments (117-118)			3
Other Utility Plant Adjustments (119)			4
Total Net Utility Plant	349,544,319	350,526,302	
OTHER PROPERTY AND INVESTMENTS			
Nonutility Property (121)	540,299	540,299	5
Less: Accumulated Provision for Depreciation and Amortization of Nonutility Property (122)	123,305	121,328	6
Net Nonutility Property	416,994	418,971	
Investment in Municipality (123)	0	0	7
Other Investments (124)	0	0	8
Special Funds (125-128)	0	0	9
Total Other Property and Investments	416,994	418,971	
CURRENT AND ACCRUED ASSETS			
Cash and Working Funds (131)	607,946	445,854	10
Special Deposits (132-134)	17,030,225	15,744,692	11
Working Funds (135)	4,000	1,000	12
Temporary Cash Investments (136)			13
Notes Receivable (141)	0	0	14
Customer Accounts Receivable (142)	10,658,152	11,290,760	15
Other Accounts Receivable (143)	0	0	16
Accumulated Provision for Uncollectible Accounts- -Cr. (144)	0	0	17
Receivables from Municipality (145)	0	0	18
Materials and Supplies (151-163)	2,262,673	2,612,570	19
Prepayments (165)	13,244	29,229	20
Interest and Dividends Receivable (171)	35,148	35,605	21
Accrued Utility Revenues (173)	9,668,731	5,726,812	22
Miscellaneous Current and Accrued Assets (174)			23
Total Current and Accrued Assets	40,280,119	35,886,522	
DEFERRED DEBITS			
Unamortized Debt Discount and Expense (181)	0	0	24
Other Deferred Debits (182-186)	298,667	366,677	25
Total Deferred Debits	298,667	366,677	
Total Assets and Other Debits	390,540,099	387,198,472	

BALANCE SHEET

Liabilities and Other Credits (a)	Balance End of Year (b)	Balance First of Year (c)	
PROPRIETARY CAPITAL			
Capital Paid in by Municipality (200)	800,082	800,082	26
Appropriated Earned Surplus (215)			27
Unappropriated Earned Surplus (216)	258,774,224	244,115,174	28
Total Proprietary Capital	259,574,306	244,915,256	
LONG-TERM DEBT			
Bonds (221-222)	15,330,801	63,814,668	29
Advances from Municipality (223)	42,744,798	0	30
Other Long-Term Debt (224)	0	0	31
Total Long-Term Debt	58,075,599	63,814,668	
CURRENT AND ACCRUED LIABILITIES			
Notes Payable (231)	0	0	32
Accounts Payable (232)	594,405	1,826,888	33
Payables to Municipality (233)	(2,717,347)	1,883,129	34
Customer Deposits (235)			35
Taxes Accrued (236)	0	0	36
Interest Accrued (237)	322,711	333,065	37
Matured Long-Term Debt (239)			38
Matured Interest (240)			39
Tax Collections Payable (241)			40
Miscellaneous Current and Accrued Liabilities (242)	2,477,457	2,568,672	41
Total Current and Accrued Liabilities	677,226	6,611,754	
DEFERRED CREDITS			
Unamortized Premium on Debt (251)	0	0	42
Customer Advances for Construction (252)			43
Other Deferred Credits (253)	0	0	44
Total Deferred Credits	0	0	
OPERATING RESERVES			
Property Insurance Reserve (261)			45
Injuries and Damages Reserve (262)			46
Pensions and Benefits Reserve (263)			47
Miscellaneous Operating Reserves (265)			48
Total Operating Reserves	0	0	
CONTRIBUTIONS IN AID OF CONSTRUCTION			
Contributions in Aid of Construction (271)	72,212,968	71,856,794	49
Total Liabilities and Other Credits	390,540,099	387,198,472	

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)	
Plant Accounts:					
Utility Plant in Service (101)	474,354,457	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)					5
Completed Construction not Classified (106)					6
Construction Work in Progress (107)	12,210,173				7
Total Utility Plant	486,564,630	0	0	0	
Accumulated Provision for Depreciation and Amortization:					
Accumulated Provision for Depreciation of Utility Plant in Service (111)	137,020,311	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
Total Accumulated Provision	137,020,311	0	0	0	
Net Utility Plant	349,544,319	0	0	0	

ACCUMULATED PROVISION FOR DEPRECIATION AND AMORTIZATION OF UTILITY PLANT (ACCT. 111)

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)	
Balance first of year	126,309,205				126,309,205	1
Credits During Year						2
Accruals:						3
Charged depreciation expense (403)	10,514,028				10,514,028	4
Depreciation expense on meters						5
charged to sewer (see Note 3)	1,513,320				1,513,320	6
Accruals charged other						7
accounts (specify):						8
					0	9
Salvage	271,823				271,823	10
Other credits (specify):						11
					0	12
Total credits	12,299,171	0	0	0	12,299,171	13
Debits during year						14
Book cost of plant retired	1,509,086				1,509,086	15
Cost of removal	78,979				78,979	16
Other debits (specify):						17
					0	18
Total debits	1,588,065	0	0	0	1,588,065	19
Balance End of Year	137,020,311	0	0	0	137,020,311	20
						21
						22

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
Other (specify):					
Kilbourn Park Structures & Improvements	16,480			16,480	2
Kilbourn Park Equipment	8,320			8,320	3
Land - Howard Treatment Plant	338,960			338,960	4
Riverside Park Equipment	11,238			11,238	5
RIVERSIDE PARK - STRUCT & IMPROVE	17,708			17,708	6
North Point Tower	53,239			53,239	7
North Point Parks - Struc. & Improvem.	65,728			65,728	8
Land - Bluemound Tank Site	6,759			6,759	9
Land - Florist Station	21,867			21,867	10
Total Nonutility Property (121)	540,299	0	0	540,299	
Less accum. prov. depr. & amort. (122)	121,328	1,977		123,305	11
Net Nonutility Property	418,971	(1,977)	0	416,994	

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

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

MATERIALS AND SUPPLIES

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

Account	Total End of Year	Amount Prior Year
Electric utility total	0	0 1
Water utility (154)	2,262,673	2,612,570 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
Total Materials and Supplies	2,262,673	2,612,570

**UNAMORTIZED DEBT DISCOUNT & EXPENSE & PREMIUM ON DEBT
(ACCTS. 181 AND 251)**

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

Debt Issue to Which Related (a)	Written Off During Year		Balance End of Year (d)	
	Amount (b)	Account Charged or Credited (c)		
Unamortized debt discount & expense (181)				
NONE				1
Total			<u>0</u>	
Unamortized premium on debt (251)				
NONE				2
Total			<u>0</u>	

CAPITAL PAID IN BY MUNICIPALITY (ACCT. 200)

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

Particulars (a)	Amount (b)	
Balance first of year	800,082	1
Changes during year (explain):		
NONE		2
Balance end of year	800,082	

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)	
SDW - 1ST ISSUE	12/22/1998	05/01/2018	2.64%	4,254,669	1
SDW - 2ND ISSUE	03/24/1999	05/01/2018	2.64%	1,412,835	2
SDW - 3RD ISSUE	04/14/1999	05/01/2018	2.64%	4,366,348	3
SDW - 4TH ISSUE	08/11/1999	05/01/2018	2.64%	3,621,816	4
SDW - 5TH ISSUE	12/22/1999	05/01/2018	2.64%	1,675,133	5
Total Bonds (Account 221):				15,330,801	
Total Reacquired Bonds (Account 222)				0	6

Net amount of bonds outstanding December 31: 15,330,801

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)	
Advances (223)					
SERIES E - REFUNDED	06/11/1996	06/11/2006	5.49%	2,399,200	1
SERIES F - REFUNDED	11/12/1996	11/12/2011	4.97%	3,493,888	2
SERIES G - REFUNDED	06/15/1997	06/15/2012	4.93%	1,405,345	3
SERIES J - REFUNDED	12/01/1997	12/01/2012	4.78%	2,903,968	4
SERIES K - REFUNDED	06/15/1998	06/15/2013	4.64%	7,214,040	5
SERIES REFUNDING - C AND D	01/23/1996	02/01/2015	5.83%	4,140,533	6
SERIES REFUNDING - C,D,F,G,J,K	10/15/2002	09/01/2016	3.95%	18,209,235	7
SERIES REFUNDING - E	06/13/2001	06/15/2019	4.49%	2,978,589	8
Total for Account 223				42,744,798	

TAXES ACCRUED (ACCT. 236)

Particulars (a)	Amount (b)	
Balance first of year	0	1
Accruals:		
Charged water department expense	8,936,288	2
Charged electric department expense		3
Charged sewer department expense		4
Other (explain):		
NONE		5
Total Accruals and other credits	<u>8,936,288</u>	
Taxes paid during year:		
County, state and local taxes	7,980,164	6
Social Security taxes	898,354	7
PSC Remainder Assessment	57,770	8
Other (explain):		
NONE		9
Total payments and other debits	<u>8,936,288</u>	
Balance end of year	<u><u>0</u></u>	

INTEREST ACCRUED (ACCT. 237)

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

Description of Issue (a)	Interest Accrued Balance First of Year (b)	Interest Accrued During Year (c)	Interest Paid During Year (d)	Interest Accrued Balance End of Year (e)	
Bonds (221)					
SERIES C - REFUNDED	2,069	(2,069)	0	0	1
SERIES D - REFUNDED	21,826	(21,826)	0	0	2
SERIES REFUNDING - C AND D	108,871	(108,871)	0	0	3
SERIES E - REFUNDED	7,047	(7,047)	0	0	4
Series F - 1st Issue	56,763	(56,763)	0	0	5
Series G - 1st Issue	6,608	(6,608)	0	0	6
Series J - 1st Issue	25,605	(25,605)	0	0	7
SERIES K - 1ST ISSUE	29,562	(29,562)	0	0	8
SDW - 1ST ISSUE	19,652	131,647	132,578	18,721	9
SDW - 2 ND ISSUE	6,523	43,718	44,025	6,216	10
SDW - 3 RD ISSUE	20,169	135,102	136,058	19,213	11
SDW - 4 TH ISSUE	16,582	111,800	112,446	15,936	12
SDW - 5 TH ISSUE	5,913	54,069	52,611	7,371	13
SERIES REFUNDING - E	5,875	(5,875)	0	0	14
Subtotal	333,065	212,110	477,718	67,457	
Advances from Municipality (223)					
SERIES REFUNDING - E	0	143,641	138,069	5,572	15
SERIES K - REFUNDED		696,325	682,378	13,947	16
SERIES J - REFUNDED		318,831	307,264	11,567	17
SERIES G - REFUNDED		153,749	150,862	2,887	18
SERIES F - REFUNDED		475,808	454,102	21,706	19
SERIES E - REFUNDED		159,337	153,849	5,488	20
SERIES REFUNDING - C AND D		569,446	468,866	100,580	21
SERIES REFUNDING - C,D,F,G,J,K		93,507	0	93,507	22
Subtotal	0	2,610,644	2,355,390	255,254	
Other Long-Term Debt (224)					
NONE	0			0	23
Subtotal	0	0	0	0	
Notes Payable (231)					
NONE	0			0	24
Subtotal	0	0	0	0	
Total	333,065	2,822,754	2,833,108	322,711	

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	71,856,794	0	0	0	0	71,856,794	1
Add credits during year:							
For Services						0	2
For Mains	356,174					356,174	3
Other (specify):							
NONE						0	4
Deduct charges (specify):							
NONE						0	5
Balance End of Year	72,212,968	0	0	0	0	72,212,968	
Amount of federal and state grants in aid received for utility construction included in End of Year totals	2,605,108					2,605,108	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)	
Investment in Municipality (123):		
NONE		1
Total (Acct. 123):	0	
Other Investments (124):		
NONE		2
Total (Acct. 124):	0	
Sinking Funds (125):		
NONE		3
Total (Acct. 125):	0	
Depreciation Fund (126):		
NONE		4
Total (Acct. 126):	0	
Other Special Funds (128):		
NONE		5
Total (Acct. 128):	0	
Interest Special Deposits (132):		
NONE		6
Total (Acct. 132):	0	
Other Special Deposits (134):		
INVESTMENTS BY THE CITY TREASURER	17,030,225	7
Total (Acct. 134):	17,030,225	
Notes Receivable (141):		
NONE		8
Total (Acct. 141):	0	
Customer Accounts Receivable (142):		
Water	10,275,150	9
Electric		10
Sewer (Regulated)		11
Other (specify):		
SUNDRY BILLS	383,002	12
Total (Acct. 142):	10,658,152	
Other Accounts Receivable (143):		
Sewer (Non-regulated)		13
Merchandising, jobbing and contract work		14
Other (specify):		
NONE		15
Total (Acct. 143):	0	

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)	
Receivables from Municipality (145):		
NONE		16
Total (Acct. 145):	0	
Prepayments (165):		
DPW REIMBURSEMENT CARRYOVER FROM 2002 TO 2003	13,244	17
Total (Acct. 165):	13,244	
Extraordinary Property Losses (182):		
NONE		18
Total (Acct. 182):	0	
Preliminary Survey and Investigation Charges (183):		
NONE		19
Total (Acct. 183):	0	
Clearing Accounts (184):		
NONE		20
Total (Acct. 184):	0	
Temporary Facilities (185):		
NONE		21
Total (Acct. 185):	0	
Miscellaneous Deferred Debits (186):		
BILLABLE WORK IN PROGRESS	298,667	22
Total (Acct. 186):	298,667	
Payables to Municipality (233):		
DUE FROM THE GENERAL FUND - 01	(3,756,928)	23
DUE TO THE SEWER TREATMENT FUND - 46	547,887	24
DUE TO THE SEWER MAINTENANCE FUND - 49	491,694	25
Total (Acct. 233):	(2,717,347)	
Other Deferred Credits (253):		
NONE		26
Total (Acct. 253):	0	

RETURN ON RATE BASE COMPUTATION

1. The data used in calculating rate base are averages.
2. Calculate those averages by summing the first-of-year and the end-of-year figures for each account and then dividing the sum by two.
3. Note: Do not include property held for future use or construction work in progress with utility plant in service. These are not rate base components.

Average Rate Base (a)	Water (b)	Electric (c)	Sewer (d)	Gas (e)	Total (f)	
Add Average:						
Utility Plant in Service	470,511,292	0	0	0	470,511,292	1
Materials and Supplies	2,437,621	0	0	0	2,437,621	2
Other (specify):						
NONE					0	3
Less Average:						
Reserve for Depreciation	131,664,758	0	0	0	131,664,758	4
Customer Advances for Construction					0	5
Contributions in Aid of Construction	72,034,881	0	0	0	72,034,881	6
Other (specify):						
NONE					0	7
Average Net Rate Base	269,249,274	0	0	0	269,249,274	
Net Operating Income	15,602,158	0	0	0	15,602,158	8
Net Operating Income as a percent of Average Net Rate Base						
	5.79%	N/A	N/A	N/A	5.79%	

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)	
Average Proprietary Capital		
Capital Paid in by Municipality	800,082	1
Appropriated Earned Surplus	0	2
Unappropriated Earned Surplus	251,444,699	3
Other (Specify):		
NONE		4
Total Average Proprietary Capital	252,244,781	
Net Income		
Net Income	13,513,672	5
 Percent Return on Proprietary Capital	 5.36%	

IMPORTANT CHANGES DURING THE YEAR

Report changes of any of the following types:

1. Acquisitions.

2. Leaseholder changes.

3. Extensions of service.

4. Estimated changes in revenues due to rate changes.

The water rate increase granted on June 1, 2002, per Docket 3720-WR-104 did have a significant effect on 2002 revenues even though consumption decreased (832 million gallons compared to last year). The estimated change in revenues was an increase of \$3.6 million.

5. Obligations incurred or assumed, excluding commercial paper.

6. Formal proceedings with the Public Service Commission.

The Public Service Commission granted a water rate increase (10% overall) on June 1, 2002. This was for a full water rate increase (Docket 3720-WR-104). An attachment to this rate case were revised depreciation rates for our fixed assets (letter dated 10/16/01, effective 1/1/02).

7. Any additional matters.

FINANCIAL SECTION FOOTNOTES

Income Statement Account Details (Page F-02)

ACCOUNT 434, MISCELLANEOUS CREDITS TO SURPLUS -

Tax Equivalent Formula Variations (Line 10). The City of Milwaukee charges the Water Works the City and School tax rates, but not the Vocation School (MATC) tax rate, as it considers the Vocational School to be not part of the City, but part of a regional entity. Nor does it recognize any of the State of Wisconsin tax credit. Thus, for 2002, the City charged the Water Works a tax equivalent of \$7,974,459, while by the PSC formula the tax equivalent was \$8,373,798. The difference of \$399,339 was recorded on line 10.

ACCOUNT 434 AND 435, MISCELLANEOUS CREDITS AND DEBITS TO SURPLUS -

Debt Service Payments (Line 11 and 12). At year end, by State Statute, the City must take cash from the Water Works in an amount equal to the coming year's debt service (line 12). This includes only the General Obligation bonds (Series C-K and the Refunding issues). The Safe Drinking Water issues are not included in this requirement. Also, at year end, the City returns the cash taken of the previous year for debt service (line 11). All of these bond issues are to pay for the ozonation, water treatment improvements, and intake expansion capital projects.

At the end of the year 2001, \$7,377,150 was transferred to the City of Milwaukee Debt Service Fund, to pay principal and interest on bond indebtedness in 2002. Normally, the amount returned to Retained Earnings at the end of 2002 would be the same. However, for 2002, the amount differs by \$17,934 (\$7,377,150 - \$7,395,084), which relates to refunding transaction in 2001 for Series E (6/15/96).

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

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

The PSC informed us that we were reporting our bond debt with our general obligation bond debt under PSC Account 221. Note the e-mail dated 12/27/02, that is in regards to our 2001 PSC Annual Report. General obligation bonds are now reported under PSC Account 223, not 221. These interest adjustments account for the correct reclass of our long term debt.

FINANCIAL SECTION FOOTNOTES

Balance Sheet End-of-Year Account Balances (Page F-19)

PSC 233 - PAYABLES TO MUNICIPALITY

Fund 01 is the General Fund of the City of Milwaukee. Every pay period, the Comptroller estimates how much of the revenue we received during the period should be invested for us or taken by the General Fund to cover our expenses. The City of Milwaukee pays our expenses and we reimburse the City. These expenses include payroll, fringes, inventory, and accounts payable. The Comptroller inadvertently over estimated our repayment due to the City, resulting in a debit balance at year end. This balance will be applied against expenses in 2003.

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

Note the Excel file (PSC233_F19) for additional detail. (this is located at w/compl/analytical reviews/2002 review workpapers labeled 3720 milwaukee.xls

Identification and Ownership - Contacts (Page iv)

good filer email 10/14/03:
Dear Mr. Ignatowski:

The Public Service Commission (Commission) staff has completed its analytical review of your utility's 2002 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. We have no questions only the following comments:

1. On Page W-7, line 9, an other tax rate is reported. In the future, please explain this tax rate in a footnote as requested by Schedule Head Note No. 5.
2. On Page W-19, it does not appear that all of the 6-inch and larger meters in use were tested. Meters 6-inches and larger in use are to be tested annually. In the future, please footnote any reasons that meters 6-inches and larger that appear to be in use were not tested.

In addition, you may receive additional inquiries from our office regarding your annual report during a rate case, construction authorization, or other Commission reviews.

Thank you for your efforts in preparing your 2002 annual report. We are closing the review of your 2002 annual report. . If you have any questions, please feel free to contact me at (608) 266-3768 or by e-mail at elaine.engelke@psc.state.wi.us.

Sincerely,

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

WATER OPERATING REVENUES & EXPENSES

Particulars (a)	Amounts (b)	
Operating Revenues		
Sales of Water		
Sales of Water (460-467)	62,979,494	1
Total Sales of Water	62,979,494	
Other Operating Revenues		
Forfeited Discounts (470)	1,525,332	2
Miscellaneous Service Revenues (471)	164,258	3
Rents from Water Property (472)	103,904	4
Interdepartmental Rents (473)	0	5
Other Water Revenues (474)	4,811,156	6
Amortization of Construction Grants (475)	0	7
Total Other Operating Revenues	6,604,650	
Total Operating Revenues	69,584,144	
Operation and Maintenance Expenses		
Source of Supply Expense (600-617)	0	8
Pumping Expenses (620-633)	4,741,376	9
Water Treatment Expenses (640-652)	7,592,710	10
Transmission and Distribution Expenses (660-678)	13,625,714	11
Customer Accounts Expenses (901-905)	947,527	12
Sales Expenses (910)	0	13
Administrative and General Expenses (920-932)	7,624,343	14
Total Operation and Maintenance Expenses	34,531,670	
Other Operating Expenses		
Depreciation Expense (403)	10,514,028	15
Amortization Expense (404-407)		16
Taxes (408)	8,936,288	17
Total Other Operating Expenses	19,450,316	
Total Operating Expenses	53,981,986	
NET OPERATING INCOME	15,602,158	

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. Account 460, Unmetered Sales to General Customers - Gallons of Water Sold should not include in any way quantity of water, i.e. metered, or measured by tank or pool volume. The quantity should be estimated based on size of pipe, flow, foot of frontage, etc. Bulk water sales should be Account 460 if the quantity is estimated and should be Account 461 if metered or measured by volume. Water related to construction should be a measured sale of water (either Account 461 or Account 464).
5. Other accounts: see application Help files for details.

Particulars (a)	Average No. Customers (b)	Thousands of Gallons of Water Sold (c)	Amounts (d)	
Operating Revenues				
Sales of Water				
Unmetered Sales to General Customers (460)				
Residential				1
Commercial	452	24,453	191,033	2
Industrial				3
Total Unmetered Sales to General Customers (460)	452	24,453	191,033	
Metered Sales to General Customers (461)				
Residential	143,125	13,661,906	26,233,028	4
Commercial	15,092	8,732,562	13,986,646	5
Industrial	1,644	7,028,571	7,100,876	6
Total Metered Sales to General Customers (461)	159,861	29,423,039	47,320,550	
Private Fire Protection Service (462)	2,173		512,402	7
Public Fire Protection Service (463)	10		4,960,512	8
Other Sales to Public Authorities (464)	1,074	2,600,835	3,060,047	9
Sales to Irrigation Customers (465)				10
Sales for Resale (466)	10	7,890,628	6,934,950	11
Interdepartmental Sales (467)				12
Total Sales of Water	163,580	39,938,955	62,979,494	

SALES FOR RESALE (ACCT. 466)

Use a separate line for each delivery point.

Customer Name (a)	Point of Delivery (b)	Thousands of Gallons Sold (c)	Revenues (d)	
CITY OF WAUWATOSA	W. CLARKE ST. & W.O. N.61 ST.	2,211,675	2,003,251	1
CITY OF WAUWATOSA	N. 60TH & W. STATE STREET			2
CITY OF WAUWATOSA	N. 84TH ST. & W. DANA COURT			3
CITY OF WEST ALLIS	S. 77TH & W. PIERCE STREET	2,436,913	2,052,967	4
CITY OF WEST ALLIS	S. 56TH ST. & W. NATIONAL AVE			5
CUDAHY, N SHORE, GREENDALE	STANDBY CHARGES		9,285	6
VILLAGE OF BROWN DEER	N. 40TH ST. & W. CALUMET RD.	563,695	534,580	7
VILLAGE OF BROWN DEER	N. 60TH ST. & W. BRADLEY RD.			8
VILLAGE OF BUTLER	N.124TH ST. & W. SILVER SPRING R	133,011	128,576	9
VILLAGE OF GREENDALE	S. 60TH ST. & W. EDGERTON AVE	556,219	627,175	10
VILLAGE OF MENOMONEE FALLS	N. 124TH ST. & W. SILVER SPRING F	1,235,816	922,035	11
VILLAGE OF MENOMONEE FALLS	N. 124TH ST. & W. BRADLEY RD.			12
VILLAGE OF SHOREWOOD	N. OAKLAND & E. EDGEWOOD AVE	461,417	453,007	13
VILLAGE OF SHOREWOOD	N. DOWNER & E. EDGEWOOD AVE			14
WISCONSIN GAS WATER SERVICES	N.76TH ST. & W. COUNTY LINE RD.	291,882	204,074	15
Total		7,890,628	6,934,950	

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)	
Public Fire Protection Service (463):		
Amount billed (usually per rate schedule F-1 or Fd-1)	4,458,546	1
Wholesale fire protection billed	501,966	2
Amount billed for fighting fires outside utility's service areas (usually per rate schedule F-2 or BW-1)		3
Other (specify): NONE		4
Total Public Fire Protection Service (463)	4,960,512	
Forfeited Discounts (470):		
Customer late payment charges	1,137,804	5
Other (specify): DELINQUENT PENALTIES - TAX ROLL ACCOUNTS	387,528	6
Total Forfeited Discounts (470)	1,525,332	
Miscellaneous Service Revenues (471):		
HOSE CONNECTION CHARGES	4,435	7
INVESTIGATION CHARGES	2,115	8
COLLECTION FEES	12,746	9
STATUS OF ACCOUNT FEES	106,803	10
NSF CHECK FEES	18,819	11
METER RESET FEES	2,050	12
FINAL BILL CHARGES	17,290	13
Total Miscellaneous Service Revenues (471)	164,258	
Rents from Water Property (472):		
ANTENNA FEES	103,904	14
Total Rents from Water Property (472)	103,904	
Interdepartmental Rents (473):		
NONE		15
Total Interdepartmental Rents (473)	0	
Other Water Revenues (474):		
Return on net investment in meters charged to sewer department	795,771	16
Other (specify): ADJUSTMENT OF UNBILLED RECEIVABLE	3,400,044	17
SALE OF MATERIALS	5,225	18
REIMBURE FROM SEWER TREAT, SEWER MAINT, & SOLID WASTE IN EXCESS OF EXPENSES	610,116	19
Total Other Water Revenues (474)	4,811,156	

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)
Amortization of Construction Grants (475):	
NONE	20
Total Amortization of Construction Grants (475)	0

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)	
SOURCE OF SUPPLY EXPENSES		
Operation Supervision and Engineering (600)		1
Operation Labor and Expenses (601)		2
Purchased Water (602)		3
Miscellaneous Expenses (603)		4
Rents (604)		5
Maintenance Supervision and Engineering (610)		6
Maintenance of Structures and Improvements (611)		7
Maintenance of Collecting and Impounding Reservoirs (612)		8
Maintenance of Lake, River and Other Intakes (613)		9
Maintenance of Wells and Springs (614)		10
Maintenance of Infiltration Galleries and Tunnels (615)		11
Maintenance of Supply Mains (616)		12
Maintenance of Miscellaneous Water Source Plant (617)		13
Total Source of Supply Expenses	0	
PUMPING EXPENSES		
Operation Supervision and Engineering (620)		14
Fuel for Power Production (621)		15
Power Production Labor and Expenses (622)		16
Fuel or Power Purchased for Pumping (623)	3,653,142	17
Pumping Labor and Expenses (624)	292,331	18
Expenses Transferred--Credit (625)		19
Miscellaneous Expenses (626)	19,096	20
Rents (627)		21
Maintenance Supervision and Engineering (630)	179,481	22
Maintenance of Structures and Improvements (631)	184,581	23
Maintenance of Power Production Equipment (632)		24
Maintenance of Pumping Equipment (633)	412,745	25
Total Pumping Expenses	4,741,376	
WATER TREATMENT EXPENSES		
Operation Supervision and Engineering (640)	438,618	26
Chemicals (641)	1,332,788	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)	
WATER TREATMENT EXPENSES		
Operation Labor and Expenses (642)	2,817,673	28
Miscellaneous Expenses (643)	482,778	29
Rents (644)		30
Maintenance Supervision and Engineering (650)	60,575	31
Maintenance of Structures and Improvements (651)	931,773	32
Maintenance of Water Treatment Equipment (652)	1,528,505	33
Total Water Treatment Expenses	7,592,710	
TRANSMISSION AND DISTRIBUTION EXPENSES		
Operation Supervision and Engineering (660)	944,135	34
Storage Facilities Expenses (661)		35
Transmission and Distribution Lines Expenses (662)	1,306,342	36
Meter Expenses (663)	431,954	37
Customer Installations Expenses (664)		38
Miscellaneous Expenses (665)	1,405,412	39
Rents (666)		40
Maintenance Supervision and Engineering (670)		41
Maintenance of Structures and Improvements (671)		42
Maintenance of Distribution Reservoirs and Standpipes (672)	41,632	43
Maintenance of Transmission and Distribution Mains (673)	5,839,278	44
Maintenance of Fire Mains (674)		45
Maintenance of Services (675)	2,506,126	46
Maintenance of Meters (676)	113,013	47
Maintenance of Hydrants (677)	713,429	48
Maintenance of Miscellaneous Plant (678)	324,393	49
Total Transmission and Distribution Expenses	13,625,714	
CUSTOMER ACCOUNTS EXPENSES		
Supervision (901)	86,563	50
Meter Reading Labor (902)	177,897	51
Customer Records and Collection Expenses (903)	683,067	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)	
CUSTOMER ACCOUNTS EXPENSES		
Miscellaneous Customer Accounts Expenses (905)		54
Total Customer Accounts Expenses	947,527	
 SALES EXPENSES		
Sales Expenses (910)		55
Total Sales Expenses	0	
 ADMINISTRATIVE AND GENERAL EXPENSES		
Administrative and General Salaries (920)	2,280,358	56
Office Supplies and Expenses (921)	188,634	57
Administrative Expenses Transferred--Credit (922)		58
Outside Services Employed (923)	1,125,209	59
Property Insurance (924)	57,496	60
Injuries and Damages (925)	502,671	61
Employee Pensions and Benefits (926)	3,176,003	62
Regulatory Commission Expenses (928)	27,836	63
Duplicate Charges--Credit (929)		64
Miscellaneous General Expenses (930)	31,984	65
Rents (931)	209,977	66
Maintenance of General Plant (932)	24,175	67
Total Administrative and General Expenses	7,624,343	
 Total Operation and Maintenance Expenses	 34,531,670	

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		8,373,798	1
Less: Local and School Tax Equivalent on Meters Charged to Sewer Department		393,634	2
Net property tax equivalent		7,980,164	
Social Security		898,354	3
PSC Remainder Assessment		57,770	4
Other (specify): NONE			5
Total tax expense		<u>8,936,288</u>	

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 § 66.0811(2). Report the higher of the current year calculation or the tax equivalent reported in the 1994 PSC annual report, unless, the municipality has authorized a lower amount, then that amount is reported as the property tax equivalent.
7. If the municipality has authorized a lower amount, the authorization description and date of the authorization must be reported in the Property Tax Equivalent schedule footnotes.

Particulars (a)	Units (b)	Total (c)	County A (d)	County B (e)	County C (f)	County D (g)	
County name			Milwaukee				1
SUMMARY OF TAX RATES							2
State tax rate	mills		0.200000				3
County tax rate	mills		5.200000				4
Local tax rate	mills		10.150000				5
School tax rate	mills		9.340000				6
Voc. school tax rate	mills		2.050000				7
Other tax rate - Local	mills		0.000000				8
Other tax rate - Non-Local	mills		1.740000				9
Total tax rate	mills		28.680000				10
Less: state credit	mills		1.430000				11
Net tax rate	mills		27.250000				12
PROPERTY TAX EQUIVALENT CALCULATION							13
Local Tax Rate	mills		10.150000				14
Combined School Tax Rate	mills		11.390000				15
Other Tax Rate - Local	mills		0.000000				16
Total Local & School Tax	mills		21.540000				17
Total Tax Rate	mills		28.680000				18
Ratio of Local and School Tax to Total	dec.		0.751046				19
Total tax net of state credit	mills		27.250000				20
Net Local and School Tax Rate	mills		20.466004				21
Utility Plant, Jan. 1	\$	476,835,507	476,835,507				22
Materials & Supplies	\$	2,612,570	2,612,570				23
Subtotal	\$	479,448,077	479,448,077				24
Less: Plant Outside Limits	\$	62,367,083	62,367,083				25
Taxable Assets	\$	417,080,994	417,080,994				26
Assessment Ratio	dec.		0.981000				27
Assessed Value	\$	409,156,455	409,156,455				28
Net Local & School Rate	mills		20.466004				29
Tax Equiv. Computed for Current Year	\$	8,373,798	8,373,798				30
Tax Equivalent per 1994 PSC Report	\$	6,904,063					31
Any lower tax equivalent as authorized by municipality (see note 6)	\$						32 33
Tax equiv. for current year (see note 6)	\$	8,373,798					34

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)	
INTANGIBLE PLANT			
Organization (301)	0		1
Franchises and Consents (302)	0		2
Miscellaneous Intangible Plant (303)	0		3
Total Intangible Plant	0	0	
SOURCE OF SUPPLY PLANT			
Land and Land Rights (310)	0		4
Structures and Improvements (311)	0		5
Collecting and Impounding Reservoirs (312)	0		6
Lake, River and Other Intakes (313)	16,080,676		7
Wells and Springs (314)	0		8
Infiltration Galleries and Tunnels (315)	0		9
Supply Mains (316)	5,306,738		10
Other Water Source Plant (317)	0		11
Total Source of Supply Plant	21,387,414	0	
PUMPING PLANT			
Land and Land Rights (320)	341,030		12
Structures and Improvements (321)	7,405,091		13
Boiler Plant Equipment (322)	0		14
Other Power Production Equipment (323)	0		15
Steam Pumping Equipment (324)	0		16
Electric Pumping Equipment (325)	11,344,021		17
Diesel Pumping Equipment (326)	0		18
Hydraulic Pumping Equipment (327)	0		19
Other Pumping Equipment (328)	0		20
Total Pumping Plant	19,090,142	0	
WATER TREATMENT PLANT			
Land and Land Rights (330)	914,137		21
Structures and Improvements (331)	10,578,634		22
Water Treatment Equipment (332)	96,327,848	399,163	23
Total Water Treatment Plant	107,820,619	399,163	
TRANSMISSION AND DISTRIBUTION PLANT			
Land and Land Rights (340)	55,685		24
Structures and Improvements (341)	0		25

WATER UTILITY PLANT IN SERVICE (cont.)

Accounts (d)	Retirements During Year (e)	Adjustments Increase or (Decrease) (f)	Balance End of Year (g)	
INTANGIBLE PLANT				
Organization (301)			0	1
Franchises and Consents (302)			0	2
Miscellaneous Intangible Plant (303)			0	3
Total Intangible Plant	0	0	0	
SOURCE OF SUPPLY PLANT				
Land and Land Rights (310)			0	4
Structures and Improvements (311)			0	5
Collecting and Impounding Reservoirs (312)			0	6
Lake, River and Other Intakes (313)			16,080,676	7
Wells and Springs (314)			0	8
Infiltration Galleries and Tunnels (315)			0	9
Supply Mains (316)			5,306,738	10
Other Water Source Plant (317)			0	11
Total Source of Supply Plant	0	0	21,387,414	
PUMPING PLANT				
Land and Land Rights (320)			341,030	12
Structures and Improvements (321)			7,405,091	13
Boiler Plant Equipment (322)			0	14
Other Power Production Equipment (323)			0	15
Steam Pumping Equipment (324)			0	16
Electric Pumping Equipment (325)			11,344,021	17
Diesel Pumping Equipment (326)			0	18
Hydraulic Pumping Equipment (327)			0	19
Other Pumping Equipment (328)			0	20
Total Pumping Plant	0	0	19,090,142	
WATER TREATMENT PLANT				
Land and Land Rights (330)			914,137	21
Structures and Improvements (331)			10,578,634	22
Water Treatment Equipment (332)	1,445		96,725,566	23
Total Water Treatment Plant	1,445	0	108,218,337	
TRANSMISSION AND DISTRIBUTION PLANT				
Land and Land Rights (340)			55,685	24
Structures and Improvements (341)			0	25

WATER UTILITY PLANT IN SERVICE

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

Accounts (a)	Balance First of Year (b)	Additions During Year (c)	
TRANSMISSION AND DISTRIBUTION PLANT			
Distribution Reservoirs and Standpipes (342)	10,295,877		26
Transmission and Distribution Mains (343)	223,448,198	6,943,513	27
Fire Mains (344)	0		28
Services (345)	0		29
Meters (346)	31,372,938	467,728	30
Hydrants (348)	26,185,491	689,671	31
Other Transmission and Distribution Plant (349)	0		32
Total Transmission and Distribution Plant	291,358,189	8,100,912	
GENERAL PLANT			
Land and Land Rights (389)	274,489		33
Structures and Improvements (390)	4,446,661		34
Office Furniture and Equipment (391)	1,668,984		35
Computer Equipment (391.1)	5,217,195	82,029	36
Transportation Equipment (392)	4,239,659	415,570	37
Stores Equipment (393)	209,055		38
Tools, Shop and Garage Equipment (394)	1,602,400	13,123	39
Laboratory Equipment (395)	714,897	3,490	40
Power Operated Equipment (396)	2,036,429	106,886	41
Communication Equipment (397)	2,993,634		42
SCADA Equipment (397.1)	3,510,432	74,243	43
Miscellaneous Equipment (398)	97,928		44
Other Tangible Property (399)	0		45
Total General Plant	27,011,763	695,341	
Total utility plant in service directly assignable	466,668,127	9,195,416	
Common Utility Plant Allocated to Water Department	0		46
Total utility plant in service	466,668,127	9,195,416	

WATER UTILITY PLANT IN SERVICE (cont.)

Accounts (d)	Retirements During Year (e)	Adjustments Increase or (Decrease) (f)	Balance End of Year (g)
TRANSMISSION AND DISTRIBUTION PLANT			
Distribution Reservoirs and Standpipes (342)			10,295,877 26
Transmission and Distribution Mains (343)	432,152		229,959,559 27
Fire Mains (344)			0 28
Services (345)			0 29
Meters (346)	441,088		31,399,578 30
Hydrants (348)	332,747		26,542,415 31
Other Transmission and Distribution Plant (349)			0 32
Total Transmission and Distribution Plant	1,205,987	0	298,253,114
GENERAL PLANT			
Land and Land Rights (389)			274,489 33
Structures and Improvements (390)			4,446,661 34
Office Furniture and Equipment (391)	5,507		1,663,477 35
Computer Equipment (391.1)			5,299,224 36
Transportation Equipment (392)	157,220		4,498,009 37
Stores Equipment (393)			209,055 38
Tools, Shop and Garage Equipment (394)	42,027		1,573,496 39
Laboratory Equipment (395)	3,821		714,566 40
Power Operated Equipment (396)	55,428		2,087,887 41
Communication Equipment (397)	30,221		2,963,413 42
SCADA Equipment (397.1)			3,584,675 43
Miscellaneous Equipment (398)	7,430		90,498 44
Other Tangible Property (399)			0 45
Total General Plant	301,654	0	27,405,450
Total utility plant in service directly assignable	1,509,086	0	474,354,457
Common Utility Plant Allocated to Water Department			0 46
Total utility plant in service	1,509,086	0	474,354,457

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)	
SOURCE OF SUPPLY PLANT				
Structures and Improvements (311)	0			1
Collecting and Impounding Reservoirs (312)	0			2
Lake, River and Other Intakes (313)	3,663,863	1.70%	273,371	3
Wells and Springs (314)	0			4
Infiltration Galleries and Tunnels (315)	0			5
Supply Mains (316)	3,097,096	1.80%	95,521	6
Other Water Source Plant (317)	0			7
Total Source of Supply Plant	6,760,959		368,892	
PUMPING PLANT				
Structures and Improvements (321)	4,711,974	3.20%	236,964	8
Boiler Plant Equipment (322)	0			9
Other Power Production Equipment (323)	0			10
Steam Pumping Equipment (324)	0			11
Electric Pumping Equipment (325)	9,933,455	4.00%	56,584	12
Diesel Pumping Equipment (326)	0			13
Hydraulic Pumping Equipment (327)	0			14
Other Pumping Equipment (328)	0			15
Total Pumping Plant	14,645,429		293,548	
WATER TREATMENT PLANT				
Structures and Improvements (331)	5,124,452	3.20%	338,516	16
Water Treatment Equipment (332)	16,100,159	3.30%	3,185,381	17
Total Water Treatment Plant	21,224,611		3,523,897	
TRANSMISSION AND DISTRIBUTION PLANT				
Structures and Improvements (341)	0			18
Distribution Reservoirs and Standpipes (342)	2,587,143	1.90%	195,622	19
Transmission and Distribution Mains (343)	52,079,735	1.10%	2,493,743	20
Fire Mains (344)	0			21
Services (345)	0			22
Meters (346)	9,766,235	3.70%	2,178,043	23
Hydrants (348)	6,887,144	1.70%	448,187	24
Other Transmission and Distribution Plant (349)	0			25
Total Transmission and Distribution Plant	71,320,257		5,315,595	

ACCUMULATED PROVISION FOR DEPRECIATION - WATER (cont.)

Account (e)	Book Cost of Plant Retired (f)	Cost of Removal (g)	Salvage (h)	Adjustments Increase or (Decrease) (i)	Balance End of Year (j)	
311					0	1
312					0	2
313					3,937,234	3
314					0	4
315					0	5
316					3,192,617	6
317					0	7
	0	0	0	0	7,129,851	
321					4,948,938	8
322					0	9
323					0	10
324					0	11
325					9,990,039	12
326					0	13
327					0	14
328					0	15
	0	0	0	0	14,938,977	
331					5,462,968	16
332	1,445	1,200			19,282,895	17
	1,445	1,200	0	0	24,745,863	
341					0	18
342			183,696		2,966,461	19
343	432,152	45,046			54,096,280	20
344					0	21
345					0	22
346	441,088		51,819		11,555,009	23
348	332,747	32,733	36,308		7,006,159	24
349					0	25
	1,205,987	77,779	271,823	0	75,623,909	

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)	
GENERAL PLANT				
Structures and Improvements (390)	1,709,189	2.90%	128,953	26
Office Furniture and Equipment (391)	547,584	5.80%	96,641	27
Computer Equipment (391.1)	4,160,466	15.00%	788,732	28
Transportation Equipment (392)	2,801,497	13.30%	581,055	29
Stores Equipment (393)	175,676	5.80%	12,125	30
Tools, Shop and Garage Equipment (394)	811,945	5.80%	92,102	31
Laboratory Equipment (395)	268,049	5.80%	41,454	32
Power Operated Equipment (396)	360,444	7.50%	154,662	33
Communication Equipment (397)	675,943	10.00%	297,853	34
SCADA Equipment (397.1)	775,502	9.20%	326,374	35
Miscellaneous Equipment (398)	71,654	5.80%	5,465	36
Other Tangible Property (399)	0			37
Total General Plant	<u>12,357,949</u>		<u>2,525,416</u>	
Total accum. prov. directly assignable	126,309,205		12,027,348	
 Common Utility Plant Allocated to Water Department	 0			 38
 Total accum. prov. for depreciation	 <u><u>126,309,205</u></u>		 <u><u>12,027,348</u></u>	

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)	
390					1,838,142	26
391	5,507				638,718	27
391.1					4,949,198	28
392	157,220				3,225,332	29
393					187,801	30
394	42,027				862,020	31
395	3,821				305,682	32
396	55,428				459,678	33
397	30,221				943,575	34
397.1					1,101,876	35
398	7,430				69,689	36
399					0	37
	301,654	0	0	0	14,581,711	
	1,509,086	78,979	271,823	0	137,020,311	
					0	38
	1,509,086	78,979	271,823	0	137,020,311	

SOURCE OF SUPPLY, PUMPING AND PURCHASED WATER STATISTICS

Expanded definitions of the three types of accounted-for water reported on this schedule are included in the schedule Help and in the Reference Manual Schedule Reference Sheet.

Sources of Water Supply					
Month	Purchased Water	Surface Water	Ground Water	Total Gallons	
(a)	Gallons	Gallons	Gallons	All Methods	
	(000's)	(000's)	(000's)	(000's)	
(a)	(b)	(c)	(d)	(e)	
January		3,586,610		3,586,610	1
February		3,369,220		3,369,220	2
March		3,641,830		3,641,830	3
April		3,405,150		3,405,150	4
May		3,847,650		3,847,650	5
June		4,125,810		4,125,810	6
July		4,812,540		4,812,540	7
August		4,601,680		4,601,680	8
September		4,087,570		4,087,570	9
October		3,747,520		3,747,520	10
November		3,505,560		3,505,560	11
December		3,522,300		3,522,300	12
Total annual pumpage	0	46,253,440	0	46,253,440	
Less: Water sold				39,938,955	13
Volume pumped but not sold				6,314,485	14
Volume sold as a percent of volume pumped				86%	15
Volume used for water production, water quality and system maintenance				338,504	16
Volume related to equipment/system malfunction				0	17
Non-utility volume NOT included in water sales				268,561	18
Total volume not sold but accounted for				607,065	19
Volume pumped but unaccounted for				5,707,420	20
Percent of water lost				12%	21
If more than 15%, indicate causes and state what action has been taken to reduce water loss:					22
Maximum gallons pumped by all methods in any one day during reporting year (000 gal.)				188,750	23
Date of maximum: 7/16/2002					24
Cause of maximum:					25
Hot, dry weather					
Minimum gallons pumped by all methods in any one day during reporting year (000 gal.)				99,160	26
Date of minimum: 12/25/2002					27
Total KWH used for pumping for the year				75,350,082	28
If water is purchased: Vendor Name:					29
Point of Delivery:					30

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)
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NONE

SOURCES OF WATER SUPPLY - SURFACE WATERS

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

PUMPING & POWER EQUIPMENT

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

Particulars (a)	Unit A (b)	Unit B (c)	Unit C (d)	
Identification	PUMP 011 (3 AT STATION)	PUMP 017 (2 AT STATION)	PUMP 046 (4 AT STATION)	1
Location	TEXAS STATION	HOWARD STATION	FLORIST STATION	2
Purpose	P	P	B	3
Destination	T	D	D	4
Pump Manufacturer	FAI RBANKS - MORSE	ALLIS CHALMERS	PATTERSON	5
Year Installed	1974	1961	1994	6
Type	CENTRIFUGAL	CENTRIFUGAL	CENTRIFUGAL	7
Actual Capacity (gpm)	38,194	15,972	4,861	8
Pump Motor or Standby Engine Mfr	FAIRBANKS - MORSE	ALLIS CHALMERS	PATTERSON	9 10
Year Installed	1974	1961	1994	11
Type	ELECTRIC	ELECTRIC	ELECTRIC	12
Horsepower	2,000	350	350	13

Particulars (a)	Unit D (b)	Unit E (c)	Unit F (d)	
Identification	PUMP 001	PUMP 002	PUMP 003	14
Location	LINNWOOD TREATM. PL.	LINNWOOD TREATM. PL.	LINNWOOD TREATM. PL.	15
Purpose	P	P	P	16
Destination	T	T	T	17
Pump Manufacturer	ITT A-C PUMP	ITT A-C PUMP	ALLIS CHALMERS	18
Year Installed	2000	2000	1938	19
Type	CENTRIFUGAL	CENTRIFUGAL	CENTRIFUGAL	20
Actual Capacity (gpm)	27,778	27,778	34,722	21
Pump Motor or Standby Engine Mfr	RELIANCE ELECTRIC	RELIANCE ELECTRIC	ALLIS CHALMERS	22 23
Year Installed	2000	2000	1938	24
Type	ELECTRIC	ELECTRIC	ELECTRIC	25
Horsepower	800	800	350	26

PUMPING & POWER EQUIPMENT

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

Particulars (a)	Unit A (b)	Unit B (c)	Unit C (d)	
Identification	PUMP 004	PUMP 005	PUMP 006	1
Location	LINNWOOD TREATM. PL.	LINNWOOD TREAT. PL.	LINNWOOD TREAT. PL.	2
Purpose	P	P	P	3
Destination	T	T	T	4
Pump Manufacturer	ALLIS CHALMERS	ALLIS CHALMERS	ALLIS CHALMERS	5
Year Installed	1938	1938	1938	6
Type	CENTRIFUGAL	CENTRIFUGAL	CENTRIFUGAL	7
Actual Capacity (gpm)	34,722	34,722	34,722	8
Pump Motor or Standby Engine Mfr	ALLIS CHALMERS	ALLIS CHALMERS	ALLIS CHALMERS	9 10
Year Installed	1938	1938	1938	11
Type	ELECTRIC	ELECTRIC	ELECTRIC	12
Horsepower	350	350	350	13

Particulars (a)	Unit D (b)	Unit E (c)	Unit F (d)	
Identification	PUMP 007	PUMP 008	PUMP 009 (1 AT STATION)	14
Location	LINNWOOD TREAT. PL	LINNWOOD TREAT. PL.	TEXAS STATION	15
Purpose	P	P	P	16
Destination	T	T	T	17
Pump Manufacturer	ALLIS CHALMERS	ALLIS CHALMERS	FAIRBANKS MORSE	18
Year Installed	1938	1938	1974	19
Type	CENTRIFUGAL	CENTRIFUGAL	CENTRIFUGAL	20
Actual Capacity (gpm)	52,083	69,444	38,194	21
Pump Motor or Standby Engine Mfr	ALLIS CHALMERS	ALLIS CHALMERS	FAIRBANKS MORSE	22 23
Year Installed	1938	1938	1974	24
Type	ELECTRIC	ELECTRIC	ELECTRIC	25
Horsepower	500	600	2,000	26

PUMPING & POWER EQUIPMENT

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

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

Particulars (a)	Unit D (b)	Unit E (c)	Unit F (d)	
Identification	PUMP 014 (6 AT STATION)	PUMP 015 (7 AT STATION)	PUMP 016 (1 AT STATION)	14
Location	TEXAS STATION	TEXAS STATION	HOWARD STATION	15
Purpose	P	P	P	16
Destination	T	T	D	17
Pump Manufacturer	FAIRBANKS - MORSE	ALLIS CHALMERS	ALLIS CHALMERS	18
Year Installed	1974	1961	1961	19
Type	CENTRIFUGAL	CENTRIFUGAL	CENTRIFUGAL	20
Actual Capacity (gpm)	38,194	24,305	15,972	21
Pump Motor or Standby Engine Mfr	FAIRBANKS - MORSE	ALLIS CHALMERS	ALLIS CHALMERS	22 23
Year Installed	1974	1961	1961	24
Type	ELECTRIC	ELECTRIC	ELECTRIC	25
Horsepower	2,000	1,200	350	26

PUMPING & POWER EQUIPMENT

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

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

Particulars (a)	Unit D (b)	Unit E (c)	Unit F (d)	
Identification	PUMP 021 (6 AT STATION)	PUMP 022 (7 AT STATION)	PUMP 023 (8 AT STATION)	13
Location	HOWARD STATION	HOWARD STATION	HOWARD STATION	14
Purpose	P	P	P	15
Destination	D	D	D	16
Pump Manufacturer	ALLIS CHALMERS	ALLIS CHALMERS	ALLIS CHALMERS	17
Year Installed	1961	1961	1961	18
Type	CENTRIFUGAL	CENTRIFUGAL	CENTRIFUGAL	19
Actual Capacity (gpm)	34,722	34,722	27,778	20
Pump Motor or Standby Engine Mfr	ALLIS CHALMERS	ALLIS CHALMERS	ALLIS CHALMERS	21
Year Installed	1961	1961	1961	22
Type	ELECTRIC	ELECTRIC	ELECTRIC	23
Horsepower	2,000	2,000	2,000	24

PUMPING & POWER EQUIPMENT

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

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

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

PUMPING & POWER EQUIPMENT

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

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

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

PUMPING & POWER EQUIPMENT

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

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

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

PUMPING & POWER EQUIPMENT

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

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

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

PUMPING & POWER EQUIPMENT

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

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

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

PUMPING & POWER EQUIPMENT

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

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

Particulars (a)	Unit D (b)	Unit E (c)	Unit F (d)	
Identification	PUMP 058 (2 AT STATION)	PUMP 059 (3 AT STATION)	PUMP 060 (4 AT STATION)	14
Location	LINCOLN AVE STA.	LINCOLN AVE STA.	LINCOLN AVE STA.	15
Purpose	B	B	B	16
Destination	D	D	D	17
Pump Manufacturer	WHEELER	WHEELER	WHEELER	18
Year Installed	1956	1956	1956	19
Type	CENTRIFUGAL	CENTRIFUGAL	CENTRIFUGAL	20
Actual Capacity (gpm)	6,944	6,944	2,083	21
Pump Motor or Standby Engine Mfr	WHEELER	WHEELER	WHEELER	22 23
Year Installed	1956	1956	1956	24
Type	ELECTRIC	ELECTRIC	ELECTRIC	25
Horsepower	600	600	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	PUMP 061 (1 AT STATION)	PUMP 062 (2 AT STATION)	PUMP 063 (3 AT STATION)	1
Location	CAPITOL IN LINE STA.	CAPITOL IN LINE STA.	CAPITOL IN LINE STA.	2
Purpose	B	B	B	3
Destination	D	D	D	4
Pump Manufacturer	ALLIS CHALMERS	ALLIS CHALMERS	ALLIS CHALMERS	5
Year Installed	1959	1959	1959	6
Type	CENTRIFUGAL	CENTRIFUGAL	CENTRIFUGAL	7
Actual Capacity (gpm)	694	694	972	8
Pump Motor or Standby Engine Mfr	ALLIS CHALMERS	ALLIS CHALMERS	ALLIS CHALMERS	9
Year Installed	1959	1959	1959	10
Type	ELECTRIC	ELECTRIC	ELECTRIC	11
Horsepower	30	30	30	12

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

PUMPING & POWER EQUIPMENT

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

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

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

PUMPING & POWER EQUIPMENT

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

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

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

PUMPING & POWER EQUIPMENT

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

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

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

RESERVOIRS, STANDPIPES & WATER TREATMENT

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

Particulars (a)	Unit A (b)	Unit B (c)	Unit C (d)	
Identification number or name	FLORIST TANK ONE	FLORIST TANK TWO	GREENFIELD	1
RESERVOIRS, STANDPIPES OR ELEVATED TANKS				2
				3
Type: R (reservoir), S (standpipe) or ET (elevated tank)	S	S	ET	4
Year constructed	1965	1995	1967	5
Year constructed	1965	1995	1967	6
Primary material (earthen, steel, concrete, other)	CONCRETE	CONCRETE	STEEL	7
Primary material (earthen, steel, concrete, other)	CONCRETE	CONCRETE	STEEL	8
Elevation difference in feet (See Headnote 3.)	36	36	187	9
Elevation difference in feet (See Headnote 3.)	36	36	187	10
Total capacity in gallons (actual)	12,000,000	12,000,000	2,000,000	11
WATER TREATMENT PLANT				12
Disinfection, type of equipment (gas, liquid, powder, other)				13
Disinfection, type of equipment (gas, liquid, powder, other)				14
Points of application (wellhouse, central facilities, booster station, other)				15
Points of application (wellhouse, central facilities, booster station, other)				16
Points of application (wellhouse, central facilities, booster station, other)				17
Filters, type (gravity, pressure, other, none)				18
Filters, type (gravity, pressure, other, none)				19
Rated capacity of filter plant (m.g.d.) (note: 1,200,000 gal/day = 1.2 m.g.d.)				20
Rated capacity of filter plant (m.g.d.) (note: 1,200,000 gal/day = 1.2 m.g.d.)				21
Rated capacity of filter plant (m.g.d.) (note: 1,200,000 gal/day = 1.2 m.g.d.)				22
Is a corrosion control chemical used (yes, no)?				23
Is a corrosion control chemical used (yes, no)?				24
Is water fluoridated (yes, no)?				25
Is water fluoridated (yes, no)?				25

RESERVOIRS, STANDPIPES & WATER TREATMENT

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

Particulars (a)	Unit A (b)	Unit B (c)	Unit C (d)	
Identification number or name	HAWLEY	HOWARD PLANT	KILBOURN	1
RESERVOIRS, STANDPIPES OR ELEVATED TANKS				2
Type: R (reservoir), S (standpipe) or ET (elevated tank)	ET		S	3
Year constructed	1989		1873	4
Primary material (earthen, steel, concrete, other)	STEEL		OTHER	5
Elevation difference in feet (See Headnote 3.)	289		21	6
Total capacity in gallons (actual)	2,000,000		20,000,000	7
WATER TREATMENT PLANT				8
Disinfection, type of equipment (gas, liquid, powder, other)		GAS		9
Points of application (wellhouse, central facilities, booster station, other)		CENTRAL FACILITIES		10
Filters, type (gravity, pressure, other, none)		GRAVITY		11
Rated capacity of filter plant (m.g.d.) (note: 1,200,000 gal/day = 1.2 m.g.d.)		105.0000		12
Is a corrosion control chemical used (yes, no)?		Y		13
Is water fluoridated (yes, no)?		Y		14

RESERVOIRS, STANDPIPES & WATER TREATMENT

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

Particulars (a)	Unit A (b)	Unit B (c)	Unit C (d)	
Identification number or name	LAKE	LINCOLN TANK ONE	LINCOLN TANK TWO	1
RESERVOIRS, STANDPIPES OR ELEVATED TANKS				2
Type: R (reservoir), S (standpipe) or ET (elevated tank)	ET	S	S	3
Year constructed	1939	1956	1957	4
Primary material (earthen, steel, concrete, other)	STEEL	STEEL	STEEL	5
Elevation difference in feet (See Headnote 3.)	148	42	42	6
Total capacity in gallons (actual)	1,000,000	6,000,000	6,000,000	7
WATER TREATMENT PLANT				8
Disinfection, type of equipment (gas, liquid, powder, other)				9
Points of application (wellhouse, central facilities, booster station, other)				10
Filters, type (gravity, pressure, other, none)				11
Rated capacity of filter plant (m.g.d.) (note: 1,200,000 gal/day = 1.2 m.g.d.)				12
Is a corrosion control chemical used (yes, no)?				13
Is water fluoridated (yes, no)?				14
				15
				16
				17
				18
				19
				20
				21
				22
				23
				24
				25

RESERVOIRS, STANDPIPES & WATER TREATMENT

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

Particulars (a)	Unit A (b)	Unit B (c)	Unit C (d)	
Identification number or name	LINWOOD PLANT	MENOMONEE TANK ONE	MENOMONEE TANK TWO	1
RESERVOIRS, STANDPIPES OR ELEVATED TANKS				2
Type: R (reservoir), S (standpipe) or ET (elevated tank)		S	S	3
Year constructed		1935	1940	4
Primary material (earthen, steel, concrete, other)		STEEL	STEEL	5
Elevation difference in feet (See Headnote 3.)		48	48	6
Total capacity in gallons (actual)		6,000,000	6,000,000	7
WATER TREATMENT PLANT				8
Disinfection, type of equipment (gas, liquid, powder, other)	GAS			9
Points of application (wellhouse, central facilities, booster station, other)	CENTRAL FACILITIES			10
Filters, type (gravity, pressure, other, none)	GRAVITY			11
Rated capacity of filter plant (m.g.d.) (note: 1,200,000 gal/day = 1.2 m.g.d.)	275.0000			12
Is a corrosion control chemical used (yes, no)?	Y			13
Is water fluoridated (yes, no)?	Y			14

WATER MAINS

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

								Number of Feet	
Pipe Material (a)	Main Function (b)	Diameter in Inches (c)	First of Year (d)	Added During Year (e)	Retired During Year (f)	Adjustments Increase or (Decrease) (g)	End of Year (h)		
M	D	2.000	3,597	109	0	0	3,706	1	
M	D	4.000	45,042	0	0	0	45,042	2	
P	D	4.000	951	0	0	0	951	3	
M	D	6.000	2,868,685	2,174	33,169	0	2,837,690	4	
P	D	6.000	286	0	0	0	286	5	
A	D	8.000	8,805	0	0	0	8,805	6	
M	D	8.000	3,275,228	53,471	21,024	0	3,307,675	7	
P	D	8.000	2,908	0	0	0	2,908	8	
M	D	12.000	1,310,728	0	504	0	1,310,224	9	
M	T	16.000	951,751	2,930	679	0	954,002	10	
P	T	16.000	5	0	0	0	5	11	
M	T	20.000	61,118	0	0	0	61,118	12	
P	T	20.000	3,661	0	0	0	3,661	13	
M	T	24.000	24,326	0	0	0	24,326	14	
P	T	24.000	18,027	0	0	0	18,027	15	
M	T	30.000	77,502	0	0	0	77,502	16	
P	T	30.000	11,798	0	0	0	11,798	17	
M	T	36.000	101,809	0	0	0	101,809	18	
P	T	36.000	29,010	0	0	0	29,010	19	
M	T	42.000	14,092	0	0	0	14,092	20	
P	T	42.000	81,481	0	0	0	81,481	21	
M	T	48.000	23,379	0	0	0	23,379	22	
P	T	48.000	26,302	0	0	0	26,302	23	
M	T	54.000	67,551	0	0	0	67,551	24	
P	T	54.000	69,771	0	0	0	69,771	25	
P	T	60.000	20,509	0	0	0	20,509	26	
Total Within Municipality			9,098,322	58,684	55,376	0	9,101,630		
M	D	4.000	6,086	0	0	0	6,086	27	
M	D	6.000	92,810	72	422	0	92,460	28	
M	D	8.000	670,876	1,175	1,190	0	670,861	29	
M	D	12.000	196,528	0	0	0	196,528	30	
M	T	16.000	170,184	777	777	0	170,184	31	

WATER MAINS

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

								Number of Feet	
Pipe Material (a)	Main Function (b)	Diameter in Inches (c)	First of Year (d)	Added During Year (e)	Retired During Year (f)	Adjustments Increase or (Decrease) (g)	End of Year (h)		
M	T	20.000	2,932	0	0	0	2,932	32	
P	T	20.000	6,544	0	0	0	6,544	33	
M	T	24.000	15,307	0	0	0	15,307	34	
P	T	24.000	8,241	0	0	0	8,241	35	
P	T	30.000	3,408	0	0	0	3,408	36	
M	T	36.000	211	0	0	0	211	37	
P	T	36.000	4,423	0	0	0	4,423	38	
P	T	42.000	1,959	0	0	0	1,959	39	
P	T	48.000	10,802	0	0	0	10,802	40	
P	T	54.000	25,265	0	0	0	25,265	41	
Total Outside of Municipality			1,215,576	2,024	2,389	0	1,215,211		
Total Utility			10,313,898	60,708	57,765	0	10,316,841		

WATER SERVICES

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

Pipe Material (a)	Diameter in Inches (b)	First of Year (c)	Added During Year (d)	Removed or Permanently Disconnected During Year (e)	Adjustments Increase or (Decrease) (f)	End of Year (g)	Utility Owned Services Not In Use at End of Year (h)
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NONE

METERS

1. Include in Columns (b), (c), (d), (e) and (f) meters in stock as well as those in service.
2. Report in Column (c) all meters purchased during the year and in Column (d) all meters junked, sold or otherwise permanently retired during the year.
3. Use Column (e) to show correction to previously reported meter count because of inventory or property record corrections.
4. Totals by size in Column (f) should equal same size totals in Column (a).
5. Explain all reported adjustments as a schedule footnote.

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	108,240	0	992	14,896	122,144	4,267	1
0.750	41,434	0	1,080	2,210	42,564	2,047	2
1.000	4,884	300	175	144	5,153	669	3
1.250	11	0	0	0	11	0	4
1.500	2,977	645	960	846	3,508	1,699	5
2.000	1,621	262	532	533	1,884	822	6
3.000	599	30	0	24	653	214	7
4.000	408	15	0	17	440	137	8
6.000	226	8	0	15	249	174	9
8.000	67	7	0	(1)	73	33	10
10.000	22	5	0	(2)	25	12	11
12.000	6	0	0	2	8	4	12
14.000	0	0	0	0	0	0	13

METERS

1. Include in Columns (b), (c), (d), (e) and (f) meters in stock as well as those in service.
2. Report in Column (c) all meters purchased during the year and in Column (d) all meters junked, sold or otherwise permanently retired during the year.
3. Use Column (e) to show correction to previously reported meter count because of inventory or property record corrections.
4. Totals by size in Column (f) should equal same size totals in Column (o).
5. Explain all reported adjustments as a schedule footnote.

Number of Utility-Owned Meters

Size of Meter (a)	First of Year (b)	Added During Year (c)	Retired During Year (d)	Adjustments Increase or (Decrease) (e)	End of Year (f)	Tested During Year (g)	
16.000	0	0	0	0	0	0	14
Total:	160,495	1,272	3,739	18,684	176,712	10,078	

Classification of All Meters at End of Year by Customers

Size of Meter (h)	Residential (i)	Commercial (j)	Industrial (k)	Public Authority (l)	Wholesale, Inter-Department or Utility Use (m)	In Stock and Deduct Meters (n)	Total (o)	
0.625	103,758	4,471	302	33	0	13,580	122,144	1
0.750	38,017	3,128	317	79	0	1,023	42,564	2
1.000	1,200	3,151	227	327	0	248	5,153	3
1.250	1	8	0	2	0	0	11	4
1.500	129	2,480	255	120	0	524	3,508	5
2.000	20	1,153	285	177	0	249	1,884	6
3.000	0	343	106	155	0	49	653	7
4.000	0	231	70	97	0	42	440	8
6.000	0	110	58	59	0	22	249	9
8.000	0	16	16	35	0	6	73	10
10.000	0	2	8	14	0	1	25	11
12.000	0	0	0	6	0	2	8	12
14.000	0	0	0	0	0	0	0	13
16.000	0	0	0	0	0	0	0	14
Total:	143,125	15,093	1,644	1,104	0	15,746	176,712	

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)	
Fire Hydrants						
Outside of Municipality	2,669	11	11	138	2,807	1
Within Municipality	16,954	274	259	(46)	16,923	2
Total Fire Hydrants	19,623	285	270	92	19,730	
Flushing Hydrants						
	0				0	3
Total Flushing Hydrants	0	0	0	0	0	

NR811.08(5) recommends that a schedule shall be adopted and followed for operating each system valve and hydrant at least once each two years. Please provide the number operated during the year

Number of hydrants operated during year: 10,534
 Number of distribution system valves end of year: 48,167
 Number of distribution valves operated during year: 2,806

WATER OPERATING SECTION FOOTNOTES

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

PSC ACCOUNT 474 - OTHER OPERATING REVENUES

Since 1999, the Unbilled Account Receivable adjustment has been recorded in this PSC Account. However, this amount has been based upon various estimates. This year, through a special query in our billing system, we were able to get almost all of the actual numbers. This actual versus estimated revenue adjustment of \$3,400,044 gives us a more precise Accrued Utility Revenue number (PSC Account 173).

WATER OPERATING SECTION FOOTNOTES

Water Operation & Maintenance Expenses (Page W-05)

COMPARISION OF 2002 AND 2001 DIFFERENCES (15%/\$10,000) -

OPERATION EXPENSES -

Account 626, Pumping Miscellaneous Expenses, decreased by \$26,197 or 58%.
Reason: Heating costs were lower due to the mild winter.

Account 640, Treatment Supervision, increased by 83,480 or 24%.
Reason: Staff managers were charging more time because of efficiency investigations.

Account 641, Treatment Chemicals, increased by \$179,313 or 16%.
Reason: The combination of more alum used and the change from hydrogen peroxide to the more expensive captor were the cause.

Account 643, Treatment Miscellaneous, decreased by \$104,665 or 18%.
Reason: The combination of heating costs and the reduction of temporary labor services caused the decrease.

Account 662, T & D Lines Expense, increased by \$265,986 or 26%.
Reason: This was due to the filling of staff vacancies and higher hot line charges.

Account 663, T & D Meter Expense, decreased by \$99,155 or 19%.
Reason: Meter reader positions are still being reduced due to AMR.

Account 901, Customer Accounts, increased by \$19,910 or 30%.
Reason: This was caused by the adjustment of labor charges from PSC 902.

Account 903, Customer Accounts, increased by \$137,354 or 25%.
Reason: The combination of higher postage costs and system upgrades caused this increase.

Account 921, A & G Office Expenses, increased by \$49,796 or 36%.
Reason: This was due to the hiring of temporary labor services and the use of more engineering supplies.

Account 925, A & G Injuries and Damages, increased by \$121,905 or 32%.
Reason: There were more Workers' compensation claims filed this year compared to last year.

Account 928, A & G Regulatory Expenses, decreased by \$92,662 or 77%.
Reason: The PSC service fees for rate case 3720-WR-104 (in 2001) account for this decrease in 2002.

MAINTENANCE EXPENSES -

PSC 630, Pumping Supervision, increased by \$32,607 or 22%.
Reason: Staff managers were charging more time due to efficiency investigations.

WATER OPERATING SECTION FOOTNOTES

PSC 631, Pumping Structures and Improvements, decreased \$201,042 or 52%.
Reason: The combination of staff time (booster stations) shifted to PSC 630 and the use more repair supplies caused this decrease.

PSC 650, Treatment Supervision, decreased by \$46,255 or 43%.
Reason: Staff managers shifted their time to PSC 640 (Treatment Supervision - Operation).

PSC 678, T & D Miscellaneous Plant, increased by \$149,003 or 85%.
Reason: This was due to the filling of staff vacancies and more equipment repair parts.

WATER OPERATING SECTION FOOTNOTES

Water Utility Plant in Service (Page W-08)

MINIMUM CAPITALIZATION LIMIT -

For accounting puposes, the Milwaukee Water Works is authorized a \$2,000 minimum capitalization limit for general plant and other minor units of property, effective January 1, 2002. Note letter dated December 21, 2001 from the PSC.

PLANT IN SERVICE - OVER \$100,000

Account 332 - Treatment Equipment
Flocculator Upgrade
Add: \$399,162

Account 343 - Mains
Additional and replacement water mains
Add \$6,943,515 and retire \$432,153

Account 346.1 - Meters
Additional and replacement water meters
Add \$402,062 and retire \$441,089

Account 348 - Hydrants
Additional and replacement fire hydrants
Add \$689,671 and retire \$332,747

Account 392 - Transportation Equipment
Add: Various Dump Trucks, Vans, and Pickup Trucks \$415,570
Retire: Various Dumps and Trucks \$157,220

Account 396 - Power Equipment
Add: Backhoe \$106,886

BREAKDOWN OF PSC ACCOUNT 346 - METERS

Account 346.1 - Meters
01/01/02 Balance \$9,302,462
Add 402,063
Retire 441,088
12/31/02 Balance 9,263,437

Account 346.2 - Meters (Communication Equipment-AMR)
01/01/02 Balance \$22,070,476
Add 65,665
12/31/02 Balance 22,136,141

WATER OPERATING SECTION FOOTNOTES

WATER OPERATING SECTION FOOTNOTES

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

REVISED DEPRECIATION RATES -

As part of the water rate case (docket 3720-WR-104), the depreciation rates were also revised as of January 1, 2002. These updated depreciation rates were part of the cost of service study and rate design. Note letter dated October 16, 2001 from the PSC.

PUMPING EQUIPMENT -

Account 325 (Pumping Equipment) in service prior to 2000 became fully depreciated as an asset group during 1999. No further depreciation will be taken on this equipment. Additions during 1999 and thereafter are depreciated as a separate group within Account 325.

BREAKDOWN OF PSC 346 - METERS

Account 346.1 - Meters

01/01/02 Balance	\$3,008,466
Accrual	343,468
Retired	441,088
Salvage	51,819
12/31/02	\$2,962,665

Account 346.2 - Meters (Communication Equipment-AMR)

01/01/02 Balance	\$6,757,769
Accrual	1,834,575
12/31/02 Balance	\$8,592,344

MENOMONEE VALLEY -

In 1999, we retired and removed one of the three water tanks that was located at the Menomonee Valley Pumping Station. The tank was moved from its foundation due to heavy rains. Because of the damage, we applied for a federal grant to FEMA (Federal Emergency Management Assistance) for reimbursement due to the flooding. In 2002, we received reimbursement from FEMA for \$183,696 and a credit to salvage was recorded.

WATER OPERATING SECTION FOOTNOTES

Water Mains (Page W-17)

FINANCING OF WATER MAIN ADDITIONS -

A large portion of main additions in column (e) were replacements of existing mains - also note retirements in column (f). These are financed from earnings. Additions financed through other sources (CIAC) were as follows:

Financing by land developers totaled \$344,218. Such additions are governed by City of Milwaukee Ordinance 146, File 60-368-b, approved June 30, 1962, and ordinance 679, File 63-225-a, approved March 5, 1964.

Assessments in the City of Milwaukee were \$11,956. The basis of assessment is one-half the cost of an 8" diameter water main, applied against the front footage of each property ownership on each side of the street where a water main is laid.

Water Services (Page W-18)

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

Meters (Page W-19)

The adjustment of meters is due to the "meters in stock" numbers. The 2001 annual report (page W-19) did not include the meters in stock as well as those in service.

The residential class is reporting 20 meters at the 2" size. This is because of the large mansions that were built along Lake Michigan in the 1930's and 1940's.

WATER OPERATING SECTION FOOTNOTES

Hydrants and Distribution System Valves (Page W-20)

Fire Hydrant Adjustments - The combination of a completed Hydrant ID Program (bar coding/tagging) project and a Geographic Information System report can now give us an accurate count of all the fire hydrants that we own. Each hydrant is now accounted for on a data base that includes various maintenance and installation information. We can also determine the correct number of hydrants that are located inside and outside the City of Milwaukee (as shown as an adjustment this year).

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