

The Commonwealth of Massachusetts

2015

RETURN

OF THE

Housatonic Water Works

WATER COMPANY

TO THE

DEPARTMENT OF PUBLIC UTILITIES

OF MASSACHUSETTS

For the Year Ended December 31, 2015

Name of Officer to whom correspondence
should be addressed regarding this report, **James J. Mercer**

Official title **Treasurer**

; Office address, **80 Maple Avenue - Suite 1**
Great Barrington MA *zip code* **01230**

**GENERAL INFORMATION
 PRINCIPALS AND SALARIED OFFICERS***

Titles	Names	Addresses	Annual Salaries
President/Clerk	Frederick J Mercer, Jr.	314 North Plain Rd Housatonic, MA	92,813
Treasurer	James J Mercer	143 Castle Street Great Barrington, MA	92,813

DIRECTORS*

Names	Addresses	Fees Paid During Year
Frederick J Mercer, Jr	314 North Plain Rd Housatonic, MA	0
James J Mercer	143 Castle Street Great Barrington, MA	0

By General Laws, Chapter 164, Section 83, the Return must contain a "List of names of all their salaried officers and the amounts of the salary paid to each," and by Section 77, the department is required to include in its annual report" the names and addresses of the principal officers and of the directors."

Comparative General Balance Sheet.

Beginning Balance	Assets	Ending Balance	Net Change During Year
	Investments		
2,078,754	101 - 113 Plant Investment (p 202)	2,083,195	4,441
198,471	114 - 119 General Equipment (p 202)	198,471	-
3,030	201 Unfinished Construction (p 202)	-	(3,030)
	202 Miscellaneous Physical Property (p 203)		
74,277	203 Other Investments (p 203)	70,807	(3,470)
2,354,532	Total Investments	2,352,473	(2,059)
	Current Assets		
101,962	204 Cash	53,353	(48,609)
	205 Special Deposits		
379,660	206 Notes Receivable	483,479	103,819
86,186	207 Accounts Receivable	100,208	14,022
	208 Interest and Dividends Receivable		
22,272	209 Materials and Supplies	22,710	438
4,988	210 Other Current Assets	4,988	-
595,068	Total Current Assets	664,738	69,670
	Reserve Funds		
	211 Sinking Funds		
	212 Insurance and Other Funds		
-	Total Reserve Funds	-	-
	Prepaid Accounts		
2,453	213 Prepaid Insurance	3,268	815
	214 Prepaid Interest		
5,998	215 Other Prepayments	2,032	(3,966)
8,451	Total Prepaid Accounts	5,300	(3,151)
	Unadjusted Debits		
4,863	216 Unamortized Debt Discount Exp (p 203)	4,169	(694)
	217 Property Abandoned		
35,592	218 Other Unadjusted Debits (p 203)	88,435	52,843
40,455	Total Unadjusted Debits	92,604	52,149
2,998,506	Grand Total	3,115,115	116,609

Annual Report of Housatonic Water Works Company

Year ended December 31, 2015

Comparative General Balance Sheet.

Beginning Balance	Liabilities	Ending Balance	Net Change During Year
	Capital Stock		
40,000	301 Common Stock (p 204)	40,000	-
	302 Preferred Stock (p 204)		
	303 Employees' Stock (p 204)		
40,000	Total Capital Stock	40,000	-
	304 Premium on Capital Stock		
	Bonds, Coupon and Long Term Notes		
	305 Bonds (p 204)		
632,613	306 Coupon and Long Term Notes (p 204)	562,405	(70,208)
632,613	Total Bonds, Coupons and Long Term Notes	562,405	(70,208)
	Current Liabilities		
	307 Notes Payable (p 205)		
67,912	308 Accounts Payable	106,763	38,851
	309 Customers' Deposits		
	310 Matured Interest Unpaid		
	311 Dividends Declared		
	312 Other Current Liabilities		
67,912	Total Current Liabilities	106,763	38,851
	Accrued Liabilities		
13,669	313 Tax Liability	23,989	10,320
4,880	314 Interest Accrued	4,339	(541)
894,188	315 Other Accrued Liabilities	1,055,747	161,559
912,737	Total Accrued Liabilities	1,084,075	171,338
	Unadjusted Credits		
	316 Premium on Bonds (p 205)		-
220,181	317 Other Unadjusted Credits (p 205)	225,015	4,834
220,181	Total Unadjusted Debits	225,015	4,834
	Reserves		
	318 Insurance and Casualty Reserves		
1,115,191	319 Depreciation Reserve (p 206)	1,158,200	43,009
	320 Other Reserves		
1,115,191	Total Reserves	1,158,200	43,009
	Appropriated Surplus		
	321 Sinking Fund Reserves		
97,630	323 Contributions for Extensions	97,630	-
	324 Surplus Invested in Plant		
97,630	Total Appropriated Surplus	97,630	-
(87,758)	400 Profit and Loss Balance (p 301)	(158,807)	(71,049)
9,872	Total Corporate Surplus	(61,177)	(71,049)
2,998,506	Grand Total	3,115,281	116,775

Plant Investment Accounts

Year ended December 31, 2015

Name of Account	Beginning Balance	Additions	Retirements	Adjustments	Ending Balance
Intangible Property					
Organization					
Misc Intangible Invest					
Total Intangible Property	-	-	-	-	-
Tangible Property					
Land	3,757				3,757
Structures	1,089,694				1,089,694
Pumping Plant Equipment	67,184	4,440			71,624
Misc Pumping Plant Equip					-
Purification System	90,271				90,271
Trans'n and Dist'n Mains	605,030				605,030
Services	34,200				34,200
Consumers' Meters	98,230				98,230
Consumers' Meter Installation	49,157				49,157
Hydrants	39,232				39,232
Fire Cist'ns, Basins, Fount'ns					-
Water Rights	2,000				2,000
Miscellaneous Expenditures					
Total Plant Investment	2,078,755	4,440	-	-	2,083,195
General Equipment					
Office Equipment	42,316				42,316
Shop Equipment					-
Stores Equipment					-
Transportation Equipment	70,038				70,038
Laboratory Equipment					-
Miscellaneous Equipment	86,117				86,117
Total General Equip	198,471	-	-	-	198,471
Unfinished Construction	3,030			(3,030)	-
Total Cost of All Property	2,277,226	4,440	-	(3,030)	2,281,666
Assessed Value of Real Estate					440,000
Assessed Value of Other Property					750,000
Total Assessed Value					1,190,000

Plant Additions, Retirements and Adjustments

	<u>Additions</u>	<u>Retirements</u>	<u>Adjustments</u>
<u>Pumping Plant Equipment</u>			
Master Meter	4,440		
 <u>Unfinished Construction</u>			
Engineering Fees			(3,330)
	<u>-</u>	<u>-</u>	<u>(3,330)</u>

MISCELLANEOUS PHYSICAL PROPERTY.

Give particulars of all investments of the respondent in physical property not devoted to utility operation.

Line No.	DESCRIPTION AND LOCATION OF MISCELLANEOUS PHYSICAL PROPERTY HELD AT END OF YEAR. (a)	Book Value at End of Year. (b)	Revenue for the Year. (c)	Expense for the Year. (d)	Not Revenue for the Year. (e)
1	\$	\$	\$	\$
2
3
4
5	TOTALS,	.....	.....	.....	.....

OTHER INVESTMENTS.

Give particulars of investments in stocks, bonds, etc., held by the respondent at end of year.

	DESCRIPTION OF SECURITY HELD BY RESPONDENT. (a)	Amount. (b)
6	CoBank Participation Certificate	70807
7	.....	.....
8	.....	.....
9	TOTAL,	70807

UNAMORTIZED DEBT DISCOUNT AND EXPENSE.

Give an analysis of the respondent's accodiscount and (or) expense on bonds, coupon or short term notes. If the account represents only the expense incurred in connection with the issue, the word "Discount" should be erased. Entries in Col. (d) should be consistent with the returns made on page J01, Schedules of Income and Profit and Loss.

	NAME OF SECURITY (a)	Unextinguished Discount at Beginning of Year. (b)	Discount on Bonds etc., Issued During Year. (c)	Discount Written off During Year. (d)	Unextinguished Discount at Close of Year. (e)
10	Mortgage Costs	\$ 4863	\$	\$ 694	\$ 6169
11	.....	.....	.....	.....	.....
12	.....	.....	.....	.....	.....
13	.....	.....	.....	.....	.....
14	.....	.....	.....	.....	.....
15	TOTALS,	.....	.....	.....	.....

OTHER UNADJUSTED DEBITS.

Give an analysis of the above-entitled account as of close of year, showing in detail each item or subaccount amounting to \$500 or more. Items less than \$500 may be combined in a single entry "Minor Items in number, each less than \$500," giving the number of items thus combined.

	DESCRIPTION AND CHARACTER OF UNADJUSTED DEBITS (a)	Balance at Beginning of Year. (b)	Amount Added During Year. (c)	Amount Written off During Year. (d)	Balance at Close of Year. (e)
16	Rate Case Expense	\$ 2300	\$ 50890	\$	\$ 53190
17	Regulatory Assets Amort CIAC	33292	1953	.....	35245
18	.....	.....	.....	.....	.....
19	.....	.....	.....	.....	.....
20	.....	.....	.....	.....	.....
21	TOTALS,	35592	52843	.....	88435

CAPITAL STOCK.						
Give particulars of the various issues of capital stock of the respondent, as called for in the following schedule. In stating the amount of Capital Stock authorized in Col. (d) show only the amount authorized by the regulatory body.						
Line No.	DESCRIPTION. (a)	Number of Shares Authorized. (b)	Par Value of One Share. (c)	Amount of Capital Stock Authorized. (d)	Amount Actually Outstanding at End of Year. (e)	Total Premium at End of Year. (f)
1	Capital Stock: Common,	400	\$ 100	\$ 40,000	\$ 40,000	\$
2	Preferred,					
3	Employees,					
4	.....				
5	TOTALS.			40,000	40,000	none

BONDS, COUPON AND LONG TERM NOTES.									
Give particulars of various issues of bonds, coupon and long term notes as called for in the following schedule, giving the names of any underlying issues that may have been assumed by the respondent. The total of Col. (h) should be consistent with return made on page 301, Income Schedule (line 20).									
Line No.	NAME AND CHARACTER OF OBLIGATION. (a)	Date of Issue. (b)	Date of Maturity. (c)	Par Value Authorized (d)	Par Value Actually Outstanding at End of Year. (e)	INTEREST PROVISIONS		Interest Accrued During Year, Charged to Income. (h)	Interest Paid During Year. (i)
						Rate Per Cent. (f)	Dates Due. (g)		
6	Mortgage Bonds:			\$	\$			\$	\$
7	.....							
8	.....							
9	.....							
10	Total Bonds,								
11	Coupon and Long Term Notes:								
12	CoBank Infrastructure	1996	2021	1,340,000	557,925			55,859	56,400
13	CIT Financing LLC	2014	2019	5,828	4,481			378	378
14	.....							
15	.....							
16	.....							
17	Total Coupon & Long Term Notes			1,345,828	562,406			56,327	56,778
18	GRAND TOTAL,							56,327	56,778

SUNDRY CURRENT LIABILITIES.

NOTES PAYABLE.						
Line No.	Name of Creditor. (a)	Date of Issue. (b)	Date of Maturity. (c)	How Secured. (d)	Rate of Interest. (e)	Amount. (f)
1						
2						
3						
4						
5						
6						
7						
8						
TOTAL						

PREMIUM ON BONDS.

Give an analysis of the respondent's accounts covering premium on bonds or other evidences of indebtedness. Entries in Col. (d) should be consistent with the returns made on page 301, Schedules of Income and Profit and Loss.

	NAME OF SECURITY. (a)	Unextinguished Premium at Beginning of Year. (b)	Premium on Bonds Issued During Year (c)	Premium Written Off During Year. (d)	Unextinguished Premium at End of Year. (e)
9	None	\$	\$	\$	\$
10					
11					
12	TOTALS,				

OTHER UNADJUSTED CREDITS.

Give the names in Col. (a) and indicate the character, in Col. (b), of the several subaccounts which appear as "Other Unadjusted Credits." For items less than \$1,000, a single entry may be made under the caption "Minor accounts in number, each less than \$1,000," stating the number.

	NAME OF SUBACCOUNT. (a)	Character of Subaccount. (b)	Amount. (c)
13	Deferred Corporate Taxes		\$ 183,641
14	Unearned income		6,129
15	Amortized CIAC		35,245
16			
17			
18	TOTAL,		225,015

DEPRECIATION RESERVE.

Show Below the amount credited during the year to Depreciation Reserve, and the amount charged to Depreciation Reserve on account of property retired. Also the balance in the account at the close of the year.

a.	Amount b.
Balance at beginning of year	\$ 1,115,191
Credits to Depreciation Reserve during year:	
Acct 610-10 Depreciation	42,843
Other accounts (Specify)	
Total Credits During Year	42,843
Net charges for Plant Retired:	
Book Cost of Plant Retired	-
Cost of Removal	-
Salvage (Credit) - unrecovered book cost	-
Total charges during year	-
Balance December 31,	1,158,034

BASES OF DEPRECIATION CHARGES

Give in detail the rule and rates by which the respondent determined the amount charged to operating expenses and other accounts, and credited to Depreciation Reserve. Report also the depreciation taken for the year for federal income tax purposes.

Plant and equipment depreciated at rate of 2%.

Office and shop equipment depreciated at rate of 5 - 20%.

Meters depreciated at rate of 5%.

Depreciation taken for federal income tax purposes = \$67,588

Amortization of Contributions at 2%	1,953
Depreciation included in expense	42,843

Total of Depreciation and Amortization of Plant in Service	<u>44,796</u>
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Income Statement For The Year

Account Number	Item	Amount	Net Change
	Operating Income		
500	Operating Revenues (p 302)	543,237	(3,220)
600	Operating Expenses (p 302-303)	506,508	20,673
	Net Operating Revenues	36,729	(23,893)
550	Uncollectible Operating Revenues	-	-
551	Taxes (p 303a)	58,913	(1,195)
	Net Operating Income	(22,184)	(22,698)
	Non-Operating Income		
560	Mdse. And Jobbing Revenue		
561	Rent from Appliances		
562	Miscellaneous Rent Income		
563	Interest and Dividend Income	1,589	718
564	Inc. from Sink. And Other Res. Funds		
565	Amortization of Premium on Bonds		
566	Miscellaneous Non-operating Income	6,613	(610)
	Total Non-operating Income	8,202	108
	Total Gross Income	(13,982)	(22,590)
	Deductions From Gross Income		
575	Miscellaneous Rents		
576	Interest on Bonds and Coupon Notes	56,372	(9,745)
577	Miscellaneous Interest Deductions	-	-
578	Amortization of Discount (p 203)	695	-
579	Miscellaneous Deductions from Income	-	-
	Total Deductions from Gross Income	57,067	(9,745)
	Income Balance Transferred to Profit and Loss	(71,049)	(12,845)

Profit and Loss Statement

Account Number	Item	Debits	Credits
	Credits		
401	Credit Balance at Beg of Fiscal Period (p 201)		
402	Credit Balance transferred from Income Acct (p301)		(87,758)
403	Miscellaneous Credits (note)		
	Debits		
411	Debit Balance at Beg of Fiscal Period (p 201)		
412	Debit Balance transferred from Income Acct (p 301)	71,049	
413	Surplus applied to Sinking Fund and Other Reserves		
414	Dividend Appropriations of Surplus (p 302)		
415	Appropriations of Surplus for Depreciation (p 204)		
416	Discnt on Bonds (p 203)		
417	Other Deductions from Surplus (note)		
418	Appropriations of Surplus for Construction		
	Balance Carried Forward to Balance Sheet	(158,807)	
	Totals	(87,758)	(87,758)

Operating Revenues

State the operating revenues of the respondent for the year ended December 31, classified in accordance with the Uniform System of Accounts.

Acct No	CLASS OF WATER OPERATING REVENUE a.	Amt of Rev	Net Change
		for Year b.	c.
	Revenues From Sale of Water		
501	Metered Sales to General consumers	\$ 469,684	\$ (3,220)
502	Flat-rate Sales to General Consumers	36,146	-
503	Sales to Other Water Companies		
504	Municipal Hydrants	37,407	-
505	Miscellaneous municipal Revenues		
	Total Revenues from Water Operations	543,237	(3,220)
	Miscellaneous Revenues		
506	Rent from Property used in Operations		
507	Miscellaneous Operating Revenues	-	-
	Total Revenues from Miscellaneous Operation	-	-
	Total Operating Revenues	543,237	(3,220)

DIVIDENDS DECLARED DURING THE YEAR

Give particulars of dividends on each class of stock during the year, and charged to Profit and Loss. This schedule shall include only dividends that have been declared by the Board of Directors during the fiscal year.

Name of Security on which dividend was declared	Rate per Cent		Amount of Capital Stock on which dividend was declared.	Amount of Dividend	Date	
	Regular	Extra			declared	payable

Annual Report of Housatonic Water Works Company
Operating Expenses

Page 303
Year Ended December 31, 2015

Account Number	Name of Expense Account	Amount	Net Change
	Source of Water Supply Expenses		
601-1	Maintenance of Water Supply Bldgs & Fixtures		
601-2	Maintenance of Surface Source of Supply Facilities		
601-3	Maintenance of Ground Source of Water Supply		
	Total Source of Water Supply Expenses	-	-
602	Water Purchased for Resale		
	Pumping Expenses		
603-1	Pumping Labor	16,242	473
603-2	Boiler Fuel		
603-3	Water for Steam		
603-4	Electric Power Purchased	15,486	1,227
603-5	Misc Pumping Station Supplies and Exps	-	-
604-1	Maint of Power Pumping Bldg & Fixtures		
604-2	Maint of Pumping Equipment	18,756	18,756
604-3	Maint of Misc Pumping Plant Equipment		
	Total Pumping Expenses	50,484	20,456
	Purification Expenses		
605-1	Purification Labor	16,242	473
605-2	Purification Supplies and Expenses	23,202	1,509
606-1	Maintenance of Purification Bldgs & Fixtures	1,635	1,380
606-2	Maintenance of Purification Equipment		
	Total Purification Expenses	41,079	3,362
	Transmission and Distribution Expenses		
607	Inspecting Customers' Installations		
608	Misc Trans and Dist Supplies and Expenses		
609-1	Maint of Trans and Dist Buildings & Expenses		
609-2	Maint of Trans and Dist Mains	16,764	8,815
609-3	Maint of Storage, Reservoirs, Tanks and Standpipes		
609-4	Maint of Services		
609-5	Maint of Meters	-	-
609-6	Maint of Hydrants	2,140	2,140
609-7	Maint of Fountains and Troughs		
	Total Trans and Dist Expenses	18,904	10,955
	General and Miscellaneous Expenses		
610-1	Salaries of General Officers and Clerks	190,801	(12,488)
610-2	General Office Supplies and Expenses	57,144	7,670
610-3	Law Expenses (and other professional services)	10,393	999
610-4	Insurance	69,915	(4,274)
610-5	Accidents and Damages		
610-6	Store Expenses		
610-7	Transportation Expenses	10,029	(3,507)
610-8	Inventory Adjustments		
610-9	Maint of General Structure		
610-10	Depreciation	42,843	(2,411)
610-11	Miscellaneous General Expenses	14,916	(89)
	Total General and Miscellaneous Expenses	396,041	(14,100)
	Grand Total Operating Expenses	506,508	20,673

OPERATING EXPENSES

(For companies having average operating revenues not exceeding \$15,000.00)

State the operating expenses of the respondent for the year ended December 31, classifying them in accordance with the Uniform System of Accounts.

Line No.	Account No	Name of Operating Expense Account	Amount of operating expenses for year	Comparison with prior year
25	601	Maintenance of Source Water Supply		
26	602	Water Purchased for Resale		
27	603	Pumping Labor		
28	604	Maint of pumping Plant		
29	605	Purification Labor, supplies & exps		
30	606	Maint of Purification Bldg & Equip		
31	607	Inspecting Customers' Installations		
32	608	Misc Trans and Dist Supplies & Exp		
33	609	Maint of Trans and Dist System		
34	610-10	Depreciation		
35	610-1-11	General and Miscellaneous Expenses		
36				
37		TOTAL OPERATING EXPENSES		

TAXES

Kind of Tax	Federal	State	Municipal	Total
Personal Property			13,430	13,430
Real Estate			10,337	10,337
Other		338		338
FICA/Medicare	2,669			2,669
FUTA	149			149
SUTA		330		330
Deferred Income Tax	1,499	1,382		2,881
Income Tax	20,933	7,846		28,779
Totals	25,250	9,896	23,767	58,913

REAL ESTATE INFORMATION

1. Land owned by the Company.

	Location.	Use.
A.	Gt. Barrington east side Long Pond Water shed shore of reservoir	
B.	Gt. Barrington east side Long Pond water shed shore of reservoir	
C.	Gt. Barrington south side Long Pond filter site shore of reserv.	
D.	Stockbridge High Street Site of reservoir water supply tank	
E.	Gt. Barrington south side Long Pond water shed shore of reservoir	
F.	Gt. Barrington Prospect St. Site of Prospect St. pumping station	
G.		
H.		
I.		
J.		

	Area.	When Bought.	Cost.
A.	40 acres	1923-24	23
B.	17.5 acres	1928	1725
C.	1.3 acres	April 1939	226
D.	1.0 acre	January 1948	500
E.	1 lot	December 1951	643
F.	1 acre	1960	50
G.	5 acres	1976	600
H.			
I.			
J.			
		TOTAL	3767

2. Buildings owned by the Company.

	Location.	Use.
A.	Gt. Barrington south side Long Pond	Valve house slow sand filter
B.	Gt. Barrington south side Long Pond	CF basin & storage tank
C.		
D.		
E.		
F.		
G.		
H.		
I.		
J.		
K.		

	Size.	Material.	When Built.	Cost.
A.	1/10 acre	concrete	1939	not separate
B.	1.0 mg	concrete	1997	948,862
C.				
D.				
E.				
F.				
G.				
H.				
I.				
J.				
K.				

* By cost is meant the original cost of installation, not the Book Value.

SUPPLY INFORMATION.

1. Give a full and complete description of the source or sources from which water is obtained. State whether these sources are owned or leased by the Company. If they are leased, quote the terms of the leases. Give the date of the latest opinion of the Department of Public Health regarding each of these sources of supply.

All water is obtained from Long Pond, Great Barrington, MA. It is a natural lake of about 119 acres situated approximately 3 miles from Housatonic. The water shed is largely wooded with inhabitants, the nearest being 200 feet from the lake. Sanitary conditions are approved by the MA Board of Health. Water is filtered by a slow sand filtration system with a bypass valve for exceptional use during fires.

2. Watersheds owned by the Company.

Location.	Area.	When Bought.	Cost.*
A. Baker Farm	0.4 acres	1923-24	23
B. Tobey lot	17.5 acres	1922	1,725
C. Shalley lot	10.0 acres	1946	500
D. Barbieri lot	1.0 acres	1960	50
			2,298

Remarks:

3. Give a full and complete description of any water supply rights that are owned by the Company and state when they were bought and what was paid for them.

Water supply rights on Long Pond for which deeds were obtained from abutting owners of right of flow. Right of way to lake of all abutting lands for company purposes. Deeds for 3 lots of land for filter with additional right of way over Dewey's land for which \$226 was paid.

* By cost is meant the original cost of installation, not the Book Value.

SUPPLY INFORMATION - Continued.

4. Wells.

Location.	Inside Dimensions.	Depth Below High Water.	Covered or Uncovered.	When Built.	Cost.*
A.
B.
C.
D.
E.
F.

5. Give a full and complete description of the wells.....

6. Reservoirs.

Location	Area at Surface When Full.	Full Capacity in Gallons.	When Built.	Cost.*
A. Long Pond	103 acres	200,000 estimated	no record	.....
B.
C.
D.
E.
F.

7. Describe the reservoirs, stating to what extent they are artificial; to what extent their bottoms were cleaned before being put into service; to what extent their slopes and bottoms are paved; what provisions have been made for raising the water level and increasing the capacity; and give the character of construction of any dams.....

Originally a natural lake shore largely grubbed. Earth dam 8 feet wide, 250 feet long, and 12 feet high to channel. The spillway has been reconstructed to conform to the requirements of the County engineer.

* By cost is meant the original cost of installation, not the Book Value.

PUMPING INFORMATION.

1. Give a general description of the method employed for delivering the water to the consumers, stating whether gravity is utilized or not; whether the company owns a pumping station or not, and giving all other pertinent information.....

Gravity system used. Booster pumping station installed on Prospect Street in 1976-77 service 21 families.

Booster pump installed at Long Pond filter house in July, 1984.

2. BOILERS.

This schedule not presently used

3. CHIMNEYS.

This schedule not presently used

4. PUMPING ENGINES, STEAM-ACTUATED.

This schedule not presently used

f. PUMPS, DRIVEN BY CONNECTED POWER.

	LOCATION	TYPE	NAME OF BUILDER	WHEN INSTALLED	COST*	
A.	.....	.....	.....	.....	.....	.....
B.	.....	.....	.....	.....	.....	.....
C.	Valve, house filter	2" Cent.	FRK/MCSA	9/40	72	41
D.	Valve, house filter	2 1/2" Cent.	FRK/MCSA	8/42	245	20
E.	Valve, house filter	2 1/2" Cent.	DMC	6/53	166	40
F.	New Prospect st. vault	Cent.	Baco	6/77	4050	00
G.	New Prospect st. vault	Cent.	Paco	6/77	4050	00
H.	.....	.....	.....	.....	.....	.....
I.	.....	.....	.....	July 1984	17232	96
J.	.....	.....	.....	.....	21768	00

	NUMBER OF CYLS	SINGLE OR DOUBLE ACTING	RATED STROKES PER MINUTE	LENGTH OF STROKE	DIAM. OF PISTONS OR PLUNGERS	HOW DRIVEN	DISPLACEMENT PER HOUR
A.
B.	Single	1500	.....	.....	1/2 HP Mtr	500,000 gal
C.	Single	1200	.....	.....	Mtr	.....
D.	Single	1600	.....	.....	Gas eng	500,000 gal
E.	5 HP mtr	115,200
F.	1/2 HP mtr	28,800
G.
H.
I.
J.

* By cost is meant the original cost of installation, not the Book Value.

PUMPING INFORMATION -- Continued

6. Gas producers.

This schedule not presently used

7. Internal combustion engines.

	Location.	Name of Builder.	When Installed.	Type of Drive.	Cost.*	
A.
B.
C.

	For Gas, Gasoline or Oil.	Number of Cyls.	Single or Double Acting.	Dimensions of Cylinders.		2 or 4 Stroke Cycle.	Rated H.P.
				Diameter.	Stroke.		
A.
B.
C.

8. ELECTRIC MOTORS, INCLUDING COST OF WIRING SWITCHES, ETC.

	LOCATION.	NAME OF BUILDER.	WHEN INSTALLED.	COST.*	
A.
B.
C.
D.
E.
F.
G.
H.

	A.C. or D.C. If A.C. GIVE PHASE.	VOLTS.	TYPE OF DRIVE.	RATED H.P.
A.
B.
C.
D.
E.
F.
G.
H.

Total Horse Power,

* By cost is meant the original cost of installation, not the Book Value.

PUMPING INFORMATION — Continued.

11. Station log.

Year and Month.	Kwhrs. Used.	Pounds of Coal Burned.	Gallons of Water Pumped.	Hours of Pumping.		Average Total Static Head.	Average Total Dynamic Head.
January,	5,300						
February,	5,300						
March,	6,000						
April,	5,200						
May,	4,700						
June,	5,500						
July,	4,600						
August,	5,100						
September,	7,200						
October,	5,900						
November,	5,500						
December,	6,200						
Totals,	66,500						

12. Based upon the displacement of gallons per revolution with per cent allowance for slip.....

13. Average gallons pumped per day,

14. Maximum gallons pumped in a day,

15. Date of same,

16. Range of pressure in main, lbs. to lbs.

17. Average pressure in mains, lbs. per sq. in.

PUMPING INFORMATION - Concluded.

- 18. Kind of coal,
- 19. Average price per net ton, delivered,
- 20. Average price of wood per cord, delivered,
- 21. Average price of gas per M. cubic feet,
- 22. Average price of gasoline per gallon, delivered,
- 23. Average price of fuel oil per gallon, delivered,
- 24. Average price of electric power per Kwhr.,
- 25. Wood consumed during the year, Cords,
- 26. Gas consumed during the year, M. Cubic Feet,
- 27. Gasoline consumed during the year, Gals.
- 28. Fuel oil consumed during the year, Gals.
- 29. Electric Power used during the year 66,500 K. W. Hrs.

DISTRIBUTION INFORMATION

1. Mains.

Nominal Diameter, Inches.	Material	Weight per Foot.	REMOVED IN YEAR			
			In Down Excavation of Year.	Taken Up Since.	Abandoned But Not Taken Up.	Left In Place.
14	Cast Iron		125			125
12	Cast Iron		2046			2046
10	Cast Iron		4323			4323
8	Cast Iron		22482			22182
6	Cast Iron		8464			8464
4	Cast Iron		16596			16596
2	Cast Iron		3761			3761
2	Steel		1454			1454
1.5	Steel		69			69
1	Steel		587			587
2	Galvanized Iron		629			629
2.5	Galvanized Iron		450			450
1.5	Galvanized Iron		200			200
3/4	Galvanized Iron		84			84
8	Transite		4205			4205
8	Transite		347			347
8	Ductile Iron		9235			9235
6	Ductile Iron		1532			1532
12	Ductile Iron		3904			3904
2	CTS Poly		380			380
TOTALS			87573			87573

2. Cost of repairs per mile of pipe, including valves,

3. Number of leaks in mains, during the year,

4. Number of leaks per mile,

5. Length of mains less than 4 inches in diameter, miles

* Field on surface of ground, earth.
† If cast iron, give weight per foot.

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DISTRIBUTION INFORMATION - Continued.

6. Water towers or stand pipes.

	Location.	LAND.		
		Area.	When Bought.	Cost.*
A.
B.
C.
D.

	Inside Diameter.	Capacity in Gallons.	When Built.	Cost.*	
A.
B.
C.
D.

7. Services.

Nominal Diameter Inches.	Kind of Pipe.	Number Installed and in Use at Beginning of Year.	Taken Up Since.	Laid Since.	Installed and in Use at Close of Year.
3/4	Galv. Iron	775			775
8	Galv. Iron	1			1
1 1/2	Galv. Iron	4			4
1 1/4	Galv. Iron	2			2
4	Galv. Iron	1			1
1	Galv. Iron	1			1
3/4	Copper	69			69
1	Copper	2			2
	Ductile iron	1			1
TOTALS.		856			856

8. Average length of service pipe 7.5 feet.....
9. Average cost of service laid during the year, \$ n/a.....
10. Percentage of services that are metered. 99%.....
11. Percentage in income that is metered,
12. Leaks in service during the year.....
13. Are service pipes paid for by consumers, in whole or in part and to what extent? **Services are fully paid for by consumers.**
- * By cost is meant the original cost of construction, not the Book Value.

(11)

DISTRIBUTION INFORMATION - Continued:

14. Gates and valves.

Nominal Diameter Inches.	Kind of Valve.	Number in Use at Beginning of Year.	Removed Since.	Installed Since.	Number in Use at Close of Year.
14		1			1
12		11			11
10		1			1
1		43			43
6		42			42
4		26			26
2 1/2		1			1
2		28			28
1		59			59
1 1/2		3			3
1 1/4		2			2
3/4		1014			1014
8		10			10
TOTALS		1241			1241

The above list should include all valves that are installed in the mains, whether they are gate valves, blow-offs, check valves or otherwise.

DISTRIBUTION INFORMATION -- Continued.

15. HYDRANTS, PUBLIC.

Nominal Diameter Inches.	Hose Outlet.	Number in Use at Beginning of Year.	Removed Since.	Installed Since.	Number in Use at Close of Year.
5		51	0	0	51
4 1/2		7	0	0	7
4 1/2		9	0	0	9
1		1	0	0	1
TOTALS.		68	0	0	68

16. Were all of the above hydrants purchased and installed at the expense of the Company? yes

17. If not, under what arrangements were they purchased and installed?

18. HYDRANTS, PRIVATE

Nominal Diameter Inches.	Hose Outlet.	Number in Use at Beginning of Year.	Removed Since.	Installed Since.	Number in Use at Close of Year.
5	2	27			27
4	2-2 1/2	2			2
TOTALS.		29			29

19. Were the above hydrants purchased and installed at the expense of the Company? no

20. If not, under what arrangements were they purchased and installed?

DISTRIBUTION INFORMATION - Continued.

21. Meters owned by Company.*

Size Inches.	NUMBER AT BEGINNING OF YEAR.		Bought Since.	Condemned Since and Removed.	NUMBER AT CLOSE OF YEAR.	
	In Use.	On Hand.†			In Use.	On Hand.†
1/2		32				32
5/8	790	23			790	23
3/4	3	1			3	1
1	5	1			5	1
1 1/2	1				1	
2						
3						
4						
6						
TOTALS.	799	57			799	57

22. Has the plant been debited with the first cost of installing the meters in use at close of year, above stated? .. yes

23. If so, was the cost the actual cost or some assumed or average cost? .. Actual

24. Are any of these meters paid for by consumers, and to what extent? .. No

* This tabulation should include only those meters that are for use in measuring the supply to consumers.
 † These meters should include those that are fit for use only.

CONSUMPTION INFORMATION — Concluded.

Attach to the Return a printed copy of all schedules of rates and of the rules and regulations.

14. Rates in Effect December 31.

By meter,

Per faucet, per year,

Per hose connection, per year,

Per bath tub, per year,

Per shower bath, per year,

Per foot tub, per year,

Per wash tub, per year,

Per urinal, per year,

Per water closet, per year,

Per sink, per year,

Per bowl, per year,

Per private hydrant, per year,

For sprinkler systems,

For water motors,

Per drinking fountain, per year,

Per public hydrant, per year,

For watering troughs,

Minimum charge,

Give any contact rates that are in force and state what discounts are allowed for prompt payment and what fines are charged for delayed payment.

Are payments required in advance?

When are meters read and bills rendered?

PC 417

THIS RETURN IS SIGNED UNDER THE PENALTIES OF PERJURY

Fred J. Merce

.....President.

James J. Merce

.....Treasurer.

Fred J. Merce

James J. Merce

}Directors.

SIGNATURES OF ABOVE PARTIES AFFIXED OUTSIDE THE COMMONWEALTH OF MASSACHUSETTS MUST BE PROPERLY SWORN TO

.....19.....

Then personally appeared.....

and severally made oath to the truth of the foregoing statement by them subscribed according to their best knowledge and belief.

Notary Public or
.....Justice of the Peace.

EXTRACTS FROM THE GENERAL LAWS

TERCENTENARY EDITION

CHAPTER 165.

SECTION 1. In sections one to eleven, inclusive, the following words shall have the following meanings:—

"Corporation" or "company", every person, partnership, association or corporation, other than a municipal corporation, and other than a landlord supplying his tenant, engaged in the distribution and sale of water in the commonwealth through its pipes or mains.

"Department," the department of public utilities.

SECTION 2. Chapter one hundred and fifty-eight and sections ten, eleven, twelve, thirteen, fourteen, sixteen, seventeen, eighteen, nineteen, twenty-one, seventy-eight, seventy-nine, eighty, eighty-one, eighty-two, eighty-three, eighty-four, ninety-two, ninety-three, ninety-four, ninety-six, ninety-eight, ninety-nine, one hundred and one, one hundred and twenty and one hundred and twenty-one of chapter one hundred and sixty-four shall include and apply to all such corporations and companies.

SECTION 4. The department shall have general supervision of all corporations and companies subject to this chapter, and shall make all necessary examinations and inquiries and keep itself informed as to the compliance by all such corporations and companies with the law.

SECTION 7. The department shall make an annual report of all its doings under this chapter, together with such suggestions as to the condition of affairs or conduct of the corporations and companies as may be appropriate and with such abstracts of the returns required by section two as it deems expedient.

CHAPTER 164.

SECTION 81. Gas and electric companies or persons engaged in the manufacture and sale or distribution of gas or electricity shall keep their books and accounts in a form to be prescribed by the department, and the accounts shall be closed annually, so that a balance sheet can be taken therefrom. Manufacturing companies in which the manufacture of gas or electricity is a minor portion of their business shall be required to keep accounts of the expenses and income of their gas or electric business only.

SECTION 83. Gas and electric companies and manufacturing companies and persons engaged in the manufacture and sale or distribution and sale of gas or electricity shall annually, on or before such date as the department fixes, make to the department, in a form prescribed by it, a return for the year ending on such date as the department may from time to time require, signed and sworn to by the president or vice-president, and treasurer or assistant treasurer, and a majority of the directors, of the amount of their authorized capital, their indebtedness and financial condition, on the said date, their income and expenses during the preceding year, their dividends paid and declared, a list of the names of all their salaried officers and the amount of the salary paid to each, and the balance sheet of their accounts as of said date. Such companies and persons shall at all times, upon request, furnish any information required by the department or its duly authorized employees relative to their condition, management and operation, and shall comply with all lawful orders of the department; but manufacturing companies in which the manufacture and sale of gas or electricity is a minor portion of their business shall be required to include in their annual returns the income and expenses and other data relative to their gas and electric business only.

SECTION 84. Each such gas or electric company or manufacturing company or person neglecting to make the annual return required by the preceding section shall, for the first fifteen days or portion thereof during which such neglect continues, forfeit five dollars a day; for the second fifteen days or any portion thereof, ten dollars a day; and for each day thereafter not more than fifteen dollars a day. If any such company or person unreasonably refuses or neglects to make such return, it or he shall, in addition thereto, forfeit not more than five hundred dollars. If a return is defective or appears to be erroneous, the department shall notify the company or person to amend it within fifteen days. A company or person neglecting to amend said return within the time specified in the notice, when notified to do so, shall forfeit fifteen dollars for each day during which such neglect continues. All forfeitures incurred under this section may be recovered by an information in equity brought in the supreme judicial court by the attorney-general, at the relation of the department, and when so recovered shall be paid to the commonwealth.

CHAPTER 268.

PENALTY FOR FALSE REPORTS.

SECTION 6. Except as provided in sections forty-eight and forty-nine of chapter one hundred and fifty-five, whoever shall wilfully make false report to the department of public utilities, the department of public works, the department of banking and insurance, or the commissioner of corporations and taxation, or who, before any such department or commissioner, shall testify or affirm falsely to any material fact in any matter wherein an oath or affirmation is required or authorized, or who shall make any false entry or memorandum upon any book, report, paper or statement of any company making report to any of the said departments or said commissioner, with intent to deceive the department or commissioner, or any agent appointed to examine the affairs of any such company, or to deceive the stockholders or any officer of any such company, or to injure or defraud any such company, and any person who with like intent aids or abets another in any violation of this section shall be punished by a fine of not more than one thousand dollars or by imprisonment for not more than one year, or both.