

The Commonwealth of Massachusetts

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ANNUAL

RETURN

OF THE

WHITINSVILLE

WATER COMPANY

TO THE

DEPARTMENT OF PUBLIC UTILITIES

OF MASSACHUSETTS

For the Year Ended December 31, 2018

Name of Officer to whom correspondence
should be addressed regarding this report, Joseph R. Swigor.

Official title: Manager; Office address: 44 Lake Street.

Whitinsville zip code 01588

GENERAL INFORMATION

PRINCIPAL AND SALARIED OFFICERS*

Titles	Names	Addresses	Annual Salaries
President	David H. White	North Grafton, MA	\$12,000.00

DIRECTORS*

Names	Addresses	Fees Paid During Year
Craig E. Barnes	Braintree, MA	\$2400.00
Robert F. Dore	Worcester, MA	---
David H. White	North Grafton, MA	\$2400.00
Alan Malkasian	Northbridge, MA	\$2400.00
Charles Thompson	Whitinsville, MA	\$2400.00
Jeffrey S. Barnes	Plymouth, MA	\$2400.00
Thomas H White	North Grafton, MA	\$2400.00

*By General Laws, Chapter 164, Section 83, the Return must contain a "List of names of all their salaried officers and the amount 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."

THIS RETURN IS SIGNED UNDER THE PENALTIES OF PERJURY

..... President

..... Treasurer

.....

.....

..... Directors

.....

.....

.....

.....

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

..... ss. 20

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 corporation 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 appropriated 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 willfully 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.

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.

Line No.	(a)	Amount (b)
1	Beginning Balance 12/31/17	8,014,920
2		
3		
4		
5		
6	TOTAL CREDITS DURING YEAR	629,529
7	TOTAL DEBITS DURING YEAR (ASSET DISPOSITION)	129,214
8		
9		
10		
11		
12	NET CHARGES DURING YEAR	500,315
13	Balance December 31, 2018	8,515,235

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.

14	Consumer Meters 50	Misc. Equipment 10	Service Pipes 50
15	Consumer Meters Installed 30	Office Equipment 10	Shop Equipment 20
16	Fire Cistern 20	Pumping Plant Equipment 20,50	Store Equipment 10
17	Hydrants 50	Purification systems 20	Structure 50
18	Trans + Dist. Mains 50	Trans Equipment 5	CIAC 50
19	Federal Tax Depreciation for the year ended 12/31/18= \$1,133,777.		

NOTE:

INCOME STATEMENT FOR THE YEAR

Give the Income Account of the respondent for the year ended December 31, in accordance with the Uniform System of Accounts for Water Companies.

Line No.	Acct No.	ITEM (a)	Amount (b)	Comparison with Previous Year Increase, (Decrease) (c)
1		OPERATING INCOME	*****	*****
2	500	Operating Revenues (p.302)	\$3,187,615	\$113,584
3	600	Operating Expenses (pp. 302-303)	\$2,098,238	\$102,394
4		Net Operating Revenue	\$1,089,377	\$11,190
5	550	Uncollectible Operating Revenues	\$0	\$0
6	551	Taxes (p.303A)	\$519,323	\$527,153
7		Net Operating Income	\$570,054	(\$515,963)
8		NON-OPERATING INCOME	*****	*****
9	560	Merchandising and Jobbing Revenue	\$232,377	(\$40,697)
10	561	Rent from Appliances	\$0	\$0
11	562	Miscellaneous Rent Income	\$11,700	\$97
12	563	Interest and Dividend Income	\$7,747	\$1,709
13	564	Inc. from Sink. And Other Res. Funds	\$0	\$0
14	565	Amortization of Premium on Bonds (p.204)	\$0	\$0
15	566	Miscellaneous Non-operating Income	\$24,410	\$5,774
16		Total Non-operating Income	\$276,234	(\$33,117)
17		GROSS INCOME	\$846,288	(\$549,080)
18		DEDUCTIONS FROM GROSS INCOME	*****	*****
19	575	Miscellaneous Rents	\$0	\$0
20	576	Interest on Bonds and Coupon Notes	\$0	\$0
21	577	Miscellaneous Interest Deductions	\$146,367	(\$10,027)
22	578	Amortization of Discount (p.203)	\$153,926	\$1,922
23	579	Miscellaneous Deductions from Income	\$0	\$0
24		Total Deductions from Gross Income	\$300,293	(\$10,027)
25		Income Balance transferred to Profit and Loss	\$545,995	(\$72,724)

PROFIT AND LOSS STATEMENT

Show hereunder the items of the Profit and Loss Account of the respondent, classified in accordance with the Uniform System of Accounts for Water Companies.

	Acct No.	ITEM (a)	Debits (b)	Credits (c)
26		CREDITS	*****	*****
27	401	Credit Balance at Beginning of Fiscal Period (p.201)	*****	\$8,601,725
28	402	Credit Balance transferred from Income Acct (p.301)	*****	\$545,995
29	403	Miscellaneous Credits, (note)	*****	*****
30		DEBITS	*****	*****
31	411	Debit Balance at Beginning of Fiscal Period (p.201)	*****	*****
32	412	Debit Balance transferred from Income Acct (p.301)	*****	*****
33	413	Surplus applied to Sinking Fund and Other Reserves	*****	*****
34	414	Dividend Appropriations of Surplus (p.302)	\$24,000	*****
35	415	Appropriations of Surplus for Depreciation (p.204)	*****	*****
36	416	Disc't on Bonds Extin'g'd through Surplus (p.203)	*****	*****
37	417	Other Deductions from Surplus, (note)	*****	*****
38	418	Appropriations of Surplus for Construction	*****	*****
39		Balance carried Forward to Balance Sheet		\$9,123,720
40		TOTALS		

(Note) Explain below amounts entered as Other Deductions from Surplus or Miscellaneous Credits:

42
43
44
45

*In case the Merchandising and Jobbing business shows a loss, the amount should appear in red.

OPERATING REVENUES

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

Line No	Account Number	Class of Water Operating Revenue (a)	Amount of Revenue for Year (b)	Comparison with Revenue of Previous Year (Increase, Decrease) (c)
1		REVENUES FROM SALE OF WATER	\$*****	\$*****
2	501	Metered Sales to General Consumers	1,121,777	192,035
3	502	Flat-rate Sales to General Consumers	418,633	(91,709)
4	503	Sales to Other Water Companies	966,055	111,051
5	504	Municipal Hydrants	667,627	(10,930)
6	505	Miscellaneous Municipal Revenues	-	-
7		Total Revenues from Water Operations	3,174,092	200,447
8		MISCELLANEOUS REVENUES	\$*****	\$*****
9	506	Rent from Property used in Operation	-	-
10	507	Miscellaneous Operating Revenues	13,524	8,250
11		Total Revenues from Miscellaneous Operation	13,524	8,250
12		Total Operating Revenues	3,187,615	208,697

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.

Line No.	Name of Security of which Dividend was declared (a)	Rate per Cent		Amount of Capital Stock on which Dividend was declared (d)	Amount of Dividend (e)	Date	
		Regular (b)	Extra (c)			Declared (f)	Payable (g)
13	Common Stock				24,000		
14							
15							
16							
17							
18							
19							
20							
21							
22							
23							
24				Total	24,000		

OPERATING EXPENSES				
(For companies having average operating revenues of more than \$15,000.)				
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.	Acct. No.	NAME OF OPERATING EXPENSE ACCOUNT (a)	Amount of Operating Expenses for Year (b)	Comparison with Previous Year (Increase in Black, Decrease in Red) (c)
1		SOURCE OF WATER SUPPLY EXPENSES	*****	*****
2	601-1	Maintenance of Water Supply Buildings and Fixtures	0	(148)
3	601-2	Maintenance of Surface Source of Supply Facilities	1,169	(7,761)
4	601-3	Maintenance of Ground Source of Water Supply	79	(14,265)
5		Total Source of Water Supply Expenses	1,248	(22,174)
6	602	Water Purchased for Resale		
7		PUMPING EXPENSES	*****	*****
8	603-1	Pumping Labor	41,793	(14,298)
9	603-2	Boiler Fuel	0	-
10	603-3	Water for Steam	0	-
11	603-4	Electric Power Purchased	146,635	(3,490)
12	603-5	Miscellaneous Pumping Station Supplies and Expenses	14,940	(1,914)
13	604-1	Maintenance of Power Pumping Buildings and Fixtures	15,434	2,106
14	604-2	Maintenance of Pumping Equipment	24,784	8,223
15	604-3	Maintenance of Miscellaneous Pumping Plant Equipment	0	-
16		Total Pumping Expenses	243,586	(9,373)
17		PURIFICATION EXPENSES	*****	*****
18	605-1	Purification Labor	10,816	77
19	605-2	Purification Supplies and Expenses	99,920	6,040
20	606-1	Maintenance of Purification Buildings and Fixtures	0	-
21	606-2	Maintenance of Purification Equipment	0	-
22		Total Purification Expenses	110,736	6,118
23		TRANSMISSION AND DISTRIBUTION EXPENSES	*****	*****
24	607	Inspecting Customers' Installations	729	675
25	608	Miscellaneous Trans. and Dist. Supplies and Expenses	0	-
26	609-1	Maintenance of Trans and Dist Buildings and Fixtures	0	-
27	609-2	Maintenance of Trans. And Dist. Mains	27,495	9,459
28	609-3	Maintenance of Storage, Reservoirs, Tanks and Standpipes	7,424	5,749
29	609-4	Maintenance of Services	5,937	(5,643)
30	609-5	Maintenance of Meters	13,032	(283)
31	609-6	Maintenance of Hydrants	11,512	5,469
32	609-7	Cross Connection	5,414	(1,187)
33		Total Trans. And Dist. Expenses	71,542	14,238
34		GENERAL AND MISCELLANEOUS EXPENSES	*****	*****
35	610-1	Salaries of General Officers and Clerks	500,220	(78,166)
36	610-2	General Office Supplies and Expenses	76,945	11,309
37	610-3	Law Expense -- General	184,723	(41,564)
38	610-4	Insurance	172,715	(5,324)
39	610-5	Accidents and Damages	0	-
40	610-6	Store Expenses	14,877	(1,662)
41	610-7	Transportation Expenses	44,322	6,938
42	610-8	Inventory Adjustments	3,788	(2,052)
43	610-9	Maintenance of General Structures	39,674	6,599
44	610-10	Depreciation	600,095	32,189
45	610-11	Miscellaneous General Expenses	33,768	6,723
46		Total General and Miscellaneous Expenses	1,671,126	113,584
47		GRAND TOTAL OPERATING EXPENSES	2,098,238	102,394

Annual report ofWhitinsville Water Company.....Year ended December 31, 2018

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 (a)	Amount of Operating Expenses for Year (b)	Comparison with Previous Year (Increase in Black, Decrease in Red) (c)
25	601	Maint. Of Source of Water Supply		
26	602	Water Purchased for Resale		
27	603	Pumping Labor		
28	604	Maint. of Pumping Plant		
29	605	Purification Labor, Supplies & Expenses		
30	606	Maint. of Purification Buildings and Equipment		
31	607	Inspecting Customers' Installations		
32	608	Misc. Trans. And Dist. Supplies and Expenses		
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
48. RE Taxes Northbridge			76,281	76,281
49. Personal Prop Northbridge			31,521	31,521
50. RE Taxes Sutton			79,826	79,826
51. Pers Prop Sutton			9,863	9,863
52. Payroll Taxes	52,395	6,561		58,957
53. State Income Taxes		73,495		73,495
54. Federal Income Taxes	187,467			187,467
55 Mass Sales Tax-Collected		1,136		1,136
56 Mass Sales Tax-Purchased		779		779
57. Totals	239,862	81,970	197,490	519,323

1. Land owned by the Company		REAL ESTATE INFORMATION	
Location		Use	
A. Hill St., Whitinsville		Booster Pump Station	
B. Main St., Whitinsville		Well Field – Pump Station	
C. Carr St., Whitinsville		Well Field – Pump Station	
D. Mendon Road, Sutton		Well Field-Treatment Plant.P.S. Res. 4, 5, 6, 7 & WS	
E. Main St., Whitinsville		Future Water Supply	
F. Lake St., Whitinsville		Office – Storage – Garage – Workshop	
G. Prentice Rd. & Carr St., Whitinsville		Future Water Supply – Watershed	
H. Prentice Rd., Sutton		Watershed	
I. Carpenter Reservoir, Whitinsville		Watershed	
J. Fish Pond, Whitinsville		Watershed	
K. Meadow Pond, Whitinsville		Watershed	
L. Gravel Pack Well Rd., Whitinsville		Watershed	
M. Carpenter Reservoir, Whitinsville		Watershed	
N. Meadow Pond, Whitinsville		Watershed	
O.			
P.			
Area	When Bought	Cost	
A. .06 Acres	2-Jan-54	\$11.00	
B. 6.72 Acres	2-Jan-54	\$240.00	
C. 6.13 Acres	2-Jan-54	\$4,245.00	
D. 1,007.75 Acres	2-Jan-54	\$5,100.00	
E. 4.90 Acres	31-Dec-58	\$600.00	
F. 1.43 Acres	31-Dec-58	\$1,300.00	
G. 28.85 Acres	31-Dec-58	\$3,187.00	
H. 7.00 Acres	31-Dec-58	\$800.00	
I. 116.10 Acres	29-Oct-62		
J. 1.30 Acres	29-Oct-62	\$10,000.00	
K. 183.10 Acres	29-Oct-62		
L. 4.25 Acres	9-Jul-65	\$1,500.00	
M. 188.61 Acres	10-Dec-65	\$1,974.00	
N. 16.74 Acres	1-Aug-03	\$238,000.00	
O. .35 Acres	7-May-12	\$12,500.00	
P. 20. Acres	25-Jan-17	\$12,216.60	
2. Buildings Owned by Company			
A. Hill St., Whitinsville		Pump Station	
B. Main St., Whitinsville		Pump Station	
C. Carr St., Whitinsville		Pump Station	
D. Mendon Rd., Sutton		Pump Station	
E. Mendon Rd., Sutton		Telemeter Shelter	
F. Mendon Rd. Sutton		Water Treatment Plant	
G. Lake St., Whitinsville		Office – Storage – Workshop - Garage	
H. Carr St. Whitinsville		Water Treatment Plant	
Size	Material	When Built	Cost
A. 20x24	Wis Wdn RF	1936	\$2,700.00
B. 18x30	Wis Conc RF	1950	\$20,670.00
C. 20x27	Wis Conc RF	1922	\$1,950.00
D. 22x34	Wis Wdn RF	1919	\$1,900.00
E. 7x7	Conc Fdn	1951	\$912.00
F. 53x65	Steel RF	2009	\$4,419,754.00
G. 85x31	Firs 3R Wis.	1958 (Purch)	\$26,200.00
H. 40x41	Steel RF	2013	\$113,000.00

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

SUPPLY INFORMATION

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.

Water is delivered and pressure maintained by gravity feed from distribution reservoirs. Three electronic-driven pump stations pump directly into the distribution systems. Electronic-driven booster pump station raises water to another distribution standpipe.

2. Watersheds owned by the Company.

Location	Area	When Bought	Cost*
A. See previous page			
B.			
C.			
D.			

Remarks:

All land owned by the WWC is within the watershed with the exception of the office.

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.

*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. Whitin	NA			approx 1920	
B. Sutton	NA			approx 1904	
C. GP Well	8 inches			1949	
D.					
E.					
F.					

5. Give a full and complete description of the wells

6. Reservoirs. The WWC has no reservoirs for which we directly treat water. We do own following reservoirs.

Location	Area at Surface When Full	Full Capacity in Gallons	When Built	Cost*
A. #6 - Sutton	16 acres	40 MG	1907	\$6,710.00
B #5 - Sutton	30 acres	119 MG	1910	\$30,910.00
C. #4 - Sutton	12 acres	60 MG	1901 / 1965	\$42,100.00
D. Carpenter	80 acres	317 MG	1827	
E. Meadow Pond	185 acres	372 MG	1961	
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. Reservoirs #4, 5, & 6 were formed artificially by constructing three dams across the Cook Allen Brook. The dams are of earth construction having concrete cores with sheathing driven below core. Each dam has a spillway and regulating gates. Reservoir #4 was stripped. The other two only had the vegetation cut. The heights of the dams are 25', 30', and 14' respectively. (#4 was breached during the August, 1955 flood and was re-constructed in 1965.

*By cost is meant the original cost on 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.

- 2. BOILERS This schedule not presently used
- 3. CHIMNEYS This schedule not presently used
- 4. PUMPING ENGINES, STEAM-ACTUATED This schedule not presently used

5. PUMPS, DRIVEN BY CONNECTED POWER

Location	Type	Name of Builder	When Installed		Cost*	
A. Sutton Pump Station	Centr	Fairbanks	2009	\$	40,000.00	
B. Sutton Pump Station	Centr	Fairbanks	2009	\$	40,000.00	
C. Whitin Station	Centr	Aurora	2018	\$	32,000.00	
D. Whitin Station	Centr	Warren St.	1953	\$	2,136.00	
E. Gravel Pack Well P.S.	Sub	Goulds	2002	\$	2,585.00	
F. Booster Pump Station	Centr	ITT	1990	\$	7,000.00	
G. Booster Pump Station	Centr	ITT	1990	\$	7,000.00	
H.LHW Sutton Treatment Pl	VT	Fairbanks	2009	\$	40,000.00	
I.LHW Sutton Treatment Pla	VT	Fairbanks	2009	\$	40,000.00	
J. Whitin Treatment Plant	VT	Goulds	2013	\$	5,000.00	
Number of cysl.	Single or double acting	Rated strokes per minute	Length of stroke	Diam of Pistons or Plungers	How Driven	Displacement per 24 Hours
A.						
B.						
C.						
D.						
E.						
F.						
G.						

*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 Diameter Stroke	2 or 4 Stroke Cycle	Rated H.P.
A.					
B.					

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

Location	Name of Builder	When Installed	Cost*
A. Sutton Pump Station	U.S. Motor	2009	40,000.00
B. Sutton Pump Station	U.S. Motor	2009	40,000.00
C. Whitin Pump Station	Marathon	2018	20,000.00
D. Whitin Pump Station	Century Electric	1910	7,663.44
E. Gravel Pack Well Pump	Franklin Motor	2002	6,000.00
F. Booster Pump Station	TECO Westinghouse	2018	16,550.00
G. Booster Pump Station	TECO Westinghouse	2018	16,550.00
H. LHW Sutton Treatment Plant	U.S. Motor	2009	40,000.00
I. LHW Sutton Treatment Plant	U.S. Motor	2009	40,000.00
J. Whitin Treatment Plant	Baldor/Reliance Ind. Motor	2013	5,000.00
A.C. or D.C. If A.C. give phase	Volts	Type of Drive	Rated H.P.
A. A/C 3 phase	460	VFD	50
B. A/C 3 phase	460	VFD	30
C. A/C 3 phase	460/3535	VFD	100
D. A/C 3 phase	460	VFD	100
E. A/C 3 phase	460/3450	Direct	30
F. A/C 3 phase	460/3500	VFD	40
G. A/C 3 phase	460/3500	VFD	40
H. A/C 3 phase	460	VFD	75
I. A/C 3 phase	460	VFD	75
J. A/C 3 phase	200/400	Direct	15

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

PUMPING INFORMATION – Continued

9. WATER WHEELS AND TURBINES

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

Type of Machine	Diam of Runner	Working Head	Speed	Type of drive	Rated H.P.
A.					
B.					
C.					
D.					

Total Horse Power:

10. Give a full and complete description of any water power rights that are owned by the Company, and say when they were bought and what was paid for them:

Next page is 407

*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-18	81,101		39,360,959			
February-18	69,091		34,622,116			
March-18	68,992		35,773,318			
April-18	65,671		35,330,018			
May-18	78,803		30,527,452			
June-18	93,279		61,765,149			
July-18	93,119		62,056,765			
August-18	83,130		65,036,365			
September-18	69,520		43,739,427			
October-18	56,433		34,535,324			
November-18	59,247		32,655,286			
December-18	64,034		33,869,833			
Totals	882,420		509,272,012			

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

13. Average gallons pumped per day _____ 1102917 _____

14. Maximum gallons pumped in a day _____ 1924698 _____

15. Date of same _____ 7/02/2018 _____

16. Range of pressure in main _____ 40 _____ lbs. to _____ 135 _____ lbs.

17. Average pressure in mains _____ 100 _____ lbs. per sq. in.

* - Includes the booster station for the high service area

** - Includes water production only

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. .12

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 827,078 K.W. Hrs

DISTRIBUTION INFORMATION

1. Mains

Nominal Diameter, Inches	Kind of Pipe *	LENGHTS IN FEET				
		In Use at Beginning of Year	Taken Up Since	Abandoned But Not Taken Up	Laid Since	In Use at Close of Year
TRANSMISSION SYSTEM:						
24	Cast Iron	1,410				1,410
16	Transite	2,900				2,900
16	Cast/Ductile Iron	10,472				10,472
14	Cast/Ductile Iron	8,960				8,960
12	Cast/Ductile Iron	43,285	100		100	43,285
10	Cast/Ductile Iron	34,807				34,807
8	Cast/Ductile Iron	72,872	2455		2,455	72,872
6	Cast/Ductile Iron	30,205	137		137	30,205
4	Cast/Ductile Iron	8,121				8,121
16	HDPE	3,000				3,000
10	HDPE	1,800				1,800
6	HDPE	400				400
2.5	Blk Wrt Iron	252				252
2	Wrt Iron Ex-Heavy	502				502
2	Copper Type K	762				762
1.5	Wrt Iron Ex-Heavy	465				465
1.5	Copper Type K	214				214
12	HDPE	1,030				1,030
1.25	Copper Type K	100				100
1	Copper Type K	39,001	540		540	39,001
3/4	Copper Type K	44				44
	TOTALS	260,601	3,232	0	3,232	260,601
2.	Cost of repairs per mile of pipe, including valves _____	\$721,643.71				
3.	Number of leaks in mains, during the year _____	3				
4.	Number of leaks per mile _____					
5.	Length of mains less than 4 inches in diameter _____	~ 3000 ft _____ miles _____				

*If laid on surface of ground, mark S

DISTRIBUTION INFORMATION – Continued

6. Water towers or stand pipes

Location	Area	Land When Bought	Cost*
A. Mendon Rd., Sutton			
B. Hill St., Northbridge			
C.			
D.			
Inside Diameter	Capacity in Gallons	When Built	Cost*
A. 111'x111'x16'	1,500,000	1920	\$ 94,820.00
B. 40' diameter x 90' Height	850,000	2002	\$ 625,000.00
C.			
D.			
TOTAL			\$ 719,820.00

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
12	Cast Iron	1			1
10	Cast Iron	7			7
8	Cast Iron	24			24
6	Cast Iron	44			44
4	Cast Iron	12			12
3	Cast Iron	1			1
1.5-2.5	Iron Pipe	54			54
1.25-.75	Iron Pipe, Plastic or Copper	2158	45	45	2158
TOTALS		2301	45	45	2301

8. Average length of service pipe 25 feet _____

9. Average cost of service laid during the year, \$ _____ Paid for by developer _____

10. Percentage of services that are metered 100 _____

11. Percentage of income that is metered 80 _____

12. Leaks I service during the year 3 _____

13. Are services pipes paid for by consumers, in whole or in part and to what extent? Main to curb water company - curb to house - customer

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

DISTRIBUTION INFORMATION – Continued

9. Hydrants, Public

Nominal Diameter Inches	Hose Outlets	Number in Use at Beginning of Year	Removed Since	Installed Since	Number in Use at Close of Year
4x5-6	2 ½ +4 ½	0			0
4 ½ x5-6	“	7			7
5x5-6	“	58	2	2	58
5 ¼ x 5 ½ -6	“	264	9	9	264
4x5-6	“	0 (S)			0
4 ½ x 5-6	“	1 (S)			1
5x5-6	“	2 (S)			2
5 ¼ x 5-6	“	43 (S)			43
	TOTALS	375	11	11	375

10. Were all of the above hydrants purchased and installed at the expense of the Company?
Yes

11. If not, under what arrangements were they purchased and installed? New developments often install hydrants & transfer ownership to the Whitinsville Water Company

12. Hydrants, Private

Nominal Diameter Inches	Hose Outlets	Number in Use at Beginning of Year	Removed Since	Installed Since	Number in Use at Close of Year
4 ½ x4-6	"	WWC 1			1
"	"	Shop@Whi 3			3
"	"	Cottonmill 3			3
5 x 5-6	"	Shop@ 3			3
5 ¼ x 5-6	"	Christian 3			3
"	"	Arcade 4			4
"	"	Shop@Whi 7			7
"	"	Sutton Sewer 1			1
"	"	Ijan-MA 2			2
"	"	Ross Trucking 1			1
"	"	Life Song Church 1			1
"	"	Champion Containe 1			1
"	"	Walmart 8			8
"	"	National Grid 6			6
"	"	NEDT 1			1
6 x 5-6	"	Shop@Whi 2			2
	TOTALS	47	0	0	47

13. Were the above hydrants purchased and installed at the expense of the Company?

14. If not, under what arrangements were they purchased and installed? Installed at the expense of property owners

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
5/8"	2148	79		22	2145	60
3/4"	99	10		10	98	1
1"	24	2	6	3	25	4
1 1/4"	0				0	
1 1/2"	14	5		5	12	2
2"	16		1		17	
3"	0				0	
6"	2		1		3	
8"	1				1	
10"	1			1	0	
	0				0	
TOTALS	2305	96	8	41	2301	67

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

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

12. 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.

Consumption Information

- 1. Estimate total population of territory covered by franchise 7,799
- 2. Estimated population reached by the distributing system 15,707
- 3. Estimated population actually supplied 15,260
- 4. Total consumption during the year gals. 3011 MG
- 5. Average daily consumption gals. 8.249 MG
- 6. Day on which the greatest amount was pumped July 2th
- 7. Gallons pumped on above day 1.737 MG
- 8. Week during which greatest amount was pumped July 1-July 7
- 9. Gallons pumped during above week 14.396 MG
- 10. Gallons per day per service 496*
- 11. Consumption metered 100%
- 12. Consumption metered _____ percent of total consumption _____

13. **CUSTOMERS**

Number being Supplied at Beginning of Year	Disconnected Since	Connected Since	Number being Supplied at Close of Year
2305	17	13	2301
2305	17	13	2301
Name of City, Town or District		Number of Customers as of December 31, 2018	
Whitinsville Water Company		2301	

* Does not include wholesale customers

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 June 1, 2018

- By meter See M.D.P.U. NO.28
- 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 _____
- 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? _____

THIS RETURN IS SIGNED UNDER THE PENALTIES OF PERJURY

[Handwritten signature]
[Handwritten signature]

..... President

..... Treasurer

[Handwritten signature]
Charles E. Thompson

..... Directors

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

..... ss. 20

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.