Pumping Information - Continued Hingham

11. Station log Free Street #2A to Water Treatment Facility

Year and Month 2012	Kwhrs Used	Pounds of coal Burned	Million Gallons of Water Pumped	Hours of Pumping		Average Total Static Head	Average Total Dynamic Head
January	1,680		0.000	0			
February	1,470		0.000	0			
March	1,470		0.000	0			
April	4,200		8.194	360			
May	16,590		22.810	744			
June	25,410		23.809	720			
July	35,700		27.017	744			
August	26,880		22.958	744			
September	18,900		9.639	360			
October	630		0.000	0			
November	1,050		0.000	0			
December	1,470		0.000	0			
Totals	135,450	0	114.627	3,672	0	0	0

12. Based upon the displacement of_____gallons per revolution with_____per cent allowance for slip____

13. Average gallons per day 0.313 MG (366 days)

14. Maximum gallons pumped in a day 1.014 MG

15. Date of same, 6-Aug-12

16. Range of pressure in main 50-60 psi

17. Average pressure in main 55 psi

Pumping Information - Continued Hingham

18.	Kind of coal	
19.	Average price per net ton, delivered	
20.	Average price of wood per cord, delivered	
21.	Average price per gas per M. cubic feet	
22.	Average price per gasoline per gallon, delivered	
23.	Average price of fuel oil per gallon, delivered	
24.	Average price of electric power per Kwhr	$ 0.3600
25.	Wood consumed durind the year	
26.	Gas consumed during the year	
27.	Gasoline consumed during the year	
28.	Fuel oil consumed during the year	
29.	Electric Power used during the year	135,450 Kwhrs

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Pumping Information - Continued Hingham

11. Station log — Free Street #4 to Water Treatment Facility

Year and Month 2012	Kwhrs Used	Pounds of coal Burned	Million Gallons of Water Pumped	Hours of Pumping		Average Total Static Head	Average Total Dynamic Head
January			24.744	744			
February			22.638	696			
March			23.932	744			
April			21.647	720			
May			23.334	744			
June			22.914	720			
July			27.168	744			
August			23.274	744			
September			22.888	720			
October			24.407	744			
November			23.361	720			
December			23.967	744			
Totals	0	0	284.474	8,784	0	0	0

Note: uses meter at Free St # 3

12. Based upon the displacement of_____gallons per revolution with_____per cent allowance for slip____

13. Average gallons per day — 0.777 MG (366 days)

14. Maximum gallons pumped in a day — 1.342 MG

15. Date of same, — 17-Jul-12

16. Range of pressure in main — 50 -60 psi

17. Average pressure in main — 55 psi

Pumping Information - Continued Hingham

18. Kind of coal	
19. Average price per net ton, delivered	
20. Average price of wood per cord, delivered	
21. Average price per gas per M. cubic feet	
22. Average price per gasoline per gallon, delivered	
23. Average price of fuel oil per gallon, delivered	
24. Average price of electric power per Kwhr	See Free St.#385
25. Wood consumed durind the year	
26. Gas consumed during the year	
27. Gasoline consumed during the year	
28. Fuel oil consumed during the year	
29. Electric Power used during the year	Kwhrs

Pumping Information - Continued Millbury

11. Station Log

Total System

Year and Month 2012	Kwhrs Used	Purchased Water (MG)	Million Gallons of Water Pumped	Hours of Pumping	Total System (MG) Includes Purchased Wtr	Average Total Static Head	Average Total Dynamic Head
January	99,320	0.000	41.828	1,830	41.828		
February	92,510	0.000	41.498	1,921	41.498		
March	80,460	0.000	37.027	1,744	37.027		
April	89,450	0.000	47.634	2,208	47.634		
May	81,470	0.000	50.592	2,081	50.592		
June	100,090	0.000	50.618	1,988	50.618		
July	92,650	0.000	59.015	2,580	59.015		
August	107,650	0.000	52.290	2,258	52.290		
September	108,140	0.000	51.223	1,730	51.223		
October	93,010	0.000	48.851	1,580	48.851		
November	88,670	0.000	44.949	1,505	44.949		
December	81,970	1.978	43.193	1,564	45.171		
Totals	1,113,290	1.978	568.718	22,987	570.698	0	0

12. Based upon the displacement of_____gallons per revolution with_____per cent allowance for slip____

13. Average gallons per day 1.559 MG (366 days)

14. Maximum gallons pumped in a day 2.589 MG

15. Date of same, 15-Jul-12

16. Range of pressure in main 21 lbs to 125 lbs

17. Average pressure in main 73 lbs per sq in

Pumping Information - Continued Millbury

18. Kind of coal	
19. Average price per net ton, delivered	
20. Average price of wood per cord, delivered	
21. Average price per gas per M. cubic feet	
22. Average price per gasoline per gallon, delivered	
23. Average price of fuel oil per gallon, delivered	
24. Average price of electric power per Kwhr	$ 0.1289
25. Wood consumed durind the year	
26. Gas consumed during the year	
27. Gasoline consumed during the year	
28. Fuel oil consumed during the year	
29. Electric Power used during the year	1,113,290 Kwhrs

Pumping Information - Continued Millbury

11. Station Log

Millbury Ave. Station

Year and Month 2012	Kwhrs Used	Pounds of coal Burned	Million Gallons of Water Pumped	Hours of Pumping		Average Total Static Head	Average Total Dynamic Head
January	25,500		13.263	320			
February	26,000		4.742	114			
March	16,600		1.066	27			
April	3,400		2.326	56			
May	6,500		13.959	340			
June	28,000		8.343	209			
July	16,200		13.007	330			
August	25,700		6.940	215			
September	20,200		7.926	197			
October	16,700		8.580	207			
November	17,100		8.079	204			
December	18,800		5.063	129			
Totals	220,700	0	93.294	2,348	0	0	0

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

13. Average gallons per day 0.255 MG (366 days)

14. Maximum gallons pumped in a day 1.176 MG

15. Date of same, 8-May-12

16. Range of pressure in main 21 lbs to 125 lbs

17. Average pressure in main 73 lbs per sq in

Pumping Information - Continued Millbury

18. Kind of coal	
19. Average price per net ton, delivered	
20. Average price of wood per cord, delivered	
21. Average price per gas per M. cubic feet	
22. Average price per gasoline per gallon, delivered	
23. Average price of fuel oil per gallon, delivered	
24. Average price of electric power per Kwhr	$ 0.1412
25. Wood consumed durind the year	
26. Gas consumed during the year	
27. Gasoline consumed during the year	
28. Fuel oil consumed during the year	
29. Electric Power used during the year	220,700 Kwhrs

Pumping Information - Continued Millbury

11. Station Log — Oak Pond Station

Year and Month 2012	Kwhrs Used	Pounds of coal Burned	Million Gallons of Water Pumped	Hours of Pumping		Average Total Static Head	Average Total Dynamic Head
January	14,720		0.000	0			
February	3,360		10.602	397			
March	7,360		9.802	354			
April	22,400		18.691	696			
May	19,520		15.799	585			
June	23,040		18.514	692			
July	25,600		20.185	748			
August	27,200		19.405	716			
September	28,640		19.539	725			
October	27,360		16.227	623			
November	28,320		13.779	579			
December	21,920		14.543	686			
Totals	249,440	0	177.086	6,803	0	0	0

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

13. Average gallons per day 0.484 MG (366 days)

14. Maximum gallons pumped in a day 0.822 MG

15. Date of same, 12-Aug-12

16. Range of pressure in main 21 lbs to 125 lbs

17. Average pressure in main 73 lbs per sq in

Pumping Information - Continued Millbury

18. Kind of coal	
19. Average price per net ton, delivered	
20. Average price of wood per cord, delivered	
21. Average price per gas per M. cubic feet	
22. Average price per gasoline per gallon, delivered	
23. Average price of fuel oil per gallon, delivered	
24. Average price of electric power per Kwhr	$ 0.1167
25. Wood consumed durind the year	
26. Gas consumed during the year	
27. Gasoline consumed during the year	
28. Fuel oil consumed during the year	
29. Electric Power used during the year	249,440 Kwhrs

Pumping Information - Continued Millbury

11. Station Log — Jacques #1 N. Main St. Station

Year and Month 2012	Kwhrs Used	Pounds of coal Burned	Million Gallons of Water Pumped	Hours of Pumping		Average Total Static Head	Average Total Dynamic Head
January	31,300		16.391	754			
February	30,850		15.151	705			
March	28,150		16.896	740			
April	32,600		15.707	728			
May	30,050		11.933	578			
June	24,750		16.600	724			
July	29,250		16.628	750			
August	33,450		16.393	749			
September	35,750		22.945	731			
October	34,600		24.044	750			
November	39,900		23.091	722			
December	39,900		23.587	749			
Totals	390,550	0	223.366	8,680	0	0	0

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

13. Average gallons per day 0.610 MG (366 days)

14. Maximum gallons pumped in a day 0.98 MG

15. Date of same, 5-Aug-12

16. Range of pressure in main 21 lbs to 125 lbs

17. Average pressure in main 73 lbs per sq in

18. Kind of coal

19. Average price per net ton, delivered

20. Average price of wood per cord, delivered

21. Average price per gas per M. cubic feet

22. Average price per gasoline per gallon, delivered

23. Average price of fuel oil per gallon, delivered

24. Average price of electric power per Kwhr $ 0.1148

25. Wood consumed durind the year

26. Gas consumed during the year

27. Gasoline consumed during the year

28. Fuel oil consumed during the year

29. Electric Power used during the year 390,550 Kwhrs

Pumping Information - Continued Millbury

11. Station Log Jacques #2 N. Main St. Station

Year and Month 2012	Kwhrs Used	Pounds of coal Burned	Million Gallons of Water Pumped	Hours of Pumping		Average Total Static Head	Average Total Dynamic Head
January	27,800		12.174	756			
February	32,300		11.003	705			
March	28,350		9.263	623			
April	31,050		10.910	728			
May	25,400		8.901	578			
June	24,300		5.161	361			
July	21,600		9.195	752			
August	21,300		7.552	576			
September	23,550		0.813	77			
October	14,350		0.000	0			
November	1,250		0.000	0			
December	1,350		0.000	0			
Totals	262,600	0	74.972	5,156	0	0	0

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

13. Average gallons per day 0.205 MG (366 days)

14. Maximum gallons pumped in a day 0.493 MG

15. Date of same, 1-Jan-12

16. Range of pressure in main 21 lbs to 125 lbs

17. Average pressure in main 73 lbs per sq in

Pumping Information - Continued Millbury

18. Kind of coal	
19. Average price per net ton, delivered	
20. Average price of wood per cord, delivered	
21. Average price per gas per M. cubic feet	
22. Average price per gasoline per gallon, delivered	
23. Average price of fuel oil per gallon, delivered	
24. Average price of electric power per Kwhr	$ 0.1522
25. Wood consumed durind the year	
26. Gas consumed during the year	
27. Gasoline consumed during the year	
28. Fuel oil consumed during the year	
29. Electric Power used during the year	262,600 Kwhrs

Pumping Information - Continued Oxford

11. Station Log

Total System

Year and Month 2012	Kwhrs Used	Pounds of coal Burned	Million Gallons of Water Pumped	Hours of Pumping		Average Total Static Head	Average Total Dynamic Head
January	37,120		17.816	1,097			
February	39,000		16.845	1,025			
March	40,000		18.718	1,154			
April	45,080		21.734	1,240			
May	41,000		23.304	1,259			
June	48,840		23.535	1,246			
July	47,720		25.455	1,420			
August	53,360		22.431	1,259			
September	57,720		20.194	1,226			
October	36,360		18.105	1,062			
November	39,000		16.458	916			
December	35,400		17.635	973			
Totals	520,600	0	242.230	13,877	0	0	0

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

13. Average gallons per day 0.662 MG (366 days)

14. Maximum gallons pumped in a day 1.167 MG

15. Date of same, 15-Jul-12

16. Range of pressure in main 48 lbs to 112 lbs

17. Average pressure in main 80 lbs per sq in

Pumping Information - Continued Oxford

18. Kind of coal	
19. Average price per net ton, delivered	
20. Average price of wood per cord, delivered	
21. Average price per gas per M. cubic feet	
22. Average price per gasoline per gallon, delivered	
23. Average price of fuel oil per gallon, delivered	
24. Average price of electric power per Kwhr	$ 0.1205
25. Wood consumed durind the year	
26. Gas consumed during the year	
27. Gasoline consumed during the year	
28. Fuel oil consumed during the year	
29. Electric Power used during the year	520,600 Kwhrs

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Pumping Information - Continued Oxford

11. Station Log — North Main St. Well #1

Year and Month 2012	Kwhrs Used	Pounds of coal Burned	Million Gallons of Water Pumped	Hours of Pumping		Average Total Static Head	Average Total Dynamic Head
January	7,200		0.000	0			
February	10,200		0.000	0			
March	13,600		0.000	0			
April	16,600		0.000	0			
May	13,000		0.000	0			
June	21,000		0.160	9			
July	21,000		0.089	5			
August	26,800		0.042	3			
September	29,400		0.000	0			
October	13,000		0.000	0			
November	13,400		0.000	0			
December	10,600		0.000	0			
Totals	195,800	0	0.291	17	0	0	0

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

13. Average gallons per day — 0.001 MG (366 days)

14. Maximum gallons pumped in a day — 0.108 MG

15. Date of same, — 20-Jun-12

16. Range of pressure in main — 48 lbs to 112 lbs

17. Average pressure in main — 80 lbs per sq in

408	North Main St. Well #1	
Annual report of Aquarion Water Company of Massachusetts		Year Ended December 31, 2012
Pumping Information - Continued Oxford		
18. Kind of coal		
19. Average price per net ton, delivered		
20. Average price of wood per cord, delivered		
21. Average price per gas per M. cubic feet		
22. Average price per gasoline per gallon, delivered		
23. Average price of fuel oil per gallon, delivered		
24. Average price of electric power per Kwhr	$ 0.1304	
25. Wood consumed durind the year		
26. Gas consumed during the year		
27. Gasoline consumed during the year		
28. Fuel oil consumed during the year		
29. Electric Power used during the year	195,800 Stations 1, 1A & 2	Kwhrs

Pumping Information - Continued Oxford

11. Station Log North Main St. Well #1A

Year and Month 2012	Kwhrs Used	Pounds of coal Burned	Million Gallons of Water Pumped	Hours of Pumping		Average Total Static Head	Average Total Dynamic Head
January	*		3.192	305			
February	*		2.753	254			
March	*		3.686	330			
April	*		2.425	223			
May	*		0.930	91			
June	*		0.449	44			
July	*		1.252	127			
August	*		1.481	147			
September	*		2.750	277			
October	*		1.216	123			
November	*		0.085	5			
December	*		0.028	3			
Totals	(See station # 1 for totals)		20.247	1,929	0	0	0

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

13. Average gallons per day 0.055 MG (366 days)

14. Maximum gallons pumped in a day 0.306 MG

15. Date of same, 10-Apr-12

16. Range of pressure in main 48 lbs to 112 lbs

17. Average pressure in main 80 lbs per sq in

408	North Main St. Well #1A	
Annual report of Aquarion Water Company of Massachusetts		Year Ended December 31, 2012
Pumping Information - Continued Oxford		
18. Kind of coal		
19. Average price per net ton, delivered		
20. Average price of wood per cord, delivered		
21. Average price per gas per M. cubic feet		
22. Average price per gasoline per gallon, delivered		
23. Average price of fuel oil per gallon, delivered		
24. Average price of electric power per Kwhr	see station #1	
25. Wood consumed durind the year		
26. Gas consumed during the year		
27. Gasoline consumed during the year		
28. Fuel oil consumed during the year		
29. Electric Power used during the year	see station #1	Kwhrs

Pumping Information - Continued Oxford

11. Station Log North Main St. Well #2

Year and Month 2012	Kwhrs Used	Pounds of coal Burned	Million Gallons of Water Pumped	Hours of Pumping		Average Total Static Head	Average Total Dynamic Head
January	*		1.156	56			
February	*		1.545	77			
March	*		2.548	132			
April	*		6.081	290			
May	*		8.698	423			
June	*		9.804	473			
July	*		10.596	536			
August	*		9.172	450			
September	*		4.577	223			
October	*		3.935	196			
November	*		3.916	195			
December	*		4.634	223			
Totals	(See station # 1 for totals)		66.659	3,274	0	0	0

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

13. Average gallons per day 0.182 MG (366 days)

14. Maximum gallons pumped in a day 0.599 MG

15. Date of same, 28-May-12

16. Range of pressure in main 48 lbs to 112 lbs

17. Average pressure in main 80 lbs per sq in

* One electric meter is used for 1, 1A & 2

Pumping Information - Continued Oxford

18. Kind of coal

19. Average price per net ton, delivered

20. Average price of wood per cord, delivered

21. Average price per gas per M. cubic feet

22. Average price per gasoline per gallon, delivered

23. Average price of fuel oil per gallon, delivered

24. Average price of electric power per Kwhr see station #1

25. Wood consumed durind the year

26. Gas consumed during the year

27. Gasoline consumed during the year

28. Fuel oil consumed during the year

29. Electric Power used during the year see station #1 Kwhrs

11. Station Log Nelson St. #3

Year and Month 2012	Kwhrs Used	Pounds of coal Burned	Million Gallons of Water Pumped	Hours of Pumping		Total Static Head	Average Total Dynamic Head
January	29,920		13.468	736			
February	28,800		12.547	694			
March	26,400		12.464	692			
April	28,480		13.228	727			
May	28,000		13.678	745			
June	27,840		13.122	720			
July	26,720		13.518	752			
August	26,560		11.736	659			
September	28,320		12.867	728			
October	23,360		12.954	743			
November	25,600		12.458	716			
December	24,800		12.973	747			
Totals	324,800	0	155.033	8,657	0	0	0

12. Based upon the displacement of_____gallons per revolution with_____per cent allowance for slip____

13. Average gallons per day 0.424 MG (366 days)

14. Maximum gallons pumped in a day 0.546 MG

15. Date of same, 1-Jul-12

16. Range of pressure in main 48 lbs to 112 lbs

17. Average pressure in main 80 lbs per sq in

18. Kind of coal	
19. Average price per net ton, delivered	
20. Average price of wood per cord, delivered	
21. Average price per gas per M. cubic feet	
22. Average price per gasoline per gallon, delivered	
23. Average price of fuel oil per gallon, delivered	
24. Average price of electric power per Kwhr	$ 0.1141
25. Wood consumed durind the year	
26. Gas consumed during the year	
27. Gasoline consumed during the year	
28. Fuel oil consumed during the year	
29. Electric Power used during the year	324,800 Kwhrs

409 Hingham

Annual report of Aquarion Water Company of Massachusetts — Year ended December 31, 2012

DISTRIBUTION INFORMATION

1. Mains

Nominal Diameter, Inches	Kind of Pipe	Weight Per Foot	LENGTHS IN FEET: In Use at Beginning of Year	Taken Up Since	Abandoned But Not Taken Up	Laid Since	In Use at Close of Year
24"	Ductile		10,285				10,285
20"	Lock Joint		13,909				13,909
20"	Cast Iron		26,935				26,935
20"	Cast Iron Cement Lined		277				277
20"	Ductile		10,271				10,271
16"	Lock Joint		112				112
16"	Cast Iron		5,531				5,531
16"	Cast Iron Cement Lined		104				104
16"	Ductile		3,767				3,767
14"	Cast Iron		5,936				5,936
14"	Ductile		110				110
12"	Cast Iron		51,372				51,372
12"	Cast Iron Cement Lined		29,648				29,648
12"	Ductile		45,489			1,245	46,734
12"	Transite		12,602				12,602
10"	Cast Iron		11,459				11,459
8"	Cast Iron		40,531				40,531
8"	Cast Iron Cement Lined		114,469				114,469
8"	Ductile		172,500			1,655	174,155
8"	Transite		45,381				45,381
8"	Steel		70				70
6"	Cast Iron		117,587	308			117,279
6"	Cast Iron Cement Lined		74,764				74,764
6"	Ductile		12,293	996		777	12,074
6"	Transite		89,967				89,967
4"	Cast Iron		31,508				31,508
4"	Cast Iron Cement Lined		77				77
4"	Ductile		12,247				12,247
4"	Galvanized		256				256
4"	Plastic		500				500
3"	Cast Iron		1,323				1,323
3"	Galvanized		82				82
3"	Plastic		525				525
2 1/4"	Cast Iron Cement Lined		38,213				38,213
2"	Steel		400				400
2"	Galvanized		20,810	217			20,593
2"	Plastic		1,272				1,272
1 1/2 "	Galvanized		2,592	143			2,449
1 1/4"	Galvanized		802				802
1"	Plastic		0				0
1"	Copper		339				339
1"	Galvanized		3,831				3,831
3/4"	Galvanized		100				100
3/4"	Copper		49				49
		TOTALS	1,010,295	1,664	0	3,677	1,012,308

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

3. Number of leaks in mains, during the year 27

4. Number of leaks per mile 0.1408

5. Length of mains less than 4 inches in diamater 69,978 miles 13.25

DISTRIBUTION INFORMATION

1. Mains

Nominal Diameter, Inches	Kind of Pipe	Weight Per Foot	LENGTHS IN FEET: In Use at Beginning of Year	Taken Up Since	Abandoned But Not Taken Up	Laid Since	In Use at Close of Year
16	Cast Iron		6,575				6,575
12	C. I. & Ductile		39,123				39,123
10	Cast Iron		17,691				17,691
8	C.I. & Ductile		119,394				119,394
6	C.I. & Ductile		66,752	18		26	66,760
4	Cast Iron		1,323				1,323
3	Cast Iron		935				935
2 1/4	Cast Iron		12,751				12,751
2	Cast Iron		3,605				3,605
8	Transite		1,497				1,497
6	Transite		3,617	8			3,609
2	Plastic		835				835
		TOTALS	274,098	26	0	26	274,098

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

3. Number of leaks in mains, during the year 4

4. Number of leaks per mile 0.0771

5. Length of mains less than 4 inches in diamater 18,126 miles 3.43

409 Oxford

Annual report of Aquarion Water Company of Massachusetts — Year ended December 31, 2012

DISTRIBUTION INFORMATION

1. Mains

Nominal Diameter, Inches	Kind of Pipe	Weight Per Foot	LENGTHS IN FEET: In Use at Beginning of Year	Taken Up Since	Abandoned But Not Taken Up	Laid Since	In Use at Close of Year
12	C.I. & Ductile		29,090				29,090
10	C.I. & Ductile		1,643				1,643
8	C.I. & Ductile		84,075				84,075
6	C.I. & Ductile		55,445			8	55,453
3	C.I. & Ductile		200				200
2 1/4	C.I. & Ductile		3,665				3,665
2	C.I. & Ductile		11,413				11,413
8	Transite		6,275	8			6,267
6	Transite		22,506				22,506
4	Ductile		354				354
2	Plastic		31				31
		TOTALS	214,697	8	0	8	214,697

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

3. Number of leaks in mains, during the year 6

4. Number of leaks per mile 0.1476

5. Length of mains less than 4 inches in diamater 15,309 miles 2.9

DISTRIBUTION INFORMATION

6. Water towers or stand pipes

	Location	Land Area	When Bought	Cost
A	Turkey Hill	23	1963	$4,766
B	Accord Tank			
C	(Accord Tank on land adjacent to Accord Pond - Included there			

	Capacity in Gallons	When Bought	Cost
A	2,000,000	1963	$103,921
B	750,000	1967	$145,359
C			
	2,750,000		

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" - 10"	Copper-W-Steel	0			0
	Plastic Galv	10,365	12		10,353
Installed since 1987		0			0
		0			0
3/4"	Plastic	1	1		0
3/4"	Copper	259			259
1"	Plastic	1,013			1,013
1"	Copper	700		52	752
2"	Plastic	217		10	227
4"	DICL	128			128
6"	DICL	64		13	77
8"	DICL	43		1	44
12"	DICL	1			1
	TOTALS	12,791	13	76	12,854

8. Average length of service pipe 25 feet

9. Average cost of service laid during the year $ 3,157

10. Percentage of services that are metered All except for fire services

11. Percentage in income that is metered

12. Leaks in service during the year 21

13. Are service pipes paid for by consumer, in whole or in part and by what extent? Water company provides labor materials for installation up to 2 inch in size, customer provides all other requirements to install water service including materials over 2 inch in size.

DISTRIBUTION INFORMATION

6. Water towers or stand pipes Millbury

	Location	Land Area	When Bought	Cost
A	Burbank Hill	3.00 Acres	1895	
B				
C				
D				

	Inside Diameter	Capacity in Gallons	When Bought	Cost
A	130'	1,500,000	1895	$25,802
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
10	Cast Iron	1			1
8	Cast Iron Ductile	16			16
6	Cast Iron Ductile	38			38
4	Cast Iron Ductile	5			5
3	Cast Iron	2			2
2 1/4	Cast Iron	7			7
2	Cast Iron	25			25
1 1/4	Cast Iron	4			4
1 1/2	Copper	0			0
3/4	Copper	1,370	5		1,365
3/4	Plastic	612			612
1	Copper	378		2	380
1	Plastic	498	1	7	504
1	Cement Lined	490	1		489
2	Plastic	33			33
2	Copper	2			2
	TOTALS	3,481	7	9	3,483

Also 11 residential services in the Town of Auburn that are included in the above totals

8. Average length of service pipe 27 feet

9. Average cost of service laid during the year $ 4,247

10. Percentage of services that are metered all except fire service

11. Percentage in income that is metered

12. Leaks in service during the year 5

13. Are service pipes paid for by consumer, in whole or in part and by what extent? Water company provides labor materials for installation up to 2 inch in size, customer provides all other requirements to install water service including materials over 2 inch in size.

DISTRIBUTION INFORMATION

6. Water towers or stand pipes

	Location	Land		
		Area	When Bought	Cost
A	N. Main St., Oxford , MA	1 Acre	1905	$319
B		13.4 Acres	1944	$438
C				
D				

	Inside Diameter	Capacity in Gallons	When Bought	
A	27	215,000	1905	
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
8	Cast Iron Ductile	8			8
6	Cast Iron Ductile	12			12
2 1/4	Cast Iron	12			12
2	Galv Iron	0			0
1 1/2	Copper	2			2
1 1/4	Copper	1			1
1	Copper	222		4	226
3/4	Copper	1,514	12		1,502
2	Cast Iron	5			5
4	Cast Iron Ductile	2			2
3/4	Plastic	497	2		495
1	Plastic	541		12	553
2	Plastic	25		2	27
1	Galv Iron	18			18
	TOTALS	2,859	14	18	2,863

8. Average length of service pipe 27 feet

9. Average cost of service laid during the year $ 3,374

10. Percentage of services that are metered all except fire service

11. Percentage in income that is metered

12. Leaks in service during the year 12

13. Are service pipes paid for by consumer, in whole or in part and by what ext Water company provides labor materials for installation up to 2 inch in size, customer provides all other requirements to install water service including materials over 2 inch in size.

DISTRIBUTION INFORMATION - Continued

14. Gates and valves

Nomial Diameter Inches	Kind of Valves	Number in Use at Beginning of Year	Removed Since	Installed Since	Number in Use at Close of Year
24	Butterfly Valves	17			17
20	Butterfly Valves	18			18
16	Butterfly Valves	8			8
14	Butterfly Valves	5			5
12	Butterfly Valves	19			19
12	Check Valve	1			1
20	Gate Valves	11			11
16	Gate Valves	11			11
14	Gate Valves	16			16
12	Gate Valves	304		2	306
10	Gate Valves	32			32
8	Gate Valves	903		14	917
6	Gate Valves	808		7	815
4	Gate Valves	209			209
3	Gate Valves	1			1
2 1/4 - 2 1/2	Gate Valves	86			86
2	Gate Valves	197	1	4	200
1 1/2	Gate Valves	10	1		9
1 1/4	Gate Valves	17			17
1	Gate Valves	275	4		271
3/4	Gate Valves	81			81
	Totals	3,029	6	27	3,050

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

DISTRIBUTION INFORMATION - Continued

14. Gates and valves

Nomial Diameter Inches	Kind of Valves	Number in Use at Beginning of Year	Removed Since	Installed Since	Number in Use at Close of Year
16	Gate Valve	7			7
12	Gate Valve	71			71
10	Gate Valve	25			25
8	Gate Valve	243			243
6	Gate Valve	345			345
4	Gate Valve	3			3
3	Gate Valve	6			6
2 1/4	Gate Valve	31			31
2	Gate Valve	25			25
3/4	Gate Valve	2			2
	Totals	758	0	0	758

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

14. Gates and valves

Nomial Diameter Inches	Kind of Valves	Number in Use at Beginning of Year	Removed Since	Installed Since	Number in Use at Close of Year
12	Gate Valve	57			57
10	Gate Valve	2			2
8	Gate Valve	184			184
6	Gate Valve	294			294
2 1/2	Gate Valve	18			18
2	Gate Valve	11			11
1 1/4	Gate Valve	2			2
1	Gate Valve	8			8
4	Gate Valve	1			1
	Totals	577	0	0	577

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 Outlets	Number in Use at Beginning of Year	Removed Since	Installed Since	Number in Use at Close of Year
4 1/2		0			0
4 1/4		0			0
5		496	5		491
5 1/4		409	4	8	413
	TOTALS	905	9	8	904

16. Were all of the above hydrants purchases and installed at the expense of the company? NO

17. If not, under what arrangement were they purchases and installed? Customer/Town Purchased & Installed
Town Owned

18. 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
5		3			3
4 1/2		0			0
4 1/4		6			6
5		35	1		34
5 1/4		240	1	2	241
Metered		122			122
	TOTALS	406	2	2	406

19. Were all of the above hydrants purchases and installed at the expense of the company? NO

20. If not, under what arrangement were they purchases and installed? Customer/Town Purchased & Installed

DISTRIBUTION INFORMATION - Continued

15. 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
4 1/2	2 - 2 1/2	29	1		28
5	2 - 2 1/2, 1- 4	1			1
5 1/4	2 - 2 1/2, 1- 4	46	1	8	53
4 1/4	2 - 2 1/2, 1- 4	65			65
4 1/2	2 - 2 1/2, 1- 4	61			61
4 3/4	2 - 2 1/2, 1- 4	8			8
4 1/4	2 - 2 1/2, 1- 4	1	Hydrant is located in town of Auburn		1
	TOTALS	211	2	8	217

16. Were all of the above hydrants purchases and installed at the expense of the company? NO

17. If not, under what arrangement were they purchases and installed? Hydrants installed on new main extensions are paid by developers.

18. 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	2 - 2 1/2	28			28
4 1/2	2 - 2 1/2, 1- 4	13			13
4 1/4	2 - 2 1/2, 1- 4	5			5
5 1/4	2 - 2 1/2, 1- 4	62	6		56
	TOTALS	108	6	0	102

19. Were all of the above hydrants purchases and installed at the expense of the company? NO

20. If not, under what arrangement were they purchases and installed? Customer Purchased

DISTRIBUTION INFORMATION - Continued

15. 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
4	2 - 2 1/2	29			29
4	3 - 2 1/2	0			0
4 1/4	2 - 2 1/2, 1- 4	3			3
4 1/2	2 - 2 1/2, 1- 4	76			76
5	2 - 2 1/2, 1- 4	5			5
4	2 - 2 1/2, 1- 4	1			1
5 1/4	2 - 2 1/2, 1- 4	68	1	2	69
	TOTALS	182	1	2	183

16. Were all of the above hydrants purchases and installed at the expense of the company? NO

17. If not, under what arrangement were they purchases and installed? Hydrants installed on new main extensions are paid for by developers.

18. 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	2 - 2 1/2, 1- 4	13			13
5 1/4	2 - 2 1/2, 1- 4	0			0
	TOTALS	13	0	0	13

19. Were all of the above hydrants purchases and installed at the expense of the company? NO

20. If not, under what arrangement were they purchases and installed? Customer Purchased

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						
5/8	11,705	65	1,108	997	11,790	91
3/4	19	49	6	6	19	49
1	356	10	39	29	361	15
1 1/2	75	5		4	76	0
2	152	21	16	15	154	20
3	0	2	0		0	2
4	3	0	0		3	0
6	3	0	0	0	3	0
8	4	0	0	0	4	0
Totals	12,317	152	1,169	1,051	12,410	177

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? Customers do not pay for meters

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						
5/8	3,363	35	399	300	3,406	91
3/4	1	0	0	0	1	0
1	54	5	3	5	55	2
1 1/2	16	4	4	2	17	5
2	46	8	3	2	45	9
3	1	0	0	0	1	0
4	4	0	0	0	4	0
5						
8						
Totals	3,485	52	409	309	3,530	107

22. Has the plant been debited with the first cost of installing the meters in use at close 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? None

Company owned meters at pump stations:

Oak Pond Station 1-8" Honeywell Flow
#1 Jacques 1-8" Chessel Flow
#2 Jacques 1-8" Chessel Flow
5-1" mtrs for make up water - 1-Oak Pond, 1-#1 Jacques, 1-#2 Jacques, 2-Millbury Ave. Filter Plant
Millbury Ave. - 5-6" Primary Flow Signal Flow Meters
Millbury Ave. - 3-8" Primary Flow Signal Flow Meters

DISTRIBUTION INFORMATION - Continued

21. Meters owned by Company

Size Inches	Number at Beginning of Year: In Use	Number at Beginning of Year: On Hand	Bought Since	Condemned Since and Removed	Number at Close of Year: In Use	Number at Close of Year: On Hand
1/2						
5/8	2,507	23	255	250	2,510	25
3/4	0	0	0	0	0	0
1	52	1	1	0	54	0
1 1/2	7	1	0	0	8	0
2	16	0	1	1	16	0
3	0	0	0	0	0	0
4	0	0	0	0	0	0
6	3	0	0	0	3	0
8	0	0	0	0	0	0
Totals	2,585	25	257	251	2,591	25

22. Has the plant been debited with the first cost of installing the meters in use at close of year, al 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? None

Company owned meters at pump stations:
N Main St. & #1A N. Main St.
N. Main St. #1 1-8" Chessel flow
N. Main St. #2 1-8" Chessel flow
Nelson St. #3 1-8" Chessel flow
2-1" Meter for make up water
#1N. Main St.
#3 Nelson St.

Annual report of Aquarion Water Company of Massachusetts

Distribution Information - Concluded

25. Meters owned by Company as of December 31, 2012

		Size (inches)										
Maker	Type	1/2	5/8	3/4	1	1 1/2	2	3	4	6	8	Total
Hersey	Turbine									2		2
Neptune	Disc Pin		11,881	68	376	76	174					12,575
Neptune	Turbine							2	3	1	4	10
Totals		0	11,881	68	376	76	174	2	3	3	4	12,587

Distribution Information - Concluded

25. Meters owned by Company as of December 31, 2012

		Size										
Maker	Type	1/2	5/8	3/4	1	1 1/2	2	3	4	6	8	Total
Neptune	Disc		3,401	1	57	22	55	1				3,537
Badger	Disc		77		0	0						77
Neptune	Turbine								4			4
Kent	Disc		19									19
Rockwell	Disc											
Totals		0	3,497	1	57	22	55	1	4	0	0	3,637

414 Oxford

Annual report of Aquarion Water Company of Massachusetts

Distribution Information - Concluded

25. Meters owned by Company as of December 31, 2012

		Size										
Maker	Type	1/2	5/8	3/4	1	1 1/2	2	3	4	6	8	Total
Neptune	Disc		2,503	0	51	7	14					2,575
Badger	Disc		23		3		2					28
Neptune	Fullcrest									2		2
Rockwell	Disc					1						1
Kent	Disc		9									9
Neptune	Protectus									1		1
Totals		0	2,535	0	54	8	16	0	0	3	0	2,616

415 Hingham

Annual report of Aquarion Water Company of Massachusetts American Water Company Year ended December 31, 2012

CONSUMPTION INFORMATION

	Permanent	Seasonal
1. Estimated total population of territory covered by franchise	32,135	46,709
2. Estimated population reached by the distribution system,	32,135	46,709
3. Estimated population actually supplied,	32,135	46,709

4. Total consumption during the year (1)	1,206,598,000	gallons
5. Average daily consumption (2)	3,296,716	gallons
6. Day on which greatest amount was pumped	16-Jul-12	
7. Gallons pumped on above day	5,669,000	gallons
8. Week during which greatest amount was pumped	7/8/12-7/14/12	
9. Gallons pumped during above week	36,448,600	gallons
10. Gallons per day per service (3)	204	gallons
11. Consumption metered	927,663,000	gallons
12. Consumption metered	76.9%	Per cent of total consumption

13. Customers

Number being Supplied at Beginning of Year	Disconnected Since	Connected Since	Number being Supplied at Close of Year
12,740	0	108	12,848

Name of City, Town or District	Number of Customers as of December 31, 2012
Hingham	7,932
Hull	4,590
Cohasset	326

(1) Represents Total Water Production During the Year including purchased water
(2) Represents Average Daily Production
(3) Represents Metered Consumption per day per Customer, excluding Fire services.

CONSUMPTION INFORMATION

1. Estimated total population of territory covered by franchise,	13,261
2. Estimated population reached by the distribution system,	8,436
3. Estimated population actually supplied,	8,436
4. Total consumption during the year (1)	570,696,000 gallons
5. Average daily consumption (2)	1,559,279 gallons
6. Day on which greatest amount was pumped	15-Jul-12
7. Gallons pumped on above day	2,589,000 gallons
8. Week during which greatest amount was pumped	w/e: July 8,2012
9. Gallons pumped during above week	13,782,000 gallons
10. Gallons per day per service (3)	398 gallons
11. Consumption metered	513,730,000 gallons
12. Consumption metered	90.02% Per cent of total consumption

13. Customers

Number being Supplied at Beginning of Year	Disconnected Since	Connected Since	Number being Supplied at Close of Year
3,603		65	3,668

Name of City, Town or District	Number of Customers as of December 31, 2012
Millbury	3,668

(1) Represents Total Water Production During the Year
(2) Represents Average Daily Production
(3) Represents Metered Consumption per day per Customer, excluding Fire Services.

416 Oxford

Annual report of Massachusetts American Water Company — Year ended December 31, 2012

CONSUMPTION INFORMATION

1. Estimated total population of territory covered by franchise,	12,506	
2. Estimated population reached by the distribution system,	6,195	
3. Estimated population actually supplied,	6,195	
4. Total consumption during the year (1)	242,230,000	gallons
5. Average daily consumption (2)	661,831	gallons
6. Day on which greatest amount was pumped	15-Jul-12	
7. Gallons pumped on above day	1,167,000	gallons
8. Week during which greatest amount was pumped	w/e: July 15,2012	
9. Gallons pumped during above week	6,699,000	gallons
10. Gallons per day per service (3)	203	gallons
11. Consumption metered	192,301,000	gallons
12. Consumption metered	79.39%	Per cent of total consumption

13. Customers

Number being Supplied at Beginning of Year	Disconnected Since	Connected Since	Number being Supplied at Close of Year
2,617		8	2,625

Name of City, Town or District	Number of Customers as of December 31,2012
Oxford	2,625

(1) Represents Total Water Production During the Year
(2) Represents Average Daily Production
(3) Represents Metered Consumption per day per Customer, excluding Fire Services.

CONSUMPTION INFORMATION - Concluded

By Meter... SEE ATTACHED RATE TARIFF SHEETS DATED April 1, 2012 and November 1, 2012

.....

.....

.....

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?.....

THIS RETURN IS SIGNED UNDER THE PENALTIES OF PERJURY

Donald J. Morrissey — *Executive Vice President, Treasurer, Secretary and Clerk*

Charles V. Firlotte — *Director*

Donald J. Morrissey — *Director*

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

STATE OF CONNECTICUT

COUNTY OF FAIRFIELD ~~as~~ Bridgeport, March 27, 2013

Then personally appeared Donald J. Morrissey, Exec. VP, Treasurer, Secretary, Clerk & Director of Aquarion Water Company of Massachusetts, and Charles V. Firlotte, Director of Aquarion Water Company of Massachusetts.

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

Georgeanne F. Berg

Signature

11/30/16

Expiration of Commission

Notary Public ~~or Justice of the Peace~~

GEORGEANNE F. BERG
NOTARY PUBLIC
MY COMMISSION EXPIRES NOV. 30, 2016