

WATER AND SEWER COMMITTEE MEETING MINUTES

TUESDAY, APRIL 10, 2018

In attendance: John Scenna (Chair) – Director of Public Works, Art Flavin – Treasurer, Elena Proakis Ellis – City Engineer, Scott Forbes – BOA Representative, Patrick Dello Russo – CFO/Auditor, Ken Truesdale and Mary Werler – Citizen Committee Members, Donna Cardillo – Enterprise Fund Manager, Lisa Patterson – Water and Sewer Administrator, Amy Heidebrecht - Clerk, Gerry Mroz.

The meeting was opened at 3:08 PM.

1. PAST MEETING MINUTES

John Scenna presents a draft of the meeting minutes from Tuesday, February 27th which had been emailed to the Committee members in advance of the meeting.

Art Flavin makes a motion to accept the set of minutes. Patrick Dello Russo seconds. All approved the set of minutes.

2. PUBLIC PARTICIPATION

Patrick Dello Russo makes a motion to open public participation and Scott Forbes seconds. All approved.

Gerry Mroz from 62 Mt. Vernon Street asks the Committee to set the rates according to the cost of service for the system because he believes this is the only way for the City not to be affected negatively if we have a wet summer. He states that the tiered system is unfair and says that the City should be paying for their water. He also asks that we continue to invest in trying to improve I/I and use MWRA no-interest loans to pay for it. He adds that we should educate the public more on I/I, too.

Scott Forbes makes a motion to close public participation. Patrick Dello Russo seconds. All were in favor.

3. PREPARATION ON FY19 RATES

John Scenna passes out our rate history that Donna Cardillo and Patrick Dello Russo put together (see attached). He also hands out the rate Orders that go along with the history (see attached) that serve as back up to the rate summary. John points out that 2012 was the year that the rates were raised twice. He also says that 2014 was the year that we first brought in a consultant. He reminds the Committee that the purpose of this meeting is to understand the model and all the components that go into it. Elena Proakis Ellis and Donna Cardillo will go over that information with our consultant. John explains that we will vote on rates at our April 24th meeting and send them to the Board of Alderman for their May 7th meeting. He continues that there are five main components to the rate: operating budget (including the MWRA assessments), debt/interest, reserves, indirect expenses and discount programs.

John also hands out a draft spreadsheet (see attached) that contains line items from our operating budget from FY18 and proposed FY19 for comparison. John explains that the proposed FY19 is estimated and includes the MWRA costs. John comments that sewer is up 1.7%, salary and wages are relatively flat, postage is reduced and electricity has gone up. The water budget is up 1.4% and includes the MWRA assessment, salaries are up 2.5% and postage is reduced again. He continues that maintenance items are up due to the issues found during our flushing program, we have 60 to 70 lead services that we will continue to replace, logging as-builts and inspecting the City for backflow preventers are all part of that number. The last sheet is the proposed debt and payment (see attached). He adds that this does not include any new debt for FY19, it is what is on the books today. All of this goes into the model and drives the rate. John says that anything we propose this year to the Alderman as an authorization to borrow does not impact the rates for FY19; it would impact when we made our first payment which would be FY20.

Ken Truesdale asks about the Malden Route 99 water line item. John Scenna explains that water service to properties in Melrose on Route 99 is fed by Malden; there is no interconnection between the Melrose system and the water main on Route 99. There is a master meter and a manhole at the city line. We pay Malden for that water and we collect from the Melrose customers. Art Flavin points out that it is the opposite for areas of Stoneham and Wakefield, where the City of Melrose bills them for water use for some of their residents. Waste Management and Aggregate were the main consumers on Route 99 and that number has decreased significantly over the past couple of years because they are relying more on pumping water from the quarry. Mary Werler asks if we have some history on those figures. Elena Proakis Ellis says it was approximately \$60,000 in FY16 and decreased to \$40,000 in FY17 and FY18, based on the data in the model.

Patrick Dello Russo reports that the current reserve is \$611,925 in water and \$860,371 in sewer. The objective is to have 10% of our total operating budget as reserves. In order to get to that exact 10%, we would use the existing retained earnings that are currently available and do an appropriation from them as retained earnings to bring up the reserve to \$613,718 for water and \$876,659 for sewer. Therefore we would not have to raise any reserves in the FY19 budget. Donna asks when we started raising reserves. Scott Forbes says that it was for FY14 that consultants originally wanted us to raise 20% for reserves and we decided that 10% was enough. Alderman Forbes points out that we were able to reach our goal a year early, in year four of our five year plan. Elena Proakis Ellis clarifies that this would take approximately \$16,000 in sewer and \$2000 in water from existing retained earnings and put them in reserves in order to make them whole.

Patrick Dello Russo explains that we provide a budget package to the Board of Alderman using a template from Department of Revenue. In FY18, indirect expenses were \$915,085 for water and are proposed to be \$918,163 for FY19. The sewer indirect cost line item was \$709,104 in FY18 and is proposed to be \$712,551 in FY19. Patrick says that the percentage of indirect costs compared to the total water and sewer budget is 10.9%, which is the lowest it has been in five years. He adds that the average of the five years is 11.4%.

John Scenna says that after inputting all of this, we are probably looking at approximately a 1.5% increase in the volumetric rate for water and no change to the water base fee. For sewer, we are likely to have no change in the volumetric rate and an increase in the sewer base fee going from 6% of the revenue requirements to 8%.

Elena Proakis Ellis walks everyone through the model. She explains that the base fees for water are calculated by the model at 10% of the operating budget. Elena says when we started two years ago, the base fees for sewer were only 2% of the total budget and the consultant said it was too low. The first year that the consultant was involved we raised the sewer base fee to 4%, then last year we raised it to 6%, and now we have inputted 8% as we move towards the targeted 10%. Elena adds that when the consultant built the model, they went back to FY14 and projected out to 2023. She continues that everything we have entered to date results in a 1.42% volumetric increase in water and no change to the base fees. On sewer you can see that the model is showing no increase on the volumetric rates and the reason is that any increase that we had on the debt or on the operating budget or elsewhere is adequately covered by the 2% increase of the base fees.

Alderman Forbes asks if Elena she can check with the consultant what the impact would be if the tier cutoff point was increased to 2200 cubic feet. Ken Truesdale asks if instead of having a specific number, we can ask how to change the number ourselves to add some flexibility while discussing options. Elena agrees that she will go over that with the consultant before our next meeting.

Donna Cardillo goes over the impact of the rate increase (see attached). At a 1.5% volumetric increase to water and no increase to the water base fees, and zero volumetric increase to sewer and with a 2% increase on sewer base fees, the average customer with a 5/8" meter using 1500 cubic feet per quarter will see a \$7.20 quarterly increase. Donna adds that 82% of our quarterly reads are using 2500 cubic feet and under. She also explains that a customer with an irrigation meter would pay approximately \$10.14 more if they are using roughly 2000 cubic feet in the summer.

John Scenna mentions that this is much better than when we had to raise the rate 7.08% in 2015 or in 2016 when we had a 5.5% increase. He says that when we meet again on April 24th at 7:00 PM, we will vote on a rate and discuss authorizations to borrow. Alderman Forbes asks if we have a cap on borrowing from the MWRA. Elena Proakis Ellis says that we have a cap on what they offer at each phase, but the MWRA Advisory Board is making a recommendation to increase the allocation from \$160 million to \$200 million to be split up between the communities for I/I projects. The MWRA Advisory Board is also recommending to offer more money at zero percent interest only to the communities that spent their I/I money, but with no grant component. The City also presently has money available from MWRA in the water loan program.

Patrick Dello Russo moves to close the meeting. Mary Werler seconds. All were in favor.

The meeting was adjourned at 4:28 PM.

Fiscal Year 2019 Water/Sewer Rate Increase Impact

4/10/18

- Increase Water volumetric by 1.5%

- No increase to Water Base Fees.

- Increase Sewer volumetric by 0%

- Increase Sewer base fee from 6% to 8% of sewer operating budget. Goal is 10% to match water base fee.

FY2018 Current Rates

Water Rates		Sewer Rates	
Base Fee to 1 inch	\$16.60	Base Fee to 1 inch	\$14.25
Base Fee 1.5 inch	\$64.72	Base Fee 1.5 inch	\$55.93
Base Fee 2.0 inch	\$100.81	Base Fee 2.0 inch	\$87.19
Base Fee 3.0 inch	\$185.02	Base Fee 3.0 inch	\$160.13
1st Step: 1 - 2000 cf	\$6.34	1st Step: 1 - 2000 cf	\$11.62
2nd Step: >2000 cf	\$8.62	2nd Step: >2000 cf	\$14.64

Proposed FY2019 Rates

Water Rates		Sewer Rates	
Base Fee to 1 inch	\$16.60	Base Fee to 1 inch	\$19.95
Base Fee 1.5 inch	\$64.72	Base Fee 1.5 inch	\$78.48
Base Fee 2.0 inch	\$100.81	Base Fee 2.0 inch	\$122.36
Base Fee 3.0 inch	\$185.02	Base Fee 3.0 inch	\$224.77
1st Step: 1 - 2000 cf	\$6.44	1st Step: 1 - 2000 cf	\$11.62
2nd Step: >2000 cf	\$8.75	2nd Step: >2000 cf	\$14.64

Average Customer (standard 5/8 inch meter with no irrigation meter)

Usage (with 5/8 inch meter)	Indoor Usage 90% sewer	Irrigation Usage (no sewer)	FY18 Rate Qtrly Bill	FY19 Rate Qtrly Bill	Qtrly Water Bill Increase Amt
500 cubic ft	500	0	\$114.84	\$121.04	\$6.20
700 cubic ft	700	0	\$148.44	\$154.84	\$6.40
900 cubic ft	900	0	\$182.03	\$188.63	\$6.60
1000 cubic ft	1,000	0	\$198.83	\$205.53	\$6.70
1200 cubic ft	1,200	0	\$232.45	\$239.33	\$6.88
1500 cubic ft	1,500	0	\$282.82	\$290.02	\$7.20
1800 cubic ft	1,800	0	\$333.21	\$340.71	\$7.50
2000 cubic ft	2,000	0	\$366.81	\$374.51	\$7.70
2500 cubic ft	2,500	0	\$469.75	\$478.10	\$8.35
3500 cubic ft	3,500	0	\$687.71	\$697.36	\$9.65
4000 cubic ft	4,000	0	\$796.69	\$807.44	\$10.75
6000 cubic ft	6,000	0	\$1,232.61	\$1,245.51	\$12.90
8000 cubic ft	8,000	0	\$1,668.53	\$1,684.03	\$15.50

Irrigation Meter Customer (2nd meter base fee, 100% sewer on indoor use)

Usage (with 5/8 inch meter)	Indoor Usage 100% sewer	Irrigation Usage (no sewer)	FY18 Rate Qtrly Bill	FY19 Rate Qtrly Bill	Qtrly Water Bill Increase Amt
2500 cubic ft	500	2,000	\$275.45	\$283.80	\$8.35
2700 cubic ft	700	2,000	\$315.93	\$324.54	\$8.61
2900 cubic ft	900	2,000	\$356.41	\$365.28	\$8.87
3000 cubic ft	1,000	2,000	\$376.65	\$385.65	\$9.00
3200 cubic ft	1,200	2,000	\$417.13	\$426.39	\$9.26
3500 cubic ft	1,500	2,000	\$477.85	\$487.50	\$9.65
3800 cubic ft	1,800	2,000	\$538.47	\$548.61	\$10.14
4000 cubic ft	2,000	2,000	\$579.05	\$589.35	\$10.30
4500 cubic ft	2,500	2,000	\$695.35	\$706.30	\$10.95
5500 cubic ft	3,500	2,000	\$927.95	\$940.20	\$12.25

High Volume 2 inch meter customers

Usage (with 2 inch meter)	Indoor Usage 90% sewer	Irrigation Usage (no sewer)	FY18 Rate Qtrly Bill	FY19 Rate Qtrly Bill	Qtrly Water Bill Increase Amt
4000 cubic ft	4,000	0	\$953.84	\$993.61	\$39.77
6000 cubic ft	6,000	0	\$1,389.76	\$1,432.13	\$42.37
8000 cubic ft	8,000	0	\$1,825.68	\$1,870.65	\$44.97
12000 cubic ft	12,000	0	\$2,697.52	\$2,747.69	\$50.17
24000 cubic ft	24,000	0	\$5,313.04	\$5,378.81	\$65.77
40000 cubic ft	40,000	0	\$8,800.40	\$8,886.97	\$86.57
75000 cubic ft	75,000	0	\$16,429.00	\$16,561.07	\$132.07
90000 cubic ft	90,000	0	\$19,698.40	\$19,849.97	\$151.57
175000 cubic ft	175,000	0	\$38,225.00	\$38,487.07	\$262.07

* Bill Amounts do not include Trash fee.

Massachusetts Water Resources Authority
Proposed FY19 Water and Sewer Assessments

14-Feb-18

MWRA Fully Served Water and Sewer Customers	Final FY18 Water Assessment	Proposed FY19 Water Assessment	Percent Change from FY18	Final FY18 Sewer Assessment	Proposed FY19 Sewer Assessment	Percent Change from FY18	Final FY18 Combined Assessment	Proposed FY19 Combined Assessment	Dollar Change from FY18	Percent Change from FY18
ARLINGTON	\$5,218,727	\$5,245,583	0.5%	\$8,338,483	\$8,728,350	4.7%	\$13,557,210	\$13,973,933	\$416,723	3.1%
BELMONT	2,808,748	2,888,066	-1.4%	4,923,085	5,138,442	4.4%	7,822,813	8,004,508	174,695	2.2%
BOSTON (B/WSC)	85,905,357	81,810,450	6.6%	135,874,820	142,875,448	4.9%	221,880,177	234,285,898	12,405,721	5.6%
BROOKLINE	8,808,844	7,089,044	4.1%	12,878,537	13,005,380	0.2%	19,785,381	20,094,424	309,043	1.6%
CHELSEA	4,277,382	4,865,379	13.7%	7,717,861	8,370,429	8.5%	11,995,243	13,235,808	1,240,566	10.3%
EVERETT	5,182,485	5,505,884	6.2%	8,378,885	8,852,283	6.8%	13,561,350	14,457,977	896,627	6.6%
FRAMINGHAM	8,003,044	8,284,904	3.3%	13,063,058	13,547,744	3.7%	21,066,100	21,812,648	746,548	3.5%
LEXINGTON	7,246,531	7,179,738	-0.9%	7,402,879	7,834,388	3.1%	14,849,510	14,814,106	164,596	1.1%
MALDEN	6,782,868	7,170,888	6.0%	13,307,855	13,620,845	2.4%	20,070,623	20,791,541	720,918	3.6%
MEDFORD	6,383,281	6,509,227	2.0%	12,118,702	12,458,270	2.8%	18,501,983	18,968,497	466,514	2.5%
MELROSE	2,854,570	2,918,148	2.2%	6,387,893	6,574,047	2.9%	9,242,463	9,492,195	249,732	2.7%
MILTON	3,495,841	3,488,203	-0.2%	5,450,348	5,606,338	2.9%	8,946,189	9,094,541	148,352	1.7%
NEWTON	12,891,580	12,167,888	-5.6%	21,760,724	22,520,341	3.5%	34,652,284	34,688,228	35,945	0.1%
NORWOOD	3,703,382	4,093,888	10.5%	7,436,847	7,884,327	3.3%	11,140,239	11,778,315	638,076	5.7%
QUINCY	12,189,555	12,085,487	-0.9%	20,574,282	20,873,432	1.5%	32,773,837	32,958,899	185,062	0.6%
READING	2,211,234	2,313,593	4.6%	4,938,434	5,135,729	4.0%	7,150,668	7,449,322	298,654	4.2%
REVERE	4,896,715	5,222,879	6.7%	10,775,969	10,850,970	0.7%	15,872,684	16,073,849	401,265	2.6%
SOMERVILLE	7,828,895	8,113,788	2.3%	18,508,258	17,235,538	4.4%	24,436,951	25,349,307	912,356	3.7%
STONEHAM	3,027,480	3,144,316	3.9%	4,800,334	4,858,087	1.3%	7,827,814	7,802,383	174,589	2.3%
WALTHAM	8,038,537	8,378,830	3.8%	13,521,864	13,911,209	2.8%	22,560,201	23,290,039	729,838	3.2%
WATERTOWN	3,388,389	3,723,198	9.9%	8,103,814	8,415,582	5.1%	8,492,303	10,138,780	646,477	6.8%
WINTHROP	1,815,822	1,711,170	5.9%	3,395,228	3,598,041	5.9%	5,011,050	5,307,211	296,161	5.9%
TOTAL	\$205,944,947	\$214,668,330	4.2%	\$345,658,936	\$369,194,180	3.9%	\$551,603,883	\$573,862,510	\$22,258,627	4.0%

MWRA Sewer and Partial Water Customers	Final FY18 Water Assessment	Proposed FY19 Water Assessment	Percent Change from FY18	Final FY18 Sewer Assessment	Proposed FY19 Sewer Assessment	Percent Change from FY18	Final FY18 Combined Assessment	Proposed FY19 Combined Assessment	Dollar Change from FY18	Percent Change from FY18
CANTON	\$2,538,303	\$1,887,785	-25.8%	\$4,210,854	\$4,433,841	5.3%	\$6,749,157	\$6,321,626	(\$427,521)	-6.3%
NEEDHAM	1,109,794	882,282	-22.3%	5,889,788	6,227,150	5.7%	6,998,590	7,089,412	89,822	1.3%
STOUGHTON	253,810	182,802	-35.8%	5,031,822	5,098,423	1.3%	5,285,632	5,281,025	(\$4,607)	-0.5%
WAKEFIELD	2,188,915	2,148,037	-1.0%	6,075,836	6,340,829	4.4%	8,264,751	8,489,868	244,215	3.0%
WELLESLEY	1,742,278	1,498,483	-14.1%	5,801,602	5,787,189	3.5%	7,343,880	7,293,972	(\$49,908)	-0.7%
WILMINGTON	776,226	506,787	-34.7%	2,804,912	2,835,835	4.7%	3,581,138	3,442,832	(\$138,508)	-3.9%
WINCHESTER	2,121,828	1,854,033	-12.6%	4,144,555	4,359,186	5.2%	6,266,381	6,213,219	(\$53,162)	-0.8%
WOBURN	3,836,173	3,200,207	-12.0%	9,448,448	9,545,238	1.0%	13,084,619	12,745,443	(\$340,178)	-2.6%
TOTAL	\$14,348,325	\$12,119,216	-15.8%	\$43,208,823	\$44,737,789	3.5%	\$57,557,148	\$56,857,065	(\$700,143)	-1.2%

MWRA Sewer-only Customers	Final FY18 Water Assessment	Proposed FY19 Water Assessment	Percent Change from FY18	Final FY18 Sewer Assessment	Proposed FY19 Sewer Assessment	Percent Change from FY18	Final FY18 Combined Assessment	Proposed FY19 Combined Assessment	Dollar Change from FY18	Percent Change from FY18
ASHLAND				\$2,582,423	\$2,718,113	4.9%	\$2,582,423	\$2,718,113	\$126,690	4.9%
BEDFORD				3,546,882	3,882,249	3.8%	3,546,882	3,882,249	335,367	3.8%
BRAINTREE				9,599,185	9,831,348	2.4%	9,599,185	9,831,348	232,163	2.4%
BURLINGTON				5,288,375	5,578,769	5.5%	5,288,375	5,578,769	290,394	5.5%
CAMBRIDGE				24,713,139	25,708,249	4.0%	24,713,139	25,708,249	995,110	4.0%
DEDHAM				5,482,446	5,843,548	2.9%	5,482,446	5,843,548	361,100	2.9%
HINGHAM SEWER DISTRICT				1,848,255	1,918,587	3.8%	1,848,255	1,918,587	70,342	3.8%
HOLBROOK				1,804,868	1,841,814	2.1%	1,804,868	1,841,814	37,148	2.1%
NATICK				5,924,062	6,029,384	1.8%	5,924,062	6,029,384	105,302	1.8%
RANDOLPH				6,339,800	6,588,854	3.9%	6,339,800	6,588,854	249,054	3.9%
WALPOLE				3,821,880	4,025,025	5.3%	3,821,880	4,025,025	203,145	5.3%
WESTWOOD				2,777,442	3,014,020	8.5%	2,777,442	3,014,020	236,578	8.5%
WEYMOUTH				12,036,129	12,885,486	5.4%	12,036,129	12,885,486	649,357	5.4%
TOTAL				\$85,770,684	\$89,263,234	4.1%	\$85,770,684	\$89,283,234	\$3,492,550	4.1%

MWRA Water-only Customers	Final FY18 Water Assessment	Proposed FY19 Water Assessment	Percent Change from FY18	Final FY18 Sewer Assessment	Proposed FY19 Sewer Assessment	Percent Change from FY18	Final FY18 Combined Assessment	Proposed FY19 Combined Assessment	Dollar Change from FY18	Percent Change from FY18
LYNNFIELD WATER DISTRICT	\$748,810	\$766,820	2.4%				\$748,810	\$766,820	\$18,210	2.4%
MARBLEHEAD	2,469,780	2,549,972	3.2%				2,469,780	2,549,972	80,212	3.2%
NAHANT	537,898	498,917	-7.0%				537,898	498,917	(\$37,779)	-7.0%
SAUGUS	3,953,935	4,048,125	2.3%				3,953,935	4,048,125	92,189	2.3%
SOUTHBOROUGH	997,207	872,861	-12.5%				997,207	872,861	(\$124,346)	-12.5%
SWAMPSCOTT	1,892,557	2,038,458	7.6%				1,892,557	2,038,458	143,901	7.6%
WESTON	2,818,905	2,511,257	-10.9%				2,818,905	2,511,257	(\$307,648)	-10.9%
TOTAL	\$13,418,870	\$13,283,410	-1.0%				\$13,418,870	\$13,283,410	(\$135,260)	-1.0%

MWRA Partial Water-only Customers	Final FY18 Water Assessment	Proposed FY19 Water Assessment	Percent Change from FY18	Final FY18 Sewer Assessment	Proposed FY19 Sewer Assessment	Percent Change from FY18	Final FY18 Combined Assessment	Proposed FY19 Combined Assessment	Dollar Change from FY18	Percent Change from FY18
DEDHAM-WESTWOOD WATER DISTRICT	\$295,784	\$155,323	-47.5%				\$295,784	\$155,323	(\$140,471)	-47.5%
LYNN (LWSC)	326,368	322,354	-1.2%				326,368	322,354	(\$4,014)	-1.2%
MARLBOROUGH	4,902,062	5,863,194	19.8%				4,902,062	5,863,194	961,132	19.6%
NORTHBOROUGH	1,240,284	1,280,283	3.2%				1,240,284	1,280,283	39,999	3.2%
PEABODY	1,939,097	4,192,883	116.2%				1,939,097	4,192,883	2,253,886	116.2%
TOTAL	\$8,703,615	\$11,814,137	35.7%				\$8,703,615	\$11,814,137	\$3,110,522	35.7%
SYSTEMS TOTAL	\$242,415,557	\$251,885,083	3.9%	\$474,638,443	\$493,195,203	3.9%	\$717,054,000	\$745,080,296	\$28,026,296	3.9%

Public Works Sewer

DRAFT WORKING DOCUMENT DPW 4/6/2018

	FY18	FY19	notes
51 SALARY & WAGES			
Salary & Wages	\$442,630	\$440,243	-0.5%
PT S&W	\$15,900	\$15,900	0.0%
Overtime	\$27,825	\$27,825	0.0%
			MAPWE CBA
52 CONTRACTUAL			
Postage	\$33,250	\$28,000	-18.8%
Electric	\$16,995	\$17,845	4.8%
Construction	\$45,000	\$45,000	0.0%
Consult	\$5,000	\$5,000	0.0%
Code Red	\$7,875	\$7,875	0.0%
Repairs	\$45,000	\$45,000	0.0%
Pump Sta	\$45,000	\$45,000	0.0%
Audit Serv	\$10,000	\$10,000	0.0%
Prof Serv	\$25,000	\$25,000	0.0%
MWRA Asses	\$6,438,677	\$6,574,047	2.1%
			preliminary assessment
53 SUPPLIES & MATERIALS			
Office Sup	\$850	\$850	0.0%
Gas & Oil	\$11,850	\$11,850	0.0%
Clean Sup	\$6,695	\$6,695	0.0%
Tools	\$9,500	\$9,500	0.0%
Sand & Grave	\$4,500	\$4,500	0.0%
Clothing	\$3,800	\$3,800	0.0%
Gloves	\$1,000	\$1,000	0.0%
Patching	\$8,750	\$8,750	0.0%
Cement	\$5,750	\$5,750	0.0%
Pipes	\$12,875	\$13,261	2.9%
Equip PTS	\$19,055	\$20,125	5.3%
			material increases aging fleet .. Backhoe
54 OTHER CHARGES			
Prof Devel	\$2,300	\$2,300	0.0%
55 CAPITAL OUTLAY			
PW Vehicle & Equipment	\$68,129	\$68,129	0.0%
			Year 4 of 5 Vactor Lease

TOTAL FY18 Sewer Budget: \$7,313,206
 TOTAL FY19 Sewer Budget: \$7,443,245

1.7%

Public Works Water

DRAFT WORKING DOCUMENT DPW 4/6/2018

	FY18	FY19	
51 SALARY & WAGES			
Salary & Wages	\$756,998	\$776,914	2.6%
PT S&W	\$15,900	\$15,900	0.0%
Overtime	\$68,250	\$68,250	0.0%
			MAPWE CBA summer employment program MAPWE CBA
52 CONTRACTUAL			
Postage	\$33,250	\$28,000	-18.8%
Hydrant Flushing	\$30,000	\$32,500	7.7%
Electric	\$13,390	\$14,060	4.8%
Gas Heat	\$4,635	\$4,867	4.8%
Construct	\$54,000	\$54,000	0.0%
Consult	\$18,500	\$18,500	0.0%
Code Red	\$8,000	\$8,000	0.0%
Leak Det	\$17,500	\$17,500	0.0%
Wat Replac	\$54,000	\$65,000	16.9%
Repairs	\$46,500	\$46,500	0.0%
Backflow	\$17,500	\$17,500	0.0%
Pump Sta	\$15,250	\$15,250	0.0%
Audit Serv	\$10,000	\$10,000	0.0%
Professional Services	\$32,500	\$32,500	0.0%
MWRA Asses	\$2,865,865	\$2,918,148	1.8%
Malden Rte 99 Water	\$40,000	\$25,000	-60.0%
Safe Drink	\$10,000	\$10,000	0.0%
			monthly billing pilot to cont.; estimated 30% participation, closer to 20% continue making repairs identified in 2018 flushing rate increases rate increases
			continue replacement of substandard lead services
			new citywide inspections system repairs
			as-builts; Flushing Manuals; Model Runs & New Capital Prgm Preliminary Assessment
53 SUPPLIES & MATERIALS			
Office Sup	\$1,250	\$1,250	0.0%
Gas & Oil	\$24,720	\$22,750	-8.7%
Tools	\$12,500	\$12,500	0.0%
Sand & Grave	\$3,605	\$3,605	0.0%
Clothing	\$9,150	\$9,150	0.0%
Patching	\$25,235	\$25,235	0.0%
Pipes	\$61,800	\$61,800	0.0%
Hydrants	\$40,800	\$40,800	0.0%
Wat Meters	\$21,700	\$18,500	-17.3%
Equip Parts	\$27,250	\$27,250	0.0%
			Meter Equipment Annual Support Contract
Capital Outlay	\$0	\$0	n/a
54 OTHER CHARGES			
Professional Development	\$4,100	\$4,100	0.0%
			new staff training

TOTAL FY18 Water Budget:

\$4,344,148

TOTAL FY19 Water Budget:

\$4,405,328

1.4%

4/10/18

Water/Sewer Rate History (Fiscal Year 2012 to 2018)

Fiscal Year	Notes	Rate Description	Category	Rate
FY2012	1 rate for residential	Water Rate	Residential	5.25
	1 rate for commercial	Sewer Rate (90% of consumption)	Residential	9.35
	Residential was charged 90% consumption	Water Rate	Commercial	6.45
	Commercial was charged 100% consumption	Sewer Rate (100% of consumption)	Commercial	9.35
FY2013		Water Rate	Residential	5.75
		Sewer Rate (90% of consumption)	Residential	9.90
		Water Rate	Commercial	7.10
		Sewer Rate (100% of consumption)	Commercial	9.90
FY2014	Went to 3 tiered rate structure	Water Rate Tier 1 (1 - 2000 cf)	All	5.31
	Base fees are introduced	Water Rate Tier 2 (2001 - 10,000 cf)	All	7.09
	sewer billed at 100% of consumption	Water Rate Tier 3 (>10,000 cf)	All	7.90
		Sewer Rate Tier 1 (1 - 2000 cf)	All	8.87
		Sewer Rate Tier 2 (2001 - 10,000 cf)	All	10.81
		Sewer Rate Tier 3 (>10,000 cf)	All	11.34
FY2015	3 tiered rate structure with base fees	Water Rate Tier 1 (1 - 2000 cf)	All	5.65
	sewer billed at 100% of consumption	Water Rate Tier 2 (2001 - 10,000 cf)	All	7.55
		Water Rate Tier 3 (>10,000 cf)	All	8.41
		Sewer Rate Tier 1 (1 - 2000 cf)	All	9.72
		Sewer Rate Tier 2 (2001 - 10,000 cf)	All	11.82
FY2016	3 tiered rate structure with base fees	Water Rate Tier 1 (1 - 2000 cf)	All	6.07
	sewer billed at 100% of consumption	Water Rate Tier 2 (2001 - 10,000 cf)	All	8.12
		Water Rate Tier 3 (>10,000 cf)	All	9.04
		Sewer Rate Tier 1 (1 - 2000 cf)	All	10.21
		Sewer Rate Tier 2 (2001 - 10,000 cf)	All	12.41
FY2017	went to 2 tiered rate structure with base fees (larger meters pay more)	Water Rate Tier 1 (1 - 2000 cf)	All	6.34
	sewer billed at 90% of consumption	Water Rate Tier 2 (>2000 cf)	All	8.62
		Sewer Rate Tier 1 (1 - 2000 cf)	All	11.62
		Sewer Rate Tier 2 (>2,000 cf)	All	14.64
FY2018	2 tiered rate structure with base fees (larger meters pay more)	Water Rate Tier 1 (1 - 2000 cf)	All	6.34
	sewer billed at 90% of consumption	Water Rate Tier 2 (>2000 cf)	All	8.62
		Sewer Rate Tier 1 (1 - 2000 cf)	All	11.62
		Sewer Rate Tier 2 (>2,000 cf)	All	14.64

Fiscal Year	Base Fee Description	Base Fee Water	Base Fee Sewer
FY2012			
FY2013			
FY2014	up to 1 inch	15.00	5.00
	1.5 inch	50.00	25.00
	2 inch	80.00	40.00
	3 inch	100.00	50.00
FY2015	up to 1 inch	15.00	5.00
	1.5 inch	75.00	25.00
	2 inch	120.00	40.00
	3 inch	150.00	50.00
FY2016	up to 1 inch	15.00	5.00
	1.5 inch	75.00	25.00
	2 inch	120.00	40.00
	3 inch	150.00	50.00
FY2017	up to 1 inch	16.60	9.37
	1.5 inch	64.72	36.61
	2 inch	100.81	57.04
	3 inch	185.02	104.71
FY2018	up to 1 inch	16.60	14.25
	1.5 inch	64.72	55.93
	2 inch	100.81	87.19
	3 inch	185.02	160.19

Impact Analysis Water/Sewer Bills

Water Rate History (billing history based on 1800 cubic feet residential)

	Fiscal Year	Water Rate (per 100 cf)	Sewer Rate (per 100 cf)	Sewer Percent of usage	1st Tier COMBINED RATE	Water Base Fee	Sewer Base Fee	Combined Base Fees	Bill based on 1800 cf usage	Percent Change
1 rate	2010	4.91	8.97	90%	13.88	0.00	0	0	\$233.69	
1 rate	2011	5.00	9.14	90%	14.14	0.00	0	0	\$238.07	1.87%
1 rate	2012	5.25	9.35	90%	14.60	0.00	0	0	\$245.97	3.32%
1 rate	2013	5.75	9.90	90%	15.65	0.00	0	0	\$263.88	7.28%
3 Tiers	2014	5.31	8.97	100%	14.28	15.00	5.00	20.00	\$277.04	4.99%
3 Tiers	2015	5.65	9.72	100%	15.37	15.00	5.00	20.00	\$296.66	7.08%
3 Tiers	2016	6.07	10.21	100%	16.28	15.00	5.00	20.00	\$313.04	5.52%
2 Tiers	2017	6.34	11.62	90%	17.96	16.90	9.37	26.27	\$328.33	4.88%
2 Tiers	2018	6.34	11.62	90%	17.96	16.90	14.25	31.15	\$333.21	1.49%

Water Rate History (billing history based on 2500 cubic feet residential)

	Fiscal Year	Water Rate (per 100 cf)	Sewer Rate (per 100 cf)	Sewer Percent of usage	1st Tier COMBINED RATE	Water Base Fee	Sewer Base Fee	Combined Base Fees	Bill based on 2500 cf usage	Percent Change
1 rate	2010	4.91	8.97	90%	13.88	0.00	0	0	\$324.58	
1 rate	2011	5.00	9.14	90%	14.14	0.00	0	0	\$330.65	1.87%
1 rate	2012	5.25	9.35	90%	14.60	0.00	0	0	\$341.63	3.32%
1 rate	2013	5.75	9.90	90%	15.65	0.00	0	0	\$366.50	7.28%
3 Tiers *	2014	5.31	8.97	100%	14.28	15.00	5.00	20.00	\$395.10	7.80%
3 Tiers *	2015	5.65	9.72	100%	15.37	15.00	5.00	20.00	\$424.25	7.38%
3 Tiers *	2016	6.07	10.21	100%	16.28	15.00	5.00	20.00	\$448.28	5.66%
2 Tiers *	2017	6.34	11.62	90%	17.96	16.90	9.37	26.27	\$464.87	3.70%
2 Tiers *	2018	6.34	11.62	90%	17.96	16.90	14.25	31.15	\$469.75	1.05%

* multi-rate

Water Rate History (billing history based on 3500 cubic feet residential)

	Fiscal Year	Water Rate (per 100 cf)	Sewer Rate (per 100 cf)	Sewer Percent of usage	1st Tier COMBINED RATE	Water Base Fee	Sewer Base Fee	Combined Base Fees	Bill based on 3500 cf usage	Percent Change
1 rate	2010	4.91	8.97	90%	13.88	0.00	0	0	\$454.41	
1 rate	2011	5.00	9.14	90%	14.14	0.00	0	0	\$462.91	1.87%
1 rate	2012	5.25	9.35	90%	14.60	0.00	0	0	\$478.28	3.32%
1 rate	2013	5.75	9.90	90%	15.65	0.00	0	0	\$513.10	7.28%
3 Tiers *	2014	5.31	8.97	100%	14.28	15.00	5.00	20.00	\$574.10	11.89%
3 Tiers *	2015	5.65	9.72	100%	15.37	15.00	5.00	20.00	\$617.95	7.64%
3 Tiers *	2016	6.07	10.21	100%	16.28	15.00	5.00	20.00	\$653.55	5.76%
2 Tiers *	2017	6.34	11.62	90%	17.96	16.90	9.37	26.27	\$682.83	4.48%
2 Tiers *	2018	6.34	11.62	90%	17.96	16.90	14.25	31.15	\$687.71	0.71%

* multi-rate

** when lawn meters exist customer pays 100% sewer on household consumption

*** Please note that 81% our quarterly reads are under 2500 cf, and 93 % our quarterly reads are below 4000 cf

1-1000 cf	26.6%
1001-1800 cf	36.6%
1800 - 2500 cf	18.2%
2500-4000 cf	11.4%
4000-8000 cf	5.0%
>8000 cf	2.2%



CITY OF MELROSE

AUDITOR

City Hall, 562 Main Street
Melrose, MA 02176
Telephone - 781-979-4108

BRIDGET GEEHAN
Assistant Auditor

To: Mayor Robert Dolan
From: Bridget Geehan
Meeting Date: June 18, 2012
Subject: Proposed FY 2013 Water Rates
Order #: ORDER-2012-189

I respectfully submit the following proposed water and sewer rates for FY 2013.

FY2013 Water rates will be effective for water use beginning July 2, 2012. Water used prior to July 2, 2012 will continue to be billed at the FY2012 rates. This is consistent with the Board of Alderman approved in billing practices.

Water Rates:

The water residential rate will be changed from \$5.25 to \$5.65 a \$0.40 or 7.62% increase from FY2012.

The commercial water rate will be changed from \$6.45 to \$6.95 a \$0.50 or 7.75% increase from FY2012

In FY2012, the Board of Alderman applied \$150,000 from the Water Enterprise Free Cash Account to reduce water rates for the 2012 budget which resulted in approximately a \$0.20 reduction in the water rate. It is anticipated that there will be no free cash available at the end of FY2012 to apply to rate reduction and the proposed FY2013 water rate reflects this assumption.

The other major factor impacting the FY 2013 water rate is the MWRA budget assessment increase of \$147,854 or 6.6%. The new water rates are projected to raise \$5,252,500.14 in revenue to fund the new FY2013 operating budget, including direct operating expenses, indirect costs and debt costs.

There is only \$34,294.50 remaining in the Water Reserve Fund.

FINANCIAL IMPACT:Water Rates:

The water residential rate will be changed from \$5.25 to \$5.65 a \$0.40 or 7.62% increase from FY2012.

The commercial water rate will be changed from \$6.45 to \$6.95 a \$0.50 or 7.75% increase from FY2012

RESULT:	PASSED [UNANIMOUS]
MOVER:	Gail M. Infurna, Ward 5 Alderman
SECONDER:	Jaclyn L. Bird, Alderman at Large
AYES:	Bird, Boisselle, Conn Jr., Forbes Jr, Infurna, McAteer-Margolis, Medeiros, Mortimer, Seaboyer, Wright Jr., Tramontozzi



CITY OF MELROSE

AUDITOR

City Hall, 562 Main Street
Melrose, MA 02176
Telephone - 781-979-4108

BRIDGET GEEHAN
Assistant Auditor

To: Mayor Robert Dolan
From: Bridget Geehan
Meeting Date: June 18, 2012
Subject: Proposed Sewer Rates for FY2013
Order #: ORDER-2012-188

I respectfully submit the following proposed sewer rates for FY2013.

FY2013 Sewer rates will be effective for sewer use beginning July 2, 2012. Sewer used prior to July 2, 2012 will continue to be billed at the FY2012 rates. This is consistent with the Board of Alderman approved in billing practices.

Sewer Rates:

The sewer rate will be changed from \$9.35 to \$9.60 a \$0.25 or 2.67 % increase from FY2012. This sewer rate is projected to raise \$7,095,114.75 in revenue to fund the new FY2013 operating budget, including direct operating expenses, indirect costs and debt costs.

There is \$0 dollars in the Sewer Reserve Fund.

FINANCIAL IMPACT:Sewer Rates:

The sewer rate will be changed from \$9.35 to \$9.60 a \$0.25 or 2.67 % increase from FY2012. This sewer rate is projected to raise \$7,095,114.75 in revenue to fund the new FY2013 operating budget, including direct operating expenses, indirect costs and debt costs.

RESULT: PASSED [UNANIMOUS]
MOVER: Mary Beth McAteer-Margolis, Alderman at Large
SECONDER: Gail M. Infurna, Ward 5 Alderman
AYES: Bird, Boisselle, Conn Jr., Forbes Jr, Infurna, McAteer-Margolis, Medeiros, Mortimer, Seaboyer, Wright Jr., Tramontozzi



CITY OF MELROSE

MAYOR

City Hall, 562 Main Street
Melrose, MA 02176
Telephone - 781-979-4440

ROBERT DOLAN
Mayor

To: Board of Alderman
From: Robert Dolan
Meeting Date: August 20, 2012
Subject: Amending water rates
Order #: ORDER-2013-4

Amending Melrose Revised Ordinances, Chapter 228, Article II, Section 228-15 (Water Rates Established), to change the FY13 Residential Water Rate from \$5.65 to \$5.85 and the FY13 Commercial Water Rate from \$6.95 to \$7.20. Public Hearing set for Monday, July 16, at 8:30 p.m.

FINANCIAL IMPACT:None

RESULT:	PASSED AS AMENDED [10 TO 1]
MOVER:	Donald L. Conn Jr., Alderman at Large
SECONDER:	Mary Beth McAteer-Margolis, Alderman at Large
AYES:	Bird, Boisselle, Conn Jr., Forbes Jr, Infurna, McAteer-Margolis, Mortimer, Seaboyer, Wright Jr., Tramontozzi
NAYS:	Monica C. Medeiros



CITY OF MELROSE

MAYOR

City Hall, 562 Main Street
Melrose, MA 02176
Telephone - 781-979-4440

ROBERT DOLAN
Mayor

To: Board of Alderman
From: Robert Dolan
Meeting Date: August 20, 2012
Subject: Amending sewer rates
Order #: ORDER-2013-3

Amending Melrose Revised Ordinances, Chapter 228, Article IV, Section 228-30 (Sewer Rates Established) to change the Sewer Rate from \$9.60 to \$10.02. Public hearing Set for Monday, July 16 at 8:30 p.m.

FINANCIAL IMPACT:None

RESULT:	PASSED AS AMENDED [10 TO 1]
MOVER:	Jaclyn L. Bird, Alderman at Large
SECONDER:	William H Forbes Jr, Ward 7 Alderman
AYES:	Bird, Boisselle, Conn Jr., Forbes Jr, Infurna, McAteer-Margolis, Mortimer, Seaboyer, Wright Jr., Tramontozzi
NAYS:	Monica C. Medeiros



CITY OF MELROSE

MAYOR

City Hall, 562 Main Street
Melrose, MA 02176
Telephone - 781-979-4440

ROBERT DOLAN
Mayor

To: Board of Alderman
From: Robert Dolan
Meeting Date: June 27, 2013
Subject: FY 2014 Water Rates
Order #: ORDER-2013-204

FINANCIAL IMPACT:None

RESULT:	PASSED AS AMENDED [9 TO 1]
MOVER:	Mary Beth McAteer-Margolis, Alderman at Large
SECONDER:	Gail M. Infurna, Ward 5 Alderman
AYES:	Boisselle, Conn Jr., Infurna, McAteer-Margolis, Mortimer, Seaboyer, Tramontozzi, Wright Jr., Forbes Jr
NAYS:	Monica C. Medeiros
ABSENT:	Jaclyn L. Bird

§ 228-15. Rates set by Mayor and Aldermen; Water Rate Review Committee.

A. Except as provided by § 228-16, all bills for water furnished by the City shall be rendered at intervals of three months (quarterly) at rates established by the Mayor and Board of Aldermen from time to time.

(1) Tiered Water Rates per 100 cubic feet, effective July 1, 2013:

Quarterly Consumption:

1-2,000 cu. ft.:	\$5.28
2,001-10,000 cu. ft.:	\$7.06
over 10,00 cu. ft.:	\$7.87

Quarterly Meter Base Fee:

Up to 1 inch	\$15.00
Up to 1-1/2 inch	\$50.00
2 inches	\$80.00
3 inches and above	\$100.00

~~(2) Commercial rate: \$6.03 per 100 cubic feet, effective June 29, 2009.~~

(23) The water residential rate shall be applied to all properties in the City of Melrose classified under Commonwealth of Massachusetts DOR Property Classification Code of April 1987 Code/Codes 1, 101 through 103, 104 and 105 and all land or structures exclusively in municipal use by the City of Melrose.

~~(4) The commercial rate shall apply to all other properties.~~

B. There is hereby created a Water Rate Review Committee, to consist of the Director of Public Works, the Auditor, the Treasurer-Collector and a member of the Board of Aldermen appointed by the President. The Committee shall meet at least annually to review the water rate charges established pursuant to this section, the costs of operating and maintaining the water system and any capital improvements to the system. It shall report its findings and any recommendations to the Board of Aldermen no later than the 13th day of April of each year.

~~C. Where a billing cycle encompasses two fiscal years, usage shall be billed on a pro-rata basis to apportion usage costs between the two fiscal year rates. The rates shall not be retroactively applied to water consumption and sewer use for the preceding fiscal year.~~

(Rev. Ords. 1976, § 20-47; Ord. No. 19837, 5-15-1978; Ord. No. 19917, 6-5-1978; Ord. No. 19837A, 7-17-1978; Ord. No. 90-2, 9-6-1989; Rev. Ords. 1989, § 16-27; Ord. No. 90-278, 10-15-1990; Ord. No. 92-22, 9-9-1991; Ord. No. 92-137, 1-6-1992; Ord. No. 92-166, 1-21-1992; Ord. No. 94-221, 6-6-1994; Ord. No. 94-221A, 7-18-1994; Ord. No. 96-335, 6-17-1996; Ord. No. 01-323, 6-27-2001; Ord. No. 02-358, 6-26-2002;

Ord. No. 02-060A, 12-16-2002; Ord. No. 03-290, 6-26-2003; Ord. No. 04-268, 6-21-2004; Ord. No. 05-248, 6-30-2005, Ord. No. 06-248, 6-26-2006; Ord. No. 06-248, 7-17-2006; Ord. No. 07-179, 7-16-2007; Ord. No. 08-225, 5-19-2008; Ord. No. 08-269, 10-20-2008; Ord. No. 09-202, 6-15-2009)

State law reference -- Law of commonwealth making water rates a lien on real estate, MGL c. 40, §§ 42A to 42F.



CITY OF MELROSE

MAYOR

City Hall, 562 Main Street
Melrose, MA 02176
Telephone - 781-979-4440

ROBERT DOLAN
Mayor

To: Board of Alderman
From: Robert Dolan
Meeting Date: June 27, 2013
Subject: FY 2014 Sewer Rates
Order #: ORDER-2013-205

FINANCIAL IMPACT:None

RESULT:	PASSED AS AMENDED [9 TO 1]
MOVER:	Gail M. Infurna, Ward 5 Alderman
SECONDER:	Mary Beth McAteer-Margolis, Alderman at Large
AYES:	Boisselle, Conn Jr., Infurna, McAteer-Margolis, Mortimer, Seaboyer, Tramontozzi, Wright Jr., Forbes Jr
NAYS:	Monica C. Medeiros
ABSENT:	Jaclyn L. Bird

§ 228-30. Sewer service rates; minimum charges.

All bills for sewer service furnished by the City to City sewer users shall be rendered at intervals of three months (quarterly) at the following tiered rates per 100 cubic feet of sewage flow on bills rendered as of July 1, 2013:

Quarterly Consumption:

1-2,000 cu. ft.:	\$8.91
2,001-10,000 cu. ft.:	\$10.75
over 10,00 cu. ft.:	\$11.28

Quarterly Meter Base Fee:

Up to 1 inch	\$5.00
Up to 1-1/2 inch	\$25.00
2 inches	\$40.00
3 inches and above	\$50.00

Sewage flow shall be based on a percentage of metered water consumption on the following schedule:

- A. Residential users with one meter contribute ~~100%~~90% of metered water consumption as sewage flow.
- B. Residential users with separate lawn and garden service meters installed before July 1, 2013 contribute 100% of their domestic metered water consumption and 0% of their metered lawn and garden service water consumption as sewage flow until such time as ownership to the property is transferred. For all other residential users, separate lawn and garden service meters will not be allowed after July 1, 2013.
- C. Industrial/commercial users, including hospitals, contribute on a percentage basis up to 100% of metered water consumption. This percentage equals 100% except in cases where the Engineer and Superintendent of Public Works has determined wherein product retention of water, cooling tower loss and other evaporative water losses have occurred in the process. The sewage flow as a percentage of metered water consumption will be set on an individual basis in those cases.
- D. Tax-exempt users contribute 100% of metered water consumption as sewage flow.
- ~~E. Municipal users contribute 90% of metered water consumption as sewage flow.~~
- Ef. Agricultural and cemetery users with one meter contribute only the portion of their metered water consumption which can be allocated to domestic use as sewage flow.

(Ord. No. 1108, 6-26-1985; Ord. No. 1311, 3-17-1986; Ord. No. 1108A, 7-21-1986; Ord. No. 2127, 8-29-1988; Ord. No. 2240, 1-3-1989; Ord. No. 90-2, 9-6-1989; Rev. Ords. 1989, § 16-53; Ord. No. 90-279, 10-

15-1990; Ord. No. 91-304, 6-17-1991; Ord. No. 92-138, 1-9-1992; Ord. No. 94-222, 6-6-1994; Ord. No. 94-222A, 7-18-1994; Ord. No. 98-360, 6-15-1998; Ord. No. 01-324, 6-27-2001; Ord. No. 02-359, 6-26-2002; Ord. No. 02-060A, 12-16-2002; Ord. No. 03-289, 6-26-2003; Ord. No. 04-269, 6-21-2004; Ord. No. 05-247, 6-30-2005; Ord. No. 06-249, 6-26-2006; 06-249A, 7-17-2006; Ord. No. 07-180, 7-16-2007; Ord. No. 08-226, 5-19-2008; Ord. No. 09-203, 6-15-2009)



CITY OF MELROSE

PUBLIC WORKS
DEPARTMENT

City Hall, 562 Main Street
Melrose, MA 02176
Telephone - 781-979-0142

JOHN SCENNA
Director

To: Mayor Robert Dolan
From: John Scenna
Meeting Date: May 19, 2014
Subject: Water Rates
Order #: ORDER-2014-117

Amending Melrose Revised Ordinances, Chapter 228, Article II, Section 228-15 (Water Rates Established), as set forth herein.

§ 228-15. Rates set by Mayor and Aldermen; Water Rate Review Committee.

A. Except as provided by § 228-16, all bills for water furnished by the City shall be rendered at intervals of three months (quarterly) at rates established by the Mayor and Board of Aldermen from time to time.

(1) Tiered Water Rates per 100 cubic feet, effective June 30, 2014:

Quarterly Consumption

1 - 2,000 cu. ft.	\$5.65
2,001 - 10,000 cu. ft.	\$7.55
over 10,000 cu. ft.	\$8.41

Quarterly Base Fee

Up to 1 Inch	\$15.00
Up to 1-1/2" Inches	\$75.00
2 inches	\$120.00
3" and above	\$150.00

FINANCIAL IMPACT:NONE

RESULT: PASSED [10 TO 1]
MOVER: John N. Tramontozzi, Ward 1 Alderman
SECONDER: Scott M. Forbes, Ward 7 Alderman
AYES: Bird, Boisselle, Forbes, Infurna, Lemmerman, McAteer-Margolis, Mortimer, Tramontozzi, Wright Jr., Conn Jr.
NAYS: Monica C. Medeiros



CITY OF MELROSE

PUBLIC WORKS
DEPARTMENT

City Hall, 562 Main Street
Melrose, MA 02176
Telephone - 781-979-0142

JOHN SCENNA
Director

Tc: Mayor Robert Dolan
From: John Scenna
Meeting Date: May 19, 2014
Subject: Sewer service rates; minimum charges.
Order #: ORDER-2014-118

III.12 Amending Melrose Revised Ordinances, Chapter 228, Article IV, Section 228-30 (Sewer Rates Established) as set forth herein.

§ 228-30. Sewer service rates; minimum charges.

All bills for sewer service furnished by the City to City sewer users shall be rendered at intervals of three months (quarterly) at the following tiered rates per 100 cubic feet of sewage flow on bills rendered as of June 30, 2014:

(1) Tiered Sewer Rates per 100 cubic feet, effective June 30, 2014:

Quarterly Consumption

1 - 2,000 cu. ft.	\$9.72
2,001 - 10,000 cu. ft.	\$11.82
over 10,000 cu. ft.	\$12.45

Quarterly Base Fee

Up to 1 Inch	\$5.00
Up to 1-1/2" Inches	\$25.00
2 inches	\$40.00
3" and above	\$50.00
Sewer Deduct (Second Meter)	\$50.00

FINANCIAL IMPACT:NONE

RESULT:	PASSED [10 TO 1]
MOVER:	John N. Tramontozzi, Ward 1 Alderman
SECONDER:	Francis X. Wright Jr., Ward 3 Alderman
AYES:	Bird, Boisselle, Forbes, Infurna, Lemmerman, McAteer-Margolis, Mortimer, Tramontozzi, Wright Jr., Conn Jr.
NAYS:	Monica C. Medeiros



CITY OF MELROSE

PUBLIC WORKS
DEPARTMENT

City Hall, 562 Main Street
Melrose, MA 02176
Telephone - 781-979-0142

JOHN SCENNA
Director

To: Mayor Robert Dolan
From: John Scenna
Meeting Date: June 15, 2015
Subject: AMENDING REVISED ORDINANCES - FY16 WATER RATES
Order #: ORDER-2015-143

Amending Melrose Revised Ordinances, Chapter 228, Article II, Section 228-15 (Water Rates Established), as set forth herein.

§ 228-15. Rates set by Mayor and Aldermen; Water Rate Review Committee.

A. Except as provided by § 228-16, all bills for water furnished by the City shall be rendered at intervals of three months (quarterly) at rates established by the Mayor and Board of Aldermen from time to time.

(1) Tiered Water Rates per 100 cubic feet, effective June 29, 2015:

Quarterly Consumption

1 - 2,000 cu. ft.	\$6.07
2,001 - 10,000 cu. ft.	\$8.12
over 10,000 cu. ft.	\$9.04

Quarterly Base Fee

Up to 1 Inch	\$15.00
Up to 1-1/2" Inches	\$75.00
2 inches	\$120.00
3" and above	\$150.00

FINANCIAL IMPACT: FY16 Water Rates

RESULT: PASSED [9 TO 0]
MOVER: Peter D. Mortimer, Ward 6 Alderman
SECONDER: Robert A. Boisselle, Ward 4 Alderman
AYES: Bird, Boisselle, Forbes, Infurna, Lemmerman, McAteer-Margolis, Mortimer, Tramontozzi, Conn Jr.
ABSENT: Monica C. Medeiros, Francis X. Wright Jr.



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JOHN SCENNA
Director

To: Mayor Robert Dolan
From: John Scenna
Meeting Date: June 15, 2015
Subject: AMENDING REVISED ORDINANCES - FY16 Sewer Rates
Order #: ORDER-2015-144

Amending Melrose Revised Ordinances, Chapter 228, Article IV, Section 228-30 (Sewer Rates Established) as set forth herein. The intent of this order is to revise the Sewer Rates for FY16 and lift the restrictions and moratorium placed on the second (irrigation) meter program.

§ 228-30. Sewer service rates; minimum charges.

All bills for sewer service furnished by the City to City sewer users shall be rendered at intervals of three months (quarterly) at the following tiered rates per 100 cubic feet of sewage flow on bills rendered as of June 29, 2015:

(1) Tiered Sewer Rates per 100 cubic feet, effective June 29, 2015:

Quarterly Consumption

1 - 2,000 cu. ft.	\$10.21
2,001 - 10,000 cu. ft.	\$12.41
over 10,000 cu. ft.	\$13.07

Quarterly Base Fee

Up to 1 Inch	\$5.00
Up to 1-1/2" Inches	\$25.00
2 inches	\$40.00
3" and above	\$50.00

Sewer Deduct (Second Meter) \$35.00*

**pending upgrade of meter to interface with existing reading system*

In addition to establishing Sewer Rates for FY2016, the intent of this order is also to lift the restrictions and moratorium placed on the second (lawn/irrigation) meter program.

"B. Residential users with separate lawn and garden service meters contribute 100% of their domestic metered water consumption and 0% of their metered lawn and garden service water consumption as sewage flow."

Please see the attached ordinance with red-lined revisions

FINANCIAL IMPACT: FY16 Sewer Rates

RESULT:	PASSED [9 TO 0]
MOVER:	Peter D. Mortimer, Ward 6 Alderman
SECONDER:	Robert A. Boisselle, Ward 4 Alderman
AYES:	Bird, Boisselle, Forbes, Infurna, Lemmerman, McAteer-Margolis, Mortimer, Tramontozzi, Conn Jr.
ABSENT:	Monica C. Medeiros, Francis X. Wright Jr.



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JOHN SCENNA
Director

To: Mayor Robert Dolan
From: John Scenna
Meeting Date: June 16, 2016
Subject: Amending Revised Ordinances FY17 Water Rates
Order #: ORDER-2016-163

The Water Rate Review Committee respectfully requests amending Melrose Revised Ordinances, Chapter 228, Article II, Section 228-15 (Water Rates Established), as set forth herein. The Committee is presenting several options to the Board for consideration and has voted unanimously to support Options 4a, 4b, 5a or 5b for consideration. These options are summarized in the attached memorandum and are found in the Technical Report prepared by Raftelis Financial Consultant and Woodcock & Associates. A red line version of the ordinance changes will be provided for the option selected prior to a final vote of the Board.

In Appropriations Committee on 6/13/2016:
Recommend Adopting Option 5B

FINANCIAL IMPACT:None

RESULT:	PASSED AS AMENDED [9 TO 1]
MOVER:	Peter D. Mortimer, Ward 6 Alderman
SECONDER:	Scott M. Forbes, Ward 7 Alderman
AYES:	Boisselle, Forbes, Infurna, Lemmerman, McAteer-Margolis, Medeiros, Mortimer, Tramontozzi, Zwirko
NAYS:	Donald L. Conn Jr.
ABSENT:	Francis X. Wright Jr.

CITY OF MELROSE - HISTORICAL RATE ANALYSIS
 ALDERMAN SCOTT FORBES 6/13/2016

WATER

	TIER 1	CHG %	TIER 2	CHG %	TIER 3	CHG %
FY'14		-7.7%	7.09	23.3%	7.90	37.4%
FY'15		6.4%	7.55	6.5%	8.41	6.5%
FY'16	6.07	7.4%	8.12	7.5%	9.04	7.5%
#4B FY'17	6.31	4.0%	8.46	4.2%	9.40	4.0%
#5B FY'17	6.34	4.4%	8.62	6.2%	NONE	0.0%

FY '13	
FY '17	9.40
CHG %	63.5%

(OPTION #4B TIER 3 WATER RATE)

MWRA ASSESSMENT

	PRELIM	FINAL
FY'14	4.5%	4.1%
FY'15	5.3%	5.2%
FY'16	4.4%	3.6%
FY'17	5.1%	

SEWER

	TIER 1	CHG %	TIER 2	CHG %	TIER 3	CHG %
FY'14		-9.39%	10.81	9.2%	11.34	14.5%
FY'15		8.4%	11.82	9.3%	12.45	9.8%
FY'16	10.21	5.0%	12.41	5.0%	13.07	5.0%
FY'17	11.71	14.7%	14.28	15.1%	14.98	14.6%
FY'17	11.62	13.8%	14.64	18.0%	NONE	0.0%

FY '13	
FY '17	14.98
CHG %	51.31%

(OPTION #4B TIER 3 SEWER RATE)

OPTION #4B

CF	METER	% OF BILLS	EXISTING RATES	OPTION 4B	% CHG	\$ CHG
-	5/8	0.33%	20.00	25.97	29.9%	5.97
1,200	5/8	35.09%	215.36	228.16	5.9%	12.80
1,800	5/8	25.68%	313.04	329.25	5.2%	16.21
15,000	1.5	3.72%	3,173.50	3,275.23	3.2%	101.73
22,500	2	0.31%	4,891.75	5,047.90	3.2%	156.15
35,000	3	0.47%	7,695.50	8,040.03	4.5%	344.53
100,000	4	0.38%	22,067.00	23,101.73	4.7%	1,034.73
250,000	6	0.04%	55,232.00	57,895.73	4.8%	2,663.73

OPTION #5B

CF	METER	% OF BILLS	EXISTING RATES	OPTION 5B	% CHG	\$ CHG
-	5/8	0.33%	20.00	25.97	29.9%	5.97
1,200	5/8	35.09%	215.36	227.55	5.7%	12.19
1,800	5/8	25.68%	313.04	328.33	4.9%	15.29
15,000	1.5	3.72%	3,173.50	3,264.73	2.9%	91.23
22,500	2	0.31%	4,891.75	4,955.95	1.3%	64.20
35,000	3	0.47%	7,695.50	7,812.33	1.5%	116.83
100,000	4	0.38%	22,067.00	22,168.13	0.5%	101.13
250,000	6	0.04%	55,232.00	55,333.13	0.2%	101.13

PERCENTAGE COMPARISON

CF	OPTION 4B % CHG	OPTION 5B % CHG	DIFF
-	29.9%	29.9%	0.0%
1,200	5.9%	5.7%	0.2%
1,800	5.2%	4.9%	0.3%
15,000	3.2%	2.9%	0.3%
22,500	3.2%	1.3%	1.9%
35,000	4.5%	1.5%	3.0%
100,000	4.7%	0.5%	4.2%
250,000	4.8%	0.2%	4.6%

DOLLAR AMOUNT COMPARISON

CF	OPTION 4B \$ CHG	OPTION 5B \$ CHG	DIFF (QTR)	DIFF (YEAR)
-	5.97	5.97	0.00	0.00
1,200	12.80	12.19	0.61	2.44
1,800	16.21	15.29	0.92	3.68
15,000	101.73	91.23	10.50	42.00
22,500	156.15	64.20	91.95	367.80
35,000	344.53	116.83	227.70	910.80
100,000	1,034.73	101.13	933.60	3,734.40
250,000	2,663.73	101.13	2,562.60	10,250.40



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DEPARTMENT

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JOHN SCENNA
Director

To: Mayor Robert Dolan
From: John Scenna
Meeting Date: June 16, 2016
Subject: Amending Revised Ordinance FY17 Sewer Rates
Order #: ORDER-2016-164

The Water Rate Review Committee respectfully requests amending Melrose Revised Ordinances, Chapter 228, Article IV, Section 228-30 (Sewer Rates Established) as set forth herein. The Committee is presenting several options to the Board for consideration and has voted unanimously to support Options 4a, 4b, 5a or 5b for consideration. These options are summarized in the attached memorandum and are found in the Technical Report prepared by Raftelis Financial Consultant and Woodcock & Associates. A red lined version of ordinance changes will be provided for the option selected prior to final vote by the Board.

In Appropriations Committee on 6/13/2016:
Recommend Adopting Option 5B

FINANCIAL IMPACT:None

RESULT:	PASSED AS AMENDED [9 TO 1]
MOVER:	Peter D. Mortimer, Ward 6 Alderman
SECONDER:	Scott M. Forbes, Ward 7 Alderman
AYES:	Boisselle, Forbes, Infurna, Lemmerman, McAteer-Margolis, Medeiros, Mortimer, Tramontozzi, Zwirko
NAYS:	Donald L. Conn Jr.
ABSENT:	Francis X. Wright Jr.

CITY OF MELROSE - HISTORICAL RATE ANALYSIS
 ALDERMAN SCOTT FORBES 6/13/2016

WATER

	TIER 1	CHG %	TIER 2	CHG %	TIER 3	CHG %
FY '13						
FY'14		-7.7%	7.09	23.3%	7.90	37.4%
FY'15		6.4%	7.55	6.5%	8.41	6.5%
FY'16	6.07	7.4%	8.12	7.5%	9.04	7.5%
#48	FY'17	6.31	8.46	4.2%	9.40	4.0%
#58	FY'17	6.34	8.62	6.2%	NONE	0.0%

FY '13	
FY '17	9.40
CHG %	63.5%

(OPTION #4B TIER 3 WATER RATE)

SEWER

	TIER 1	CHG %	TIER 2	CHG %	TIER 3	CHG %
FY '13						
FY'14		-9.39%	10.81	9.2%	11.34	14.5%
FY'15		8.4%	11.82	9.3%	12.45	9.8%
FY'16	10.21	5.0%	12.41	5.0%	13.07	5.0%
FY'17	11.71	14.7%	14.28	15.1%	14.98	14.6%
FY'17	11.62	13.8%	14.64	18.0%	NONE	0.0%

FY '13	
FY '17	14.98
CHG %	51.31%

(OPTION #4B TIER 3 SEWER RATE)

MWRA ASSESSMENT

	PRELIM	FINAL
FY'14	4.5%	4.1%
FY'15	5.3%	5.2%
FY'16	4.4%	3.6%
FY'17		

OPTION #4B

CF	METER	% OF BILLS	EXISTING RATES	OPTION 4B	% CHG	\$ CHG
-	5/8	0.33%	20.00	25.97	29.9%	5.97
1,200	5/8	35.09%	215.36	228.16	5.9%	12.80
1,800	5/8	25.68%	313.04	329.25	5.2%	16.21
2,500	5/8					
5,000	5/8					
15,000	1.5	3.72%	3,173.50	3,275.23	3.2%	101.73
22,500	2	0.31%	4,891.75	5,047.90	3.2%	156.15
35,000	3	0.47%	7,695.50	8,040.03	4.5%	344.53
100,000	4	0.38%	22,067.00	23,101.73	4.7%	1,034.73
250,000	6	0.04%	55,232.00	57,895.73	4.8%	2,663.73

OPTION #5B

CF	METER	% OF BILLS	EXISTING RATES	OPTION 5B	% CHG	\$ CHG
-	5/8	0.33%	20.00	25.97	29.9%	5.97
1,200	5/8	35.09%	215.36	227.55	5.7%	12.19
1,800	5/8	25.68%	313.04	328.33	4.9%	15.29
2,500	5/8					
5,000	5/8					
15,000	1.5	3.72%	3,173.50	3,264.73	2.9%	91.23
22,500	2	0.31%	4,891.75	4,955.95	1.3%	64.20
35,000	3	0.47%	7,695.50	7,812.33	1.5%	116.83
100,000	4	0.38%	22,067.00	22,168.13	0.5%	101.13
250,000	6	0.04%	55,232.00	55,333.13	0.2%	101.13

PERCENTAGE COMPARISON

CF	OPTION 4B % CHG	OPTION 5B % CHG	DIFF
-	29.9%	29.9%	0.0%
1,200	5.9%	5.7%	0.2%
1,800	5.2%	4.9%	0.3%
2,500	4.7%	4.5%	0.2%
3,000	4.5%	4.3%	0.2%
4,000	4.2%	4.0%	0.2%
5,000	3.9%	3.7%	0.2%
15,000	3.2%	2.9%	0.3%
22,500	3.2%	1.3%	1.9%
35,000	4.5%	1.5%	3.0%
100,000	4.7%	0.5%	4.2%
250,000	4.8%	0.2%	4.6%

DOLLAR AMOUNT COMPARISON

CF	OPTION 4B \$ CHG	OPTION 5B \$ CHG	DIFF (QTR)	DIFF (YEAR)
-	5.97	5.97	0.00	0.00
1,200	12.80	12.19	0.61	2.44
1,800	16.21	15.29	0.92	3.68
2,500	16.19	15.27	0.92	3.68
3,000	16.19	15.27	0.92	3.68
4,000	16.19	15.27	0.92	3.68
5,000	16.19	15.27	0.92	3.68
15,000	101.73	91.23	10.50	42.00
22,500	156.15	64.20	91.95	367.80
35,000	344.53	116.83	227.70	910.80
100,000	1,034.73	101.13	933.60	3,734.40
250,000	2,663.73	101.13	2,562.60	10,250.40



CITY OF MELROSE

**PUBLIC WORKS
DEPARTMENT**

City Hall, 562 Main Street
Melrose, MA 02176
Telephone - 781-979-0142

JOHN SCENNA
Director

To: Mayor Robert Dolan
From: John Scenna
Meeting Date: June 19, 2017
Subject: Proposed FY18 Water Rates
Order #: ORDER-2017-146

The Water & Sewer Rate Review Committee respectfully requests amending Melrose Revised Ordinances, Chapter 228, Article II, Section 228-15 (Water Rates Established), as set forth herein. There is no effective change to either the volumetric rate or the base fees from those set in FY17. However, the following monthly billing rates are established herein.

Water Rates	
B Base Water Charges Quarterly	Base Fee
Up to 1 inch	\$16.60
1 1/2 inch	\$64.72
2 2 inch	\$100.81
3 3 inch	\$185.02
4 4 inch	\$305.32
6 6 inch	\$606.07
22nd Meter Fee - Meter Replaced	\$16.60
22nd Meter Fee - Meter NOT Replaced	\$50.00
Meter Water Charges - Quarterly	Consumption Rate
1 1st Step: 1 - 2000 cf	\$ 6.34
22nd Step: >2000 cf	\$ 8.62

Water Rates	
BBBase Water Charges Monthly	Base Fee
Up to 1 inch	\$5.54
1 1/2 inch	\$21.58
2 2 inch	\$33.61
3 3 inch	\$61.68
4 4 inch	\$101.78

6 inch		\$202.03	
22nd Meter Fee - Meter Replaced		\$5.54	
22nd Meter Fee - Meter NOT Replaced		\$16.67	
Meter Water Charges - Monthly		Consumption Rate	
11st Step:	1 - 667 cf	\$	6.34
22nd Step:	> 668 cf	\$	8.62

FINANCIAL IMPACT:N/A

RESULT:	PASSED [10 TO 0]
MOVER:	Peter D. Mortimer, Ward 6 Alderman
SECONDER:	Robert A. Boisselle, Ward 4 Alderman
AYES:	Boisselle, Forbes, Infurna, Lemmerman, McAteer-Margolis, Medeiros, Mortimer, Tramontozzi, Zwirko, Conn Jr.
ABSENT:	Francis X. Wright Jr.



CITY OF MELROSE

**PUBLIC WORKS
DEPARTMENT**

City Hall, 562 Main Street
Melrose, MA 02176
Telephone - 781-979-0142

JOHN SCENNA
Director

To: Mayor Robert Dolan
From: John Scenna
Meeting Date: June 19, 2017
Subject: Proposed FY18 Sewer Rates
Order #: ORDER-2017-147

The Water & Sewer Rate Review Committee respectfully requests amending Melrose Revised Ordinances, Chapter 228, Article IV, Section 228-30 (Sewer Rates Established), as set forth herein. There is no effective change to the volumetric rate. Changes are proposed only to the base fees from those set in FY17. Additionally, the following monthly billing rates are established herein.

S Sewer Rates (based on 90% consumption if no irrigation meter)		
BBase Sewer Charges Quarterly	Base Fee	
Up to 1 inch	\$14.25	
1 1/2 inch	\$55.93	
2 inch	\$87.19	
3 inch	\$160.13	
4 inch	\$264.33	
6 inch	\$524.83	
Meter Sewer Charges - Quarterly	Consumption Rate	
1st Step: 1 - 2000 cf	\$11.62	
2 2nd Step: >2000 cf	\$14.64	

S Sewer Rates (based on 90% consumption if no irrigation meter)		
Base Sewer Charges Monthly	Base Fee	
Up to 1 inch	\$4.75	
1 1/2 inch	\$18.65	
2 inch	\$29.07	
3 inch	\$53.38	
4 inch	\$88.11	
6 inch	\$174.95	

Meter Sewer Charges - Monthly	Consumption Rate	
11st Step: 1 - 667 cf	\$11.62	
22nd Step: > 668 cf	\$14.64	

FINANCIAL IMPACT:<<Enter Financial Impact Here>>

RESULT: PASSED [10 TO 0]
MOVER: Peter D. Mortimer, Ward 6 Alderman
SECONDER: Robert A. Boisselle, Ward 4 Alderman
AYES: Boisselle, Forbes, Infurna, Lemmerman, McAteer-Margolis, Medeiros, Mortimer, Tramontozzi, Zwirko, Conn Jr.
ABSENT: Francis X. Wright Jr.