

TOWN OF PEPPERELL

MUNICIPAL UTILITY BILL CALCULATION GUIDE

The bills issued by the Department of Public Works in Pepperell for water, sewer and stormwater charges are produced by a billing software that uses a number of variables in order to accurately charge customers for their use of the municipal utility systems. The software is programmed to use the rates set by the Pepperell Board of Public Works, which then produces the bill that is issued quarterly to all users of the utilities. There are three types of charges that have been set by the Board.

The first is a fixed charge. The stormwater fee is currently set based on a per parcel basis. Each parcel is assessed a \$60 fee per year. Those that have water and/or sewer bills are assessed \$15 per quarter (\$60 per year). The Water Base charge is \$30 per unit using a meter. For instance, a single-family home will be assessed \$30 per quarter. Whereas a multiunit apartment with six units attached to a single meter will be assessed \$180 per quarter Water Base Charge.

The second is a minimum charge. This applies to the sewer charges. The current minimum charge is \$109.67 per unit. Each unit will receive the minimum charge. A single-family home will be charged a minimum of \$109.67. A multiunit apartment or business will be charged a minimum of \$109.67 times the number of units. A six-unit apartment is charged \$657.78 at the current rates.

The last type of charge is the usage charge. Water and sewer usage (above the minimum charge) is charged on a per cubic foot (cf) basis. In each case the more water and sewer that is used the higher the rate that is charged. The attached rate tables provide the breakdown of usage and rates charged at each usage. For single unit properties the water and sewer charges are rate codes 301 and 231 respectively. Sewer users receive the first 1250 cubic feet of sewer usage per quarter with the minimum charge.

Multiunit properties, both residential and commercial are charged the tiers on an adjusted basis. The tier usage is multiplied by the number of units to determine the amount by tier. For instance, a two-family home on the sewer is charged using Rate Code 232. The first 2500 cf is included in the minimum charge. Thereafter the tiers are applied, but at half the rate so the next 9500 cf is for tier 2, etc.

TOWN OF PEPPERELL - DPW
SEWER DIVISION

SEWER CODES & RATES - May 2021										
RATE CODE 231					RATE CODE 282					
Single Family - Quarterly					Use Residential					
Tier	Consumption	Cubic Feet	Rate'19	Rate FY 22	Sewer Flat Rate - Quarterly No Meter					
Tier	Consumption	Rate'19	Rate FY 22	Tier	Consumption	Rate'19	Rate FY 22			
1	1,250	Min 1,250	103.42	109.63	1	Fixed	199.19	211.14		
2	1,750	1,251-3,000	0.08273	0.0877						
3	3,000	3,001-6,000	0.09650	0.1023						
4	3,000	6,000-9,000	0.10842	0.1149						
5	9,999,999	9,000 +	0.12036	0.1276						
RATE CODE 232					Tier	Consumption	Rate'19	Rate FY 22		
2 Family Home - Quarterly					1	Fixed	29.37	0.00		
Tier	Consumption	Cubic Feet	Rate'19	Rate FY 22						
1	1,250	Min 1,250	103.42	109.63						
2	4,750	1,251-6,000	0.08273	0.0877						
3	6,000	6,001-12,000	0.09650	0.1023	Tier	Consumption	Rate'19	Rate FY 22		
4	6,000	12,001-18,000	0.10842	0.1149	1	Fixed	103.42	109.63		
5	9,999,999	18,001 +	0.12036	0.1276						
RATE CODE 233										
3 & Up - Quarterly										
Tier	Consumption	Cubic Feet	Rate'19	Rate FY 22						
1	1,250	Min 1,250	103.42	109.63						
2	750	1,251-2,000	0.08273	0.0877						
3	2,000	2,001-4,000	0.09650	0.1023						
4	2,000	4,001-6,000	0.10842	0.1149						
5	9,999,999	6,001 +	0.12036	0.1276						
RATE CODE 223										
Comm. & Indust. - Quarterly										
Tier	Consumption	Cubic Feet	Rate'19	Rate FY 22						
1	1,250	Min 1,250	103.42	109.63						
2	250	1,250-1,500	0.08273	0.0877						
3	1,500	1,501-3,000	0.09650	0.1023						
4	1,500	3,001-4,500	0.10842	0.1149						
5	9,999,999	4,501 +	0.12036	0.1276						

Pepperell Board of Public Works - Adopted Date: April 1, 2021

Effective Date: May 1, 2021

Thomas Nephew, Chairman Date

Paul Brinkman, Vice Chair Date

George Clark Date

Lewis Lann Date

Patrick Harrington Date

(SIGNED FOR THE BOARD per VOTE 5/13/21)

Note: Due to the Covid 19 pandemic, the Board of Public Works
voted to authorize the Chairman, Thomas Nephew, to sign on
their behalf.

Vote taken at April 1, 2021 BOPW meeting.

Patrick Harrington 5-17-21

SINGLE FAMILY HOME WITH SEWER

The bill is for water, sewer and stormwater used from October 28, 2021 to January 27, 2022. These dates are when the reading was collected from the water meter. The first meter reading is 13032 (from October) and the current reading is 14376. The usage for the period is 14376 - 13032 = 1344 cubic feet (cf). A cubic foot is 7.48 gallons of water. So the total amount used was 5608 X 7.48 = 41950 gallons of water about 110 gallons per day.

The first line charge is the water base fee. Each unit on a property, connected to a meter gets a base charge of \$30.00. The next line is the water usage charge. On attached rate sheets, there is a set of rates for residential and commercial water use. The cost for the water increases the more water is used. The first 1250 cf cost \$0.0385/cf, then the next 250 cf costs \$0.0484/cf and so on. So the water charge in this example is 1250 X \$0.0408 + (1344-1250) X \$0.0513 = \$51.00 + \$4.82 = \$55.82.

Sewer usage is calculated similarly. Each unit on a property, connected to the meter gets a minimum usage fee of \$109.63. This includes the first 1250 cf of usage. In this example the usage was just above the 1250 so the next 94 cf is billed at \$0.0877 per cf. So the sewer charge in this example is \$109.63 + 94 X .0877 = \$117.87.

The last line is for the quarterly stormwater fee or \$60/4 = \$15.00. Each parcel currently receives a charge for stormwater. The stormwater fee pays for the operation and maintenance of the stormwater system.



Department of Public Works
 Town of Pepperell
 P.O. Box 319
 Pepperell, MA 01463
<http://town.pepperell.ma.us>

DUE DATE	ACCOUNT NUMBER
03/14/2022	9000
BILLING DATE	AMOUNT DUE
02/07/2022	\$218.12
SERVICE ADDRESS	
123 MAPLE ST	

SERVICE	SERVICE		METER READINGS		USAGE	AMOUNT
	FROM	TO	PREVIOUS	CURRENT		
WATER BASE					0	\$30.00
WATER					1344	\$55.82
	10/28/2021	01/27/2022	13032	14376		
SEWER					1344	\$117.87
STORMWATER FEE					0	\$15.00
CURRENT CHARGES						\$218.12
PREVIOUS BALANCE						\$194.74
ADJUSTMENTS						\$0.00
INTEREST/FEES						\$0.00
PAYMENTS						(\$194.74)
TOTAL DUE						\$218.12

NOTICES:

Please do not combine payments with other Town Departments on one check. All past due balances are subject to a 14% APR Finance Charge. All past due balances may be subject to lien, fees, and/or termination of service. Abatement Request Forms must be submitted within the bill period specified. The Board of Public Works adopted a new deduct policy effective 2/1/22, please see our website for more details. The department appreciates your efforts in keeping your hydrants clear.

MULTI-FAMILY RESIDENCE WITH SEWER

The bill is for water, sewer and stormwater used from October 28, 2021 to January 27, 2022. These dates are when the reading was collected from the water meter. The first meter reading is 13032 (from October) and the current reading is 18460. The usage for the period is $18460 - 13032 = 5608$ cubic feet (cf). A cubic foot is 7.48 gallons of water. So the total amount used was $5608 \times 7.48 = 41950$ gallons of water about 455 gallons per day.

The first line charge is the water base fee. Each unit on a property, connected to a meter gets a base charge of \$30.00. So the charge is $\$30 \times 5 = \150 . The next line is the water usage charge. On attached rate sheets, there is a set of rates for residential and commercial water use. The cost for the water increases the more water is used. For a multi-family the tier charges increase based upon the number of units. In this example the first tier contains $1250 \text{ cf} \times 5 \text{ units} = 6250 \text{ cf}$ usage in tier 1. The first 6250 cf cost $\$0.0385/\text{cf}$. So the water charge in this example is $5608 \times \$0.0408 = \228.81 .

Sewer usage is calculated similarly. Each unit on a property, connected to the meter gets a minimum usage fee of \$109.63. In this example the sewer table used is "Rate Code 233 3 & Up". This includes the first 1250 cf of usage for each unit. In this example the usage is below the minimum usage ($1250 \times 5 = 6250 \text{ cf}$). So the sewer charge in this example is $\$109.63 \times 5 = \548.15 . This charge is shown on the line called SEWER MIN Q MULTI.

The last line is for the quarterly stormwater fee or $\$60/4 = \15.00 . Each parcel is charged \$60 per year (\$15 per quarter) for operation and maintenance costs associated with the stormwater system.



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DUE DATE	ACCOUNT NUMBER
03/14/2022	9001
BILLING DATE	AMOUNT DUE
02/07/2022	\$941.96
SERVICE ADDRESS	
345 WHITE OAK DR	

SERVICE	SERVICE		METER READINGS		USAGE	AMOUNT
	FROM	TO	PREVIOUS	CURRENT		
WATER BASE					0	\$150.00
WATER					5608	\$228.81
	10/28/2021	01/27/2022	13032	18460		
SEWER MIN Q MULTI					0	\$548.15
STORMWATER FEE					0	\$15.00
CURRENT CHARGES						\$941.96
PREVIOUS BALANCE						\$894.74
ADJUSTMENTS						\$0.00
INTEREST/FEES						\$0.00
PAYMENTS						(\$894.74)
TOTAL DUE						\$941.96

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