

BOARD OF TRUSTEES
Gary Wall, Supervisor
Kimberly Markee, Clerk
Margaret Birch, Treasurer
Anthony M. Bartolotta, Trustee
Art Frasca, Trustee
Karen Joliat, Trustee
Steven Thomas, Trustee



5200 Civic Center Drive
Waterford, Michigan 48329-3773
Telephone: (248) 674-2278 Fax: (248) 674-8658
www.waterfordmi.gov

DEPARTMENT OF PUBLIC WORKS
Russell Williams
Director
Joseph Ashley
Water & Sewer Superintendent
Justin Westlake
Facilities & Operations Superintendent
Derek Diederich
Administrative Superintendent
Frank Fisher
Engineering Superintendent

DATE: February 28, 2020
TO: Honorable Charter Township of Waterford Board of Trustees
FROM: Russell D. Williams, DPW Director *RW*
RE: Resolution & Recommendations for DPW Miscellaneous Water-Sewer Fee Schedules

Please review the attached Resolution Approving Updated Water and Sewer Fee Schedules. Mr. Gary Dovre, Waterford Township Attorney, has prepared a Resolution on Department of Public Works Cost Based Fees that would provide for this if adopted by the Township Board.

Also, see an attached supporting memo titled DPW Miscellaneous Water-Sewer Fee Analysis and Fee Recommendations from Mr. Derek Diederich, DPW Administrative Superintendent and Twp. Budget Director. This is the first comprehensive analysis of the miscellaneous fees since 2011.

This new concept of cost based charges, for the DPW would pass third party invoiced cost directly to the customer without any additional DPW fees included, covering DPW's cost. Other Miscellaneous DPW Water –Sewer Fees are the result of an analysis of DPW's Computerized Maintenance Manager System historic equipment, labor and material costs.

Requested Board Action
Approve: Resolution Approving Updated Water and Sewer Fee Schedules

With us there are no boundaries

**CHARTER TOWNSHIP OF WATERFORD
OAKLAND COUNTY, MICHIGAN**

RESOLUTION APPROVING UPDATED WATER AND SEWER FEE SCHEDULES

RECITALS:

- A. The Waterford Charter Township Code (“Code”) provides that fees, charges, escrows, cash reserves, bonds, and other financial obligations required or authorized to be assessed, collected, held, and paid by that Code shall be established by Resolution of the Township Board.
- B. On January 26, 2015, the Township Board adopted a Resolution Establishing Fees and Charges, which in addition to approving and establishing fees and charges, in paragraphs 2 - 8, included rules, guidelines and authorizations regarding fees and charges.
- C. Attached to this Resolution are updated Water and Sewer Fee Schedules (5 pages) that the Director of the Department of Public Works is recommending be approved and established by the Township Board.

IT IS THEREFORE RESOLVED:

1. The Department of Public Works Water and Sewer Fee Schedules **attached** to this Resolution are approved and the fees and charges in those Schedules are hereby established as the amounts to be assessed, collected, held, and paid in the administration and enforcement of the Code.
2. Paragraphs 2 through 8 of the January 26, 2015, Resolution Establishing Fees and Charges are incorporated by reference in, and shall apply to the fees and charges established by, this Resolution

CERTIFICATION

I hereby certify that this Resolution was adopted by the Charter Township of Waterford Board of Trustees at a regular meeting on March 9, 2020.

Charter Township of Waterford

Date

Kimberly F. Markee, Township Clerk

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WATERFORD TOWNSHIP WATER CONNECTION FEE SCHEDULE (March 1st 2020)

TAP SIZE	METER SIZE	TAP COST (See 1, 2 & 3 below)	METER COST	CAPITAL CHARGE IN FULL	OPTION 1:	CAPITAL CHARGE DOWN PAYMENT	OPTION 2:	**PRINCIPAL AMT. FINANCED**
					TOTAL IN FULL CHARGE		TOTAL UP FRONT WITH DOWN PAYMENT (BAL. FINANCED)	
1"	5/8"	\$ 1,200.00	\$ 185.00	\$ 1,000.00	\$2,385.00	\$ 25.00	\$ 1,410.00	\$975.00
1"	1"	\$ 1,200.00	\$ 270.00	\$ 1,700.00	\$ 3,170.00	\$ 42.50	\$ 1,512.50	\$1,657.50
1 1/2"	1"	\$ 1,420.00	\$ 270.00	\$ 1,700.00	\$ 3,390.00	\$ 42.50	\$ 1,732.50	\$1,657.50
1 1/2"	1 1/2"	\$ 1,420.00	\$ 470.00	\$ 3,500.00	\$ 5,390.00	\$ 87.50	\$ 1,977.50	\$3,412.50
2"	1 1/2"	\$ 1,550.00	\$ 470.00	\$ 3,500.00	\$ 5,520.00	\$ 87.50	\$ 2,107.50	\$3,412.50
2"	2" CMPD	\$ 1,550.00	\$ 1,655.00	\$ 6,700.00	\$ 9,905.00	\$ 167.50	\$ 3,372.50	\$6,532.50
3"	2" CMPD	(BY CONT)	\$ 1,655.00	\$ 6,700.00	\$ 8,355.00	\$ 167.50	\$ 1,822.50	\$6,532.50
3"	3" CMPD	(BY CONT)	\$ 2,235.00	\$ 15,000.00	\$ 17,235.00	\$ 375.00	\$ 2,610.00	\$14,625.00
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6"	6" CMPD	(BY CONT)	\$ 4,510.00	\$ 60,000.00	\$ 64,510.00			
8"	8" CMPD	(BY CONT)	\$ Quote	\$ 60,000.00	\$ TBD			

** FINANCED @ 6.5% INTEREST,
 BILLED QUARTERLY OVER 10 YEARS **

- 1) FROST CONDITIONS CHARGE - DECEMBER 1ST THRU MARCH 31ST WINTER RATES WILL BE IN EFFECT / ADDITIONAL \$58.00.
- 2) DIRECTIONAL BORING: (AS REQUIRED BY OAKLAND COUNTY ROAD COMMISSION): \$1,699.00 FROM 1 to 2- INCH TAP. ABOVE 2- INCH TAP PER QUOTE.
- 3) TRAFFIC CONTROL AND ROAD RESTORATION FEE: AS NEEDED PER PROJECT AND APPLIED ADMINISTRATIVELY IN THE AMOUNT OF ACTUAL COSTS OF REQUIRED TRAFFIC CONTROL AND ROAD PROPERTY RESTORATION MEASURES, TO BE DETERMINED AND BILLED UPON COMPLETION AND ADDED TO THE NEXT REGULAR WATER/SEWER BILLING IF NOT PAID BEFORE THAT BILLING IS PREPARED.
- * PRINCIPAL AMT. NOT COMPOUND = 2- INCH \$310.00, 3- INCH \$1,100.00, 4- INCH \$1,340.00 + \$85.00 AMR FEE. AMR PER METER.
- * METER TESTING FEES: 6" - 1" = \$40.00 1 1/2" - 1" = \$245.00 2" CMPD - HTP - AND HIGHER = \$300.00
- * CMPD = COMPOUND METER "CONT" = CONTRACTOR INSTALLED
- * WATER TAPS 1 1/2" AND LARGER AREA ON A COST ESTIMATE BASIS. FINAL CHARGES WILL BE COMPUTED UPON COMPLETION.
- * CAPITAL CHGS WILL BE REDUCED BY 60% FOR CONNECTIONS MADE TO A DEVELOPER INSTALLED AND FINANCED WATERMAIN.
- * SEWER CONNECTION FEE: FOR A SINGLE FAMILY HOME IS \$3,405.00 - \$1,300.00 OF THIS IS THE SEWER CAPITAL CHARGE, \$2,300.00 IS THE SEWER LATERAL BENEFIT CHARGE AND \$5.00 IS THE SEWER PERMIT FEE.

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Waterford Township Water-Sewer Quarterly (3-Month) Billing Charges

(Customers Outside of the Township Geographic Boundary pay 1.5 times normal Township usage rates)

Water Usage Rates by Meter Size:

(Adjusted 1-1-2020)

1 C.F. (Cubic Foot) = 7.48 U.S. Gallons

<i>Rate Tiers:</i>	<i>Tier 1: (Minimum)</i>			<i>Tier 2: (Over Minimum): Charge per 100 C.F.</i>	
<u>Meter Size:</u>	<u>Minimum Charge:</u>	<u>Cubic Feet Allowed-Minimum:</u>	<u>Sprinkler Meter – Minimum:</u>	<u>Over Minimum:</u>	
				<u>Domestic:</u>	<u>Sprinkler:</u>
5/8"	\$18.70	1,000	\$12.47	\$2.34	\$2.78
1"	\$28.06	2,000	\$15.59	\$2.34	\$2.78
1 ½"	\$49.88	2,000	\$26.50	\$2.34	\$2.78
2"	\$77.94	2,000	\$42.09	\$2.34	\$2.78
3"	\$124.71	2,000	\$65.47	\$2.34	\$2.78
4"	\$182.39	2,000	\$96.65	\$2.34	\$2.78
6"	\$275.92	4,000		\$2.34	\$2.78
8"	\$377.25	6,000		\$2.34	\$2.78

Sewer Usage Rates:

(Adjusted 11-1-2019)

(Sewer Charges based off of Water Meter Reading, or a Flat charge if Customer does not have Public Water):

<i>Rate Tiers:</i>	<i>Tier 1: (Minimum)</i>		<i>Tier 2: (Over Minimum):</i>
<u>Meter Size:</u>	<u>Ready to Serve:</u>	<u>Cubic Feet Allowed-Minimum:</u>	<u>Charge per 100 C.F. (Starting at 0 to 999,999 C.F.):</u>
All Sizes	\$68.62	N/A	\$3.77
Flat Sewer No Water	\$127.38	-----	-----

*Flat Sewer is \$58.40 higher than water/sewer minimum because it is not metered, therefore 2nd rate tier does not apply and a statistical average is uniformly used for this customer class.

Water Fireline Services

(Adjusted 2-28-2011)

(Applies to Commercial Buildings with Fire Sprinkling Systems)

<u>Service Size:</u>	<u>Flat Quarterly Charge:</u>
----------------------	-------------------------------

2"	\$60.00
3"	\$85.00
4"	\$110.00
6"	\$185.00
8"	\$215.00
10"	\$245.00
12"	\$275.00

- Fireline charges are flat "ready to serve" charges and are not metered.

Quarterly Commercial Surcharges (Charges per I.W.C – Industrial Waste Control)

(Adjusted 11-1-2019)

(Applies to Commercial Accounts with Sewer)

<u>Service Size:</u>	<u>Flat Quarterly Charge:</u>
----------------------	-------------------------------

5/8"	\$10.14
1"	\$25.35
1 ½"	\$55.77
2"	\$81.12
3"	\$147.03
4"	\$202.80
6"	\$304.20
8"	\$507.00

* The Commercial Surcharges are set by the I.W.C. (Industrial Waste Control) Division of the D.W.S.D (Detroit Water and Sewerage Department). Waterford simply collects the Commercial Surcharge Fees and passes them on directly to Oakland County who ultimately passes them on to the Great Lakes Water-Sewer Authority. Waterford is obligated to charge all Commercial Customers these flat quarterly fees because Waterford is part of the "Clinton-Oakland" sewer system, and relies on the Authority for ultimate Waste Water Treatment and disposal. Waterford does not retain or realize any revenue from these charges.

Water Meters

(Adjusted 3-9-2020)

<u>Meter Size:</u>	<u>Meter Price:</u>	<u>AMR/AMI Unit: (Per AMR)</u>	<u>Tot. Meter Fee:</u>
5/8"	\$100.00	\$85.00	\$185.00
1"	\$185.00	\$85.00	\$270.00
1 ½"	\$385.00	\$85.00	\$470.00
2"	\$510.00	\$85.00	\$595.00
2" Compound	\$1,465.00	\$85.00	\$1,550.00
3" Compound	\$2,150.00	\$85.00	\$2,235.00
4" Compound	\$2,925.00	\$85.00	\$3,010.00
6" Compound	\$4,425.00	\$85.00	\$4,510.00
8" Compound	Quote	\$85.00	TBD

* AMR = Automatic Meter Read. AMI = Automatic Meter Interface. These units send their meter reads via radio signal to a fixed network collector. Meter prices are tied to metal prices.

Meter Testing Fees:

(Adjusted 3-9-2020)

When a customer disputes a meter's accuracy as outlined in Chapter 17 of the Township's Water/Sewer Ordinances, they may elect as part of the dispute resolution process to have the meter tested by a 3rd party. If the independent meter test results indicate that the meter is operating normally, the customer is responsible to pay for the meter testing fees. If the meter has a defect, the cost is paid by the DPW and a new meter is installed. Traditionally, the DPW passed along current testing rates that were established with testing vendors. The current fees are outlined below:

5/8" positive displacement meter bench test at the 3rd party facility \$40.00 each
 1" positive displacement meter bench test at the 3rd party facility \$73.00 each
 1.5" positive displacement meter bench test at the 3rd party facility \$200.00 each
 2" positive displacement meter bench test at the 3rd party facility \$245.00 each
 ** All other meters per 3rd party pricing/quote. **

Hydrant Use Fees

(Adjusted 2-28-2011)

<u>Hydrant Rental Fee:</u>	<u>Hydrant Water Usage Fee:</u>
\$150.00	\$2.34 per 100 C.F.

* Customer/Contractor needs to contact the DPW for this temporary water service. A Hydrant Meter with proper backflow device is mandatory for these applications and must be set and administered by the DPW.

Turn Water On/Off Fees

(Adjusted 2-28-2011)

Water Turn On Fee:

\$30.00

Water Turn Off Fee:

\$30.00

* Flat fee charged when Customer requests the water to be turned on or off at the curb box located at the property line by the public water main. Fee includes DPW field time to locate, expose and complete the service, as well as administrative time. This water shut down method is suggested whenever customers are going to be away from their home/business for an extended period of time.

Cut and Cap Abandoned Service Line Fees

(Adjusted 3-9-2020)

Cut and Cap Fee:

\$70.00 * Fee charged when homes and businesses demo their facilities and/or terminate water/sewer services with the DPW.

Automatic Meter Read (AMR) 'Opt Out' Fee:

(Adjusted 3-9-2020)

\$10.30 - Quarterly * Fee to be assessed when customer has been offered and has declined to receive an Automatic Meter Reading (AMR) Unit to be installed at their home or business. The fee is to cover the additional cost of manually obtaining the read, vehicle gas/wear and tear and manual time spent processing such meter reads.

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DATE: February 20, 2020
TO: Russell Williams, DPW Director
FROM: Derek Diederich, DPW Admin. Superintendent and Twp. Budget Director
RE: 2020 Miscellaneous Water-Sewer Fee Analysis and Fee Recommendations

D.D.

The last review and update of non-usage miscellaneous water fees was completed in 2011, or over eight years ago. Over the years, inflation, increases in material costs, changes in technology and new rules and ways of doing business have had an impact on this sector of the DPW charges for service. This memo will outline the categories and make rate adjustments accordingly. The changes in rates and new concepts have been highlighted in yellow for your convenience.

Additionally, I would recommend in some fee categories where the DPW is simply passing along a cost from a 3rd party vendor that the Township Board be requested to grant the DPW authority to administratively adjust those specific fees as the market changes without the need to have the board approve.

Water Tap In Fees:

In this category, an analysis was conducted utilizing primary data from the DPW's Computerized Maintenance Management System (CMMS). The operational years of 2016, 2017 and 2018 were analyzed. Please see the trend analysis in this category. The change experienced in this category from the last time this data was analyzed has not changed drastically.

The following recommendation of fees for the most common tap be utilized:

1 inch water tap with either a 5/8 inch or 1 inch water meter of \$1,200.00.

1.5 inch water tap with a 1 inch or 1.5 inch water meter to \$1,420.00

Please see the attached Connection Fee Schedule for the balance of recommended fees in this category.

Traffic Control:

(Requested DPW Admin. Adj. per current Market Rate)

I also recommend that the Traffic Control and Road Restoration Fee be expanded to also apply to property restoration outside the road ROW and be changed from the current flat fee of \$400 to the amount of actual costs of required traffic control and road/property restoration measures, to be determined and billed upon completion and added to the next regular water/sewer billing if not paid before that billing is prepared. This approach will avoid charging too much or too little for this work, the extent of which is often difficult to estimate at the time the other tap fees are payable. One common example is where an outside company may need to be brought in for taps in highly congested areas to meet safety standards.

Please note, no change in the Capital Charge cost portion of a water connection is proposed at this time.

Water Turn On-Off Fees:

Similar to the Water Tap section of the charges operational years 2016, 2017, and 2018 were analyzed. Please see the trend analysis in this category. At this time, no change is being recommended. The current fee of \$30.00 per occurrence is sufficient.

Underground Directional Boring:

(Requested DPW Admin. Adj. per current Market Rate)

This is a new fee category for Waterford Township DPW. The Oakland County Road Commission and new safety standards call for this specialized under road boring. The DPW does not have the equipment required to conduct this service and has the need to call upon a contractor to conduct this activity. The current charge is \$1,000.00 for this item. This is required for homes and businesses that are not on the same side of the road as the water main, otherwise called a 'long tap.' Please see the fee quote from our current vendor for this service item. For taps above 2-inches the charge would be based on a project basis.

Water Meter and Automatic Meters:

(Requested DPW Admin. Adj. per current Market Rate)

There are two main components to water meters in the industry today. These components include the brass metal meter body with its accompanying register head, as well as an outside remote reader. The following represent the current prices from the DPW's Meter Vendor. Please see the attached letter and Oakland County Governmental Pricing List. The following represent the DPW most common configurations. Numbers were rounded slightly for administrative purposes. Also note, that in cases with (2) meters, domestic and sprinkler there would be a need to charge for (2) AMR devices. This is also the case with compound meters.

<u>Meter Size:</u>	<u>Meter Price:</u>	<u>AMR/AMI Unit:</u>	<u>Total Recommended Retail Charge:</u>
5/8"	\$100.00	\$85.00	\$185.00
1"	\$185.00	\$85.00	\$270.00
1 1/2"	\$385.00	\$85.00	\$470.00
2" Compound	\$1,570.00	\$85.00	\$1,655.00
3" Compound	\$2,150.00	\$85.00	\$2,235.00
4" Compound	\$2,925.00	\$85.00	\$3,010.00
6" Compound	\$4,425.00	\$85.00	\$4,510.00
8" Compound	\$ <i>Quote</i>	\$85.00	* <i>TBD @ Project Time.</i>
2" Sprinkler	\$510.00	\$85.00	\$595.00
3" Sprinkler	\$1,100.00	\$85.00	\$1,185.00
4" Sprinkler	\$1,336.00	\$85.00	\$1,421.00

Automatic Meter Reader (AMR) Opt Out Fee:

The standard and best practice to read meters currently is via an automatic meter reader (AMR) unit. These units operate by communicating with the register head on the inside meter and broadcasting the read out via a predefined and approved radio frequency. These units meet or exceed all safety standards.

The DPW currently has no meter readers employed. For customers whom 'opt out' of the AMR outside unit, employees have to be pulled off of other assignments, utilize a vehicle and to conduct the manual older style meter reads. Staff has studied this service and concluded that between service staff, office staff, vehicle use and other equipment utilization the charge per manual read to be \$10.30 on a quarterly basis for customers whom 'opt out' of the automatic read process.

Meter Testing Fees:

(Requested DPW Admin. Adj. per current Market Rate)

When a customer disputes a meter's accuracy as outlined in Chapter 17 of the Township's Water/Sewer Ordinances, they may elect as part of the dispute resolution process to have the meter tested by a 3rd party. If the independent meter test results indicate that the meter is operating normally, the customer is responsible to pay for the meter testing fees. If the meter has a defect, the cost is paid by the DPW and a new meter is installed. Traditionally, the DPW passed along current testing rates that were established with testing vendors. The current fees are outlined below:

- 5/8" positive displacement meter bench test at the 3rd party facility \$40.00 each
 - 1" positive displacement meter bench test at the 3rd party facility \$73.00 each
 - 1.5 positive displacement meter bench test at the 3rd party facility \$200.00 each
 - 2" positive displacement meter bench test at the 3rd party facility \$245.00 each
- ** All other meters per 3rd party pricing/quote. **

Hydrant Use Fees:

When a customer needs to use water directly from a fire hydrant, such as a pool supplier, contractor or other such event the DPW currently charges a \$150.00 flat fee. As you know, our staff is needed to install the proper meter with proper safety backflow preventer, so field service, vehicle and office time, as well as some meter depreciation fees are incurred per occurrence. I would recommend that the flat fee of \$150.00 be maintained but that the current domestic retail usage rate be used per 100 Cubic Feet of water usage.

Cut and Cap Abandoned Service Line Fees:

When a customer disconnects from the Public Water or Sanitary Sewer System, the DPW sends staff to the property to witness and document the proper abandonment of the service. This information is transferred to office and billing staff who update the customer and billing records of the account. The current charge for this service is \$65.00. I recommend this charge be increased to \$70.00

Thank you for your time and attention to this matter.

- cc. Joe Ashley, Water/Sewer Superintendent
- cc. Frank Fisher, Engineering Superintendent
- cc. Rachel Woolcox, DPW Staff Analyst
- cc. Heather Krupic, DPW Departmental Aide
- cc. Barb Miller, Accounting Mgr. and Assit. Twp. Budget Director
- cc. DPW Rates and Charges File

APPENDIX A
(WATER-SEWER CONNECTION FEE SCHEDULE)

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WATERFORD TOWNSHIP WATER CONNECTION FEE SCHEDULE (March 1st 2020)

TAP SIZE	METER SIZE	TAP COST (See 1, 2 & 3 below)	METER COST	CAPITAL CHARGE IN FULL	OPTION 1:	CAPITAL CHARGE DOWN PAYMENT	OPTION 2:	**PRINCIPAL AMT. FINANCED**
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- * SPINNER METERS NOT COMPOUND = 2-INCH \$318.00, 3-INCH \$1,108.00, 4-INCH \$1,318.00 + \$85.00 AMR FEE. AMR PER METER.
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- * CMPD = COMPOUND METER *CONT = CONTRACTOR INSTALLED
- * WATER TAPS 1 1/2" AND LARGER AREA ON A COST ESTIMATE BASIS. FINAL CHARGES WILL BE COMPUTED UPON COMPLETION.
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**APPENDIX B
(WATER-SEWER MISC. FEES AND
CURRENT CHARGES)**

Waterford Township Water-Sewer Quarterly (3-Month) Billing Charges

(Customers Outside of the Township Geographic Boundary pay 1.5 times normal Township usage rates)

Water Usage Rates by Meter Size:

(Adjusted 1-1-2020)

1 C.F. (Cubic Foot) = 7.48 U.S. Gallons

<i>Rate Tiers:</i>	<i>Tier 1: (Minimum)</i>			<i>Tier 2: (Over Minimum): Charge per 100 C.F.</i>	
<u>Meter Size:</u>	<u>Minimum Charge:</u>	<u>Cubic Feet Allowed-Minimum:</u>	<u>Sprinkler Meter – Minimum:</u>	<u>Over Minimum:</u>	
				<u>Domestic:</u>	<u>Sprinkler:</u>
5/8"	\$18.70	1,000	\$12.47	\$2.34	\$2.78
1"	\$28.06	2,000	\$15.59	\$2.34	\$2.78
1 ½"	\$49.88	2,000	\$26.50	\$2.34	\$2.78
2"	\$77.94	2,000	\$42.09	\$2.34	\$2.78
3"	\$124.71	2,000	\$65.47	\$2.34	\$2.78
4"	\$182.39	2,000	\$96.65	\$2.34	\$2.78
6"	\$275.92	4,000		\$2.34	\$2.78
8"	\$377.25	6,000		\$2.34	\$2.78

Sewer Usage Rates:

(Adjusted 11-1-2019)

(Sewer Charges based off of Water Meter Reading, or a Flat charge if Customer does not have Public Water):

<i>Rate Tiers:</i>	<i>Tier 1: (Minimum)</i>		<i>Tier 2: (Over Minimum):</i>
<u>Meter Size:</u>	<u>Ready to Serve:</u>	<u>Cubic Feet Allowed-Minimum:</u>	<u>Charge per 100 C.F. (Starting at 0 to 999,999 C.F.):</u>
All Sizes	\$68.62	N/A	\$3.77
Flat Sewer No Water	\$127.38	-----	-----

*Flat Sewer is \$58.40 higher than water/sewer minimum because it is not metered, therefore 2nd rate tier does not apply and a statistical average is uniformly used for this customer class.

Water Fireline Services

(Adjusted 2-28-2011)

(Applies to Commercial Buildings with Fire Sprinkling Systems)

<u>Service Size:</u>	<u>Flat Quarterly Charge:</u>
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2"	\$60.00
3"	\$85.00
4"	\$110.00
6"	\$185.00
8"	\$215.00
10"	\$245.00
12"	\$275.00

- Fireline charges are flat "ready to serve" charges and are not metered.

Quarterly Commercial Surcharges (Charges per I.W.C – Industrial Waste Control)

(Adjusted 11-1-2019)

(Applies to Commercial Accounts with Sewer)

<u>Service Size:</u>	<u>Flat Quarterly Charge:</u>
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5/8"	\$10.14
1"	\$25.35
1 ½"	\$55.77
2"	\$81.12
3"	\$147.03
4"	\$202.80
6"	\$304.20
8"	\$507.00

* The Commercial Surcharges are set by the I.W.C. (Industrial Waste Control) Division of the D.W.S.D (Detroit Water and Sewerage Department). Waterford simply collects the Commercial Surcharge Fees and passes them on directly to Oakland County who ultimately passes them on to the Great Lakes Water-Sewer Authority. Waterford is obligated to charge all Commercial Customers these flat quarterly fees because Waterford is part of the "Clinton-Oakland" sewer system, and relies on the Authority for ultimate Waste Water Treatment and disposal. Waterford does not retain or realize any revenue from these charges.

Water Meters

(Adjusted 3-9-2020)

<u>Meter Size:</u>	<u>Meter Price:</u>	<u>AMR/AMI Unit: (Per AMR)</u>	<u>Tot. Meter Fee:</u>
5/8"	\$100.00	\$85.00	\$185.00
1"	\$185.00	\$85.00	\$270.00
1 ½"	\$385.00	\$85.00	\$470.00
2"	\$510.00	\$85.00	\$595.00
2" Compound	\$1,465.00	\$85.00	\$1,550.00
3" Compound	\$2,150.00	\$85.00	\$2,235.00
4" Compound	\$2,925.00	\$85.00	\$3,010.00
6" Compound	\$4,425.00	\$85.00	\$4,510.00
8" Compound	Quote	\$85.00	TBD

* AMR = Automatic Meter Read. AMI = Automatic Meter Interface. These units send their meter reads via radio signal to a fixed network collector. Meter prices are tied to metal prices.

Meter Testing Fees:

(Adjusted 3-9-2020)

When a customer disputes a meter's accuracy as outlined in Chapter 17 of the Township's Water/Sewer Ordinances, they may elect as part of the dispute resolution process to have the meter tested by a 3rd party. If the independent meter test results indicate that the meter is operating normally, the customer is responsible to pay for the meter testing fees. If the meter has a defect, the cost is paid by the DPW and a new meter is installed. Traditionally, the DPW passed along current testing rates that were established with testing vendors. The current fees are outlined below:

5/8" positive displacement meter bench test at the 3rd party facility \$40.00 each
 1" positive displacement meter bench test at the 3rd party facility \$73.00 each
 1.5" positive displacement meter bench test at the 3rd party facility \$200.00 each
 2" positive displacement meter bench test at the 3rd party facility \$245.00 each
 ** All other meters per 3rd party pricing/quote. **

Hydrant Use Fees

(Adjusted 2-28-2011)

Hydrant Rental Fee:

\$150.00

Hydrant Water Usage Fee:

\$2.34 per 100 C.F.

* Customer/Contractor needs to contact the DPW for this temporary water service. A Hydrant Meter with proper backflow device is mandatory for these applications and must be set and administered by the DPW.

Turn Water On/Off Fees

(Adjusted 2-28-2011)

Water Turn On Fee:

\$30.00

Water Turn Off Fee:

\$30.00

* Flat fee charged when Customer requests the water to be turned on or off at the curb box located at the property line by the public water main. Fee includes DPW field time to locate, expose and complete the service, as well as administrative time. This water shut down method is suggested whenever customers are going to be away from their home/business for an extended period of time.

Cut and Cap Abandoned Service Line Fees

(Adjusted 3-9-2020)

Cut and Cap Fee:

\$70.00 * Fee charged when homes and businesses demo their facilities and/or terminate water/sewer services with the DPW.

Automatic Meter Read (AMR) 'Opt Out' Fee:

(Adjusted 3-9-2020)

\$10.30 - Quarterly * Fee to be assessed when customer has been offered and has declined to receive an Automatic Meter Reading (AMR) Unit to be installed at their home or business. The fee is to cover the additional cost of manually obtaining the read, vehicle gas/wear and tear and manual time spent processing such meter reads.