

# **Water Rates in Delaware and Surrounding States**

Draft July 2017

Prepared by:

University of Delaware  
Water Resources Center  
DGS Annex, Academy Street  
Newark, DE 19716

[www.wrc.udel.edu](http://www.wrc.udel.edu)

[www.ipa.udel.edu](http://www.ipa.udel.edu)

# Water Rates in Delaware and Surrounding States

December 2017

## Introduction

The University of Delaware Water Resources Center (DWRC) conducts inventories of water rates for public and investor-owned water utilities within Delaware and the surrounding states of Pennsylvania, New Jersey, and Maryland. This 2017 survey is an update of previous reports prepared in 2000, 2004, 2008, 2011, 2012, 2013, and 2015.

Note that the costs and rates charged for water services differ in many respects between public and investor-owned purveyors. For example, public purveyors have sources of capital and revenue that are assumed by the tax payers but are not reflected in the water rates. For such public purveyors, finances can be intermingled with other municipal departments, thus revenues and costs are shared with other city functions. Investor-owned purveyors, unlike public purveyors, can charge rates to cover operating costs and earn profit. Additionally, expenses paid by investor-owned purveyors, primarily taxes, are not paid by the public purveyor. It is important to consider this information related to water service and rates charged for water service (which often varies by state) when comparing public and investor-owned purveyors. Additional information on this topic can be found by reading the EPA “Four Pillars Approach – Rates that Reflect the Full Cost of Services” at <http://www.epa.gov/waterinfrastructure/>.

## Methods

The DWRC contacted water utilities by e-mail, telephone, or website and collected water rate and tariff data from over 50 water purveyors in the four states. We used these assumptions to compute residential water rates: (a) quarterly residential water use equal to 15,000 gallons per customer (5,000 gallons per month) and (b) the average residential water meter is 5/8 inch or 3/4-inch diameter.

The following formula was used to calculate the average residential water rate per quarter:

$$AQC = SC + FP + X(QCR) + QU + DC$$

Where:

- AQC = Average Quarterly Charge (\$/quarter)
- SC = Service Charge (\$/quarter)
- FP = Fire Protection Fee (\$/quarter)
- X = Quarterly Residential Water Use (15,000 gallons/quarter)
- QCR = Quarterly Consumption Rate (\$/1,000 gallons)
- QU = Quarterly Use Fee (\$/quarter)
- DC = Distribution Improvement Charge (\$/quarter)

Assuming the average residential unit uses an average of 15,000 gallons per quarter, AQC (\$/quarter) is divided by 15 and this value is equal to the quarterly rate per 1,000 gallons. Two additional conversions are important for analysis. If the water purveyor charges monthly fees rather than quarterly fees, the water rates are converted to quarterly rates by multiplying the monthly rate by three.

If the water purveyor charges fees based on cubic feet rather than gallons, the rates are converted given that 1 cubic foot = 7.48 gallons. See the following sample calculation of residential water rates.

Given:

- AQC = Average Quarterly Charge = \$X/quarter
- SC = Service Charge = \$20.00/quarter
- FP = Fire Protection Fee = \$5.00/quarter
- X = 15,000 gallons used quarterly
- QCR = Quarterly Consumption Rate = \$2.00/1,000 gallons
- QU = Quarterly Use Fee = \$0.00/quarter
- DC = Distribution Charge = \$0.00/quarter

Therefore:

$$AQC = \$20.00 + \$5.00 + 15,000(\$2.00/1,000 \text{ gal}) + \$0.00 + \$0.00 = \$55.00/\text{quarter}$$

$$\text{Average Quarterly Rate} = AQC/15 = \$55.00/15 = \$3.67/1,000 \text{ gal}$$

### Summary

The water rate survey includes public- and investor-owned utilities in Delaware and surrounding states of Pennsylvania, New Jersey, and Maryland. For all water purveyors surveyed, the mean water rate is \$6.45/1,000 gallons and rates range from \$1.73/1000 gallons to \$14.21/1000 gallons (Table 1). The mean water rate is ranges from \$6.13/1,000 gallons for public water purveyors to \$10.90 for investor-owned water purveyors. Tables 2-7 summarize water rates for the water purveyors in Delaware, Maryland, New Jersey, and Pennsylvania.

**Table 1.** Mean residential water rates (2000-2015)

Purveyor Category	2000 Mean (\$/1,000 gal.)	2004 Mean (\$/1,000 gal.)	2008 Mean (\$/1,000 gal.)	2011 Mean (\$/1,000 gal.)	2015 Mean (\$/1,000 gal.)
Public	2.97	3.32	4.44	5.34	6.13
Investor	4.85	6.24	6.46	9.02	10.90
All	3.29	3.70	4.78	5.69	6.45

Assumes quarterly residential water use of 15,000 gallons per customer

**Table 2.** Residential water rates in Maryland (2000-2015)

Purveyor	2000 (\$/1,000 gal)	2004 (\$/1,000 gal)	2008 (\$/1,000 gal)	2011 (\$/1,000 gal)	2015 (\$/1000 gal)
Baltimore City DPW			1.51	3.75	
Cecil County DPW			7.00	7.00	9.73
Elkton	1.62				
In Town		1.75	2.15	2.80	4.16
Out of Town		3.50	4.30	5.60	8.32
Perryville Water Dept.	3.00	3.00	6.67	7.25	7.41

Assumes quarterly residential water use of 15,000 gallons per customer

**Table 3. Residential water rates in New Castle County, Delaware (2000-2017)**

<b>Purveyor</b>	<b>2000 (\$/1000 gal)</b>	<b>2004 (\$/1000 gal)</b>	<b>2008 (\$/1000 gal)</b>	<b>2012 (\$/1000 gal)</b>	<b>2013 (\$/1000 gal)</b>	<b>2015 (\$/1000 gal)</b>	<b>2017 (\$/1000 gal)</b>
Artesian Water Co.	4.90	6.17	8.43	10.34	10.54	12.47	12.90
Delaware City	3.14	4.24	5.85	5.85	5.85	5.85	5.85
Middletown		3.08	2.56				
Newark							
Inside City		3.34	3.34	5.92	6.22	7.15	7.84
(Dec-Aug)	1.82						
(Sep-Nov)	2.11						
Outside City		4.65	4.65	8.16	8.57	9.84	10.52
(Dec-Aug)	2.43						
(Sep-Nov)	2.82						
New Castle MSC	3.40	4.28					
(Oct-Jun)			5.20	6.84	6.84	8.95	8.95
(Jul-Sep)			5.38	9.47	9.47	9.13	
Tidewater Utilities	4.89	5.95	8.60	12.48	12.56	12.90	13.17
United Water DE (SUEZ)	4.90	4.70	5.44	6.28	7.83	7.83	8.84
Wilmington							
Inside City	1.70	1.77	2.95	4.88	5.32	6.26	6.47
Outside City	2.86	3.34	4.97	8.23	8.97	10.54	10.90

Assumes quarterly residential water use of 15,000 gallons per customer

**Table 4. Residential water rates in Kent County, Delaware (2000-2015)**

<b>Purveyor</b>	<b>2000 (\$/1,000 gal)</b>	<b>2004 (\$/1,000 gal)</b>	<b>2008 (\$/1,000 gal)</b>	<b>2011 (\$/1,000 gal)</b>	<b>2015 (\$/1,000 gal)</b>
Camden-Wyoming		6.16	7.14	7.14	7.14
Clayton Water		2.17	3.83	4.10	4.73
Dover					
Inside City	1.90	2.35	2.53	3.08	3.17
Outside City	2.85	3.53	3.76	4.48	4.67
Felton			2.53		
In Town		2.53		2.53	
Outside Town		3.80			
Frederica		3.33	4.33	4.33	
Greenwood		4.00	6.40	6.40	4.40
Harrington		2.24	5.58	6.41	
Magnolia					
In Town		3.33	3.67	3.67	3.67
Outside Town		4.00	4.33	4.33	4.33
Smyrna		2.87			
In Town			2.87	5.40	4.63
Outside Town			5.33	10.80	9.27

Assumes quarterly residential water use of 15,000 gallons per customer

**Table 5.** Residential water rates in Sussex County, Delaware (2000-2015)

<b>Purveyor</b>	<b>2000 (\$/1,000 gal)</b>	<b>2004 (\$/1,000 gal)</b>	<b>2008 (\$/1,000 gal)</b>	<b>2011 (\$/1,000 gal)</b>	<b>2015 (\$/1,000 gal)</b>
Bridgeville		3.58	3.00	3.53	3.53
Delmar		2.50	2.50	4.55	5.10
Georgetown	2.75				
In Town		2.82	5.43	5.43	5.46
Outside Town		4.23	6.98	6.98	7.03
Laurel		3.95	3.74	3.74	3.74
Lewes Public Works	1.72	2.71			
In Town			2.46	4.56	4.57
Outside Town			3.20	6.69	6.62
Milford	2.33				
In Town		2.20	3.67	3.67	3.95
Outside Town		3.50	5.50	5.50	
Millsboro		1.70	3.00	3.00	
Milton		3.63			
In Town			5.33	5.33	5.33
Outside Town			7.67	7.67	7.67
Rehoboth					
In Town					
(Oct-Mar)	1.33	1.49	2.00	2.30	2.30
(Apr-Sep)	1.83	2.15	2.87	3.30	3.30
Outside Town					
(Oct-Mar)	2.67	2.98	4.00	4.60	4.61
(Apr-Sep)	3.67	4.30	5.74	6.60	6.61
Seaford		2.08	2.08	2.08	6.25
Selbyville		3.60	4.27	4.27	4.27
Sussex County DPW	2.45	3.80	2.95	3.09	3.09

Assumes quarterly residential water use of 15,000 gallons per customer

**Table 6.** Residential water rates in New Jersey (2000-2015)

<b>Purveyor</b>	<b>2000 (\$/1,000 gal.)</b>	<b>2004 (\$/1,000 gal)</b>	<b>2008 (\$/1,000 gal)</b>	<b>2011 (\$/1,000 gal)</b>	<b>2015 (\$/1000 gal)</b>
Berlin Borough		3.00	4.33	4.33	4.63
Brick Township MUA		4.18			
Camden	3.70	3.70	3.70	4.76	4.78
Evesham MUA		2.78			
AMR system			2.25	7.70	
Exempt AMR system			2.65	7.09	
Medford Twp. Utilities		2.30	2.49	4.00	4.00
Merchantville- Pennsauken		1.86		2.43	4.07
NJ American Water Co.	5.22	5.96			
Non-exempt			6.83	7.70	
Exempt			5.92	7.09	
Salem	2.89	5.71	2.93	2.93	4.13
Trenton	3.27	3.27	7.09	7.09	5.91
Washington Twp.MUA		2.17	1.73	1.73	1.73

Assumes quarterly residential water use of 15,000 gallons per customer

**Table 7. Residential water rates in Pennsylvania (2000-2015)**

<b>Purveyor</b>	<b>2000 (\$/1,000 gal)</b>	<b>2004 (\$/1,000 gal)</b>	<b>2008 (\$/1,000 gal)</b>	<b>2011 (\$/1,000 gal)</b>	<b>2015 (\$/1000 gal)</b>
Ambler Borough		3.84	5.79	5.79	5.46
Aqua Pennsylvania	5.36	7.02	10.27	10.27	11.25
Bucks County WSA		3.45			
New Hope, Solebury			4.82	4.82	6.57
Middletown Township			3.93	3.93	
Langhorne & Pennel			4.02	4.02	
Chester Water Authority					
Village Green East	4.20	5.40	6.14	9.18	
Village Green West	5.33	6.28	7.06	10.22	8.34
Coatesville (PAWCo)	5.88	6.50	9.21	10.49	
Downingtown MWA	5.75	6.50	7.65	9.58	13.30
Lehigh County Authority		2.70			
Madison Park North				8.28	
Upper Milford				6.87	
Welshtown Road				6.55	
Newtown Artesian Water		5.58	8.46		
Newtown Artesian				5.68	6.70
Indian Rock Area				6.64	
North Wales Water Auth.	4.40	4.40			
(Nov-Mar)			4.40	4.40	4.40
(Apr-Oct)			6.00	6.00	6.00
PA American Water Co.		7.38	9.21	10.49	14.21
Philadelphia Water Dept.	2.17	2.91	3.93	5.18	6.68
Phoenixville Water Dept.		4.10			3.65

Assumes quarterly residential water use of 15,000 gallons per customer

## Appendix A

### Residential Water Rates, New Castle County, Delaware (2017)

	A	B	C			D	E	E/15= F	E x 4 = G
Water Utility	Service Charge (\$)	Public Fire Protection (\$)	Rate (\$)	Rate (\$)	Rate (\$)	Distribution Improvement Charge (\$)	Total Average Quarterly Charge (A+B+C+D=E)	Average Quarterly Rate (\$/1,000)	Average Annual Charge
<b>Artesian Water Company</b>	Monthly	Monthly	\$7.347/1,000 gal (0-2,000 gal)	\$7.943/1,000 (2,001-7,000 gal)	\$9.263/1,000 (>7,000 gal)	4.71% after 7/1/17			
	\$16.49	\$6.59	\$14.69	\$23.83	\$0.00	\$2.90	\$193.51	<b>\$12.90</b>	\$774.05
<b>Delaware City</b>	Monthly	Monthly	\$3.25/1,000 gal (0-15,000 gal)	\$3.75/1,000 gal (15,001-25,000 gal)					
	\$13.00	\$0.00	\$16.25	\$0.00	\$0.00	\$0.00	\$87.75	<b>\$5.85</b>	\$351.00
<b>Newark</b>									
Inside City		Quarterly	\$5.329/100 cubic feet (0-1,273 cf)	\$6.802/100 cubic feet (>1,273 cf)					
	\$0.00	\$0.00	67.84	49.81	\$0.00	\$0.00	\$117.65	<b>\$7.84</b>	\$470.61
Outside City		Quarterly	\$7.099/100 cubic feet (0-1,273 cf)	\$9.206/100 cubic feet (over 1,273 cf)					
	\$0.00	\$0.00	90.37	67.42	\$0.00	\$0.00	\$157.79	<b>\$10.52</b>	\$631.16
<b>New Castle Municipal Services Commission</b>	Monthly	Monthly	\$0.0070/gal						
	\$8.25	\$1.50	\$35.00	\$0.00	\$0.00	\$0.00	\$134.25	<b>\$8.95</b>	\$537.00
July through September			\$0.0070/gal (0-4,000 gal)	\$0.0079/gal (>4,000 gal)					
	\$8.25	\$1.50	\$28.00	\$7.90	\$0.00	\$0.00	\$136.95	<b>\$9.13</b>	\$547.80
<b>Tidewater Utilities</b>	Monthly	Fire Hydrant Districts	\$8.2074/1,000 gal (0-5,000 gal)	\$8.3131/1,000 (5,001-20,000 gal)	\$8.7104/1,000 (>20,000 gal)	2.43% after 7/1/17			
	\$18.20	\$5.03	\$41.04	\$0.00	\$0.00	\$1.56	\$197.49	<b>\$13.17</b>	\$789.94
<b>SUEZ Delaware</b>	Monthly	Monthly	\$4.5387/1,000 (0-2000 gal)	\$5.4864/1,000 (2001-7,000 gal)	\$7.6882/1,000 (>7,000 gal)	0.00% after 4/5/16			
	\$15.10	\$3.55	\$9.08	\$16.46	\$0.00	\$0.00	\$132.56	<b>\$8.84</b>	\$530.24
<b>Wilmington</b>									
Inside City	Monthly allowance of 2,667 gal		\$0.00/1,000 gal (0-2,667 gal)	\$5.628/1,000 gal(2,667-5000 gal)	\$7.034/1,000 gal (>5,000 gal)				
	\$19.40	\$0.00	\$0.00	\$12.94	\$0.00	\$0.00	<b>\$97.03</b>	<b>\$6.47</b>	\$388.13
Outside City	Monthly allowance 2,667 gal		\$0.00/1,000 gal (0-2,667 gal)	\$10.189/1,000 gal (2,668-5,000 gal)	\$12.730/1000 gal (>5,000 gal)				
	\$31.06	\$0.00	\$0.00	\$23.43	\$0.00	\$0.00	<b>\$163.48</b>	<b>\$10.90</b>	\$653.94

**Appendix B**  
Residential Water Rates, 2015

2015	A	B	C						D	E	E/15= F	E x 4 = G
Water Utility	Service Charge (\$)	Public Fire Protection (\$)	Rate (\$)	Rate (\$)	Rate (\$)	Rate (\$)	Rate (\$)	Rate (\$)	Use Fee (\$)	Total Average Quarterly Charge (A+B+C+D=E)	Average Quarterly Rate (\$/1,000)	Average Annual Charge
Camden-Wyoming	\$28.83		\$5.22/1,000 gal (0-15,000 gal)							\$107.13	\$7.14	\$428.52
			\$78.30									
Clayton			\$9.50/1,000 gal (0-2,000 gal)	\$4.00/1,000 gal (>2,000 gal)						\$71.00	\$4.73	\$284.00
			\$19.00	\$52.00								
<b>Dover</b>												
Inside City	\$2.50		\$3.00/1,000 gal (0-15,000 gal)									
			\$45.00							\$47.50	\$3.17	\$190.00
Outside City	\$2.50		\$4.50/1,000 gal (0-15,000 gal)									
			\$67.50						\$70.00	\$4.67	\$280.00	
Felton	\$38.00		\$2.00/1,000 gal (>15,000 gal)						debt service fee			
			\$30.00						\$26.00	\$94.00	\$6.27	\$376.00
Frederica	\$65.00											
									\$65.00	\$4.33	\$260.00	
Harrington	\$35.00		\$3.25/1,000 gal									
			\$48.75						\$83.75	\$5.58	\$335.00	
<b>Magnolia</b>												
Inside Town	\$55.00											
									\$55.00	\$3.67	\$220.00	
Outside Town	\$65.00											
									\$65.00	\$4.33	\$260.00	
Milford	Monthly		\$3.25/1,000 gal (1,001-4,000 gal) (Monthly)	\$3.50/1,000 gal (4,001-8,000 gal) (Monthly)						\$59.25	\$3.95	\$237.00
	\$3.25		\$13.00	\$3.50								
<b>Smyrna</b>												
Inside City			First 3,000 gallons	\$3.31/1,000 gal (3,001-4,000 gallons)	\$4.41/1,000 gal (4,001-6,000)	\$5.51/1,000 gal (6,001-7,000)	\$6.62/1,000 gal (7,001-10,000 gal)	\$4.41/1,000 gal (10,001-15,000 gal)		\$69.47	\$4.63	\$277.88
			\$9.92	\$3.31	\$8.82	\$5.51	\$19.86	\$22.05				
Outside City			First 3,000 gallons	\$6.62/1,000 gal (3,001-4,000 gallons)	\$8.82/1,000 gal (4,001-6,000)	\$11.02/1,000 gal (6,001-7,000)	\$13.24/1,000 gal (7,001-10,000 gal)	\$8.82/1,000 gal (10,001-15,000 gal)		\$139.02	\$9.27	\$556.08
			\$19.92	\$6.62	\$17.64	\$11.02	\$39.72	\$44.10				



2015	A	B	C			D	E	E/15= F	E x 4 = G
Water Utility	Service Charge (\$) quarterly	Public Fire Protection (\$)	Rate (\$)	Rate (\$)	Rate (\$)	Use Fee (\$)	Quarterly Charge (A+B+C+D=E)	Quarterly Rate (\$/1,000)	Annual Charge
<b>Bridgeville</b>	\$3.50		\$2.79/1,000 gal (0-5,000 gal)	\$3.35/1,000 (5,001-10,000 gal)	\$3.75/1,000 (>10,000 gal)		\$52.95	\$3.53	\$211.80
			\$13.95	\$16.75	\$18.75				
<b>Delmar</b>	\$16.45		\$4.00/1,000 gal (0-15,000 gal)				\$76.45	\$5.10	\$305.80
			\$60.00						
<b>Felton</b>	\$38.00		\$2.00/1,000 gal (>15,000 gal)			debt service fee	\$94.00	\$6.27	\$376.00
			\$30.00			\$26.00			
<b>Frederica</b>	\$65.00						\$65.00	\$4.33	\$260.00
<b>Georgetown</b>									
Inside City	\$35.00		\$3.13/1,000 gal				\$81.95	\$5.46	\$327.80
			\$46.95						
Outside City	\$35.00		\$4.70/1,000 gal				\$105.50	\$7.03	\$422.00
			\$70.50						
<b>Greenwood</b>	\$66.00						\$66.00	\$4.40	\$264.00
<b>Harrington</b>	\$35.00		\$3.25/1,000 gal				\$83.75	\$5.58	\$335.00
			\$48.75						
<b>Laurel</b>	\$56.10						\$56.10	\$3.74	\$224.40
<b>Lewes BPW</b>									
Inside City	\$45.00		\$0.90/1,000 gal (0-4,500 gal)	\$1.65/1,000 gal (4,501-9,000 gal)	\$2.00/1,000 gal (>9,000 gal)		\$68.48	\$4.57	\$273.90
			\$4.05	\$7.43	\$12.00				
Outside City	\$65.25		\$1.31/1,000 gal (0-4,500 gal)	\$2.39/1,000 gal (4,501-9,000 gal)	\$2.90/1,000 gal (>9,000 gal)		\$99.30	\$6.62	\$397.20
			\$5.90	\$10.76	\$17.40				
<b>Milton</b>									
Inside Town	\$35.00		\$3.00/1000 gal				\$80.00	\$5.33	\$320.00
			\$45.00						
Outside Town	\$70.00		\$3.00/1000 gal				\$115.00	\$7.67	\$460.00
			\$45.00						
<b>Rehoboth Beach</b>									
Inside City	Winter		\$1.67/1,000 gal				\$34.55	\$2.30	\$138.20
	\$9.50		\$25.05						
	Summer		\$2.67/1,000 gal				\$49.55	\$3.30	\$198.20
	\$9.50		\$40.05						
\$19.00		\$80.10							
<b>Seaford</b>			\$18.70/month for 9,000 gal				\$93.69	\$6.25	\$374.75
			\$93.69						
<b>Selbyville</b>			\$64.00/18,000 gal				\$64.00	\$4.27	\$256.00
			\$64.00						
<b>Sussex County DPW</b>	\$46.29						\$46.29	\$3.09	\$185.16

2015	A	B	C			D	E	E/15= F
Water Utility	Service Charge (\$)	Fire Protection (\$)	Quarterly Rate (\$)	Quarterly Rate (\$)	Quarterly Rate (\$)	Quarterly Use Fee (\$)	Quarterly Charge (A+B+C+D=E)	Quarterly Rate (\$/1,000)
Ambler Borough			\$2.84/1,000 gal (0-110,000 gal)					
	\$7.73	\$36.51	\$42.59				\$86.83	\$5.79
AQUA Pennsylvania (Main Division) <sup>1</sup>			\$7.047/1,000 (0-2,000)	\$8.031/1,000 (2000-15,000 gal)				
	\$13.15	\$0.00	\$14.09	\$24.09	\$0.00	\$0.00	\$154.01	\$10.27
Bucks County Water & Sewer Authority								
New Hope, Solebury	Minimum Charge (4,000 gal)		\$4.25/1,000 gal (to 19,000)					
	\$25.48	\$0.00	\$46.75		\$0.00	\$0.00	\$72.23	\$4.82
Middletown Twp.	Minimum Charge (4,000 gal)		\$3.19/1,000 gal					
	\$23.88	\$0.00	\$35.09		\$0.00	\$0.00	\$58.97	\$3.93
Langhorne, Pennel	Minimum Charge (4,000 gal)		\$3.14/1,000 gal					
	\$25.69	\$0.00	\$34.54		\$0.00	\$0.00	\$60.23	\$4.02
Chester Water Authority								
Village Green East	\$12.10/mo.		\$4.61/1000 gal. (0-25,000 gal.)	\$2.96/1000 gal. (>25,000 gal.)				
	\$36.30	\$32.30	\$69.15	\$0.00			\$137.75	\$9.18
Village Green West	\$9.40/mo.		\$5.92/1000 gal. (0-25,000 gal.)	\$4.15/1000 gal. (>25,000 gal.)				
	\$28.20	\$36.30	\$88.80	\$0.00			\$153.30	\$10.22

2015	A	B	C		D	E	E/15= F	
Water Utility	Service Charge (\$)	Fire Protection (\$)	Quarterly Rate (\$)	Quarterly Rate (\$)	Quarterly Rate (\$)	Average Quarterly Fee (\$)	Total Quarter Charge (A+B+C+D=E)	Average Quarterly Rate (\$/1,000)
<b>Downingtown Municipal Water Auth.</b>			\$1.50/1000 gal. (<5,000 gal.)	\$7.69/1000 gal. (>5000 gal.)				
	\$57.00	\$2.32	\$7.50	\$76.90	\$0.00		\$143.72	\$9.58
<b>Lehigh Co. Authority</b>								
<b>Madison Park North</b>			\$7.50/1000 gal.					
	\$11.70	\$0.00	\$112.50				\$124.20	\$8.28
<b>Upper Milford</b>			\$5.47/1000 gal.					
	\$21.00	\$0.00	\$82.05				\$103.05	\$6.87
<b>Welshtown Road</b>			\$60 (0-8,000 gal)	\$5.47/1000 gal. (>8000 gal.)				
	\$0.00	\$0.00	\$60.00	\$38.29			\$98.29	\$6.55
<b>Newtown Artesian Water Company</b>					Purchase water adjustment			
<b>Newtown Artesian</b>			\$4.37/1000 gal.		\$0.1909/ 1000 gal.			
	\$16.72	\$0.00	\$65.55		\$2.86		\$85.13	\$5.68
<b>Indian Rock Area</b>			\$5.33/1000 gal.		\$0.1909/1000 gal.			
	\$16.72	\$0.00	\$79.95		\$2.86		\$99.53	\$6.64
<b>North Wales WA</b>								
Nov-Mar			\$3.60/1000 gal.					
	\$12.00	\$0.00	\$54.00				\$66.00	\$4.40
April-Oct			\$5.20/1000 gal					
	\$12.00	\$0.00	\$78.00				\$90.00	\$6.00
<b>Pennsylvania American Water Co.</b>	\$13.00/mo.		\$7.89/1000 gal (0-15000 gal.)					
	\$39.00	\$0.00	\$118.35				\$157.35	\$10.49
<b>Philadelphia Water Department<sup>1</sup></b>	\$5.94/mo.		3.99/1000 gal (0-14,960 gal)					
	17.82	\$0.00	\$59.85				\$77.67	\$5.18
<b>Phoenixville Water Dept.</b>			12,500-15,000 gal					
Inside Borough	0-12,500 gal	\$288.15 per year	\$4.22/1000 gal (12,500-15,000 gal)					
	\$44.13	\$72.04	\$10.55				\$126.72	\$8.45

2015	A	B	C	D	E	E/15= F		A
Water Utility	Service Charge (\$)	Fire Protection (\$)	Quarterly Rate (\$)	Quarterly Rate (\$)	Quarterly Rate (\$)	Average Quarterly Use Fee (\$)	Total Average Quarterly Charge (A+B+C+D+E)	Average Quarterly Rate (\$/1,000)
<b>Berlin Borough</b>			\$3.10/1,000 gal (first 5,000)	\$3.10/1,000 gal (5,000-10,000)	\$3.20/1,000 gal (5,000-15,000)			
	\$18.00	\$0.00	\$15.50	\$15.50	\$16.00	\$0.00	\$65.00	\$4.33
<b>Camden</b>			\$3.00/1000 gal (0-11,220 gal)	\$4.50/1000 gal 11220-15000				
	\$20.75	\$0.00	\$33.66	\$17.01	\$0.00	\$0.00	\$71.42	\$4.76
<b>Evesham Municipal Utilities Authority</b>			\$1.65/1,000 gal (1,000-16,000)					
AMR System	\$9.00	\$0.00	\$24.75			\$0.00	\$33.75	\$2.25
No AMR System	\$15.00	\$0.00	\$24.75	\$0.00	\$0.00	\$0.00	\$39.75	\$2.65
<b>Medford Township</b>	Min. Charge (0-5,000 gal)		\$3.50/1,000 gal (5,001-20,000)					
	\$25.00	\$0.00	\$35.00	\$0.00	\$0.00	\$0.00	\$60.00	\$4.00
<b>Merchantville-Pennsauken Water</b>	(0-6732 gal)		\$2.14/1000 gal (6732-15000) gal					
	\$18.75		\$17.68				\$36.43	\$2.43
<b>N.J. American Water Co.</b>								
Non-exempt			\$5.70/1,000 gal					
	\$30.00	\$0.00	\$85.50		\$0.00	\$0.00	\$115.55	\$7.70
Exempt			\$5.09/1,000 gal					
	\$30.00	\$0.00	\$76.35		\$0.00	\$0.00	\$106.35	\$7.09
<b>Salem</b>	15,000 gal/6 mon \$52.16		\$2.39/1,000 gal (7500-15000 gal)					
	\$26.08 (3 months)	\$0.00	\$17.92		\$0.00	\$0.00	\$44.01	\$2.93
<b>Washington Township MUA</b>	Allowance 10,000 gal		\$1.60/1,000 gal (10,000-15,000)					
	\$18.00	\$0.00	\$8.00	\$0.00	\$0.00	\$0.00	\$26.00	\$1.73
<b>Trenton</b>		(charge per hydrant)	\$15.11/1,000 cf <sup>3</sup> \$2.02/1000 gal					
	\$33.03	\$42.96	\$30.30		\$0.00	\$0.00	\$106.29	\$7.09

2015	A	B	C			D	E	E/15= F
Water Utility	Service Charge (\$)	Fire Protection (\$)	Quarterly Rate (\$)	Quarterly Rate (\$)	Quarterly Rate (\$)	Average Quarterly Use Fee (\$)	Total Average Quarterly Charge (A+B+C+D=E)	Average Quarterly Rate (\$/1,000)
<b>Baltimore City Dept. of Public Works</b>			\$2.691 (first 50 units per quarter)					
	\$29.34	\$0.00	\$26.91	\$0.00	\$0.00	\$0.00	\$56.25	\$3.75
<b>Cecil County Dept. of Public Works</b>			\$7.00/1000 gal.					
	\$0.00	\$0.00	\$105.00				\$105.00	\$7.00
<b>Elkton</b>								
Inside Town			0-9,000 gal. min.	\$2.80/1000 gal (9,000-15,000 gal)				
	\$0.00	\$0.00	\$25.20	\$16.80			\$42.00	\$2.80
Outside Town			0-9,000 gal. min.	\$5.60/1000 gal (9,000-15,000 gal)				
	\$0.00	\$0.00	\$50.40	\$33.60			\$84.00	\$5.60
<b>Perryville Dept. of Water</b>	First 2,500 gal		\$7.25/1000 gal (2500-15000 gal.					
	\$18.13	\$0.00	\$90.63				\$108.75	\$7.25

<sup>1</sup>Billed monthly rather than quarterly

<sup>2</sup>1 EDU=200 gallons per day

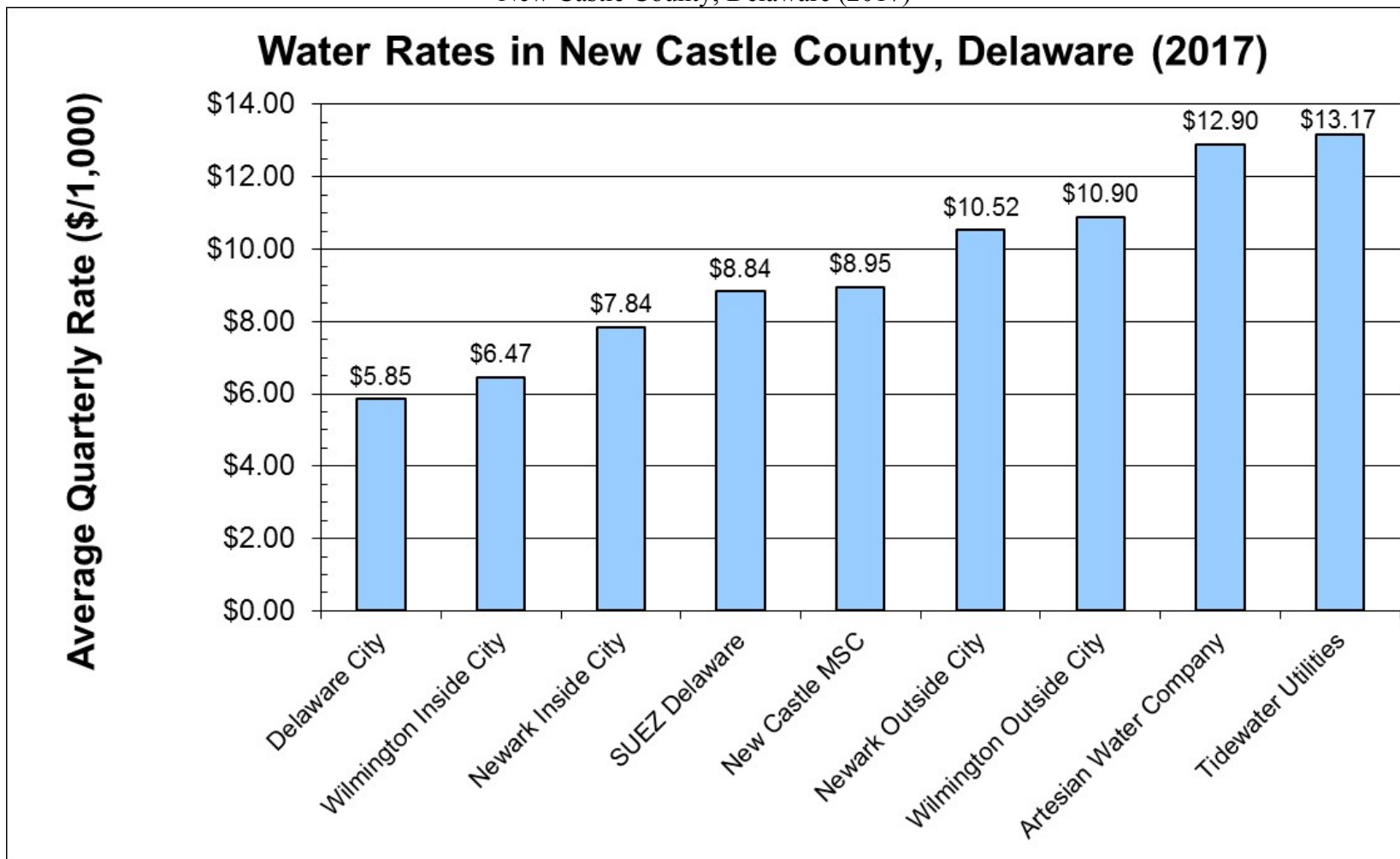
<sup>3</sup>1 EDU=9,000 gallons per day

<sup>4</sup>1 cubic foot = 7.48 gallons and 15,000 gallons = 1,995 cubic feet

<sup>5</sup>Billed every six months

<sup>6</sup>1 unit=748 gallons

**Appendix C**  
Average Quarterly Water Rates  
New Castle County, Delaware (2017)



**Appendix D**  
Average Annual Water Bill  
New Castle County, Delaware (2017)

