

Water Rates in Delaware and Surrounding States

Draft November 2018

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Introduction

The University of Delaware Water Resources Center (DWRC) conducted a survey of water rates for public and investor-owned water utilities within Delaware and surrounding states of Pennsylvania, New Jersey, and Maryland. This 2018 survey is an update of previous reports prepared in 2000, 2004, 2008, 2011, 2012, 2013, 2015, and 2017.

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:

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

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

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 2017 mean water rate is \$6.94/1,000 gallons and rates range from \$1.73/1000 gallons to \$14.21/1000 gallons (Table 1). The mean water rate ranges from \$6.51/1,000 gallons for public water purveyors to \$12.29 for investor-owned water purveyors. Tables 2 through 7 summarize water rates for water purveyors in Delaware, Maryland, New Jersey, and Pennsylvania.

Table 1. Mean residential water rates (2000-2017)

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)	2017 Mean (\$/1,000 gal)
Public	2.97	3.32	4.44	5.34	6.13	6.51
Investor	4.85	6.24	6.46	9.02	10.90	12.29
All	3.29	3.70	4.78	5.69	6.45	6.94

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

Table 2. Residential water rates in Maryland (2000-2017)

Purveyor	2000 (\$/1,000 gal)	2004 (\$/1,000 gal)	2008 (\$/1,000 gal)	2011 (\$/1,000 gal)	2015 (\$/1,000 gal)	2017 (\$/1,000 gal)
Baltimore City DPW			1.51	3.75		4.43
Cecil County DPW			7.00	7.00	9.73	
Elkton	1.62					
Inside Town		1.75	2.15	2.80	4.16	4.16
Outside Town		3.50	4.30	5.60	8.32	8.32
Perryville Water Dept.	3.00	3.00	6.67	7.25	7.41	8.31

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

Table 3. Residential water rates in New Castle County, Delaware (2000-2018)

Purveyor	2000 (\$/1,000 gal)	2004 (\$/1,000 gal)	2008 (\$/1,000 gal)	2012 (\$/1,000 gal)	2015 (\$/1,000 gal)	2017 (\$/1,000 gal)	2018 (\$/1,000 gal)
Artesian Water Co.	4.90	6.17	8.43	10.34	12.47	12.90	12.77
Delaware City	3.14	4.24	5.85	5.85	5.85	5.85	6.74
Middletown		3.08	2.56				
Newark							
Inside City		3.34	3.34	5.92	7.15	7.84	7.84
(Dec-Aug)	1.82						
(Sep-Nov)	2.11						
Outside City		4.65	4.65	8.16	9.84	10.52	10.52
(Dec-Aug)	2.43						
(Sep-Nov)	2.82						
New Castle MSC	3.40	4.28					
(Oct-Jun)			5.20	6.84	8.95	8.95	9.77
(Jul-Sep)			5.38	9.47	9.13	9.13	9.83
Tidewater Utilities	4.89	5.95	8.60	12.48	12.90	13.17	13.01
United Water (SUEZ DE)	4.90	4.70	5.44	6.28	7.83	8.84	9.04
Wilmington							
Inside City	1.70	1.77	2.95	4.88	6.26	6.47	7.21
Outside City	2.86	3.34	4.97	8.23	10.54	10.90	12.28

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

Table 4. Residential water rates in Kent County, Delaware (2000-2017)

Purveyor	2000 (\$/1,000 gal)	2004 (\$/1,000 gal)	2008 (\$/1,000 gal)	2011 (\$/1,000 gal)	2015 (\$/1,000 gal)	2017 (\$/1,000 gal)
Camden-Wyoming		6.16	7.14	7.14	7.14	6.98
Clayton Water		2.17	3.83	4.10	4.73	4.73
Dover						
Inside City	1.90	2.35	2.53	3.08	3.17	3.17
Outside City	2.85	3.53	3.76	4.48	4.67	4.67
Felton						
Inside Town		2.53	2.53	2.53		5.40
Outside Town		3.80				7.77
Frederica		3.33	4.33	4.33		7.61
Harrington		2.24	5.58	6.41		5.58
Magnolia						
Inside Town		3.33	3.67	3.67	3.67	3.67
Outside Town		4.00	4.33	4.33	4.33	
Smyrna						
Inside Town		2.87	2.87	5.40	4.63	5.33
Outside Town			5.33	10.80	9.27	10.65

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

Table 5. Residential water rates in Sussex County, Delaware (2000-2017)

Purveyor	2000 (\$/1,000 gal)	2004 (\$/1,000 gal)	2008 (\$/1,000 gal)	2011 (\$/1,000 gal)	2015 (\$/1,000 gal)	2017 (\$/1,000 gal)
Bridgeville		3.58	3.00	3.53	3.53	3.80
Delmar		2.50	2.50	4.55	5.10	4.55
Georgetown						
Inside Town	2.75	2.82	5.43	5.43	5.46	6.21
Outside Town		4.23	6.98	6.98	7.03	8.15
Greenwood		4.00	6.40	6.40	4.40	6.00
Laurel		3.95	3.74	3.74	3.74	6.15
Lewes Public Works						
Inside City	1.72	2.71	2.46	4.56	4.57	4.85
Outside City			3.20	6.69	6.62	6.74
Milford						
Inside City	2.33	2.20	3.67	3.67	3.95	3.95
Outside City		3.50	5.50	5.50		
Millsboro		1.70	3.00	3.00		
Milton		3.63				
Inside Town			5.33	5.33	5.33	6.17
Outside Town			7.67	7.67	7.67	8.83
Rehoboth Beach						
Inside City						
(Oct-Mar)	1.33	1.49	2.00	2.30	2.30	2.73
(Apr-Sep)	1.83	2.15	2.87	3.30	3.30	3.73
Outside City						
(Oct-Mar)	2.67	2.98	4.00	4.60	4.61	4.83
(Apr-Sep)	3.67	4.30	5.74	6.60	6.61	6.83
Seaford		2.08	2.08	2.08	2.44	2.44
Selbyville		3.60	4.27	4.27	4.27	4.27
Sussex County DPW	2.45	3.80	2.95	3.09	3.09	5.10

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

Table 6. Residential water rates in New Jersey (2000-2017)

Purveyor	2000 (\$/1,000 gal)	2004 (\$/1,000 gal)	2008 (\$/1,000 gal)	2011 (\$/1,000 gal)	2015 (\$/1,000 gal)	2017 (\$/1,000 gal)
Berlin Borough		3.00	4.33	4.33	4.63	4.63
Brick Township MUA		4.18				
Camden	3.70	3.70	3.70	4.76	4.78	7.70
Evesham MUA		2.78				
Inside Township			2.25	7.70		2.65
Outside Township			2.65	7.09		3.31
Medford Twp. Utilities		2.30	2.49	4.00	4.00	4.00
Merchantville-Pennsauken	1.88	1.88	1.88	2.36	3.13	4.62
NJ American Water Co.	5.22	5.96				
Non-exempt			6.83	7.70		7.70
Exempt			5.92	7.09		
Salem	2.89	5.71	2.93	2.93	4.13	4.13
Trenton	3.27	3.27	7.09	7.09	5.91	9.92
Washington Twp. MUA		2.17	1.73	1.73	1.73	2.28

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

Table 7. Residential water rates in Pennsylvania (2000-2017)

Purveyor	2000 (\$/1,000 gal)	2004 (\$/1,000 gal)	2008 (\$/1,000 gal)	2011 (\$/1,000 gal)	2015 (\$/1,000 gal)	2017 (\$/1,000 gal)
Ambler Borough		3.84	5.79	5.79	5.46	8.21
Aqua Pennsylvania	5.36	7.02	10.27	10.27	11.25	13.38
Bucks County WSA		3.45				9.70
New Hope, Solebury			4.82	4.82	6.57	
Middletown Township			3.93	3.93		
Langhorne & Penndel			4.02	4.02		
Chester Water Authority						
Village Green East	4.20	5.40	6.14	9.18		9.18
Village Green West	5.33	6.28	7.06	10.22	8.34	10.76
Coatesville (PAWCo)	5.88	6.50	9.21	10.49		
Downingtown MWA	5.75	6.50	7.65	9.58	13.30	13.45
Lehigh County Authority		2.70				
Madison Park North				8.28		8.28
Upper Milford				6.87		6.87
Welshtown Road				6.55		6.57
Newtown Artesian Water		5.58	8.46			
Newtown Artesian				5.68	6.70	6.74
Indian Rock Area				6.64		7.22
North Wales Water Auth.	4.40	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	10.49	13.14
Philadelphia Water Dept.	2.17	2.91	3.93	5.18	6.68	7.08
Phoenixville Water Dept.		4.10			3.65	
Inside Borough						8.45
Outside Borough						7.24

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

Appendix A
Residential Water Rates, New Castle County, Delaware (2018)

	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
Artesian Water Co.	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)	3.63% after 7/1/18			
	\$16.49	\$6.59	\$14.69	\$23.83	\$0.00	\$2.24	\$191.52	\$12.77	\$766.07
Delaware City	Monthly	Monthly	\$3.74/1,000 gal (0-5,000 gal)	\$4.31/1,000 gal (5,001-8,500 gal)	\$5.23/1,000 gal (8,501-17,000 gal)				
	\$15.00	\$0.00	\$18.70	\$0.00	\$0.00	\$0.00	\$101.10	\$6.74	\$404.40
Newark									
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	\$7.84	\$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	\$10.52	\$631.16
New Castle Mun. Services Commission	Monthly	Monthly	\$0.0076/gal						
	\$9.25	\$1.60	\$38.00	\$0.00	\$0.00	\$0.00	\$146.55	\$9.77	\$586.20
July through September			\$0.0076/gal (0-4,000 gal)	\$0.0079/gal (>4,000 gal)					
	\$9.25	\$1.60	\$30.40	\$7.90	\$0.00	\$0.00	\$147.45	\$9.83	\$589.80
Tidewater Utilities	Monthly	Per unit in Fire Hydrant Districts ³	\$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)	1.24% after 7/1/18			
	\$18.20	\$5.03	\$41.04	\$0.00	\$0.00	\$0.80	\$195.19	\$13.01	\$780.77
SUEZ Delaware	Monthly	Monthly	\$4.5387/1,000 (0-2000 gal)	\$5.4864/1,000 (2001-7,000 gal)	\$7.6882/1,000 (>7,000 gal)	2.33% after 1/1/18			
	\$15.10	\$3.55	\$9.08	\$16.46	\$0.00	\$1.03	\$135.65	\$9.04	\$542.59
Wilmington									
Inside City	Monthly allowance of 2,000 gallons		\$0.00/1,000 gal Monthly allowance 0-2,000 gal	\$5.853/1,000 gal (2,000-5000 gal)	\$7.315/1,000 gal (>5,000 gal)				
	\$18.48	\$0.00	\$0.00	\$17.56	\$0.00	\$0.00	\$108.12	\$7.21	\$432.47
Outside City	Monthly allowance of 2,000 gallons		\$0.00/1,000 gal Monthly allowance 0-2,000 gal	\$10.597/1,000 gal (2,000-5,000 gal)	\$13.239/1000 gal (>5,000 gal)				
	\$29.59	\$0.00	\$0.00	\$31.79	\$0.00	\$0.00	\$184.14	\$12.28	\$736.57

Appendix B
Residential Water Rates, Kent County, Delaware (2017)

2017	A	B	C	C	C	D	A+B+C+D=E	E/15= F	E x 4 = G
Water Utility	Service Charge (\$)	Fire Protection (\$)	Rate (\$)	Rate (\$)	Rate (\$)	Use Fee (\$)	Quarterly Charge (\$)	Quarterly Rate (\$/1,000 gal)	Annual Charge (\$)
Camden-Wyoming			\$4.96/1,000 gal (0-15,000 gal)			\$0.00	\$104.67	\$6.98	\$418.68
	\$30.27	\$0.00	\$74.30						
Clayton		\$0.00	\$9.50/1,000 gal (0-2,000 gal)	\$4.00/1,000 gal (>2,000 gal)		\$0.00	\$71.00	\$4.73	\$284.00
			\$19.00	\$52.00					
Dover									
Inside City			\$3.00/1,000 gal (0-15,000 gal)			\$0.00	\$47.50	\$3.17	\$190.00
	\$2.50	\$0.00	\$45.00						
Outside City			\$4.50/1,000 gal (0-15,000 gal)			\$0.00	\$70.00	\$4.67	\$280.00
	\$2.50	\$0.00	\$67.50						
Felton						Debt service fee			
Inside Town			\$3.40/1,000 gal (<15,000 gal)			\$10.00	\$81.00	\$5.40	\$324.00
	\$20.00	\$0.00	\$51.00						
Outside Town			\$5.10/1,000 gal (<15,000 gal)			\$10.00	\$116.50	\$7.77	\$466.00
	\$30.00	\$0.00	\$76.50						
Frederica			\$3.25/1,000 gal (<7,604 gal)	\$6.00/1,000 gal (>7,605 gal)		\$0.00	\$114.09	\$7.61	\$456.36
	\$45.00	\$0.00	\$24.71	\$44.38					
Harrington	\$35.00	\$0.00	\$3.25/1,000 gal			\$0.00	\$83.75	\$5.58	\$335.00
			\$48.75						
Magnolia									
Inside Town	\$55.00	\$0.00				\$0.00	\$55.00	\$3.67	\$220.00
Smyrna									
Inside Town	\$0.00	\$0.00	First 3,000 gal	\$3.81/1,000 gal (3,001-4,000 gal)	\$5.07/1,000 gal (4,001-6,000 gal)	\$0.00	\$79.88	\$5.33	\$319.52
			\$11.41	\$3.81	\$10.14				
Outside Town	\$0.00	\$0.00	First 3,000 gal	\$7.62/1,000 gal (3,001-4,000 gal)	\$10.14/1,000 gal (4,001-6,000 gal)	\$0.00	\$159.76	\$10.65	\$639.04
			\$22.82	\$7.62	\$20.28				

Appendix C
Residential Water Rates, Sussex County, Delaware (2017)

2017	A	B	C			D	A+B+C+D=E	E/15= F	E x 4 = G
Water Utility	Service Charge (\$)	Fire Protection (\$)	Rate (\$)	Rate (\$)	Rate (\$)	Use Fee (\$)	Quarterly Charge (\$)	Quarterly Rate (\$/1,000 gal)	Annual Charge (\$)
Bridgeville	\$7.50	\$0.00	\$2.79/1,000 gal (0-5,000 gal)	\$3.35/1,000 gal (5,001-10,000 gal)	\$3.75/1,000 gal (>10,000 gal)	\$0.00	\$56.95	\$3.80	\$227.80
			\$13.95	\$16.75	\$18.75				
Delmar	\$15.75	\$0.00	\$3.50/1,000 gal (0-15,000 gal)			\$0.00	\$68.25	\$4.55	\$273.00
			\$52.50						
Georgetown									
Inside Town	\$35.00	\$0.00	\$3.88/1,000 gal			\$0.00	\$93.20	\$6.21	\$372.80
			\$58.20						
Outside Town	\$35.00	\$0.00	\$5.82/1,000 gal			\$0.00	\$122.30	\$8.15	\$489.20
			\$87.30						
Greenwood		\$0.00	\$30.00/5,000 gal			\$0.00	\$90.00	\$6.00	\$360.00
			\$90.00						
Laurel	\$56.10	\$0.00				\$0.00	\$56.10	\$3.74	\$224.40
Lewes BPW									
Inside City	\$48.00	\$0.00	\$1.05/1,000 gal (0-4,500 gal)	\$1.65/1,000 gal (4,501-9,000 gal)	\$2.10/1,000 gal (>9,000 gal)	\$0.00	\$72.75	\$4.85	\$291.00
			\$4.73	\$7.43	\$12.60				
Outside City	\$65.25	\$0.00	\$1.52/1,000 gal (0-4,500 gal)	\$2.39/1,000 gal (4,501-9,000 gal)	\$3.05/1,000 gal (>9,000 gal)	\$0.00	\$101.15	\$6.74	\$404.58
			\$6.84	\$10.76	\$18.30				
Milford	Monthly	\$0.00	\$3.25/1,000 gal (0-4,000 gal)	\$3.50/1,000 gal (4,001-8,000 gal)	\$4.00/1,000 gal (>8,000 gal)	\$0.00	\$59.25	\$3.95	\$237.00
	\$3.25		\$13.00	\$3.50					
Milton									
Inside Town	\$35.00	\$0.00	\$3.00/1000 gal			\$0.00	\$80.00	\$5.33	\$320.00
			\$45.00						
Outside Town	\$70.00	\$0.00	\$3.00/1000 gal			\$0.00	\$115.00	\$7.67	\$460.00
			\$45.00						
Rehoboth Beach									
Inside City	Winter	\$0.00	\$2.10/1,000 gal			\$0.00	\$41.00	\$2.73	\$164.00
	\$9.50		\$31.50						
	Summer	\$0.00	\$3.10/1,000 gal			\$0.00	\$56.00	\$3.73	\$224.00
	\$9.50		\$46.50						
Seaford		\$0.00	\$21.95/month (0-9,000 gal)			\$0.00	\$65.85	\$2.44	\$263.40
			\$21.95						
Selbyville		\$0.00	\$64.00/18,000 gal			\$0.00	\$64.00	\$4.27	\$256.00
			\$64.00						
Sussex Co. DPW	\$76.44/qtr	\$0.00				\$0.00	\$76.44	\$5.10	\$305.76

Appendix D
Residential Water Rates, Pennsylvania (2017)

2017	A	B	C	C	C	D	A+B+C+D=E	E/15= F	E x 4 = G
Water Utility	Service Charge (\$)	Fire Protection (\$)	Rate (\$)	Rate (\$)	Rate (\$)	Use Fee (\$)	Quarterly Charge (\$)	Quarterly Rate (\$/1,000 gal)	Annual Charge (\$)
Ambler Borough	\$12.61	\$41.32	\$4.6176/1,000 gal (0-110,000 gal) \$69.26			\$0.00	\$123.19	\$8.21	\$492.78
AQUA PA	\$48.00	\$0.00	\$9.071/1,000 gal (0-2,000 gal) \$18.14	\$10.352/1,000 gal (2,000-15,000 gal) \$18.14		\$0.00	\$200.72	\$13.38	\$802.87
Bucks County Water & Sewer Authority	\$75.00	\$0.00	\$4.70/1,000 gal \$70.50			\$0.00	\$145.50	\$9.70	\$582.00
Chester Water Authority									
Village Green East	\$36.30	\$32.30	\$4.61/1000 gal (0-25,000 gal) \$69.15	\$2.96/1000 gal (>25,000 gal)		\$0.00	\$137.75	\$9.18	\$551.00
Village Green West	\$36.30	\$36.30	\$5.92/1000 gal (0-25,000 gal) \$88.80	\$4.15/1000 gal (>25,000 gal)		\$0.00	\$161.40	\$10.76	\$645.60
Downingtown MUA	\$57.00	\$2.32	\$9.50/1000 gal \$142.50			\$0.00	\$0.00	\$143.72	\$9.58
Lehigh Co. Authority	\$11.70	\$0.00	\$7.50/1000 gal \$112.50			\$0.00	\$0.00	\$124.20	\$8.28
Newtown Artesian	\$19.38	\$0.00	\$5.394/1,000 gal \$80.91	\$0.80		Adj. (\$0.0533/ 1000 gal)	\$101.09	\$6.74	\$404.36
North Wales WA	\$12.00	\$0.00	\$3.60/1000 gal. \$54.00			\$0.00	\$66.00	\$4.40	\$264.00
Pennsylvania American Water	\$45.00	\$0.00	\$10.141/1000 gal \$152.12			\$0.00	\$197.12	\$13.14	\$788.46
Philadelphia Water Dept.	\$19.83	\$0.00	\$43.08/7,480 gal \$86.39			\$0.00	\$106.22	\$7.08	\$424.88
Phoenixville Water Dept.									
Inside Borough	0-12,500 gal \$44.13	\$72.04	\$4.22/1,000 gal (12,500-15,000 gal) \$10.55			\$0.00	\$126.72	\$8.45	\$506.88
Outside Borough	0-12,500 gal \$26.06	\$72.04	\$4.22/1,000 gal (12,500-15,000 gal) \$10.55			\$0.00	\$108.65	\$7.24	\$434.60

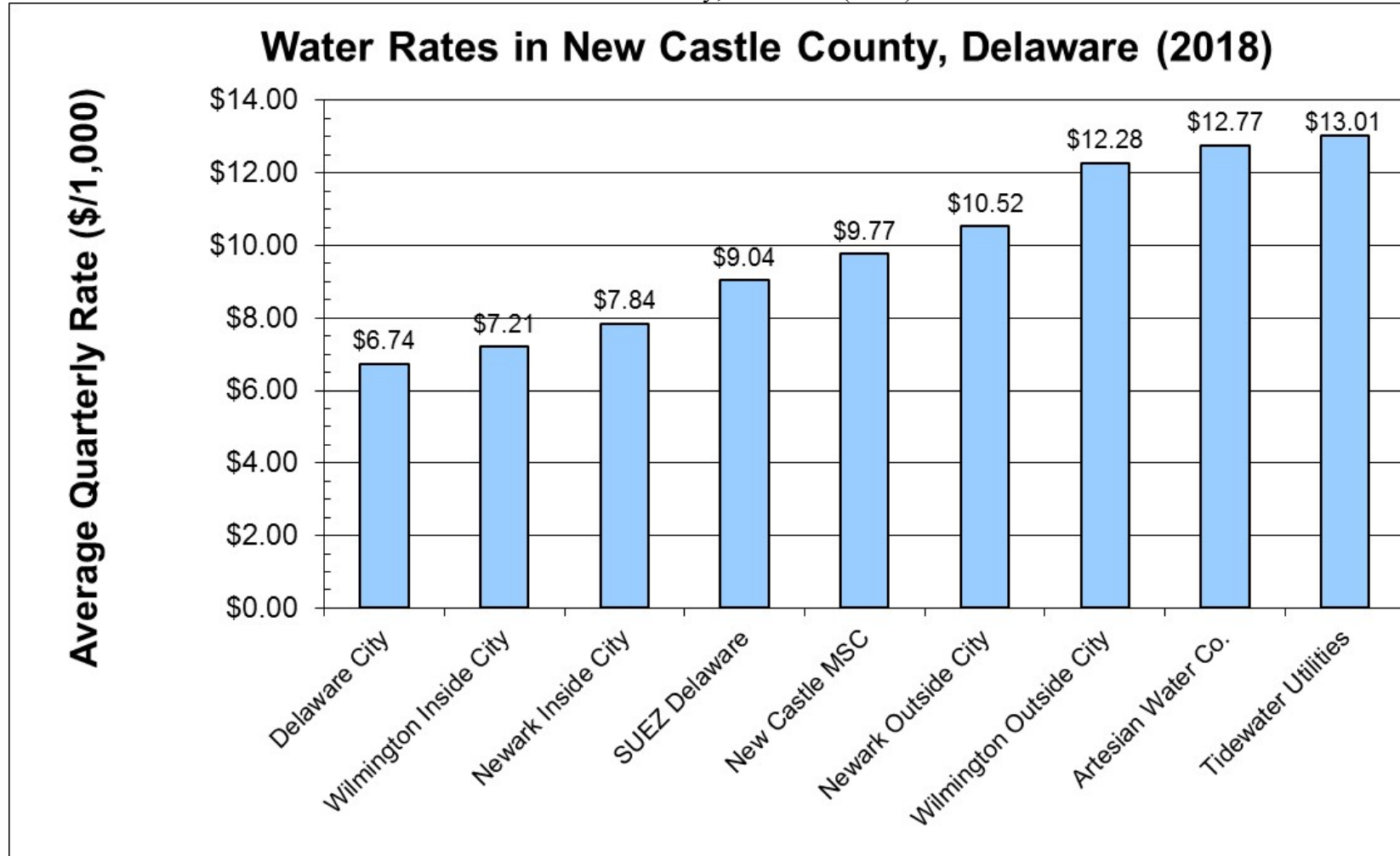
Appendix E
Residential Water Rates, New Jersey (2017)

2017	A	B	C			D	A+B+C+D=E	E/15= F	E x 4 = G
Water Utility	Service Charge (\$)	Fire Protection (\$)	Rate (\$)	Rate (\$)	Rate (\$)	Quarterly Use Fee (\$)	Quarterly Charge	Quarterly Rate (\$/1,000 gal)	Annual Charge (\$)
Berlin Borough	\$18.00	\$0.00	\$3.40/1,000 gal (0-10,000 gal)	\$3.50/1,000 gal (10,000-15,000 gal)		\$0.00	\$69.50	\$4.63	\$278.00
			\$34.00	\$17.50					
Camden	\$35.19	\$0.00	\$5.35/1,000 gal (0-15,000 gal)			\$0.00	\$115.44	\$7.70	\$461.76
			\$80.25						
Evesham Municipal Utilities Authority									
Inside Township	\$12.00	\$0.00	\$1.85/1,000 gal (1,000-16,000 gal)			\$0.00	\$33.75	\$2.25	\$159.00
			\$27.75						
Outside Township	\$15.00	\$0.00	\$2.31/1,000 gal (1,000-16,000 gal)			\$0.00	\$49.65	\$3.31	\$198.60
			\$34.65						
Medford Township Utilities	Min. Charge (0-5,000 gal)	\$0.00	\$3.50/1,000 gal (5,000-20,000)			\$0.00	\$60.00	\$4.00	\$240.00
	\$25.00		\$35.00						
Merchantville Pennsauken Municipal Water Commission	\$24.25	\$0.00	\$2.25/100 cf (7-2,300 cf)	\$2.65/100 cf (2,400-5,000 cf)		\$0.00	\$69.36	\$4.62	\$277.45
			\$26.00						
N.J. American Water Co.									
Non-exempt	\$30.00	\$0.00	\$5.70/1,000 gal			\$0.00	\$115.50	\$7.70	\$462.00
			\$85.50						
Salem	\$26.08	\$0.00	\$2.39/1,000 gal (7,500-15,000 gal)			\$0.00	\$61.93	\$4.13	\$247.72
			\$35.85		\$0.00				
Trenton	\$46.24	(charge per hydrant)	\$21.16/1,000 cf			\$0.00	\$148.81	\$9.92	\$595.25
		\$60.14	\$42.43		\$0.00				
Washington Township MUA	First 10,000 gal	\$0.00	\$1.85/1,000 gal (10,000-15,000 gal)			\$0.00	\$34.25	\$2.28	\$137.00
	\$25.00		\$9.25						

Appendix F
Residential Water Rates, Maryland (2017)

2017	A	B	C			D	A+B+C+D=E	E/15= F	E x 4 = G
Water Utility	Service Charge (\$)	Fire Protection (\$)	Quarterly Rate (\$)	Quarterly Rate (\$)	Quarterly Rate (\$)	Quarterly Use Fee (\$)	Quarterly Charge (\$)	Quarterly Rate (\$/1,000 gal)	Annual Charge (\$)
City of Baltimore	\$16.66	\$0.00	\$2.484/748 gal			\$0.00	\$66.47	\$4.43	\$265.89
			\$49.81	\$0.00	\$0.00				
Elkton									
Inside Town	\$0.00	\$0.00	0-9,000 gal min.	\$4.16/1000 gal (9,000-30,000 gal)		\$0.00	\$62.40	\$4.16	\$249.60
			\$37.44	\$24.96					
Outside Town	\$0.00	\$0.00	0-9,000 gal min.	\$8.32/1000 gal (9,000-30,000 gal)		\$0.00	\$124.80	\$8.32	\$499.20
			\$74.88	\$49.92					
Perryville.	First 2,500 gal	\$0.00	\$8.80/1,000 gal (2,500-15,000 gal.)			\$0.00	\$124.62	\$8.31	\$498.48
	\$14.62		\$110.00						

Appendix G
Average Quarterly Water Rates
New Castle County, Delaware (2018)



Appendix H
Average Annual Water Bill
New Castle County, Delaware (2018)

