

DELAWARE COUNTY REGIONAL  
WATER QUALITY CONTROL AUTHORITY  
DELAWARE COUNTY, PENNSYLVANIA

2017 BUDGET

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Statement of Revenues Required to Fund  
Expenses of Administration, Operation and  
Debt Service for the Eastern and Western  
Delaware County Service Areas for the Year  
Ending December 31, 2017

and

Statements of Service Charges to be Imposed  
on Users for Said Year

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Prepared by:  
Robert J. Willert, Executive Director

John Pileggi, Controller

Proposed Adoption by Board:

Approved by  
Consulting Engineer:



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**DELAWARE COUNTY REGIONAL  
WATER QUALITY CONTROL AUTHORITY  
2017 BUDGET**

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DELAWARE COUNTY REGIONAL  
WATER QUALITY CONTROL AUTHORITY  
2017 BUDGET

RATES AND CHARGES - WESTERN

	PROJECTED FLOW IN MM GALLONS		RATE		% Change	1,000 Gallons/ or Charge Per Minimum	% Change	Total Revenue		% Change	\$ Change
	2016 Budget	2017 Budget	2016 Budget	2017 Budget				2016 Budget	2017 Budget		
<b>Retail:</b>											
Chester City	827,593	864,301	\$4.37	\$4.63	4.44%	\$4.63	5.95%	\$3,616,591	\$4,001,714	10.65%	\$385,132
Partside	43,985	44,225	\$4.37	\$4.63	0.55%	\$4.63	5.95%	\$192,214	\$204,762	6.53%	\$12,547
Upland	128,278	131,451	\$4.37	\$4.63	6.63%	\$4.63	5.95%	\$538,725	\$608,616	12.97%	\$69,893
Chester Twp.	42,700	34,260	\$4.37	\$4.63	-19.77%	\$4.63	5.95%	\$186,599	\$158,624	-14.99%	-\$27,975
Trainer	36,599	39,533	\$6.68	\$9.07	8.02%	\$9.07	4.49%	\$317,679	\$358,564	12.87%	\$40,885
Marcus Hook	53,987	44,626	\$6.68	\$9.07	-17.34%	\$9.07	5.99%	\$360,633	\$315,992	-12.39%	-\$44,641
Minimums # of accounts	3,998	4,261	\$96.92	\$92.00	6.58%	\$92.00	5.84%	\$347,506	\$392,012	12.81%	\$44,506
<b>TOTAL</b>	<b>1,132,140</b>	<b>1,182,657</b>			<b>2.70%</b>			<b>\$5,559,938</b>	<b>\$6,040,246</b>	<b>8.64%</b>	<b>\$480,307</b>
<b>Retail Industrial: (1)</b>											
Exelon	1,317	1,399	\$5.37	\$5.58	6.23%	\$5.58	3.91%	\$7,072	\$7,806	10.38%	\$734
Ace Linen	11,000	11,000	\$5.37	\$5.58	0.00%	\$5.58	3.91%	\$59,070	\$61,380	3.91%	\$2,310
PQ	20,440	20,000	\$5.37	\$5.58	-2.15%	\$5.58	3.91%	\$109,763	\$111,800	1.67%	\$1,837
Delco Linens	9,880	9,675	\$5.37	\$5.58	-2.07%	\$5.58	3.91%	\$53,056	\$53,987	1.75%	\$931
Covanta	1,119	972	\$9.62	\$10.00	-13.14%	\$10.00	3.95%	\$6,009	\$5,424	-9.74%	-\$585
Congoleum	4,278	4,854	\$9.62	\$10.00	13.46%	\$10.00	3.95%	\$41,154	\$48,540	17.95%	\$7,386
Monroe - Sanitary	10,000	7,500	\$9.62	\$10.00	-25.00%	\$10.00	3.95%	\$96,200	\$75,000	-22.04%	-\$21,200
<b>TOTAL</b>	<b>58,034</b>	<b>55,400</b>			<b>-4.54%</b>			<b>\$372,324</b>	<b>\$363,737</b>	<b>-2.31%</b>	<b>-\$8,587</b>
<b>Wholesale</b>											
EDU:											
Brookhaven	248,533	248,577	\$2.00	\$2.12	0.02%	\$2.12	6.00%	\$497,066	\$526,893	6.02%	\$29,827
Nether Providence	360,900	373,260	\$2.00	\$2.12	3.42%	\$2.12	6.00%	\$721,800	\$791,311	9.63%	\$69,511
<b>TOTAL</b>	<b>609,433</b>	<b>621,837</b>			<b>2.04%</b>			<b>\$1,218,866</b>	<b>\$1,318,204</b>	<b>8.16%</b>	<b>\$99,428</b>
<b>WESTERN:</b>											
Southern	823,500	821,250	\$2.18	\$2.31	-0.27%	\$2.31	5.96%	\$1,795,230	\$1,887,088	5.67%	\$91,858
Soccer Stadium	4,650	4,650	\$2.18	\$2.31	0.00%	\$2.31	5.96%	\$10,137	\$10,742	5.96%	\$605
Eldystone	146,400	146,000	\$2.18	\$2.31	-0.27%	\$2.31	5.96%	\$319,152	\$337,260	5.67%	\$18,108
Boeing	58,400	45,625	\$2.18	\$2.31	-21.88%	\$2.31	5.96%	\$127,312	\$105,394	-17.22%	-\$21,918
Hannah's Racino	20,075	21,000	\$2.18	\$2.31	4.61%	\$2.31	5.96%	\$43,764	\$48,510	10.85%	\$4,747
Lower Chester	190,320	182,500	\$2.18	\$2.31	-4.11%	\$2.31	5.96%	\$414,898	\$421,575	1.61%	\$6,677
<b>TOTAL</b>	<b>1,243,345</b>	<b>1,221,025</b>			<b>-1.80%</b>			<b>\$2,710,492</b>	<b>\$2,820,568</b>	<b>4.06%</b>	<b>\$110,076</b>
<b>Wholesale Industrial: (1)</b>											
Kimberly Clark	1,372,500	1,368,750	\$2.46	\$2.56	-0.27%	\$2.56	4.07%	\$3,376,350	\$3,504,000	3.78%	\$127,650
Sunoco	1,267,458	1,003,750	\$2.46	\$2.56	-20.81%	\$2.56	4.07%	\$3,117,947	\$2,569,600	-17.59%	-\$548,347
Rhodia	10,740	10,000	\$2.46	\$2.56	-100.00%	\$2.56	4.07%	\$26,420	\$0	-100.00%	-\$26,420
Braskem	60,000	68,300	\$2.46	\$2.56	10.50%	\$2.56	4.07%	\$147,600	\$169,728	14.99%	\$22,128
Liberty	135,500	132,500	\$2.46	\$2.56	-2.21%	\$2.56	4.07%	\$333,300	\$339,200	1.76%	\$5,900
Monroe-Process	51,240	51,100	\$2.46	\$2.56	-0.27%	\$2.56	4.07%	\$126,050	\$130,816	3.78%	\$4,766
FPL	96,700	93,200	\$2.46	\$2.56	-3.62%	\$2.56	4.07%	\$237,862	\$238,592	0.30%	\$710
<b>TOTAL</b>	<b>2,964,138</b>	<b>2,715,600</b>			<b>-9.30%</b>			<b>\$7,365,579</b>	<b>\$6,951,936</b>	<b>-5.62%</b>	<b>-\$413,643</b>
<b>Chester, Ridley Creek</b>											
Southwest Authority	966,240	930,750	\$2.66	\$2.82	-3.67%	\$2.82	6.02%	\$2,570,198	\$2,624,715	2.12%	\$54,517
Middletown	644,160	620,500	\$2.66	\$2.82	-3.67%	\$2.82	6.02%	\$1,713,466	\$1,749,810	2.12%	\$36,344
<b>Total</b>	<b>1,610,400</b>	<b>1,551,250</b>			<b>-3.67%</b>			<b>\$4,283,664</b>	<b>\$4,374,525</b>	<b>1.67%</b>	<b>\$90,861</b>
<b>Total West</b>	<b>7,647,490</b>	<b>7,327,769</b>			<b>-4.18%</b>			<b>\$21,510,984</b>	<b>\$21,989,306</b>	<b>1.67%</b>	<b>\$368,442</b>

(1) Plus excess BOD/TSS surcharge at \$.32/LB and \$.285/LB respectively. Delcora has a surcharge for BOD and TSS over 300 MGAL. Permit Industries at times send Delcora an excess of this amount, which may result in a surcharge amount.

DELAWARE COUNTY REGIONAL  
WATER QUALITY CONTROL AUTHORITY  
2017 BUDGET

**RATES AND CHARGES- Eastern**

	PROJECTED		RATE Per 000 Gallons	% Change	2016 Budget	2017 Budget	% Change	2016 Budget	2017 Budget	% Change	\$ Change
	FLOW IN MM GALLONS	2017 Budget									
Eastern Authority	4,101,000	4,015,000	\$2.06	-2.10%							
Central Delaware County Authority	8,052,000	7,847,500	\$2.06	-2.54%			\$8,448,060	\$8,752,700	3.61%	\$304,640	
Darby Creek Joint Authority	1,830,000	1,825,000	\$2.06	-0.27%			\$16,587,120	\$17,107,550	3.14%	\$520,430	
Muckinipates Authority							\$3,769,800	\$3,978,500	5.54%	\$208,700	
<b>TOTAL</b>	<b>13,983,000</b>	<b>13,687,500</b>		<b>-2.11%</b>			<b>\$28,804,980</b>	<b>\$29,838,750</b>	<b>3.59%</b>	<b>\$1,033,770</b>	

**DELAWARE COUNTY REGIONAL  
WATER QUALITY CONTROL AUTHORITY**

**2017 BUDGET**

**REVENUE AND EXPENSE ANALYSIS**

Revenues:	2016	2017	\$ Change	% Change
<b>Service Charges:</b>				
Eastern Delaware County				
Central Delaware County Authority	\$8,448,060	\$8,752,700	\$304,640	3.61%
Darby Creek Joint Authority	\$16,587,120	\$17,107,550	\$520,430	3.14%
Muckinipates Authority	\$3,769,800	\$3,978,500	\$208,700	5.54%
Edgmont	\$1,105,000	\$1,105,000	\$0	0.00%
	<u>\$29,909,980</u>	<u>\$30,943,750</u>	<u>\$1,033,770</u>	<u>3.46%</u>
<b>Western Delaware County</b>				
Residential	\$5,559,938	\$6,040,246	\$480,307	8.64%
EDU Wholesale	\$1,218,866	\$1,318,294	\$99,428	8.16%
Retail Industrial	\$372,324	\$363,737	-\$8,587	-2.31%
Western Wholesale	\$2,710,492	\$2,820,568	\$110,076	4.06%
Wholesale Industrial	\$7,365,579	\$6,951,936	-\$413,643	-5.62%
Chester Ridley Creek	\$4,283,664	\$4,374,525	\$90,861	2.12%
	<u>\$21,510,864</u>	<u>\$21,869,306</u>	<u>\$358,442</u>	<u>1.67%</u>
Remote Locations	\$950,000	\$950,000	\$0	0.00%
<b>Total Service Charges</b>	<u>\$52,370,844</u>	<u>\$53,763,056</u>	<u>\$1,392,212</u>	<u>2.66%</u>
<b>Other Revenues:</b>				
Interest Income Investments	\$300,000	\$400,000	\$100,000	33.33%
Residual Waste	\$3,600,000	\$4,000,000	\$400,000	11.11%
Covanta Effluent Usage	\$100,000	\$85,000	-\$15,000	-15.00%
Load Surcharge	\$375,000	\$375,000	\$0	0.00%
Other Income	\$350,000	\$350,000	\$0	0.00%
	<u>\$4,725,000</u>	<u>\$5,210,000</u>	<u>\$485,000</u>	<u>10.26%</u>
<b>Total Revenues</b>	<u>\$57,095,844</u>	<u>\$58,973,056</u>	<u>\$1,877,212</u>	<u>3.29%</u>
<b>Expense:</b>				
Philadelphia Plant Treatment Costs	\$9,945,825	\$10,428,741	\$482,916	4.86%
Debt Service	\$8,720,000	\$11,650,000	\$2,930,000	33.60%
Salaries & Wages	\$9,506,528	\$9,942,617	\$436,089	4.59%
Overtime	\$1,155,700	\$1,333,600	\$177,900	15.39%
Utilities	\$2,852,050	\$2,892,450	\$40,400	1.42%
Chemicals	\$610,000	\$775,000	\$165,000	27.05%
Employee Benefits	\$4,068,908	\$4,398,918	\$330,010	8.11%
Pension	\$1,693,616	\$1,711,040	\$17,424	1.03%
Repairs & Maintenance	\$2,215,310	\$2,159,142	-\$56,168	-2.54%
Insurance	\$674,250	\$744,418	\$70,168	10.41%
Minor Equipment & Supplies	\$201,596	\$264,407	\$62,811	31.16%
Information Technology	\$545,500	\$605,500	\$60,000	11.00%
Solicitor	\$500,000	\$550,000	\$50,000	10.00%
Consulting	\$200,000	\$225,000	\$25,000	12.50%
Solids Disposal/Grit Screening	\$1,230,000	\$1,045,000	-\$185,000	-15.04%
Engineering	\$415,000	\$405,000	-\$10,000	-2.41%
Other Contracted Services	\$706,100	\$810,050	\$103,950	14.72%
Office & Advertising	\$163,125	\$190,275	\$27,150	16.64%
Strategic Plan	\$323,000	\$150,000	-\$173,000	NC
Dues and Conferences	\$71,180	\$82,400	\$11,220	15.76%
Edgmont Treatment	\$482,505	\$200,000	-\$282,505	NC
Education and Training	\$124,000	\$76,000	-\$48,000	-38.71%
Contingency	\$700,000	\$700,000	\$0	0.00%
Capital Reserve PWD and Chester LTCP	\$7,000,000	\$7,000,000	\$0	NC
Capital Reserve Replacing Capital Assets	\$2,991,651	\$633,498	-\$2,358,153	-78.82%
<b>Total Expenses</b>	<u>\$57,095,844</u>	<u>\$58,973,056</u>	<u>\$1,877,212</u>	<u>3.29%</u>

NC = Not Calculable

**DELAWARE COUNTY REGIONAL  
WATER QUALITY CONTROL AUTHORITY**

**2017 BUDGET SUMMARY**

**EXPENSE BY DEPARTMENT**

	<u>2016</u>	<u>2017</u>	<u>\$ Change</u>	<u>% Change</u>
Expense:				
Administration, IT, Engineering				
Total	\$6,623,326	\$6,728,406	\$105,080	1.59%
Debt Service:				
Total	\$8,720,000	\$11,650,000	\$2,930,000	33.60%
Operations and Maintenance:				
Eastern Delaware County:				
Pump Stations	\$1,238,490	\$1,283,447	\$44,957	3.63%
Philadelphia Treatment	\$9,945,825	\$10,428,741	\$482,916	4.86%
Total East Expenses	<u>\$11,184,315</u>	<u>\$11,712,188</u>	<u>\$527,873</u>	<u>4.72%</u>
Western Delaware County:				
Western Regional Treatment Plant	\$10,939,161	\$11,191,418	\$252,257	2.31%
Industrial Pretreatment	\$374,332	\$362,200	-\$12,132	-3.24%
Central Lab	\$686,234	\$707,048	\$20,814	3.03%
Chester Pump Station	\$356,262	\$381,018	\$24,756	6.95%
Sewer Maintenance	\$2,041,214	\$2,227,048	\$185,834	9.10%
Chester Area Lift Stations	\$121,271	\$109,408	-\$11,863	-9.78%
Eddystone Pump Station	\$68,886	\$71,049	\$2,163	3.14%
Customer Revenue (Billing)	\$560,956	\$698,325	\$137,369	24.49%
Marcus Hook/Lower Chi	\$126,612	\$128,489	\$1,877	1.48%
Trainer Pump Stations	\$28,426	\$29,128	\$702	2.47%
Remote Locations	\$1,381,375	\$1,457,679	\$76,304	5.52%
Sludge Processing	\$2,200,000	\$2,444,000	\$244,000	11.09%
Southern Pump Stations	\$32,660	\$43,846	\$11,186	34.25%
Chester Ridley Creek	\$369,762	\$325,578	-\$44,184	-11.95%
Edgmont	\$589,401	\$372,730	-\$216,671	-36.76%
Contingency	\$700,000	\$700,000	\$0	0.00%
Total West Expenses	<u>\$20,576,552</u>	<u>\$21,248,964</u>	<u>\$672,412</u>	<u>3.27%</u>
Total Expenses	<u>\$47,104,193</u>	<u>\$51,339,558</u>	<u>\$4,235,365</u>	<u>8.99%</u>
Expenses Without Debt Service	<u>\$38,384,193</u>	<u>\$39,689,558</u>	<u>\$1,305,365</u>	<u>3.40%</u>

**DELAWARE COUNTY REGIONAL  
WATER QUALITY CONTROL AUTHORITY**

**2017**

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ESTIMATE OF SERVICE CHARGES

FOR

CENTRAL DELAWARE COUNTY AUTHORITY

DARBY CREEK JOINT AUTHORITY

MUCKINIPATES AUTHORITY

In Accordance With Section 3.06 of the  
Service agreements Dated December 1, 1973  
( plus subsequent amendments)

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Adopted by Board: November 15, 2016

Approved by  
Consulting Engineer:



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**2017  
ESTIMATE  
SERVICE CHARGE**

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To: Central Delaware County Authority

Statement of Estimates of Service Charge for  
Calendar Year 2017 per Section 3.06 of  
Service Agreement Dated December 1, 1973  
(plus subsequent amendments)

	2016	2017
1. Estimated Operating and Capital costs of DELCORA for Eastern Delaware County System	\$28,804,980	\$29,838,750
2. Estimated Amount to be Paid to DELCORA During Year	\$8,448,060	\$8,752,700
3. Amount of Credit Resulting from Previous Years Overpayment	\$0	\$0
4. Amount of Credit Resulting from Governmental Grants, etc.	\$0	\$0
Total Credits	\$0	\$0
Net Estimated Billing	\$8,448,060	\$8,752,700
5. Amount Due as Result of any Prior Year's Bill not Paid Plus Interest	\$0	\$0
Total Due for Year	\$8,448,060	\$8,752,700

Payment of Above Due as Follows:

March 31, 2017	\$2,188,175
June 30, 2017	\$2,188,175
September 30, 2017	\$2,188,175
December 31, 2017	\$2,188,175
Total	\$8,752,700



**2017  
ESTIMATE  
SERVICE CHARGE**

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To: Darby Creek Joint Authority

Statement of Estimates of Service Charge for  
Calendar Year 2017 per Section 3.06 of  
Service Agreement Dated December 1, 1973  
(plus subsequent amendments)

	2016	2017
1. Estimated Operating and Capital costs of DELCORA for Eastern Delaware County System for 2017	\$28,804,980	\$29,838,750
2. Estimated Amount to be Paid to DELCORA During Year	\$16,587,120	\$17,107,550
3. Amount of Credit Resulting from Previous Years Overpayment <span style="float: right;">NONE</span>	\$0	\$0
4. Amount of Credit Resulting from Governmental Grants, etc.	\$0	\$0
Total Credits	\$0	\$0
Net Estimated Billing	\$16,587,120	\$17,107,550
5. Amount Due as Result of any Prior Year's Bill not Paid Plus Interest	\$0	\$0
Total Due for Year	\$16,587,120	\$17,107,550

Payment of Above Due as Follows:

March 31, 2017	\$4,276,888
June 30, 2017	\$4,276,888
September 30, 2017	\$4,276,888
December 31, 2017	\$4,276,888
Total	\$17,107,550

**2017  
ESTIMATE  
SERVICE CHARGE**

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To: Muckinipates Authority

Statement of Estimates of Service Charge for  
Calendar Year 2017 per Section 3.06 of  
Service Agreement Dated December 1, 1973  
(plus subsequent amendments)

	2016	2017
1. Estimated Operating and Capital costs of DELCORA for Eastern Delaware County System for 2017	\$28,804,980	\$29,838,750
2. Estimated Amount to be Paid to DELCORA During Year	\$3,769,800	\$3,978,500
3. Amount of Credit Resulting from Previous Years Overpayment	\$0	\$0
4. Amount of Credit Resulting from Governmental Grants, etc.	\$0	\$0
Total Credits	\$0	\$0
Net Estimated Billing	\$3,769,800	\$3,978,500
5. Amount Due as Result of any Prior Year's Bill not Paid Plus Interest	\$0	\$0
Total Due for Year	\$3,769,800	\$3,978,500

Payment of Above Due as Follows:

March 31, 2017	\$994,625
June 30, 2017	\$994,625
September 30, 2017	\$994,625
December 31, 2017	\$994,625
Total	\$3,978,500