

DELAWARE COUNTY REGIONAL
WATER QUALITY CONTROL AUTHORITY

DELAWARE COUNTY, PENNSYLVANIA

2018 BUDGET

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, 2018

and

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

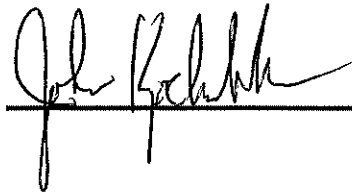
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Prepared by:
Robert J. Willert, Executive Director

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Proposed Adoption by Board:

Approved by
Consulting Engineer:



**DELAWARE COUNTY REGIONAL
WATER QUALITY CONTROL AUTHORITY
2018 BUDGET**

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DELAWARE COUNTY REGIONAL
WATER QUALITY CONTROL AUTHORITY
2018 BUDGET

RATES AND CHARGES- WESTERN

	PROJECTED FLOW IN MM GALLONS		% Change	RATE 1,000 Gallons/ or Charge Per Minimum	% Change	Total Revenue		% Change	\$ Change
	2017	2018				2017	2018		
Retail:									
Chester City	864,301	831,687	-3.77%	\$4.93	6.48%	\$4,001,714	\$4,100,217	2.46%	\$98,503
Parkside	44,225	43,033	-2.70%	\$4.93	6.48%	\$204,762	\$212,153	3.61%	\$7,391
Upland	131,451	139,838	6.38%	\$4.93	6.48%	\$608,618	\$659,401	13.27%	\$50,783
Chester Twp.	34,260	35,353	3.19%	\$4.93	6.48%	\$158,624	\$174,290	9.88%	\$15,666
Trainer	39,533	36,836	-6.82%	\$9.65	6.39%	\$358,564	\$355,467	-0.86%	-\$3,097
Marcus Hook	44,826	45,260	1.42%	\$7.08	6.36%	\$315,952	\$340,808	7.87%	\$24,856
Minimums # of accounts	4,261	3,873	-9.11%	\$92.00	3.26%	\$392,012	\$367,935	-6.14%	-\$24,077
TOTAL	1,162,657	1,135,980	-2.30%			\$6,040,245	\$6,240,271	3.31%	\$200,026
Retail Industrial (I):									
Exelon	1,399	1,399	0.00%	\$5.58	6.45%	\$7,806	\$8,310	6.45%	\$504
Ace Linen	11,000	13,500	22.73%	\$5.58	6.45%	\$61,380	\$80,190	30.65%	\$18,810
PQ	20,000	20,000	0.00%	\$5.58	6.45%	\$111,600	\$118,800	6.45%	\$7,200
Delco Linens	9,675	9,500	-1.81%	\$5.58	6.45%	\$53,987	\$56,430	4.53%	\$2,444
Covanta	972	865	-11.01%	\$5.58	6.45%	\$5,424	\$5,138	-5.27%	-\$286
Congoleum	4,854	4,065	-16.46%	\$10.00	6.40%	\$48,540	\$43,145	-11.11%	-\$5,395
Monroe - Sanitary	7,500	7,500	0.00%	\$10.00	6.40%	\$75,000	\$79,800	6.40%	\$4,800
TOTAL	55,400	56,819	2.56%			\$363,737	\$391,813	7.72%	\$28,077
Wholesale EDU:									
Brookhaven	248,577	252,915	1.75%	\$2.48	16.98%	\$526,983	\$627,229	19.02%	\$100,246
Nether Providence	373,260	340,918	-8.66%	\$2.48	16.98%	\$791,311	\$845,477	6.85%	\$54,165
TOTAL	621,837	593,833	-4.50%			\$1,318,294	\$1,472,706	11.71%	\$154,411
WESTERN:									
Southern	821,250	803,000	-2.22%	\$2.31	6.49%	\$1,897,088	\$1,975,360	4.13%	\$78,273
Soccer Stadium	4,650	4,650	0.00%	\$2.31	6.49%	\$10,742	\$11,439	6.49%	\$698
Egystona	146,000	146,000	0.00%	\$2.31	6.49%	\$337,260	\$359,160	6.49%	\$21,900
Boeing	45,625	45,625	0.00%	\$2.31	6.49%	\$105,394	\$112,238	6.49%	\$6,844
Hamm's Racino	21,000	21,000	0.00%	\$2.31	6.49%	\$48,510	\$51,560	6.49%	\$3,150
Lower Chichester	182,500	182,500	0.00%	\$2.31	6.49%	\$421,575	\$448,950	6.49%	\$27,375
TOTAL	1,221,025	1,202,775	-1.49%			\$2,820,566	\$2,956,927	4.90%	\$136,361
Wholesale Industrial: (I)									
Kimberly Clark	1,369,750	1,368,750	0.00%	\$2.56	6.25%	\$3,504,000	\$3,725,000	6.25%	\$219,000
Sunoco	1,003,750	1,131,500	12.73%	\$2.56	6.25%	\$2,569,500	\$3,077,580	19.77%	\$508,080
Braskem	66,300	71,600	7.99%	\$2.72	6.25%	\$169,728	\$194,752	14.74%	\$25,024
Liberty	132,500	145,200	9.58%	\$2.56	6.25%	\$339,200	\$394,944	16.43%	\$55,744
Monroe-Process	51,100	51,100	0.00%	\$2.56	6.25%	\$130,816	\$138,992	6.25%	\$8,176
FPL	93,200	116,400	24.89%	\$2.56	6.25%	\$238,592	\$315,608	32.70%	\$78,016
TOTAL	2,715,500	2,884,550	6.22%			\$6,951,896	\$7,845,976	12.66%	\$894,080
Chester Ridley Creek	930,750	887,970	-6.75%	\$2.82	6.38%	\$2,624,715	\$2,603,910	-0.79%	-\$20,805
Southwest Authority	620,500	628,530	1.29%	\$2.82	6.38%	\$1,749,810	\$1,885,590	7.76%	\$135,780
Middletown									
TOTAL	1,551,250	1,496,500	-3.55%			\$4,374,525	\$4,489,500	2.63%	\$114,975
Total West	7,327,759	7,370,357	0.58%			\$21,869,509	\$23,599,099	7.00%	\$1,729,590

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

DELAWARE COUNTY REGIONAL
WATER QUALITY CONTROL AUTHORITY
2018 BUDGET

RATES AND CHARGES- Eastern

	PROJECTED		RATE Per 000 Gallons	% Change	2017 Budget	2018 Budget	% Change	Total Revenue		% Change	\$ Change
	FLOW IN MM GALLONS	2018 Budget						2017 Budget	2018 Budget		
Eastern Authority	4,015,000	3,923,750	\$2.18	-2.27%	\$2.32	\$2.32	6.42%	\$8,752,700	\$9,103,100	4.00%	\$350,400
Central Delaware County Authority	7,847,500	7,665,000	\$2.18	-2.33%	\$2.32	\$2.32	6.42%	\$17,107,550	\$17,782,800	3.95%	\$675,250
Darby Creek Joint Authority	1,825,000	1,825,000	\$2.18	0.00%	\$2.32	\$2.32	6.42%	\$3,978,500	\$4,234,000	6.42%	\$255,500
TOTAL	13,687,500	13,413,750		-2.00%				\$29,838,750	\$31,119,900	4.29%	\$1,281,150

**DELAWARE COUNTY REGIONAL
WATER QUALITY CONTROL AUTHORITY**

2018 BUDGET

REVENUE AND EXPENSE ANALYSIS

Revenues:	2017	2018	\$ Change	% Change
Service Charges:				
Eastern Delaware County				
Central Delaware County Authority	\$8,752,700	\$9,103,100	\$350,400	4.00%
Darby Creek Joint Authority	\$17,107,550	\$17,782,800	\$675,250	3.95%
Muckinipates Authority	\$3,978,500	\$4,234,000	\$255,500	6.42%
Edgmont	\$1,105,000	\$1,105,000	\$0	0.00%
	<u>\$30,943,750</u>	<u>\$32,224,900</u>	<u>\$1,281,150</u>	<u>4.14%</u>
Western Delaware County				
Residential	\$6,040,246	\$6,240,271	\$200,026	3.31%
EDU Wholesale	\$1,318,294	\$1,472,706	\$154,411	11.71%
Retail Industrial	\$363,737	\$391,813	\$28,077	7.72%
Western Wholesale	\$2,820,568	\$2,958,827	\$138,259	4.90%
Wholesale Industrial	\$6,951,936	\$7,845,976	\$894,040	12.86%
Chester Ridley Creek	\$4,374,525	\$4,489,500	\$114,975	2.63%
	<u>\$21,869,306</u>	<u>\$23,399,093</u>	<u>\$1,529,788</u>	<u>7.00%</u>
Remote Locations	\$950,000	\$950,000	\$0	0.00%
Total Service Charges	<u>\$53,763,056</u>	<u>\$56,573,993</u>	<u>\$2,810,938</u>	<u>5.23%</u>
Other Revenues:				
Interest Income Investments	\$400,000	\$750,000	\$350,000	87.50%
Residual Waste	\$4,000,000	\$4,500,000	\$500,000	12.50%
Covanta Effluent Usage	\$85,000	\$85,000	\$0	0.00%
Load Surcharge	\$375,000	\$325,000	-\$50,000	-13.33%
Other Income	\$350,000	\$300,000	-\$50,000	-14.29%
	<u>\$5,210,000</u>	<u>\$5,960,000</u>	<u>\$750,000</u>	<u>14.40%</u>
Total Revenues	<u>\$58,973,056</u>	<u>\$62,533,993</u>	<u>\$3,560,938</u>	<u>6.04%</u>
Expense:				
Philadelphia Plant Treatment Costs	\$10,428,741	\$10,875,452	\$446,711	4.28%
Debt Service	\$11,650,000	\$12,050,000	\$400,000	3.43%
Salaries & Wages	\$9,942,617	\$10,765,295	\$822,678	8.27%
Overtime	\$1,333,600	\$1,321,420	-\$12,180	-0.91%
Utilities	\$2,892,450	\$3,097,600	\$205,150	7.09%
Chemicals	\$775,000	\$815,000	\$40,000	5.16%
Employee Benefits	\$4,398,918	\$4,807,075	\$408,157	9.28%
Pension	\$1,711,040	\$1,600,000	-\$111,040	-6.49%
Repairs & Maintenance	\$2,159,142	\$2,838,069	\$678,927	31.44%
Insurance	\$744,418	\$837,347	\$92,929	12.48%
Minor Equipment & Supplies	\$264,407	\$240,900	-\$23,507	-8.89%
Information Technology	\$605,500	\$690,700	\$85,200	14.07%
Solicitor	\$550,000	\$550,000	\$0	0.00%
Consulting	\$225,000	\$225,000	\$0	0.00%
Solids Disposal/Grit Screening	\$1,045,000	\$1,143,800	\$98,800	9.45%
Engineering	\$405,000	\$350,000	-\$55,000	-13.58%
Other Contracted Services	\$810,050	\$869,450	\$59,400	7.33%
Office & Advertising	\$190,275	\$209,850	\$19,575	10.29%
Strategic Plan	\$150,000	\$15,000	-\$135,000	-90.00%
Dues and Conferences	\$82,400	\$72,050	-\$10,350	-12.56%
Edgmont Treatment	\$200,000	\$135,000	-\$65,000	-32.50%
Education and Training	\$76,000	\$126,700	\$50,700	66.71%
Contingency	\$700,000	\$700,000	\$0	0.00%
Capital Reserve PWD and Chester LTCP	\$7,000,000	\$7,000,000	\$0	0.00%
Capital Reserve Replacing Capital Assets	\$633,498	\$1,198,285	\$564,787	89.15%
Total Expenses	<u>\$58,973,056</u>	<u>\$62,533,993</u>	<u>\$3,560,937</u>	<u>6.04%</u>

NC = Not Calculable

**DELAWARE COUNTY REGIONAL
WATER QUALITY CONTROL AUTHORITY**

2018 BUDGET SUMMARY

EXPENSE BY DEPARTMENT

	<u>2017</u>	<u>2018</u>	<u>\$ Change</u>	<u>% Change</u>
Expense:				
Administration, IT, Engineering				
Total	\$6,728,406	\$6,864,135	\$135,729	2.02%
Debt Service:				
Total	\$11,650,000	\$12,050,000	\$400,000	3.43%
Operations and Maintenance:				
Eastern Delaware County:				
Pump Stations	\$1,283,447	\$1,322,335	\$38,888	3.03%
Philadelphia Treatment	\$10,428,741	\$10,875,452	\$446,711	4.28%
Total East Expenses	<u>\$11,712,188</u>	<u>\$12,197,787</u>	<u>\$485,599</u>	<u>4.15%</u>
Western Delaware County:				
Western Regional Treatment Plant	\$11,191,418	\$12,577,580	\$1,386,162	12.39%
Industrial Pretreatment	\$362,200	\$468,145	\$105,945	29.25%
Central Lab	\$707,048	\$634,801	-\$72,247	-10.22%
Chester Pump Station	\$381,018	\$404,932	\$23,914	6.28%
Sewer Maintenance	\$2,227,048	\$2,342,355	\$115,307	5.18%
Chester Area Lift Stations	\$109,408	\$122,715	\$13,307	12.16%
Eddystone Pump Station	\$71,049	\$75,132	\$4,083	5.75%
Customer Revenue (Billing)	\$698,325	\$738,867	\$40,542	5.81%
Marcus Hook/Lower Chi	\$128,489	\$134,524	\$6,035	4.70%
Trainer Pump Stations	\$29,128	\$35,971	\$6,843	23.49%
Remote Locations	\$1,457,679	\$1,503,651	\$45,972	3.15%
Sludge Processing	\$2,444,000	\$2,749,500	\$305,500	12.50%
Southern Pump Stations	\$43,846	\$39,753	-\$4,093	-9.33%
Chester Ridley Creek	\$325,578	\$359,866	\$34,288	10.53%
Edgmont	\$372,730	\$335,994	-\$36,736	-9.86%
Contingency	\$700,000	\$700,000	\$0	0.00%
Total West Expenses	<u>\$21,248,964</u>	<u>\$23,223,786</u>	<u>\$1,974,822</u>	<u>9.29%</u>
 Total Expenses	 <u>\$51,339,558</u>	 <u>\$54,335,708</u>	 <u>\$2,996,150</u>	 <u>5.84%</u>
 Expenses Without Debt Service	 <u>\$39,689,558</u>	 <u>\$42,285,708</u>	 <u>\$2,596,150</u>	 <u>6.54%</u>

DELAWARE COUNTY REGIONAL
WATER QUALITY CONTROL AUTHORITY

2018

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)

Adopted by Board: November 21, 2017

Approved by
Consulting Engineer:



**2018
ESTIMATE
SERVICE CHARGE**

To: Central Delaware County Authority

Statement of Estimates of Service Charge for
Calendar Year 2018 per Section 3.06 of
Service Agreement Dated December 1, 1973
(plus subsequent amendments)

	<u>2017</u>	<u>2018</u>
1. Estimated Operating and Capital costs of DELCORA for Eastern Delaware County System	\$29,838,750	\$31,119,900
2. Estimated Amount to be Paid to DELCORA During Year	\$8,752,700	\$9,103,100
3. Amount of Credit Resulting from Previous Years Overpayment	\$0	\$0
4. Amount of Credit Resulting from Governmental Grants, etc.	\$0	\$0
Total Credits	<u>\$0</u>	<u>\$0</u>
Net Estimated Billing	\$8,752,700	\$9,103,100
5. Amount Due as Result of any Prior Year's Bill not Paid Plus Interest	\$0	\$0
Total Due for Year	<u>\$8,752,700</u>	<u>\$9,103,100</u>

Payment of Above Due as Follows:

March 31, 2018	\$2,275,775
June 30, 2018	\$2,275,775
September 30, 2018	\$2,275,775
December 31, 2018	<u>\$2,275,775</u>
Total	<u>\$9,103,100</u>

**2018
ESTIMATE
SERVICE CHARGE**

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)

	2017	2018
1. Estimated Operating and Capital costs of DELCORA for Eastern Delaware County System	\$29,838,750	\$31,119,900
2. Estimated Amount to be Paid to DELCORA During Year	\$17,107,550	\$17,782,800
3. Amount of Credit Resulting from Previous Years Overpayment NONE	\$0	\$0
4. Amount of Credit Resulting from Governmental Grants, etc.	\$0	\$0
Total Credits	\$0	\$0
Net Estimated Billing	\$17,107,550	\$17,782,800
5. Amount Due as Result of any Prior Year's Bill not Paid Plus Interest	\$0	\$0
Total Due for Year	\$17,107,550	\$17,782,800

Payment of Above Due as Follows:

March 31, 2018	\$4,445,700
June 30, 2018	\$4,445,700
September 30, 2018	\$4,445,700
December 31, 2018	\$4,445,700
Total	\$17,782,800

**2018
ESTIMATE
SERVICE CHARGE**

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)

	<u>2017</u>	<u>2018</u>
1. Estimated Operating and Capital costs of DELCORA for Eastern Delaware County System	\$29,838,750	\$31,119,900
2. Estimated Amount to be Paid to DELCORA During Year	\$3,978,500	\$4,234,000
3. Amount of Credit Resulting from Previous Years Overpayment	\$0	\$0
4. Amount of Credit Resulting from Governmental Grants, etc.	\$0	\$0
Total Credits	<u>\$0</u>	<u>\$0</u>
Net Estimated Billing	<u>\$3,978,500</u>	<u>\$4,234,000</u>
5. Amount Due as Result of any Prior Year's Bill not Paid Plus Interest	\$0	\$0
Total Due for Year	<u><u>\$3,978,500</u></u>	<u><u>\$4,234,000</u></u>

Payment of Above Due as Follows:

March 31, 2018	\$1,058,500
June 30, 2018	\$1,058,500
September 30, 2018	\$1,058,500
December 31, 2018	\$1,058,500
Total	<u><u>\$4,234,000</u></u>