

DELAWARE COUNTY REGIONAL  
WATER QUALITY CONTROL AUTHORITY

DELAWARE COUNTY, PENNSYLVANIA

2019 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, 2019

and

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

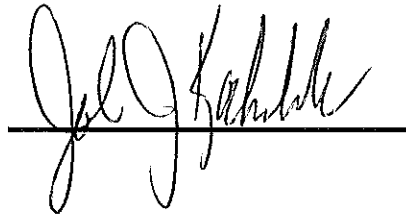
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Prepared by:  
Robert J. Willert, Executive Director

John Pileggi, Controller

Proposed Adoption by Board: November 20, 2018

Approved by  
Consulting Engineer:



**DELAWARE COUNTY REGIONAL  
WATER QUALITY CONTROL AUTHORITY  
2019 BUDGET**

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DELAWARE COUNTY REGIONAL  
WATER QUALITY CONTROL AUTHORITY  
2019 BUDGET

RATES AND CHARGES- WESTERN

	PROJECTED FLOW IN MM GALLONS		% Change	RATE or Charge Per Minimum	% Change	Total Revenue		% Change	\$ Change
	2018	2019				2018	2019		
<b>Retail:</b>									
Chester City	831,687	823,028	-1.04%	\$4.93	7.91%	\$4,100,217	\$4,378,509	6.79%	\$278,292
Parkside	43,093	43,296	0.47%	\$5.32	7.91%	\$212,153	\$230,335	8.57%	\$18,182
Upland	139,839	133,520	-4.52%	\$4.93	7.91%	\$669,401	\$710,326	3.04%	\$20,925
Chester Twp.	35,353	35,612	0.73%	\$4.93	7.91%	\$174,290	\$189,456	8.70%	\$15,166
Trainer	36,836	39,982	8.54%	\$5.32	-44.87%	\$355,467	\$212,704	-40.16%	-\$142,763
Marcus Hook	45,280	44,779	-1.06%	\$7.53	7.97%	\$340,808	\$364,053	6.82%	\$23,245
Minimums # of accounts	3,873	3,873	0.00%	\$95.00	5.00%	\$367,935	\$386,332	5.00%	\$18,397
<b>TOTAL</b>	<b>1,355,860</b>	<b>1,244,090</b>	<b>-8.19%</b>			<b>\$6,246,271</b>	<b>\$6,471,715</b>	<b>3.71%</b>	<b>\$225,444</b>
<b>Retail Industrial (1)</b>									
Exelon	1,399	1,643	17.44%	\$5.94	8.08%	\$8,310	\$10,548	26.93%	\$2,238
Ace Linen	18,500	16,000	-13.51%	\$5.94	8.08%	\$80,190	\$102,720	28.10%	\$22,530
PQ	20,000	20,000	0.00%	\$5.94	8.08%	\$118,800	\$128,400	8.08%	\$9,600
Delco Linens	9,500	8,350	-12.11%	\$5.94	8.08%	\$56,430	\$59,807	6.00%	\$3,377
Covanta	865	1,027	18.73%	\$5.94	8.08%	\$5,138	\$6,593	29.32%	\$1,455
Congoleum	4,055	4,400	8.51%	\$10.64	-39.66%	\$43,145	\$28,248	-34.53%	-\$14,897
Morris - Sanitary	7,500	6,000	-20.00%	\$10.64	-39.66%	\$78,800	\$38,520	-51.73%	-\$40,280
<b>TOTAL</b>	<b>56,819</b>	<b>57,420</b>	<b>1.06%</b>			<b>\$391,613</b>	<b>\$366,636</b>	<b>-6.38%</b>	<b>-\$24,977</b>
<b>Wholesale</b>									
EDU:									
Brookhaven	252,916	270,146	6.81%	\$2.48	8.06%	\$627,229	\$723,591	15.43%	\$96,362
Netter Providence	340,918	382,346	12.15%	\$2.48	8.06%	\$845,477	\$1,024,687	21.20%	\$179,210
<b>TOTAL</b>	<b>593,833</b>	<b>652,492</b>	<b>10.98%</b>			<b>\$1,472,706</b>	<b>\$1,748,679</b>	<b>18.74%</b>	<b>\$275,973</b>
<b>WESTERN:</b>									
Southern	803,000	803,000	0.00%	\$2.46	8.13%	\$1,975,980	\$2,135,980	8.13%	\$160,000
Soccer Stadium	4,650	4,650	0.00%	\$2.46	8.13%	\$11,439	\$12,369	8.13%	\$930
Eddystone	146,000	146,000	0.00%	\$2.46	8.13%	\$359,160	\$386,380	8.13%	\$27,220
Beeing	45,625	45,625	0.00%	\$2.46	8.13%	\$112,238	\$121,393	8.13%	\$9,155
Harris's Racino	21,000	21,000	0.00%	\$2.46	8.13%	\$51,660	\$55,860	8.13%	\$4,200
Lower Chichester	182,500	182,500	0.00%	\$2.46	8.13%	\$448,950	\$485,450	8.13%	\$36,500
<b>TOTAL</b>	<b>1,202,775</b>	<b>1,202,775</b>	<b>0.00%</b>			<b>\$2,958,927</b>	<b>\$3,198,392</b>	<b>8.13%</b>	<b>\$240,565</b>
<b>Wholesale Industrial (1)</b>									
Kimberly Clark	1,368,750	1,368,750	0.00%	\$2.72	8.09%	\$3,723,000	\$4,024,125	8.09%	\$301,125
Sunoco	1,058,500	1,058,500	0.00%	\$2.72	8.09%	\$2,878,800	\$3,111,990	8.11%	\$233,190
Brakem	71,600	76,000	6.15%	\$2.72	8.09%	\$194,752	\$207,440	6.48%	\$12,688
Dynegy (Liberty Electric)	143,200	121,500	-15.89%	\$2.72	8.09%	\$389,944	\$327,210	-16.42%	-\$62,734
Monroe-Process	51,100	51,100	0.00%	\$2.72	8.09%	\$138,992	\$150,234	8.09%	\$11,242
Marcus Hook Energy (FPL)	116,400	116,400	0.00%	\$2.72	8.09%	\$316,608	\$342,216	8.09%	\$25,608
<b>TOTAL</b>	<b>2,884,550</b>	<b>2,792,250</b>	<b>-3.20%</b>			<b>\$7,845,976</b>	<b>\$8,209,215</b>	<b>4.63%</b>	<b>\$363,239</b>
<b>Other:</b>									
Chester Ridley Creek	867,970	897,900	3.45%	\$3.00	8.00%	\$2,603,910	\$2,909,196	11.72%	\$305,286
Southwest Authority	629,530	596,600	-5.24%	\$3.00	8.00%	\$1,885,590	\$1,939,464	2.86%	\$53,874
Middletown	1,496,500	1,496,500	0.00%	\$3.00	8.00%	\$4,489,500	\$4,848,660	8.00%	\$359,160
<b>TOTAL</b>	<b>3,000,000</b>	<b>2,991,000</b>	<b>-0.30%</b>			<b>\$8,979,000</b>	<b>\$9,696,320</b>	<b>8.11%</b>	<b>\$717,320</b>

(1) Plus excess BOD/TSS surcharge at \$.32/LB and \$.265/LB respectively. Dalcora has a surcharge for BOD and TSS over 300 MG/L. Permit industries at times send Dalcora an excess of this amount, which may result in a surcharge amount.

DELAWARE COUNTY REGIONAL  
WATER QUALITY CONTROL AUTHORITY  
2019 BUDGET

**RATES AND CHARGES- Eastern**

	PROJECTED		RATE Per 000 Gallons	% Change	% Change		Total Revenue		% Change	\$ Change
	2018 Budget	2019 Budget			2018 Budget	2019 Budget	2018 Budget	2019 Budget		
Eastern Authority	3,923,750	3,832,500	\$2.32	-2.33%	8.19%	\$9,103,100	\$9,619,575	5.67%	\$516,475	
Central Delaware County Authority	7,665,000	7,482,500	\$2.32	-2.38%	8.19%	\$17,782,800	\$18,781,075	5.61%	\$998,275	
Darby Creek Joint Authority	1,825,000	1,733,750	\$2.32	-5.00%	8.19%	\$4,234,000	\$4,351,713	2.78%	\$117,713	
Muckinipates Authority										
<b>TOTAL</b>	<b>13,413,750</b>	<b>13,048,750</b>		<b>-2.72%</b>		<b>\$31,119,900</b>	<b>\$32,752,363</b>	<b>5.25%</b>	<b>\$1,632,463</b>	

**RATES AND CHARGES- Other Residential**

	Number of EDU's/ 000 Gallons		RATE Per EDU/ 000 Gallons		% Change		Total Revenue		% Change	\$ Change
	2018 Budget	2019 Budget	2018 Budget	2019 Budget	2018 Budget	2019 Budget	2018 Budget	2019 Budget		
Rose Valley Pump Station	373	373	\$625.00	\$900.00	44.00%	\$233,125	\$335,700	44.00%	\$102,575	
Rose Valley Residents	127	127	\$625.00	\$900.00	44.00%	\$79,375	\$114,300	44.00%	\$34,925	
Nether Providence Residents	500	500				\$312,500	\$450,000	44.00%	\$137,500	
Total Rose Valley Pump Station										
Pocobson	160	160	\$880.00	\$880.00	0.00%	\$140,800	\$140,800	0.00%	\$0	
Riverside	66	66	\$1,400.00	\$1,400.00	0.00%	\$92,400	\$92,400	0.00%	\$0	
Preserve	226	226				\$233,200	\$233,200	0.00%	\$0	
Edgmont	660	675	\$1,275.00	\$1,275.00	0.00%	\$841,500	\$860,625	2.27%	\$19,125	
Residential	140	145	\$1,025.00	\$1,025.00	0.00%	\$143,500	\$148,625	3.57%	\$5,125	
Commercial Based on EDU	12,200	12,390	\$10.25	\$10.25	0.00%	\$125,050	\$126,998	1.56%	\$1,948	
Commercial Based on Flow						\$1,110,050	\$1,136,248			
<b>TOTAL</b>						<b>\$1,655,750</b>	<b>\$1,819,448</b>	<b>9.89%</b>	<b>\$301,198</b>	

**DELAWARE COUNTY REGIONAL  
WATER QUALITY CONTROL AUTHORITY**

**2019 BUDGET**

**REVENUE AND EXPENSE ANALYSIS**

Revenues:	2018	2019	\$ Change	% Change
<b>Service Charges:</b>				
Eastern Delaware County				
Central Delaware County Authority	\$9,103,100	\$9,619,575	\$516,475	5.67%
Darby Creek Joint Authority	\$17,782,800	\$18,781,075	\$998,275	5.61%
Muckinipates Authority	\$4,234,000	\$4,351,713	\$117,713	2.78%
	<u>\$31,119,900</u>	<u>\$32,752,363</u>	<u>\$1,632,463</u>	<u>5.25%</u>
Western Delaware County				
Residential	\$6,240,271	\$6,471,715	\$231,444	3.71%
EDU Wholesale	\$1,472,706	\$1,748,679	\$275,973	18.74%
Retail Industrial	\$391,813	\$368,636	-\$23,177	-5.92%
Western Wholesale	\$2,958,827	\$3,199,382	\$240,555	8.13%
Wholesale Industrial	\$7,845,976	\$8,209,215	\$363,239	4.63%
Chester Ridley Creek	\$4,489,500	\$4,848,660	\$359,160	8.00%
	<u>\$23,399,093</u>	<u>\$24,846,287</u>	<u>\$1,447,194</u>	<u>6.18%</u>
Other Residential	\$1,655,750	\$1,819,448	\$163,698	9.89%
Remote Locations	\$399,250	\$400,000	\$750	0.19%
<b>Total Service Charges</b>	<u>\$56,573,993</u>	<u>\$59,818,097</u>	<u>\$3,244,104</u>	<u>5.73%</u>
<b>Other Revenues:</b>				
Interest Income Investments	\$750,000	\$1,250,000	\$500,000	66.67%
Residual Waste	\$4,500,000	\$4,750,000	\$250,000	5.56%
Covanta Effluent Usage	\$85,000	\$85,000	\$0	0.00%
Load Surcharge	\$325,000	\$325,000	\$0	0.00%
Other Income	\$300,000	\$300,000	\$0	0.00%
	<u>\$5,960,000</u>	<u>\$6,710,000</u>	<u>\$750,000</u>	<u>12.58%</u>
<b>Total Revenues</b>	<u>\$62,533,993</u>	<u>\$66,528,097</u>	<u>\$3,994,104</u>	<u>6.39%</u>
<b>Expense:</b>				
Philadelphia Plant Treatment Costs	\$10,875,452	\$11,187,262	\$311,810	2.87%
Debt Service	\$12,050,000	\$12,750,000	\$700,000	5.81%
Salaries & Wages	\$10,765,295	\$11,299,320	\$534,025	4.96%
Overtime	\$1,321,420	\$1,497,850	\$176,430	13.35%
Utilities	\$3,097,600	\$2,690,100	-\$407,500	-13.16%
Chemicals	\$815,000	\$990,000	\$175,000	21.47%
Employee Benefits	\$4,807,075	\$4,669,721	-\$137,354	-2.86%
Pension	\$1,600,000	\$1,640,000	\$40,000	2.50%
Repairs & Maintenance	\$2,838,069	\$2,848,450	\$10,381	0.37%
Insurance	\$837,347	\$968,122	\$130,775	15.62%
Minor Equipment & Supplies	\$240,900	\$351,513	\$110,613	45.92%
Information Technology	\$690,700	\$773,000	\$82,300	11.92%
Solicitor	\$550,000	\$500,000	-\$50,000	-9.09%
Consulting	\$225,000	\$230,000	\$5,000	2.22%
Solids Disposal/Grit Screening	\$1,143,800	\$1,252,500	\$108,700	9.50%
Engineering	\$350,000	\$395,000	\$45,000	12.86%
Other Contracted Services	\$869,450	\$869,950	\$500	0.06%
Office & Advertising	\$209,850	\$226,850	\$17,000	8.10%
Strategic Plan	\$15,000	\$0	-\$15,000	-100.00%
Dues and Conferences	\$72,050	\$104,250	\$32,200	44.69%
Edgmont Treatment	\$135,000	\$140,000	\$5,000	3.70%
Education and Training	\$126,700	\$155,900	\$29,200	23.05%
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	\$1,198,285	\$3,288,309	\$2,090,024	174.42%
<b>Total Expenses</b>	<u>\$62,533,993</u>	<u>\$66,528,097</u>	<u>\$3,994,104</u>	<u>6.39%</u>

NC = Not Calculable

**DELAWARE COUNTY REGIONAL  
WATER QUALITY CONTROL AUTHORITY**

**2019 BUDGET SUMMARY**

**EXPENSE BY DEPARTMENT**

	<u>2018</u>	<u>2019</u>	<u>\$ Change</u>	<u>% Change</u>
Expense:				
Administration, IT, Engineering				
Total	\$6,864,135	\$6,990,030	\$125,895	1.83%
Debt Service:				
Total	\$12,050,000	\$12,750,000	\$700,000	5.81%
Operations and Maintenance:				
Eastern Delaware County:				
Pump Stations	\$1,322,335	\$1,308,236	-\$14,099	-1.07%
Philadelphia Treatment	\$10,875,452	\$11,187,262	\$311,810	2.87%
Total East Expenses	<u>\$12,197,787</u>	<u>\$12,495,498</u>	<u>\$297,711</u>	<u>2.44%</u>
Western Delaware County:				
Western Regional Treatment Plant	\$12,577,580	\$12,935,558	\$357,978	2.85%
Industrial Pretreatment	\$468,145	\$494,338	\$26,193	5.60%
Central Lab	\$634,801	\$673,878	\$39,077	6.16%
Chester Pump Station	\$404,932	\$407,715	\$2,783	0.69%
Sewer Maintenance	\$2,342,355	\$2,491,450	\$149,095	6.37%
Chester Area Lift Stations	\$122,715	\$122,872	\$157	0.13%
Eddystone Pump Station	\$75,132	\$83,568	\$8,436	11.23%
Customer Revenue (Billing)	\$738,867	\$685,073	-\$53,794	-7.28%
Marcus Hook/Lower Chi	\$134,524	\$131,897	-\$2,627	-1.95%
Trainer Pump Stations	\$35,971	\$37,932	\$1,961	5.45%
Remote Locations	\$1,503,651	\$1,567,565	\$63,914	4.25%
Sludge Processing	\$2,749,500	\$2,902,250	\$152,750	5.56%
Southern Pump Stations	\$39,753	\$38,386	-\$1,367	-3.44%
Chester Ridley Creek	\$359,866	\$397,489	\$37,623	10.45%
Edgmont	\$335,994	\$334,289	-\$1,705	-0.51%
Contingency	\$700,000	\$700,000	\$0	0.00%
Total West Expenses	<u>\$23,223,786</u>	<u>\$24,004,260</u>	<u>\$780,474</u>	<u>3.36%</u>
Total Expenses	<u>\$54,335,708</u>	<u>\$56,239,788</u>	<u>\$1,904,080</u>	<u>3.50%</u>
Expenses Without Debt Service	<u>\$42,285,708</u>	<u>\$43,489,788</u>	<u>\$1,204,080</u>	<u>2.85%</u>

DELAWARE COUNTY REGIONAL  
WATER QUALITY CONTROL AUTHORITY

2019

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ESTIMATE OF SERVICE CHARGES

FOR

CENTRAL DELAWARE COUNTY AUTHORITY

DARBY CREEK JOINT AUTHORITY

MUCKINIPATES AUTHORITY

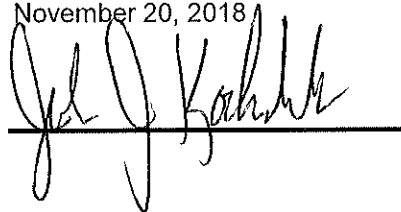
In Accordance With Section 3.06 of the  
Service agreements Dated December 1, 1973  
( plus subsequent amendments)

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Adopted by Board: November 20, 2018

Approved by  
Consulting Engineer:



A handwritten signature in black ink, appearing to read 'John J. Kachuk', is written over a solid horizontal line.

**2019  
ESTIMATE  
SERVICE CHARGE**

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To: Central Delaware County Authority

Statement of Estimates of Service Charge for  
Calendar Year 2019 per Section 3.06 of  
Service Agreement Dated December 1, 1973  
(plus subsequent amendments)

	2018	2019
1. Estimated Operating and Capital costs of DELCORA for Eastern Delaware County System	\$31,119,900	\$32,752,363
2. Estimated Amount to be Paid to DELCORA During Year	\$9,103,100	\$9,619,575
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	\$9,103,100	\$9,619,575
5. Amount Due as Result of any Prior Year's Bill not Paid Plus Interest	\$0	\$0
Total Due for Year	\$9,103,100	\$9,619,575

Payment of Above Due as Follows:

March 31, 2019	\$2,404,894
June 30, 2019	\$2,404,894
September 30, 2019	\$2,404,894
December 31, 2019	\$2,404,894
Total	\$9,619,575



**2019  
ESTIMATE  
SERVICE CHARGE**

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To: Darby Creek Joint Authority

Statement of Estimates of Service Charge for  
Calendar Year 2019 per Section 3.06 of  
Service Agreement Dated December 1, 1973  
(plus subsequent amendments)

	2018	2019
1. Estimated Operating and Capital costs of DELCORA for Eastern Delaware County System	\$31,119,900	\$32,752,363
2. Estimated Amount to be Paid to DELCORA During Year	\$17,782,800	\$18,781,075
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	\$17,782,800	\$18,781,075
5. Amount Due as Result of any Prior Year's Bill not Paid Plus Interest	\$0	\$0
Total Due for Year	\$17,782,800	\$18,781,075

Payment of Above Due as Follows:

March 31, 2019	\$4,695,269
June 30, 2019	\$4,695,269
September 30, 2019	\$4,695,269
December 31, 2019	\$4,695,269
Total	\$18,781,075

**2019  
ESTIMATE  
SERVICE CHARGE**

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To: Muckinipates Authority

Statement of Estimates of Service Charge for  
Calendar Year 2019 per Section 3.06 of  
Service Agreement Dated December 1, 1973  
(plus subsequent amendments)

	2018	2019
1. Estimated Operating and Capital costs of DELCORA for Eastern Delaware County System	\$31,119,900	\$32,752,363
2. Estimated Amount to be Paid to DELCORA During Year	\$4,234,000	\$4,351,713
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	\$4,234,000	\$4,351,713
5. Amount Due as Result of any Prior Year's Bill not Paid Plus Interest	\$0	\$0
Total Due for Year	\$4,234,000	\$4,351,713

Payment of Above Due as Follows:

March 31, 2019	\$1,087,928
June 30, 2019	\$1,087,928
September 30, 2019	\$1,087,928
December 31, 2019	\$1,087,928
Total	\$4,351,713