

DELAWARE COUNTY REGIONAL  
WATER QUALITY CONTROL AUTHORITY  
DELAWARE COUNTY, PENNSYLVANIA  
2020 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, 2020

and

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

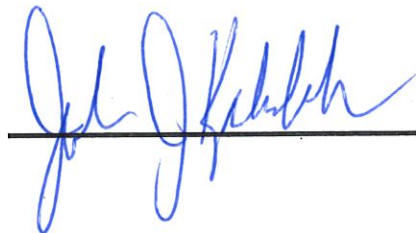
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Prepared by:  
Robert J. Willert, Executive Director

John Pileggi, Controller

Proposed Adoption by Board: 11/19/2019

Approved by  
Consulting Engineer:



**DELAWARE COUNTY REGIONAL  
WATER QUALITY CONTROL AUTHORITY  
2020 BUDGET**

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DELAWARE COUNTY REGIONAL  
WATER QUALITY CONTROL AUTHORITY  
2020 BUDGET

RATES AND CHARGES- WESTERN

	PROJECTED FLOW IN 1000 GALLONS		RATE		1,000 Gallons/		Total Revenue		% Change		\$ Change
	2019	2020	Change	%	or Charge Per Minimum		2019	2020	2019	2020	
					2019	2020					
Retail:											
Chester City	828,028	859,109	4.38%		\$5.32	8.08%	\$4,378,509	\$4,939,877	12.82%		\$561,368
Parkside	43,296	41,875	-3.28%		\$5.32	8.08%	\$230,935	\$240,781	4.54%		\$10,447
Upland	133,520	133,361	-0.12%		\$5.32	8.08%	\$710,326	\$768,826	7.95%		\$56,499
Chester Twp.	39,812	37,743	-5.88%		\$5.32	8.08%	\$189,456	\$217,022	14.55%		\$27,566
Trainer	39,982	39,661	-1.05%		\$5.32	8.08%	\$212,704	\$227,476	6.94%		\$14,772
Marcus Hook	44,779	41,761	-6.74%		\$8.13	8.00%	\$364,053	\$369,662	0.72%		\$2,508
Minimums # of accounts	3,873	3,969	2.55%		\$98.75	8.00%	\$386,332	\$416,807	7.89%		\$30,476
<b>TOTAL</b>	<b>1,124,090</b>	<b>1,157,279</b>	<b>2.95%</b>				<b>\$6,473,715</b>	<b>\$7,175,451</b>	<b>10.87%</b>		<b>\$703,736</b>

Retail Industrial (1):											
Exelon	1,643	1,643	0.00%		\$6.42	7.94%	\$10,546	\$11,586	7.94%		\$838
Ace Linen	16,000	20,000	25.00%		\$6.42	7.94%	\$102,720	\$138,600	34.93%		\$35,880
PQ	20,000	20,000	0.00%		\$6.42	7.94%	\$128,400	\$138,600	7.94%		\$10,200
Delco Linens	8,350	7,270	-12.98%		\$6.42	7.94%	\$53,607	\$50,391	-6.02%		-\$3,226
Covanta	1,027	2,000	94.74%		\$6.42	7.94%	\$6,593	\$13,660	110.21%		\$7,267
Congoleum	4,400	4,900	11.36%		\$6.42	7.94%	\$28,248	\$33,957	20.21%		\$5,709
Monroe - Sanitary	6,000	6,000	0.00%		\$6.42	7.94%	\$38,520	\$41,580	7.94%		\$3,060
<b>TOTAL</b>	<b>57,420</b>	<b>61,813</b>	<b>7.65%</b>				<b>\$368,636</b>	<b>\$428,364</b>	<b>16.20%</b>		<b>\$59,728</b>

Wholesale											
EDU:											
Brookhaven	270,146	270,981	0.31%		\$2.68	7.84%	\$723,991	\$783,135	8.17%		\$59,144
Netter Providence	382,346	371,721	-2.78%		\$2.68	7.84%	\$1,024,697	\$1,074,274	4.84%		\$49,586
<b>TOTAL</b>	<b>652,492</b>	<b>642,702</b>	<b>-1.50%</b>				<b>\$1,748,679</b>	<b>\$1,857,409</b>	<b>6.22%</b>		<b>\$108,730</b>

WESTERN:											
Southern	803,000	803,000	0.00%		\$2.66	7.89%	\$2,135,980	\$2,304,610	7.89%		\$168,630
Soccer Stadium	4,650	4,650	0.00%		\$2.66	7.89%	\$12,369	\$13,346	7.89%		\$977
Eddystone	146,000	146,000	0.00%		\$2.66	7.89%	\$388,360	\$419,020	7.89%		\$30,660
Boeing	45,625	47,000	3.01%		\$2.66	7.89%	\$121,363	\$134,890	11.15%		\$13,528
Harrish's Ranch	21,000	21,000	0.00%		\$2.66	7.89%	\$55,860	\$60,270	7.89%		\$4,410
Lower Chichester	182,500	182,500	0.00%		\$2.66	7.89%	\$485,450	\$523,775	7.89%		\$38,325
<b>TOTAL</b>	<b>1,202,775</b>	<b>1,204,150</b>	<b>0.11%</b>				<b>\$3,199,982</b>	<b>\$3,455,911</b>	<b>8.02%</b>		<b>\$256,529</b>

Wholesale Industrial (1)											
Kimberly Clark	1,368,750	1,368,750	0.00%		\$2.94	8.16%	\$4,024,125	\$4,352,625	8.16%		\$328,500
Sunoco	1,058,500	1,189,250	12.26%		\$2.94	8.16%	\$3,111,960	\$3,778,635	21.42%		\$666,645
Braskem	78,000	84,000	10.53%		\$2.94	8.16%	\$223,440	\$287,120	19.55%		\$43,680
Dynegy (Liberty Electric)	121,500	93,000	-23.46%		\$2.94	8.16%	\$357,210	\$295,740	-17.21%		-\$61,470
Monroe-Process	51,100	62,050	21.43%		\$2.94	8.16%	\$150,234	\$197,319	31.34%		\$47,085
Marcus Hook Energy (FPL)	116,400	85,000	-26.98%		\$2.94	8.16%	\$342,216	\$270,300	-21.01%		-\$71,916
<b>TOTAL</b>	<b>2,792,250</b>	<b>2,881,050</b>	<b>3.18%</b>				<b>\$8,209,215</b>	<b>\$9,161,739</b>	<b>11.60%</b>		<b>\$952,524</b>
Chester Ridley Creek	897,900	867,250	-7.72%		\$3.24	8.02%	\$2,909,196	\$3,385,375	16.37%		\$476,179
Southwest Authority	598,600	602,250	0.61%		\$3.24	8.02%	\$1,939,464	\$2,107,875	8.68%		\$168,411
Middletown	1,496,600	1,569,500	4.88%				<b>\$4,848,660</b>	<b>\$5,499,250</b>	<b>13.25%</b>		<b>\$644,590</b>
<b>TOTAL</b>	<b>7,325,527</b>	<b>7,516,494</b>	<b>2.61%</b>				<b>\$24,816,267</b>	<b>\$27,572,123</b>	<b>10.97%</b>		<b>\$2,755,856</b>

(1) Plus excess BOD/TSS surcharge at \$.32/LB and \$.285/LB respectively. Delcora has a surcharge for BOD and TSS over 300 MG/L. 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  
2020 BUDGET

**RATES AND CHARGES- Eastern**

	PROJECTED FLOW IN 1,000 GALLONS		% Change	RATE Per 000 Gallons		% Change	Total Revenue		% Change	\$ Change
	2019 Budget	2020 Budget		2019 Budget	2020 Budget		2019 Budget	2020 Budget		
Eastern Authority	3,832,500	3,832,500	0.00%	\$2.51	\$2.71	7.97%	\$9,619,575	\$10,386,075	7.97%	\$766,500
Central Delaware County Authority	7,482,500	7,482,500	0.00%	\$2.51	\$2.71	7.97%	\$18,781,075	\$20,277,575	7.97%	\$1,496,500
Darby Creek Joint Authority	1,733,750	1,733,750	0.00%	\$2.51	\$2.71	7.97%	\$4,351,713	\$4,698,463	7.97%	\$346,750
Muckinipates Authority										
<b>TOTAL</b>	<b>13,048,750</b>	<b>13,048,750</b>	<b>0.00%</b>				<b>\$32,752,363</b>	<b>\$35,362,113</b>	<b>7.97%</b>	<b>\$2,609,750</b>

**RATES AND CHARGES- Other Residential**

	Number of EDUs/0,000 Gallons		% Change	RATE Per EDU/0,000 Gallons		% Change	Total Revenue		% Change	\$ Change
	2019 Budget	2020 Budget		2019 Budget	2020 Budget		2019 Budget	2020 Budget		
Rose Valley Pump Station	373	373	0.00%	\$900.00	\$972.00	8.00%	\$335,700	\$362,556	8.00%	\$26,856
Rose Valley Residents	127	127	0.00%	\$900.00	\$972.00	8.00%	\$114,300	\$123,444	8.00%	\$9,144
Neither Providence Residents	500	500	0.00%				\$450,000	\$486,000	8.00%	\$36,000
Total Rose Valley Pump Station										
Pocopsom	160	160	0.00%	\$880.00	\$950.00	7.95%	\$140,800	\$152,000	7.95%	\$11,200
Riverside	66	66	0.00%	\$1,400.00	\$1,400.00	0.00%	\$92,400	\$92,400	0.00%	\$0
Preserve	226	226	0.00%				\$233,200	\$244,400	4.80%	\$11,200
Edgmont Residential	675	679	0.59%	\$1,275.00	\$1,275.00	0.00%	\$860,625	\$865,725	0.59%	\$5,100
Commercial Based on EDU	145	152	4.83%	\$1,025.00	\$1,025.00	0.00%	\$148,625	\$155,800	4.83%	\$7,175
Commercial Based on Flow	12,390	12,387	-0.02%	\$10.25	\$10.25	0.00%	\$126,998	\$126,967	-0.02%	-\$31
							\$1,136,248	\$1,148,492		\$12,244
<b>TOTAL</b>							<b>\$1,819,448</b>	<b>\$1,878,892</b>	<b>3.27%</b>	<b>\$59,444</b>

**DELAWARE COUNTY REGIONAL  
WATER QUALITY CONTROL AUTHORITY**

**2020 BUDGET**

**REVENUE AND EXPENSE ANALYSIS**

	2019	2020	\$ Change	% Change
<b>Revenues:</b>				
<b>Service Charges:</b>				
Eastern Delaware County				
Central Delaware County Authority	\$9,619,575	\$10,386,075	\$766,500	7.97%
Darby Creek Joint Authority	\$18,781,075	\$20,277,575	\$1,496,500	7.97%
Muckinipates Authority	\$4,351,713	\$4,698,463	\$346,750	7.97%
	<u>\$32,752,363</u>	<u>\$35,362,113</u>	<u>\$2,609,750</u>	<u>7.97%</u>
Western Delaware County				
Residential	\$6,471,715	\$7,175,451	\$703,736	10.87%
EDU Wholesale	\$1,748,679	\$1,857,409	\$108,730	6.22%
Retail Industrial	\$368,636	\$428,364	\$59,728	16.20%
Western Wholesale	\$3,199,382	\$3,455,911	\$256,529	8.02%
Wholesale Industrial	\$8,209,215	\$9,161,739	\$952,524	11.60%
Chester Ridley Creek	\$4,848,660	\$5,493,250	\$644,590	13.29%
	<u>\$24,846,287</u>	<u>\$27,572,123</u>	<u>\$2,725,836</u>	<u>10.97%</u>
Other Residential	\$1,819,448	\$1,878,892	\$59,444	3.27%
Remote Locations	\$400,000	\$450,000	\$50,000	12.50%
	<u>\$59,818,097</u>	<u>\$65,263,127</u>	<u>\$5,445,031</u>	<u>9.10%</u>
<b>Total Service Charges</b>	<u>\$59,818,097</u>	<u>\$65,263,127</u>	<u>\$5,445,031</u>	<u>9.10%</u>
<b>Other Revenues:</b>				
Interest Income Investments	\$1,250,000	\$1,300,000	\$50,000	4.00%
Residual Waste	\$4,750,000	\$5,000,000	\$250,000	5.26%
Covanta Effluent Usage	\$85,000	\$90,000	\$5,000	5.88%
Load Surcharge	\$325,000	\$325,000	\$0	0.00%
Other Income	\$300,000	\$300,000	\$0	0.00%
	<u>\$6,710,000</u>	<u>\$7,015,000</u>	<u>\$305,000</u>	<u>4.55%</u>
<b>Total Revenues</b>	<u>\$66,528,097</u>	<u>\$72,278,127</u>	<u>\$5,750,031</u>	<u>8.64%</u>
<b>Expense:</b>				
Philadelphia Plant Treatment Costs	\$11,187,262	\$13,002,566	\$1,815,304	16.23%
Debt Service	\$12,750,000	\$12,800,000	\$50,000	0.39%
Salaries & Wages	\$11,299,320	\$11,980,831	\$681,511	6.03%
Overtime	\$1,497,850	\$1,428,950	-\$68,900	-4.60%
Utilities	\$2,690,100	\$2,608,650	-\$81,450	-3.03%
Chemicals	\$990,000	\$1,135,000	\$145,000	14.65%
Employee Benefits	\$4,669,721	\$4,801,213	\$131,492	2.82%
Pension	\$1,640,000	\$1,725,000	\$85,000	5.18%
Repairs & Maintenance	\$2,848,450	\$3,493,912	\$645,462	22.66%
Insurance	\$968,122	\$956,196	-\$11,926	-1.23%
Minor Equipment & Supplies	\$351,513	\$465,901	\$114,388	32.54%
Information Technology	\$773,000	\$1,160,000	\$387,000	50.06%
Solicitor	\$500,000	\$750,000	\$250,000	50.00%
Consulting	\$230,000	\$350,000	\$120,000	52.17%
Solids Disposal/Grit Screening	\$1,252,500	\$1,252,500	\$0	0.00%
Engineering	\$395,000	\$325,000	-\$70,000	-17.72%
Other Contracted Services	\$869,950	\$1,172,500	\$302,550	34.78%
Office & Advertising	\$226,850	\$245,400	\$18,550	8.18%
Dues and Conferences	\$104,250	\$94,000	-\$10,250	-9.83%
Edgmont Treatment	\$140,000	\$150,000	\$10,000	7.14%
Education and Training	\$155,900	\$131,000	-\$24,900	-15.97%
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	\$3,288,309	\$4,549,508	\$1,261,199	38.35%
<b>Total Expenses</b>	<u>\$66,528,097</u>	<u>\$72,278,127</u>	<u>\$5,750,030</u>	<u>8.64%</u>

NC = Not Calculable

**DELAWARE COUNTY REGIONAL  
WATER QUALITY CONTROL AUTHORITY**

**2020 BUDGET SUMMARY**

**EXPENSE BY DEPARTMENT**

	<u>2019</u>	<u>2020</u>	<u>\$ Change</u>	<u>% Change</u>
Expense:				
Administration, IT, Engineering Total	\$6,990,030	\$7,720,296	\$730,266	10.45%
Debt Service: Total	\$12,750,000	\$12,800,000	\$50,000	0.39%
Operations and Maintenance:				
Eastern Delaware County:				
Pump Stations	\$1,308,236	\$1,340,667	\$32,431	2.48%
Philadelphia Treatment	\$11,187,262	\$13,002,566	\$1,815,304	16.23%
Total East Expenses	<u>\$12,495,498</u>	<u>\$14,343,233</u>	<u>\$1,847,735</u>	<u>14.79%</u>
Western Delaware County:				
Western Regional Treatment Plant	\$12,935,558	\$13,956,939	\$1,021,381	7.90%
Industrial Pretreatment	\$494,338	\$505,231	\$10,893	2.20%
Central Lab	\$673,878	\$765,259	\$91,381	13.56%
Chester Pump Station	\$407,715	\$338,656	-\$69,059	-16.94%
Sewer Maintenance	\$2,491,450	\$2,566,388	\$74,938	3.01%
Chester Area Lift Stations	\$122,872	\$132,419	\$9,547	7.77%
Eddystone Pump Station	\$83,568	\$68,225	-\$15,343	-18.36%
Customer Revenue (Billing)	\$685,073	\$729,458	\$44,385	6.48%
Marcus Hook/Lower Chi	\$131,897	\$109,181	-\$22,716	-17.22%
Trainer Pump Stations	\$37,932	\$44,891	\$6,959	18.35%
Remote Locations	\$1,567,565	\$2,130,559	\$562,994	35.92%
Sludge Processing	\$2,902,250	\$3,055,000	\$152,750	5.26%
Southern Pump Stations	\$38,386	\$93,584	\$55,198	143.80%
Chester Ridley Creek	\$397,489	\$327,308	-\$70,181	-17.66%
Edgmont	\$334,289	\$341,992	\$7,703	2.30%
Contingency	\$700,000	\$700,000	\$0	0.00%
Total West Expenses	<u>\$24,004,260</u>	<u>\$25,865,090</u>	<u>\$1,860,830</u>	<u>7.75%</u>
Total Expenses	<u>\$56,239,788</u>	<u>\$60,728,619</u>	<u>\$4,488,831</u>	<u>7.98%</u>
Expenses Without Debt Service	<u>\$43,489,788</u>	<u>\$47,928,619</u>	<u>\$4,438,831</u>	<u>10.21%</u>

**DELAWARE COUNTY REGIONAL  
WATER QUALITY CONTROL AUTHORITY**

**2020**

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ESTIMATE OF SERVICE CHARGES

FOR

CENTRAL DELAWARE COUNTY AUTHORITY

DARBY CREEK JOINT AUTHORITY

MUCKINIPATES AUTHORITY

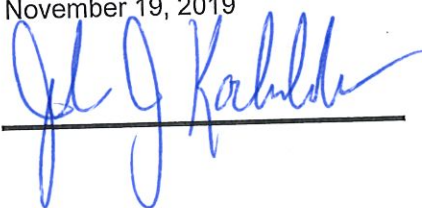
In Accordance With Section 3.06 of the  
Service agreements Dated December 1, 1973  
( plus subsequent amendments)

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Adopted by Board: November 19, 2019

Approved by  
Consulting Engineer:



**2020  
ESTIMATE  
SERVICE CHARGE**

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To: Central Delaware County Authority

Statement of Estimates of Service Charge for  
Calendar Year 2020 per Section 3.06 of  
Service Agreement Dated December 1, 1973  
(plus subsequent amendments)

	<u>2019</u>	<u>2020</u>
1. Estimated Operating and Capital costs of DELCORA for Eastern Delaware County System	\$32,752,363	\$35,362,113
2. Estimated Amount to be Paid to DELCORA During Year	\$9,619,575	\$10,386,075
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	\$9,619,575	\$10,386,075
5. Amount Due as Result of any Prior Year's Bill not Paid Plus Interest	\$0	\$0
Total Due for Year	<u><u>\$9,619,575</u></u>	<u><u>\$10,386,075</u></u>

Payment of Above Due as Follows:

March 31, 2020	\$2,596,519
June 30, 2020	\$2,596,519
September 30, 2020	\$2,596,519
December 31, 2020	<u>\$2,596,519</u>
Total	<u><u>\$10,386,075</u></u>



**2020  
ESTIMATE  
SERVICE CHARGE**

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To: Darby Creek Joint Authority

Statement of Estimates of Service Charge for  
Calendar Year 2020 per Section 3.06 of  
Service Agreement Dated December 1, 1973  
(plus subsequent amendments)

	2019	2020
1. Estimated Operating and Capital costs of DELCORA for Eastern Delaware County System	\$32,752,363	\$35,362,113
2. Estimated Amount to be Paid to DELCORA During Year	\$18,781,075	\$20,277,575
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	\$18,781,075	\$20,277,575
5. Amount Due as Result of any Prior Year's Bill not Paid Plus Interest	\$0	\$0
Total Due for Year	\$18,781,075	\$20,277,575

Payment of Above Due as Follows:

March 31, 2020	\$5,069,394
June 30, 2020	\$5,069,394
September 30, 2020	\$5,069,394
December 31, 2020	\$5,069,394
Total	\$20,277,575

**2020  
ESTIMATE  
SERVICE CHARGE**

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To: Muckinipates Authority

Statement of Estimates of Service Charge for  
Calendar Year 2020 per Section 3.06 of  
Service Agreement Dated December 1, 1973  
(plus subsequent amendments)

	2019	2020
1. Estimated Operating and Capital costs of DELCORA for Eastern Delaware County System	\$32,752,363	\$35,362,113
2. Estimated Amount to be Paid to DELCORA During Year	\$4,351,713	\$4,698,463
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	\$4,351,713	\$4,698,463
5. Amount Due as Result of any Prior Year's Bill not Paid Plus Interest	\$0	\$0
Total Due for Year	\$4,351,713	\$4,698,463

Payment of Above Due as Follows:

March 31, 2020	\$1,174,616
June 30, 2020	\$1,174,616
September 30, 2020	\$1,174,616
December 31, 2020	\$1,174,616
Total	\$4,698,463