

DELAWARE COUNTY REGIONAL
WATER QUALITY CONTROL AUTHORITY
DELAWARE COUNTY, PENNSYLVANIA
2021 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, 2021
and
Statements of Service Charges to be Imposed
on Users for Said Year

=====

Prepared by:
Robert J. Willert, Executive Director

John Pileggi, Controller

Proposed Adoption by Board: 11/17/2020

Approved by
Consulting Engineer:


Roger W. Lehman (Dec 16, 2020 11:00 EST)

**DELAWARE COUNTY REGIONAL
WATER QUALITY CONTROL AUTHORITY
2021 BUDGET**

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DELAWARE COUNTY REGIONAL
WATER QUALITY CONTROL AUTHORITY
2021 BUDGET

RATES AND CHARGES- WESTERN

	PROJECTED FLOW IN 1000 GALLONS		RATE		% Change		1,000 Gallons/ or Change Per Minimum		% Change		Total Revenue		% Change		\$ Change		
	2020	2021	2020	2021	2020	2021	2020	2021	2020	2021	2020	2021	2020	2021	2020	2021	
Retail:																	
Chester City	659,109	799,391	\$5.75	\$6.32	-7.07%	9.81%	\$5.75	\$6.32	9.81%	\$4,939,877	\$5,045,631	2.14%	\$105,654				
Parkside	41,875	41,744	\$5.75	\$6.32	-0.31%	9.81%	\$5.75	\$6.32	9.81%	\$240,781	\$263,822	9.57%	\$23,041				
Upland	133,361	133,756	\$5.75	\$6.32	0.30%	9.81%	\$5.75	\$6.32	9.81%	\$766,826	\$845,338	10.24%	\$78,512				
Chester Twp.	37,743	36,875	\$5.75	\$6.32	-2.30%	9.81%	\$5.75	\$6.32	9.81%	\$217,022	\$233,050	7.39%	\$16,028				
Trainer	39,551	40,128	\$5.75	\$6.32	1.43%	9.81%	\$5.75	\$6.32	9.81%	\$227,476	\$253,609	11.49%	\$26,133				
Marcus Hook	41,751	43,015	\$8.78	\$9.65	3.01%	9.81%	\$8.78	\$9.65	9.81%	\$366,662	\$415,104	13.21%	\$48,443				
Minimums # of accounts	3,869	3,722	\$107.73	\$126.40	-3.80%	17.33%	\$107.73	\$126.40	17.33%	\$416,807	\$470,461	12.87%	\$53,653				
TOTAL	1,157,279	1,097,832	\$5.15%	\$5.15%	-5.15%	9.81%	\$7,175,451	\$7,527,215	4.90%	\$351,765							
Retail Industrial:																	
Exelon	1,643	1,533	\$6.93	\$7.62	-6.70%	9.86%	\$6.93	\$7.62	9.86%	\$11,386	\$11,681	2.60%	\$295				
Ace Linen	20,000	8,000	\$6.93	\$7.62	-60.00%	9.86%	\$6.93	\$7.62	9.86%	\$138,600	\$60,960	-56.02%	-\$77,640				
PQ	20,000	21,377	\$6.93	\$7.62	6.89%	9.86%	\$6.93	\$7.62	9.86%	\$138,600	\$162,683	17.53%	\$24,283				
Delco Linens	7,270	4,000	\$6.93	\$7.62	-44.96%	9.86%	\$6.93	\$7.62	9.86%	\$50,361	\$30,480	-39.50%	-\$19,901				
Covanta	2,000	2,000	\$6.93	\$7.62	0.00%	9.86%	\$6.93	\$7.62	9.86%	\$13,860	\$15,240	9.96%	\$1,380				
Congoleum	4,900	3,500	\$6.93	\$7.62	-28.57%	9.86%	\$6.93	\$7.62	9.86%	\$33,957	\$26,870	-21.46%	-\$7,287				
Monroe - Sanitary	6,000	6,000	\$6.93	\$7.62	0.00%	9.86%	\$6.93	\$7.62	9.86%	\$41,580	\$45,720	9.96%	\$4,140				
TOTAL	61,813	46,410	-24.92%	-24.92%	-24.92%	9.86%	\$428,364	\$353,644	-17.44%	-\$74,720							
Wholesale																	
EDU:																	
Brookhaven	270,981	279,767	\$2.89	\$3.17	3.24%	9.69%	\$2.89	\$3.17	9.69%	\$783,135	\$896,861	13.25%	\$103,726				
Nether Providence	371,721	367,037	\$2.69	\$3.17	-1.26%	9.69%	\$2.69	\$3.17	9.69%	\$1,074,274	\$1,163,507	8.31%	\$89,234				
TOTAL	642,702	646,804	0.64%	0.64%	0.64%	9.69%	\$1,857,409	\$2,050,369	10.39%	\$192,960							
WESTERN:																	
Southern	803,000	803,000	\$2.87	\$3.15	0.00%	9.76%	\$2.87	\$3.15	9.76%	\$2,304,610	\$2,529,450	9.75%	\$224,840				
Soccer Stadium	4,650	4,650	\$2.87	\$3.15	0.00%	9.76%	\$2.87	\$3.15	9.76%	\$13,346	\$14,648	9.76%	\$1,302				
Edgystone	146,000	146,000	\$2.87	\$3.15	0.00%	9.76%	\$2.87	\$3.15	9.76%	\$419,020	\$459,900	9.75%	\$40,880				
Boeing	47,000	47,000	\$2.87	\$3.15	0.00%	9.76%	\$2.87	\$3.15	9.76%	\$134,890	\$148,050	9.76%	\$13,160				
Hannah's Racino	21,000	21,000	\$2.87	\$3.15	0.00%	9.76%	\$2.87	\$3.15	9.76%	\$60,270	\$66,150	9.76%	\$5,880				
Lower Chichester	182,500	182,500	\$2.87	\$3.15	0.00%	9.76%	\$2.87	\$3.15	9.76%	\$523,775	\$574,875	9.76%	\$51,100				
TOTAL	1,204,150	1,204,150	0.00%	0.00%	0.00%	9.76%	\$3,455,911	\$3,793,073	9.76%	\$337,162							
Wholesale Industrial:																	
Kimberly Clark	1,368,750	1,368,750	\$3.18	\$3.49	0.00%	9.75%	\$3.18	\$3.49	9.75%	\$4,352,625	\$4,776,838	9.75%	\$424,313				
Sunoco	1,188,250	1,162,890	\$3.18	\$3.49	-2.13%	9.75%	\$3.18	\$3.49	9.75%	\$3,778,635	\$4,058,486	7.41%	\$279,851				
Braskem	84,000	78,000	\$3.18	\$3.49	-7.14%	9.75%	\$3.18	\$3.49	9.75%	\$267,120	\$272,220	1.91%	\$5,100				
Dynegy (Liberty Electric)	93,000	104,000	\$3.18	\$3.49	11.83%	9.75%	\$3.18	\$3.49	9.75%	\$295,740	\$362,960	22.73%	\$67,220				
Microe-Process	62,050	58,400	\$3.18	\$3.49	-5.88%	9.75%	\$3.18	\$3.49	9.75%	\$197,319	\$203,816	3.29%	\$6,497				
Marcus Hook Energy (FPL)	85,000	85,000	\$3.18	\$3.49	0.00%	9.75%	\$3.18	\$3.49	9.75%	\$270,300	\$296,650	9.75%	\$26,350				
TOTAL	2,861,050	2,857,040	-0.69%	0.69%	-0.69%	9.75%	\$9,161,739	\$9,971,070	8.83%	\$809,331							
Chester Ridley Creek	967,250	967,250	\$3.50	\$3.85	0.00%	10.00%	\$3.50	\$3.85	10.00%	\$3,385,375	\$3,723,913	10.00%	\$338,538				
Southwest Authority	602,250	602,250	\$3.50	\$3.85	0.00%	10.00%	\$3.50	\$3.85	10.00%	\$2,107,875	\$2,318,663	10.00%	\$210,788				
Middletown	1,969,500	1,969,500	\$3.50	\$3.85	0.00%	10.00%	\$3.50	\$3.85	10.00%	\$6,942,575	\$7,649,925	10.00%	\$707,350				
TOTAL	7,516,994	7,447,994	-1.28%	1.28%	-1.28%	10.00%	\$27,852,123	\$29,737,845	7.86%	\$2,185,822							

(1) Plus excess BOD/TSS surcharge at \$.32/LB and \$.285/LB respectively. Delcora has a surcharge for BOD and TSS over 300 MGL. 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
2021 BUDGET

RATES AND CHARGES- Eastern

	PROJECTED FLOW IN 1,000 GALLONS		% Change	RATE Per 000 Gallons		% Change	Total Revenue		% Change	\$ Change
	2020 Budget	2021 Budget		2020 Budget	2021 Budget		2020 Budget	2021 Budget		
Eastern Authority	3,832,500	3,832,500	0.00%	\$2.71	\$2.98	9.96%	\$10,386,075	\$11,420,850	9.96%	\$1,034,775
Central Delaware County Authority	7,482,500	7,482,500	0.00%	\$2.71	\$2.98	9.96%	\$20,277,575	\$22,297,850	9.96%	\$2,020,275
Darby Creek Joint Authority	1,733,750	1,733,750	0.00%	\$2.71	\$2.98	9.96%	\$4,698,463	\$5,166,575	9.96%	\$468,113
Muckinipates Authority										
TOTAL	13,048,750	13,048,750	0.00%				\$35,362,113	\$38,885,275	9.96%	\$3,523,163

RATES AND CHARGES- Other Residential

	Number of EDUs/ 000 Gallons		% Change	RATE Per EDU/ 000 Gallons		% Change	Total Revenue		% Change	\$ Change
	2020 Budget	2021 Budget		2020 Budget	2021 Budget		2020 Budget	2021 Budget		
Rose Valley Pump Station	373	373	0.00%	\$972.00	\$1,065.00	9.57%	\$362,556	\$397,245	9.57%	\$34,689
Rose Valley Residents	127	127	0.00%	\$972.00	\$1,065.00	9.57%	\$123,444	\$135,255	9.57%	\$11,811
Nether Providence Residents	500	500	0.00%				\$486,000	\$532,500	9.57%	\$46,500
Total Rose Valley Pump Station										
Springhill Farms Wastewater Authority										
Residential Based on EDU		282		\$254.97				\$71,902		\$71,902
Residential Based on Flow		9,160		\$11.36				\$104,058		\$104,058
Commercial Based on EDU		112		\$599.37				\$67,129		\$67,129
Commercial Based on Flow		8,552		\$11.36				\$97,151		\$97,151
TOTAL							\$0	\$340,239		\$340,239
Pocahontan										
Riverside	160	160	0.00%	\$950.00	\$1,045.00	10.00%	\$152,000	\$167,200	10.00%	\$15,200
Preserve	66	66	0.00%	\$1,400.00	\$1,540.00	10.00%	\$92,400	\$101,640	10.00%	\$9,240
	226	226	0.00%				\$244,400	\$268,840	10.00%	\$24,440
Edgmont										
Residential	679	679	0.00%	\$1,275.00	\$1,400.00	9.80%	\$865,725	\$950,600	9.80%	\$84,875
Commercial Based on EDU	152	152	0.00%	\$1,025.00	\$1,125.00	9.76%	\$155,800	\$171,000	9.76%	\$15,200
Commercial Based on Flow	12,387	12,387	0.00%	\$10.25	\$11.25	9.76%	\$126,967	\$139,354	9.76%	\$12,387
TOTAL							\$1,148,492	\$1,260,954		\$112,462
TOTAL							\$1,876,892	\$2,402,533	27.87%	\$523,641

**DELAWARE COUNTY REGIONAL
WATER QUALITY CONTROL AUTHORITY**

2021 BUDGET

REVENUE AND EXPENSE ANALYSIS

Revenues:	2020	2021	\$ Change	% Change
Service Charges:				
Eastern Delaware County				
Central Delaware County Authority	\$10,386,075	\$11,420,850	\$1,034,775	9.96%
Darby Creek Joint Authority	\$20,277,575	\$22,297,850	\$2,020,275	9.96%
Muckinipates Authority	\$4,698,463	\$5,166,575	\$468,113	9.96%
	<u>\$35,362,113</u>	<u>\$38,885,275</u>	<u>\$3,523,163</u>	<u>9.96%</u>
Western Delaware County				
Residential	\$7,175,451	\$7,527,215	\$351,765	4.90%
EDU Wholesale	\$1,857,409	\$2,050,369	\$192,960	10.39%
Retail Industrial	\$428,364	\$353,644	-\$74,720	-17.44%
Western Wholesale	\$3,455,911	\$3,793,073	\$337,162	9.76%
Wholesale Industrial	\$9,161,739	\$9,971,070	\$809,331	8.83%
Chester Ridley Creek	\$5,493,250	\$6,042,575	\$549,325	10.00%
	<u>\$27,572,123</u>	<u>\$29,737,945</u>	<u>\$2,165,822</u>	<u>7.86%</u>
Other Residential	\$1,878,892	\$2,402,533	\$523,641	27.87%
Remote Locations	\$450,000	\$500,000	\$50,000	11.11%
Total Service Charges	<u>\$65,263,127</u>	<u>\$71,525,753</u>	<u>\$6,262,626</u>	<u>9.60%</u>
Other Revenues:				
Interest Income Investments	\$1,300,000	\$150,000	-\$1,150,000	-88.46%
Residual Waste	\$5,000,000	\$5,250,000	\$250,000	5.00%
Covanta Effluent Usage	\$90,000	\$90,000	\$0	0.00%
Load Surcharge	\$325,000	\$325,000	\$0	0.00%
Other Income	\$300,000	\$300,000	\$0	0.00%
	<u>\$7,015,000</u>	<u>\$6,115,000</u>	<u>-\$900,000</u>	<u>-12.83%</u>
Total Revenues	<u>\$72,278,127</u>	<u>\$77,640,753</u>	<u>\$5,362,626</u>	<u>7.42%</u>
Expense:				
Philadelphia Plant Treatment Costs	\$13,002,566	\$13,801,708	\$799,142	6.15%
Debt Service	\$12,800,000	\$12,800,000	\$0	0.00%
Salaries & Wages	\$11,980,831	\$12,491,346	\$510,515	4.26%
Overtime	\$1,428,950	\$1,467,500	\$38,550	2.70%
Utilities	\$2,608,650	\$2,579,150	-\$29,500	-1.13%
Chemicals	\$1,135,000	\$1,271,000	\$136,000	11.98%
Employee Benefits	\$4,801,213	\$4,947,490	\$146,277	3.05%
Pension	\$1,725,000	\$1,805,000	\$80,000	4.64%
Repairs & Maintenance	\$3,493,912	\$2,902,975	-\$590,937	-16.91%
Insurance	\$956,196	\$951,775	-\$4,421	-0.46%
Minor Equipment & Supplies	\$465,901	\$232,146	-\$233,755	-50.17%
Information Technology	\$1,160,000	\$1,152,000	-\$8,000	-0.69%
Solicitor	\$750,000	\$1,500,000	\$750,000	100.00%
Consulting	\$350,000	\$500,000	\$150,000	42.86%
Solids Disposal/Grit Screening	\$1,252,500	\$1,375,000	\$122,500	9.78%
Engineering	\$325,000	\$525,000	\$200,000	61.54%
Other Contracted Services	\$1,172,500	\$971,800	-\$200,700	-17.12%
Office & Advertising	\$245,400	\$186,000	-\$59,400	-24.21%
Dues and Conferences	\$94,000	\$48,950	-\$45,050	-47.93%
Edgmont Treatment	\$150,000	\$175,000	\$25,000	16.67%
Education and Training	\$131,000	\$123,500	-\$7,500	-5.73%
Contingency	\$700,000	\$700,000	\$0	0.00%
Reserve For Doubtful Accounts	\$0	\$500,000	\$500,000	NC
Total Expenses	<u>\$60,728,619</u>	<u>\$63,007,340</u>	<u>\$2,278,721</u>	<u>3.75%</u>
Reserve For Replacing Capital Assets	<u>\$11,549,508</u>	<u>\$14,633,413</u>	<u>\$3,083,905</u>	<u>26.70%</u>

NC = Not Calculable

**DELAWARE COUNTY REGIONAL
WATER QUALITY CONTROL AUTHORITY**

2021 BUDGET

EXPENSE BY DEPARTMENT

	<u>2020</u>	<u>2021</u>	<u>\$ Change</u>	<u>% Change</u>
Expense:				
Administration, IT, Engineering				
Total	\$7,720,296	\$8,643,220	\$922,924	11.95%
Debt Service:				
Total	\$12,800,000	\$12,800,000	\$0	0.00%
Operations and Maintenance:				
Eastern Delaware County:				
Pump Stations	\$1,340,667	\$1,021,567	-\$319,100	-23.80%
Philadelphia Treatment	\$13,002,566	\$13,801,708	\$799,142	6.15%
Total East Expenses	<u>\$14,343,233</u>	<u>\$14,823,275</u>	<u>\$480,042</u>	<u>3.35%</u>
Western Delaware County:				
Western Regional Treatment Plant	\$13,956,939	\$13,880,262	-\$76,677	-0.55%
Industrial Pretreatment	\$505,231	\$477,974	-\$27,257	-5.39%
Central Lab	\$765,259	\$835,098	\$69,839	9.13%
Chester Pump Station	\$338,656	\$348,890	\$10,234	3.02%
Sewer Maintenance	\$2,566,388	\$2,654,887	\$88,499	3.45%
Chester Area Lift Stations	\$132,419	\$112,063	-\$20,356	-15.37%
Eddystone Pump Station	\$68,225	\$68,726	\$501	0.73%
Customer Revenue (Billing)	\$729,458	\$764,721	\$35,263	4.83%
Marcus Hook/Lower Chi	\$109,181	\$108,182	-\$999	-0.91%
Trainer Pump Stations	\$44,891	\$33,953	-\$10,938	-24.37%
Remote Locations	\$2,130,559	\$2,258,448	\$127,889	6.00%
Sludge Processing	\$3,055,000	\$3,207,750	\$152,750	5.00%
Southern Pump Stations	\$93,584	\$80,356	-\$13,228	-14.13%
Chester Ridley Creek	\$327,308	\$315,474	-\$11,834	-3.62%
Edgmont	\$341,992	\$394,061	\$52,069	15.23%
Reserve For Doubtful Accounts	\$0	\$500,000	\$500,000	NC
Contingency	\$700,000	\$700,000	\$0	0.00%
Total West Expenses	<u>\$25,865,090</u>	<u>\$26,740,845</u>	<u>\$875,755</u>	<u>3.39%</u>
 Total Expenses	 <u>\$60,728,619</u>	 <u>\$63,007,340</u>	 <u>\$2,278,721</u>	 <u>3.75%</u>
 Expenses Without Debt Service	 <u>\$47,928,619</u>	 <u>\$50,207,340</u>	 <u>\$2,278,721</u>	 <u>4.75%</u>

**DELAWARE COUNTY REGIONAL
WATER QUALITY CONTROL AUTHORITY**

2021

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 17, 2020

Approved by 
Consulting Engineer: Roger W. Lehman (Dec 16, 2020 11:00 EST)

**2021
ESTIMATE
SERVICE CHARGE**

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)

	2020	2021
1. Estimated Operating and Capital costs of DELCORA for Eastern Delaware County System	\$35,362,113	\$38,885,275
2. Estimated Amount to be Paid to DELCORA During Year	\$10,386,075	\$11,420,850
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	\$10,386,075	\$11,420,850
5. Amount Due as Result of any Prior Year's Bill not Paid Plus Interest	\$0	\$0
Total Due for Year	\$10,386,075	\$11,420,850

Payment of Above Due as Follows:

March 31, 2021	\$2,855,213
June 30, 2021	\$2,855,213
September 30, 2021	\$2,855,213
December 31, 2021	\$2,855,213
Total	\$11,420,850

**2021
ESTIMATE
SERVICE CHARGE**

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)

	2020	2021
1. Estimated Operating and Capital costs of DELCORA for Eastern Delaware County System	\$35,362,113	\$38,885,275
2. Estimated Amount to be Paid to DELCORA During Year	\$20,277,575	\$22,297,850
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	\$20,277,575	\$22,297,850
5. Amount Due as Result of any Prior Year's Bill not Paid Plus Interest	\$0	\$0
Total Due for Year	\$20,277,575	\$22,297,850

Payment of Above Due as Follows:

March 31, 2020	\$5,574,463
June 30, 2020	\$5,574,463
September 30, 2020	\$5,574,463
December 31, 2020	\$5,574,463
Total	\$22,297,850

**2021
ESTIMATE
SERVICE CHARGE**

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)

	2020	2021
1. Estimated Operating and Capital costs of DELCORA for Eastern Delaware County System	\$35,362,113	\$38,885,275
2. Estimated Amount to be Paid to DELCORA During Year	\$4,698,463	\$5,166,575
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	\$4,698,463	\$5,166,575
5. Amount Due as Result of any Prior Year's Bill not Paid Plus Interest	\$0	\$0
Total Due for Year	\$4,698,463	\$5,166,575

Payment of Above Due as Follows:

March 31, 2020	\$1,291,644
June 30, 2020	\$1,291,644
September 30, 2020	\$1,291,644
December 31, 2020	\$1,291,644
Total	\$5,166,575