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EXHIBIT J4

DELCORA 2020 ADOPTED ANNUAL BUDGET

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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:



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

**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/ or Charge Per Minimum			Total Revenue			% Change	\$ Change
	2019	2020	% Change	2019	2020	% Change	2019	2020			
<b>Retail:</b>											
Chester City	823,028	859,109	4.38%	\$5.32	\$5.75	8.08%	\$4,378,509	\$4,939,877	12.82%	\$561,368	
Parkside	43,296	41,875	-3.28%	\$5.32	\$5.75	8.08%	\$230,335	\$240,781	4.54%	\$10,447	
Upland	133,520	133,361	-0.12%	\$5.32	\$5.75	8.08%	\$710,326	\$768,826	7.95%	\$56,499	
Chester Twp.	35,812	37,743	5.98%	\$5.32	\$5.75	8.08%	\$189,466	\$217,022	14.55%	\$27,566	
Trainer	39,982	39,561	-1.05%	\$5.32	\$5.75	8.08%	\$212,704	\$227,476	6.94%	\$14,772	
Marcus Hook	44,779	41,761	-6.74%	\$8.13	\$8.78	8.00%	\$364,053	\$366,662	0.72%	\$2,608	
Minimums # of accounts	3,873	3,869	-0.10%	\$99.75	\$107.73	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>\$6,471,715</b>	<b>\$7,175,451</b>	<b>10.87%</b>	<b>\$703,736</b>	
<b>Retail Industrial: (1)</b>											
Exelon	1,643	1,643	0.00%	\$6.42	\$6.93	7.94%	\$10,548	\$11,386	7.94%	\$838	
Ace Linen	16,000	20,000	25.00%	\$6.42	\$6.93	7.94%	\$102,720	\$138,600	34.93%	\$35,880	
PQ	20,000	20,000	0.00%	\$6.42	\$6.93	7.94%	\$128,400	\$138,600	7.94%	\$10,200	
Delco Linens	8,350	7,270	-12.93%	\$6.42	\$6.93	7.94%	\$53,607	\$50,381	-6.02%	-\$3,226	
Covanta	1,027	2,000	94.74%	\$6.42	\$6.93	7.94%	\$6,593	\$13,860	110.21%	\$7,267	
Congoleum	4,400	4,900	11.36%	\$6.42	\$6.93	7.94%	\$28,248	\$33,957	20.21%	\$5,709	
Monroe - Sanitary	6,000	6,000	0.00%	\$6.42	\$6.93	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>	
<b>Wholesale</b>											
<b>EDU:</b>											
Brookhaven	270,146	270,981	0.31%	\$2.68	\$2.89	7.84%	\$723,991	\$783,135	8.17%	\$59,144	
Nether Providence	382,346	371,721	-2.78%	\$2.68	\$2.89	7.84%	\$1,024,687	\$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>	
<b>WESTERN:</b>											
Southern	803,000	803,000	0.00%	\$2.66	\$2.87	7.89%	\$2,135,980	\$2,304,610	7.89%	\$168,630	
Soccer Stadium	4,650	4,650	0.00%	\$2.66	\$2.87	7.89%	\$12,369	\$13,346	7.89%	\$977	
Eddystone	146,000	146,000	0.00%	\$2.66	\$2.87	7.89%	\$388,360	\$419,020	7.89%	\$30,660	
Boeing	45,625	47,000	3.01%	\$2.66	\$2.87	7.89%	\$121,363	\$134,890	11.15%	\$13,528	
Harrah's Racino	21,000	21,000	0.00%	\$2.66	\$2.87	7.89%	\$55,860	\$60,270	7.89%	\$4,410	
Lower Chester	182,500	182,500	0.00%	\$2.66	\$2.87	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>\$3,199,382</b>	<b>\$3,455,911</b>	<b>8.02%</b>	<b>\$256,529</b>	
<b>Wholesale Industrial: (1)</b>											
Kimberly Clark	1,368,750	1,368,750	0.00%	\$2.94	\$3.18	8.16%	\$4,024,125	\$4,352,625	8.16%	\$328,500	
Sunoco	1,058,500	1,188,250	12.26%	\$2.94	\$3.18	8.16%	\$3,111,990	\$3,778,935	21.42%	\$666,945	
Braskern	76,000	84,000	10.53%	\$2.94	\$3.18	8.16%	\$223,440	\$267,120	19.55%	\$43,680	
Dynegy (Liberty Electric)	121,500	93,000	-23.46%	\$2.94	\$3.18	8.16%	\$357,210	\$295,740	-17.21%	-\$61,470	
Monroe-Process	51,100	62,050	21.43%	\$2.94	\$3.18	8.16%	\$150,234	\$197,319	31.34%	\$47,085	
Marcus Hook Energy (FPL)	116,400	85,000	-26.98%	\$2.94	\$3.18	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>	
<b>Chester Ridley Creek</b>											
Southwest Authority	897,900	867,250	7.72%	\$3.24	\$3.50	8.02%	\$2,909,198	\$3,385,375	16.37%	\$476,179	
Middletown	598,600	602,250	0.61%	\$3.24	\$3.50	8.02%	\$1,939,464	\$2,107,875	8.68%	\$168,411	
<b>Total</b>	<b>1,496,500</b>	<b>1,569,500</b>	<b>4.88%</b>				<b>\$4,848,660</b>	<b>\$5,493,250</b>	<b>13.29%</b>	<b>\$644,590</b>	
<b>Total West</b>	<b>7,325,527</b>	<b>7,516,494</b>	<b>2.61%</b>				<b>\$24,648,287</b>	<b>\$27,572,123</b>	<b>10.97%</b>	<b>\$2,925,836</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		
<u>Eastern Authority</u>										
Central Delaware County 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
Darby Creek Joint 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
Muckinipates 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

**RATES AND CHARGES- Other Residential**

	Number of EDU's/ 000 Gallons		%	RATE Per		%	Total Revenue		% Change	\$ Change
	2019 Budget	2020 Budget	Change	EDU/ 000 Gallons	2019 Budget	2020 Budget	Change	2019 Budget	2020 Budget	
<u>Rose Valley Pump Station</u>										
Rose Valley Residents	373	373	0.00%	\$900.00	\$972.00	8.00%	\$335,700	\$362,556	8.00%	\$26,856
Nether Providence Residents	127	127	0.00%	\$900.00	\$972.00	8.00%	\$114,300	\$123,444	8.00%	\$9,144
Total Rose Valley Pump Station	500	500	0.00%				\$450,000	\$486,000	8.00%	\$36,000
<u>Pocopson</u>										
Riverside	160	160	0.00%	\$880.00	\$950.00	7.95%	\$140,800	\$152,000	7.95%	\$11,200
Preserve	66	66	0.00%	\$1,400.00	\$1,400.00	0.00%	\$92,400	\$92,400	0.00%	\$0
	226	226	0.00%				\$233,200	\$244,400	4.80%	\$11,200
<u>Edgmont</u>										
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
TOTAL							\$1,819,448	\$1,878,892	3.27%	\$59,444

**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%
<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><u>\$56,239,788</u></u>	<u><u>\$60,728,619</u></u>	<u><u>\$4,488,831</u></u>	<u><u>7.98%</u></u>
Expenses Without Debt Service	<u><u>\$43,489,788</u></u>	<u><u>\$47,928,619</u></u>	<u><u>\$4,438,831</u></u>	<u><u>10.21%</u></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

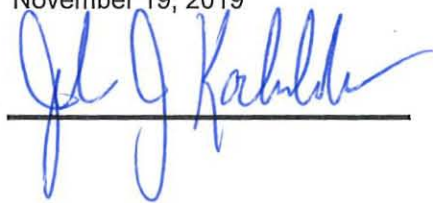
MUCKINIPATES AUTHORITY

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:



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**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)

	<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	\$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	<u>\$0</u>	<u>\$0</u>
Net Estimated Billing	<u>\$18,781,075</u>	<u>\$20,277,575</u>
5. Amount Due as Result of any Prior Year's Bill not Paid Plus Interest	\$0	\$0
Total Due for Year	<u><u>\$18,781,075</u></u>	<u><u>\$20,277,575</u></u>

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	<u>\$5,069,394</u>
Total	<u><u>\$20,277,575</u></u>

**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)

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

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	<u><u>\$4,698,463</u></u>