

**THE JOINT MEETING OF
ESSEX AND UNION COUNTIES
2024 BUDGET**

**AS PRESENTED
BY
THE JOINT MEETING
FINANCE & BUDGET COMMITTEE**

**BOARD CHAIRPERSON
HON. ANIBAL RAMOS, JR.**

**FINANCE & BUDGET COMMITTEE CHAIRPERSON
HON. BILL RUTHERFORD**

**COMMITTEE MEMBERS
HON. BERGSON LENEUS
HON. DEAN DAFIS
HON. JOSEPH M. FLORIO**

Adopted:

December 28, 2023

ITEM #1- VEHICLES

2024 BUDGET		\$90,000					
2023 BUDGET		\$ 70,000					
2023 PROJECTED EXPENDITURES		\$68,816					
<p>This item encompasses vehicles purchased, gasoline, oils and supplies/repairs performed by the auto mechanic. It is anticipated that replacement vehicles will be necessary as follows:</p>							
Replacement vehicles:							
Golf Cart			\$18,000				
Electric Vehicle Van			\$42,000				
			\$60,000				
The estimated cost for typical gasoline, oils and repairs is :							
					\$30,000		
	Vehicles	gas & oils	Rep/etc.				
Sewers	\$0	\$10,000	\$6,000	\$16,000			
Treatmt Plt	\$60,000	\$4,500	\$6,000	\$70,500			
Dewatering Fac.	\$0	\$2,000	\$1,500	\$3,500			
BUDGET	\$60,000	\$16,500	\$13,500	\$90,000			

ITEM #2- EQUIPMENT RENTAL

[illegible]

ITEM #3 INSURANCE

[illegible]

ITEM #4- WATER SERVICE

2024 BUDGET		\$253,000							
2023 BUDGET		\$253,000							
2023 PROJECTED EXPENDITURES		\$230,057							
HISTORICAL SUMMARY	COST	CU FT CONSUMED	\$RATE/ CU FT	Treatment Plt USAGE	Dewatering USAGE	Drying*	Effective Rate Change		
1997	\$105,346	5,955,413	\$0.0177	64.73%	35.27%				
1998	\$129,335	7,096,534	\$0.0182	64.84%	35.16%		3.03%		
1999	\$168,631	7,764,332	\$0.0217	66.03%	33.97%		19.17%		
2000	\$173,323	7,519,362	\$0.0231	67.19%	32.81%		6.13%		
2001	\$187,266	8,516,441	\$0.0220	75.45%	24.55%		(4.61%)		
2002	\$193,902	7,449,304	\$0.0260	71.49%	27.78%	0.73%	18.38%		
2003	\$193,961	7,094,573	\$0.0273	72.08%	27.92%		5.03%		
2004	\$182,883	6,901,143	\$0.0265	73.04%	26.96%		(3.07%)		
2005	\$197,270	7,667,609	\$0.0257	74.90%	25.10%		(2.92%)		
2006	\$204,683	7,173,277	\$0.0285	73.70%	26.30%		10.91%		
2007	\$216,304	6,902,363	\$0.0313	75.98%	24.02%		9.83%		
2008	\$205,861	6,114,583	\$0.0337	73.08%	26.92%		7.43%		
2009	\$233,081	6,170,587	\$0.0378	69.06%	30.94%		12.19%		
2010	\$263,638	6,510,611	\$0.0405	74.33%	25.67%		7.20%		
2011	\$245,614	6,129,945	\$0.0401	74.87%	25.13%		(1.05%)		
2012	\$203,011	4,731,658	\$0.0429	70.59%	29.41%		7.08%		
2013	\$112,330	2,486,642	\$0.0452	68.42%	31.58%		4.41%	Avg last 3 years	
2014	\$89,325	2,154,294	\$0.0415	72.94%	27.06%		3.48%	Avg last 3 years	
2015	\$111,140	1,957,238	\$0.0568	57.64%	42.36%		4.99%	Avg last 3 years	
2016	\$79,084	2,392,577	\$0.0331	85.72%	14.28%		4.29%	Avg last 3 years	
2017	\$136,820	1,886,160	\$0.0725	66.60%	33.40%		4.25%	Avg last 3 years	
2018	\$116,651	2,050,089	\$0.0569	58.32%	41.68%		4.51%	Avg last 3 years	
2019	\$133,802	2,691,946	\$0.0497	64.92%	35.08%		4.35%	Avg last 3 years	
2020	\$153,566	3,292,907	\$0.0466	55.57%	44.43%		4.37%	Avg last 3 years	
2021	\$155,919	2,852,015	\$0.0547	57.54%	42.46%		4.41%	Avg last 3 years	
2022	\$200,314	3,978,917	\$0.0503	51.96%	48.04%		4.38%	Avg last 3 years	
2023 EST	\$230,057	2,435,825	\$0.0944	26.28%	73.72%		4.39%	Avg last 3 years	
2024 BUDGET	Treatmt Plt	Dewatering Fac	Drying	TOTAL CU FT	RATE				
	675,740	1,760,085	0	2,435,825	\$0.0525				
	\$35,509	\$92,491	\$0	\$128,000					
		Water Facility Charge		SAY					
Treatmt Plt	\$35,509	\$25,000	\$60,509	\$130,000					
Dewatering Fac.	\$92,491	\$25,000	\$117,491	\$120,000					
Drying	\$0	\$3,500	\$3,500	\$3,000					
				\$253,000					
BUDGET	\$253,000								

ITEM #5- ELECTRIC SERVICE

2024 BUDGET		\$1,600,000								
2023 BUDGET		\$1,600,000								
2023 PROJECTED EXPENDITURES		\$760,731								
It was expected that two engines would be rebuilt in 2023 however only one was completed. In 2024 two engines are scheduled to be rebuilt accounting for the planning for additional power from PSE&G.										
Estimated savings from Cogen for 2023 MONTHLY: \$240,657 ANNUALLY: \$2,887,880										
HISTORY				AVG. SUPPLY PER MONTH			DEMAND PER MONTH			
YEAR	Utility AVG USAGE/MO	AVG EXPENSE/MO incl Trans	AVG COST/KWH	TOTAL DEMAND	UTILITY Co	Cogen	TREATMNT PLT	DWF	SDF	
1987	836,000	\$52,566	0.063	1,627,593	836,000	793,832				
1988	1,052,800	\$66,225	0.063	1,828,824	1,052,800	776,870				
1989	981,600	\$64,100	0.065	1,812,867	981,600	830,766				
1990	1,025,600	\$68,602	0.067	1,900,207	1,025,600	877,333				
1991	1,185,600	\$81,779	0.069	2,015,572	1,185,600	820,000				
1992	1,249,600	\$85,061	0.068	2,113,636	1,249,600	851,947	1,907,982	205,654		
1993	1,332,000	\$95,149	0.071	2,234,215	1,332,000	899,787	2,050,339	183,876		
1994	1,363,200	\$98,402	0.072	2,224,419	1,363,200	858,880	2,025,589	198,830		*
1995	1,228,800	\$95,449	0.078	2,135,677	1,228,800	906,933	1,953,481	182,196		**
1996	1,268,500	\$100,537	0.079	2,200,455	1,268,500	931,973	1,949,908	170,610	79,937	
1997	1,321,400	\$100,176	0.076	2,157,561	1,321,400	836,208	1,915,579	174,895	67,086	***
1998	1,527,084	\$118,269	0.077	2,153,284	1,527,084	626,200	1,945,309	193,569	14,406	
1999	1,460,299	\$112,948	0.077	2,131,241	1,460,299	670,942	1,932,958	182,376	15,907	****
2000	1,563,500	\$116,784	0.075	2,220,255	1,563,500	656,755	1,970,012	214,695	35,548	*****
2001	1,626,104	\$113,958	0.070	2,272,450	1,626,104	646,347	1,957,860	209,287	105,303	
2002	1,777,485	\$111,892	0.063	2,411,038	1,777,485	633,553	2,041,833	225,513	143,692	
2003	1,787,033	\$117,992	0.066	2,406,951	1,787,033	619,752	2,199,044	129,382	78,525	
2004	1,799,507	\$139,019	0.077	2,448,734	1,799,507	649,227	2,172,586	237,788	38,360	*****
2005	1,620,537	\$134,083	0.083	2,231,994	1,620,537	611,457	1,980,412	224,250	27,332	
2006	1,643,477	\$141,620	0.086	2,189,237	1,643,477	545,760	1,947,616	226,518	15,103	
2007	1,518,967	\$161,248	0.106	2,149,407	1,518,967	629,800	1,903,856	217,268	28,283	
2008	1,535,620	\$174,426	0.114	2,194,342	1,535,620	670,347	1,928,041	241,613	24,688	
2009	1,394,245	\$154,097	0.111	2,137,539	1,394,245	743,294	1,883,676	240,711	13,153	<<<
2010	770,366	\$90,843	0.118	2,160,227	770,366	1,389,860	1,945,189	213,318	1,720	
2011	717,614	\$79,215	0.110	2,118,215	717,614	1,400,601	1,889,251	214,913	14,051	
2012	616,000	\$62,390	0.101	2,056,597	616,000	1,440,597	1,819,340	219,600	17,657	
2013	496,400	\$51,237	0.103	2,005,464	496,400	1,509,064	1,782,213	208,072	15,179	*1
2014	546,109	\$70,016	0.128	2,016,608	546,109	1,470,499	1,823,314	177,233	16,061	
2015	454,981	\$65,080	0.143	2,010,090	454,981	1,555,109	1,784,268	215,354	10,468	*2
2016	868,327	\$70,597	0.081	2,338,356	868,327	1,470,029	2,107,011	224,643	6,703	*2
2017	797,049	\$54,767	0.069	2,402,816	797,049	1,605,767	2,217,593	177,577	7,646	*2
2018	756,800	\$58,760	0.078	2,268,446	756,800	1,511,646	2,102,869	140,362	25,215	
2019	758,400	\$63,595	0.084	2,361,420	758,400	1,603,020	2,227,809	118,543	15,069	
2020	765,900	\$74,053	0.097	2,382,596	765,900	1,616,696	2,235,067	126,912	20,617	
2021	673,400	\$76,286	0.113	2,276,629	673,400	1,603,202	2,140,616	121,666	14,347	
2022	592,832	\$90,453	0.153	2,193,197	592,832	1,600,365	2,048,288	132,381	12,528	
2023 est	768,000	\$122,880	0.160	2,272,104	768,000	1,504,104	2,127,104	125,000	20,000	
2024 Budget										
Estimated savings from Cogen for 2023 MONTHLY				\$240,657						
ANNUALLY				\$2,887,880						
				**** DIGESTER #1 RETURNED 1/5/99						
* DIGESTER #2 OUT OF SERVICE				***** DIGESTER #4 CONVERSION						
** DIGESTER #2 RETURNED 5/95				*1 DIGESTER #2 OUT OF SERVICE						***** DIGESTER #3 OUT OF SERVICE
*** DIGESTER #1 OUT OF SERVICE 10/97				*2 DIGESTER #1 OUT OF SERVICE						<<< New Cogen Sept 15, 2009

ITEM #5- ELECTRIC SERVICE

Expected electrical kw demand for 2024										
Year	Treatmnt Plt KW Avg/mon	Dewatering Fac KW Avg/mon	Drying KW Avg/mon							
1997	1,915,579	174,895	67,086							
1998	1,945,309	193,569	14,406							
1999	1,932,958	182,376	15,907							
2000	1,970,012	214,695	35,548							
2001	1,957,860	209,287	105,303							
2002	2,041,833	225,513	143,692							
2003	2,199,044	129,382	78,525							
2004	2,172,586	237,788	38,360							
2005	1,980,412	224,250	27,332							
2006	1,947,616	226,518	15,103							
2007	1,903,856	217,268	28,283							
2008	1,928,041	241,613	24,688							
2009	1,883,676	240,711	13,153							
2010	1,945,189	213,318	1,720							
2011	1,889,251	214,913	14,051							
2012	1,819,340	219,600	17,657							
2013	1,782,213	208,072	15,179							
2014	1,823,314	177,233	16,061							
2015	1,784,268	215,354	10,468							
2016	2,107,011	224,643	6,703							
2017	2,217,593	177,577	7,646							
2018	2,102,869	140,362	25,215							
2019	2,227,809	118,543	15,069							
2020	2,235,067	126,912	20,617							
2021	2,140,616	121,666	14,347							
2022	2,048,288	132,381	12,528							
2023 EST	2,127,104	126,317	10,072							
Avg 21, 22, 23	2,105,336	126,986	15,831							
Avg 21, 22	2,094,452	129,452	20,142							
Avg 22, 23	2,087,696	127,024	13,438							
Expected 2024	2,095,828	127,821	15,179							
say	2,100,000	130,000	15,000							
Total Demand per Month>				2,245,000						
FY 2024	26,940,000	KWH								
Generator production		Monthly Avg		Monthly Avg		Monthly Avg		Monthly Avg		
1999	670,942	2005	611,457	2011	1,400,601	2017	1,605,767	2023	1,519,066	
2000	656,755	2006	545,760	2012	1,440,597	2018	1,511,622			
2001	646,347	2007	629,800	2013	1,509,114	2019	1,603,054			
2002	633,553	2008	670,347	2014	1,432,084	2020	1,616,705			
2003	619,752	2009	743,294	2015	1,555,109	2021	1,603,202			
2004	649,227	2010	1,389,860	2016	1,470,029	2022	1,600,365			
		for 2024	1,500,000							
PSE&G= total demand - (Cogen production minus production loss)										
	26,940,000	18,000,000	1,000,000	>>>>>>>>	9,940,000					
9,940,000	say:	9,940,000	@ 0.1555	\$/KwH						
cost		\$1,545,670								
add area lighting & partial lab:		\$20,000								
Add PSE&G Dist Chgs:		\$0	(inc in supply rate)	93.6%	5.5%	0.9%	100.0%			
Sales Taxes										
EST	\$1,565,670		Sewers	Treatmt Plt	Dewatering Fac.	Drying				
BUDGET	\$1,600,000		\$0	\$1,200,000	\$400,000	\$0	\$0	\$1,600,000		

ITEM #6-GAS SERVICE

2024 BUDGET		\$1,315,400					
2023 BUDGET		\$1,162,200					
2023 PROJECTED EXPENDITURES		\$954,086					
This item includes gas utilized at: 1) Treatment plant laboratory 2) Gas heating in select areas 3) Supplemental fuel for Cogen 4) Fuel for boiler & hot water in DWF 5) Boiler #1 in P&O Bldg. 6) Sludge Drying Facility - Steam Boilers			As shown below, gas usage is variable and, like fuel oil, is temperature dependent. The usage of fuel oil vs. natural gas is economically driven based on rates and the availability of methane gas for power generation and heating.				
HISTORY							
YEAR	\$	Avg.RATE/CU FT	Treatmt Plt	COGEN	Dewatering Fac	Drying	TOTAL CU FT
2004	\$22,188	0.0245	3,000	0	901,200	0	904,200
2005	\$22,382	0.0236	1,200	0	948,400	0	949,600
2006	\$87,811	0.0129	1,000	5,596,700	76,700	1,127,300	6,801,700
2007	\$97,769	0.0060	1,000	8,686,400	7,698,900	0	16,386,300
2008	\$300,388	0.0157	335,500	8,160,000	10,620,800	0	19,116,300
2009	\$236,916	0.0093	0	23,578,000	1,955,700	0	25,533,700
2010	\$401,855	0.0092	0	36,740,000	7,067,000	0	43,807,000
2011	\$448,757	0.0098	0	32,339,000	13,428,600	0	45,767,600
2012	\$402,109	0.0076	0	41,726,000	11,119,500	0	52,845,500
2013	\$753,165	0.0080	0	79,300,000	14,631,000	0	93,931,000
2014	\$557,755	0.0074	0	62,550,000	12,416,000	3300	74,969,300
2015	\$576,920	0.0078	1000	62,550,000	10,968,000	0	73,519,000
2016	\$492,916	0.0055	1000	75,487,000	14,027,500	0	89,515,500
2017	\$604,201	0.0054	1000	99,016,000	12,566,700	0	111,583,700
2018	\$815,730	0.0070	0	100,329,000	15,393,000	0	115,722,000
2019	\$791,213	0.0051	21000	138,633,000	15,009,000	0	153,663,000
2020	\$798,797	0.0055	522000	127,296,000	16,193,000	0	144,011,000
2021	\$985,163	0.0068	0	129,482,000	15,332,000	0	144,814,000
2022	\$1,279,825	0.0088	0	129,199,000	15,514,000	0	144,713,000
est 2023	\$954,086	0.0080	0	106,998,000	12,484,500	0	119,482,500
Year	BTUs required	Fuel oil BTUs	Natural gas BTUs	Drier Nat Gas BTU	Cost per 1000 BTU		
2004	30,892,464,000	29,943,054,000	949,410,000	0	\$0.009020		
2005	27,004,038,000	26,006,958,000	997,080,000	0	\$0.009076		
2006	26,027,224,800	18,885,439,800	5,958,120,000	1,183,665,000	\$0.012116		
2007	27,285,841,000	19,199,844,000	8,085,997,000	0	\$0.016309		
2008	39,973,573,800	19,901,458,800	20,072,115,000	0	\$0.015594		
2009	55,648,908,600	28,837,591,200	26,811,317,400	0	\$0.010208		
2010	72,827,385,600	26,829,300,600	45,998,085,000	0	\$0.011200		
2011	57,130,757,400	9,074,777,400	48,055,980,000	0	\$0.013175		
2012	58,313,857,800	2,826,082,800	55,487,775,000	0	\$0.010692		
2013	69,907,425,800	1,328,005,800	68,579,420,000	0	\$0.009584		
2014	93,485,467,200	14,771,167,200	78,714,300,000	0	\$0.005980		
2015	86,718,123,900	8,421,723,900	78,296,400,000	0	\$0.004151		
2016	100,121,746,800	4,327,146,000	93,991,275,000	0	\$0.005299		
2017	123,293,356,800	218,988,000	117,162,885,000	0	\$0.005013		
2018	127,639,621,800	2,812,005,000	121,508,100,000	0	\$0.006819		
2019	167,455,621,800	5,571,964,800	161,346,150,000	0	\$0.005405		
2020	156,794,971,800	1,364,551,200	151,211,550,000	0	\$0.005207		
2021	158,186,221,800	5,104,553,400	152,054,700,000	0	\$0.009294		
2022	158,080,171,800	5,104,553,400	151,948,650,000	0	\$0.009300		
est 2023	131,588,146,800	5,104,553,400	125,456,625,000	0	\$0.008390		
	NG cu ft	RATE	EXTENSION	Service Chg		SAY	
P&O/Treatment Plt./Lab	0		\$0	\$132	\$132	\$0	
Cogen	136,000,000	\$0.0084	\$1,142,400	\$20,000	\$1,162,400	\$1,162,400	
Dewatering Fac.	17,000,000	\$0.0084	\$142,800	\$10,000	\$152,800	\$153,000	
Drying	0		\$0	\$0	\$0	\$0	
	153,000,000		\$1,285,200	\$30,132	\$1,315,332	\$1,315,400	

ITEM #7- FUEL OIL AND KEROSENE

2024 BUDGET		\$184,300					
2023 BUDGET		\$230,000					
2023 PROJECTED EXPENDITURES		\$150,000					
<p>Fuel oil is used at the treatment plant boilerhouse for heating the digesters and plant buildings and at the DWF boilers as a "back-up source" of fuel for the boilers which are fired using natural gas as the primary fuel source.</p> <p>The decision to use fuel oil or natural gas any at time is driven by evaluating and comparing costs for fuel oil versus natural gas. In past heating seasons, gas was the more economical at times.</p> <p>Transportation : \$0.13 <u>per gallon</u> EST per 2 year contract FY 2023 & 2024 (up from \$0.05)</p> <p>Price is allowed to fluctuate during the term of the Contract dependent upon posted price of New York Harbor Tank Car Reseller. Transportation rate remains constant during the life of the contract.</p>							
	gallons	expended	\$/gal		gallons	expended	\$/gal
1996	318,322	\$249,928	\$0.79	2011	138,675	\$303,926	\$2.19
1997	292,776	\$221,731	\$0.76	2012	19,874	\$81,584	\$4.11
1998	228,866	\$112,438	\$0.49	2013	9,339	\$36,361	\$3.89
1999	220,967	\$131,773	\$0.60	2014	103,876	\$344,058	\$3.31
2000	227,343	\$273,917	\$1.20	2015	39,632	\$77,942	\$1.97
2001	175,054	\$139,657	\$0.80	2016	30,430	\$37,617	\$1.24
2002	194,846	\$142,307	\$0.73	2017	11,540	\$13,826	\$1.20
2003	192,219	\$184,043	\$0.96	2018	19,775	\$54,627	\$2.76
2004	210,570	\$256,462	\$1.22	2019	39,184	\$113,961	\$2.91
2005	182,890	\$284,898	\$1.56	2020	9,596	\$17,698	\$1.84
2006	132,809	\$227,525	\$1.71	2021	35897	\$82,702	\$2.30
2007	135,020	\$253,873	\$1.88	2022	47922	\$190,310	\$3.97
2008	139,954	\$403,500	\$2.88	est 2023	30000	\$150,000	\$5.00
2009	202,796	\$331,166	\$1.63				
2010	188,673	\$302,475	\$1.60				
Estimated need for 2024			@	\$4.57	PER GAL		
					Fuel oil	Kerosene	BUDGET
Treatment Plant	25,000			\$114,250	\$114,250	\$1,000	\$115,250
Dewatering Fac.	15,000			\$68,550	\$68,550	\$500	\$69,050
Drying	0			\$0	\$0	\$0	\$0
	40,000	gallons		\$182,800			\$184,300
		kerosene		\$1,500			
		TOTAL		\$184,300			
		BUDGET		\$184,300			

ITEM #8 - SEWER MAINTENANCE

2024 BUDGET	\$30,000					
2023 BUDGET	\$30,000					
2023 PROJECTED EXPENDITURES	\$30,000					
<p>This item encompasses repairs to frames and covers, access plates, other repairs revealed during the annual sewer inspections, NJ "One Call" System and minor cleaning projects.</p> <p>Major repairs are charged against the Sewer Replacement Fund which is subsequently re-imbursed by respective members based upon the existing municipal ownership contracts of the Joint Meeting. In 1993 and 1994 TV inspections were performed to examine the status of the interior of the original 1902 trunk sewer in Sections I, II, IV and V. As a result of JM Staff review of the inspection, 28 segments or reaches were identified as needing repair. The repairs require either lining or excavation. Repairs have been made on 13 segments. Subsequent contracts will address the remaining segments.</p>						
			SEWERS			
Sewer Cleaning/TV inspections		\$20,000				
NJ One Call System		\$5,000				
Covers, frames, minor repairs		\$5,000				
	BUDGET	\$30,000				

ITEM #9- METER REPAIRS

[illegible]

ITEM #10- EQUIPMENT

[illegible]

ITEM #11- CHEMICALS

2024 BUDGET		\$6,174,643							
2023 BUDGET		\$7,209,643							
2023 PROJECTED EXPENDITURES		\$4,559,525							
<p>This item is comprised of: 1) Chlorine (Treatmnt Plt) 2) Polymer (Treatmnt Plt & Dewatering Fac) 3) Struvite Treatment 4) Lime (Dewatering) 5) Sodium Bisulfite 6) Herbicide (Treatmnt Plt) 7) Potassium Permanganate (Treatmnt Plt & Dewatering) 8) Insect Repellant (Treatmnt Plt & Dewatering) 9) Deodorizer (Dewatering) 10) Pest Control (Treatmnt Plt & Dewatering) 11) Boiler Water Treatment (Drying) 12) Carbon Dioxide Inerting System (Drying) 13) Digester Additive</p> <p>Process changes over the past year reduced the amount of certain chemical usage and these changes will continue in 2024. This facility is exploring other process options to manage chemical useage with the understanding that a contingency for this item is necessary because too many variables and unknowns impact our chemical useage.</p>									
BUDGET									
Sodium Hypochlorite	(Treatment Plant) chlorination of wastewater effluent prior to discharge								
	Contract EST for 2024 use \$1.98/gal								
		Gal				Gal			
Gals Hypo	2014	1,727,000	\$1,117,208	\$0.65		2005	689,423	\$503,279	0.73
	2015	1,277,563	\$855,967	\$0.67		2006	739,033	\$539,494	0.73
	2016	1,250,000	\$837,500	\$0.67		2007	797,488	\$693,815	0.87
	2017	1,345,767	\$901,664	\$0.67		2008	978,000	\$850,860	0.87
	2018	1,573,000	\$1,006,720	\$0.64		2009	810,000	\$838,350	1.035
	2019	2,117,056	\$1,693,645	\$0.80		2010	796,500	\$549,107	0.6894
	2020	2,356,433	\$2,050,097	\$0.87		2011	950,000	\$641,250	0.675
	2021	2,074,132	\$1,564,700	\$0.75		2012	1,076,811	\$624,973	0.755
	2022	1,675,208	\$1,779,913	\$1.06		2013	1,671,771	\$927,992	0.715
	est 2023	1,460,146	\$2,669,066	\$1.83					
BUDGET 2024		1,500,000	\$2,970,000	\$1.98					
	\$2,970,000								
Magnesium Hydroxide Slurry									
		50,000	\$176,000.00	\$3.52					
Budget	\$176,000								
Polymer	<p>Used at</p> <p>A) Treatment Plant in liquid form at Thickener gravity Belts</p> <p>B) Dewatering Facility in dry form and dissolved on site as part of the dewatering process in the centrifuges</p> <p>Contract to supply liquid polymer for year 2024 use \$0.18/lb.</p> <p>For 2024: 150,000 #/mo X 12 mo X \$0.18/# = \$324,000</p> <p>SAY \$324,000</p> <p>Contract for Dry polymer for 2024: use @ \$ 2.31/#</p> <p>For 2024 : 37,500#/mo X 12 mo X \$ 2.31/# = \$796,500</p> <p>SAY \$796,500</p>								
POLYMER									
Thickener	\$324,000								
DWF	\$796,500								
BUDGET 2024	\$1,120,500		2023	\$1,046,000					
Struvite Treatment									
DWF 2024	\$165,000		2023	\$140,250		Used to retard the deposition of struvite in the centrate system.			
Potassium Permanganate									
	est	cost/lb							
		\$1.75							
PERMANGANATE			lbs	EST					
Trt. Plt	\$50,000		12,500	\$21,875					
DWF	\$0								
BUDGET 2024	\$50,000		0	\$0	2017	\$31,800			

ITEM #11- CHEMICALS

Lime	Required at DWF for pH adjustment and control and stabilization. LIME USE HAS BEEN SUSPENDED AS A RESULT OF AN ALTERNATE DISPOSAL METHOD							
2024	\$0		2023	\$0				
SODIUM BISULFITE	Required by the NJPDES permit for the removal of residual chlorine in the treatment plant effluent. EST \$2.04/gal x 1205 gal/day x 365 = \$897,243							
BUDGET 2024	\$897,243		2023	\$897,243				
MISCELLANEOUS CHEMICALS								
WEED KILLER		SEWERS	Trt. Plt.	DWF	DRYER			
BUG REPELLENT			\$1,700	\$300	\$300			
DEODORANT			\$500	\$300	\$100			
PEST CONTROL				\$800				
SODA ASH (Cogen)			\$3,500	\$1,500	\$1,000			
Carbon (SAG Media)			\$50,000					
Iron Sponge Media Cogen			\$0				replaced by SAG Media	
OTHER CHEMICALS		\$9,000	\$25,000					
MISC CHEM		\$9,000	\$3,000	\$1,000	\$400			
BUDGET 2024	\$98,400	\$9,000	\$83,700	\$3,900	\$1,800			
Boiler Water Treatment	\$5,000		2023 Budget	\$5,000				
BUDGET 2024								
Carbon Dioxide System	\$0		2023 Budget	\$0				
BUDGET 2024								
Digester Treatment								
BUDGET 2024	\$652,500		2023 Budget	\$652,500				
Water Filter Chemicals	\$35,000		2023 Budget	\$35,000				
BUDGET 2024								
BUDGET 2024 Summary	SEWERS	TREATMENT PLANT	Dewatering Fac	Drying	TOTAL			
SODIUM HYPOCHLORITE		\$2,970,000			\$2,970,000			
Magnesium Hydroxide Slurry		\$176,000			\$176,000			
POLYMER		\$324,000	\$796,500		\$1,120,500			
STRUVITE TRTMNT		0	\$165,000		\$165,000			
PERMANGANATE		\$50,000	\$0		\$50,000			
LIME		0	\$0		\$0			
SODIUM BISULFITE		\$897,243			\$897,243			
MISC. CHEM.	\$9,000	\$83,700	\$3,900	\$1,800	\$98,400			
BOILER TRT		5000		\$5,000	\$10,000			
CO2 SYSTEM				\$0	\$0			
Digester Treatment		\$652,500			\$652,500			
Water Filter Chemical		\$35,000			\$35,000			
TOTAL	\$9,000	\$5,193,443	\$965,400	\$6,800	\$6,174,643	\$6,174,643		
					\$6,174,643			

ITEM #12- SLUDGE DISPOSAL

2024 BUDGET		\$3,468,528				
2023 BUDGET		\$3,468,528				
2023 PROJECTED EXPENDITURES		\$3,128,964				
			Avg tons/month	\$/ton		
1994 expended		\$4,005,879	2978	114.66		
1995 expended		\$3,730,393	2711	114.66		
1996 expended		\$2,129,547	2255	78.66		
1997 expended		\$2,174,815	2256	78.66		
1998 expended		\$1,906,592	2725	78.66		
1999 expended		\$1,838,061	2612	59.50		
2000 expended		\$1,730,872	2466	58.50		
2001 expended		\$1,274,610	1725	\$61.58		
2002 expended		\$1,363,402	1848	\$61.48	* hybrid DWF & SDF	
2003 expended		\$1,837,994	2474	\$61.91	* hybrid DWF & SDF	
2004 expended		\$2,026,738	2679	\$63.04	** Current rate expired Apr 05	
2005 expended		\$1,774,003	2266	\$65.24	hybrid price	
2006 expended		\$2,007,133	2535	\$65.98		
2007 expended		\$2,092,877	2457	\$70.98		
2008 expended		\$2,206,265	2581	\$71.23		
2009 expended		\$2,216,851	2556	\$72.28		
2010 expended		\$2,278,135	2589	\$73.32	blended price	
2011 expended		\$2,471,523	2533	\$81.31	blended price	
2012 expended		\$2,186,478	2425	\$75.14	blended price	
2013 expended		\$1,989,974	2425	\$74.60		
2014 expended		\$1,799,956	2199	\$74.60		
2015 expended		\$2,300,945	2225	\$86.17		
2016 expended		\$2,561,123	2460	\$86.76		
2017 expended		\$2,561,123	2465	\$86.58		
2018 expended		\$2,778,116	2149	\$107.74		
2019 expended		\$3,000,000	1806	\$138.43		
2020 expended		\$3,168,531	1920	\$137.53		
2021 expended		\$2,752,014	1920	\$119.45		
2022 expended		\$3,011,977	1920	\$130.73		
2023 est		\$3,128,964	1920	\$135.81		
		PER MONTH				
		\$289,044	2100	\$137.64		
2024	\$3,468,528					
DWF						
	Dewatering Fac.					
BUDGET	\$3,468,528					

ITEM #13-SALARIES & WAGES

2024 BUDGET		\$5,725,076			
2023 BUDGET		\$5,596,387			
2023 PROJECTED EXPENDITURES		\$4,983,076			
Covers non-union employees who do not qualify for overtime					
<div> Salary & Wages: The Increase projected for Salary & Wages is to benefit hiring vacancies. The appropriation increase is \$128,689 over last years appropriation. </div>					
			2023	2024	
Plant/Dewatering				Adjusted Census	
33 employees			\$3,991,467	\$3,643,561	
Pretreatment/ Sewers				\$241,425	
8 employees			\$1,044,086	\$1,072,799	
7 Vacancies			\$560,833	\$767,290	
Total 48			\$5,596,386	\$5,725,076	
(includes 4 summer interns)					
Sewer and pretreatment costs split					
Estimated annual cost is _____					
For 2024					
10% Supv	Sewers		\$234,964	\$241,425	
	Pretreatment		\$809,123	\$831,374	
	Total		\$1,044,087	\$1,072,799	
Summary					
Plant/Dewatering			4,552,300	\$4,410,851	
Sewers			234,964	\$241,425	
Pretreat.			809,123	\$1,072,799	
Total			\$5,596,387	\$5,725,076	
BUDGET					
Sewers			391,747	400,755	%
Dewatering					7%
50% of Plant/Dewat.			2,070,663	2,118,278	37%
Plant			3,133,977	3,206,043	56%
100% of pretreat. Plus					
50% of Plant/Dewat.					
Total			\$5,596,387	\$5,725,076	
		2024 BUDGET	\$5,596,387	\$5,725,076	

ITEM #14- TECH-PROFESSIONAL SVC

2024 BUDGET		\$1,136,000				
2023 BUDGET		\$1,136,000				
2023 PROJECTED EXPENDITURES		\$1,040,284				
In 2024 these services will be required, however, JM's participation in the studies (nutrient, metals and PCB/Dioxin trackdown) with the NJ Harbor Dischargers Group must be provided for, along with the following anticipated projects:						
Historically	Budgeted	Expended		Budgeted	Expended	
1999	\$650,000	\$494,115	2018	\$1,353,300	\$1,430,081	
2000	\$630,000	\$312,473	2019	\$1,487,500	\$2,056,357	
2001	\$569,500	\$294,459	2020	\$1,076,500	\$1,434,967	
2003	\$501,500	\$521,489	2021	\$1,111,000	\$1,165,213	
2004	\$501,500	\$522,929	2022	\$1,161,000	\$1,318,108	
2005	\$501,500	\$289,741	2023 est	\$1,136,000	\$1,040,284	
2006	\$520,000	\$280,682				
2007	\$520,000	\$227,230				
2008	\$520,000	\$486,798				
2009	\$520,000	\$291,686				
2010	\$522,500	\$334,314				
2011	\$342,500	\$643,972				
2012	\$677,500	\$656,747				
2013	\$677,500	\$1,269,382				
2014	\$737,500	\$1,108,416				
2015	\$877,500	\$1,113,474				
2016	\$877,500	\$1,534,908				
2017	\$953,000	\$2,131,072				
\$655,000	General Consulting Services (Specifications, Operations, Financial, NJPDES renewal)					
\$150,000	NJPDES Permit issues CSOs					
\$15,000	NJHDG - PCB, Toxics track downs, SWEM, metals					
\$22,000	Auditing Services					
\$25,000	Sewers					
\$25,000	Electrical Consulting					
\$10,000	Medical Exams					
\$34,000	Bioassays					
\$40,000	Lab Testing					
\$10,000	Public Relations & Education					
\$20,000	Technical support Instrumentation/controls					
\$10,000	Technical support Air Emissions					
\$50,000	Local Limits Study & Evaluation (JMEUC Permit Requirement)					
\$50,000	Grant consultants					
\$1,136,000	TOTAL					
			Sewers	Treatmt Plt	Dewatering Fac	Drying
for 2024 Budget use		\$1,136,000	\$25,000	\$1,061,000	\$50,000	\$0

ITEM #15-LABOR

2024 BUDGET		\$7,345,117			
2023 BUDGET		\$6,742,851			
2023 PROJECTED EXPENDITURES		\$6,980,505			
Labor: The increase for union employees considers a COLA increase for 2023 and 2024.					
			2022	2023	2024
<u>Dewatering</u>					
14 employees			\$999,852	\$999,852	\$1,047,345
<u>Pretreatment</u>					
4 employees			\$343,980	\$343,980	\$360,319
<u>Breakdown of sewer hours</u>					
150 hours divided by 4160 hrs. (2 staff)			2022	2023	2024
		Sewer 5%	\$17,199	\$17,199	\$18,016
		Pretreatment 95%	\$326,781	\$326,781	\$342,303
		Total	\$343,980	\$343,980	\$360,319
<u>Main Plant</u>					
68 employees			\$3,992,647	\$3,992,647	\$4,182,297
12 Vacancies			800,839.00	\$1,046,218	\$1,095,913
6 Operator Trainees					\$335,641
<u>Dryer</u>					
2 employees			\$129,540	\$129,540	\$135,693
<u>Summary</u>					
Dewat			\$999,852	\$999,852	\$1,047,345
Sewers			\$343,980	\$343,980	\$360,319
Plant			\$4,793,486	\$4,793,486	\$5,613,852
Dryer			\$135,073	\$135,073	\$135,693
Total			\$6,272,391	\$6,272,391	\$7,157,210
On Call Pay		For mechanics, electricians & site services workers. To cover Saturdays, Sundays & holidays; contractual.			
Union contract equalized on call pay for electricians and site services workers so it is comparable to that of mechanics.				2024	\$94,116
BUDGET					
Overtime	Estimate at 6%			2024	2024 OT
Dewatering Fac				\$1,047,345	\$62,841
Sewers				\$360,319	\$21,619
Treatmt Plt				\$5,613,852	\$336,831
Dryer				\$135,693	\$8,142
				\$7,157,210	\$429,433
Summary	2024				
	Treatment Plant	Dewaterig Fac	Sewers	Drying	Total
Reg	5,278,211	1,047,345	360,319	135,693	6,821,569
O.T.	336,831	62,841	\$21,619	8,142	429,433
On Call	94,116	0	0	0	94,116
Total	5,709,158	1,110,186	381,938	143,835	7,345,117
Budget	5,709,158	1,110,186	381,938	143,835	7,345,117
Total for 2024		\$7,345,117			

ITEM #16- PRINTING & STATIONERY

2024 BUDGET		\$20,000					
2023 BUDGET		\$20,000					
2023 PROJECTED EXPENDITURES		\$18,996					
<p>This item consists of printing of monthly minutes, binding of annual minutes (including preparation of index), stationery, operation/personnel/maintenance/lab forms, copying blueprints, etc. Requests for quotes for printing and binding minutes were sent out.</p>							
Historical	2000	\$27,782					
	2001	\$14,708					
	2002	\$13,897					
	2003	\$19,272					
	2004	\$11,805					
	2005	\$14,712					
	2006	\$21,962					
	2007	\$15,753					
	2008	\$28,074					
	2009	\$13,213					
	2010	\$39,034					
	2011	\$18,935					
	2012	\$34,698					
	2013	\$20,005					
	2014	\$3,716					
	2015	\$6,199					
	2016	\$4,330					
	2017	\$2,145					
	2018	\$5,633					
	2019	\$2,306					
	2020	\$18,918					
	2021	\$19,682					
	2022	\$19,196					
		Sewers	Treatment Plt	Dewatering Fac	Drying		
BUDGET		\$1,000	\$17,000	\$2,000	\$0	\$20,000	

ITEM #17- MISC. EXPENSES

2024 BUDGET		\$550,000					
2023 BUDGET		\$550,000					
2023 PROJECTED EXPENDITURES		\$479,542					
This item includes: Office/clerical supplies telephone (Sewer Meters, Trt. Plt, DWF, SDF) data processing/computer expenses postage Classified Ads freight Dues (WEF, AEA, NACWA), seminars Wastewater operators licenses Tuition re-embursement for wastewater collection & treatment related courses Maintenance personnel training Clerical personnel training Subscriptions, reference material Admin. Overhead expenses for sewers (Auditor Entry) Temp. Employees Elizabeth Taxes (Estimated)							
HISTORY		Budget	Expended				
	2002	\$362,331	\$347,500				
	2003	\$416,266	\$345,500				
	2004	\$278,366	\$365,000				
	2005	\$330,545	\$391,000				
	2006	\$375,000	\$320,000				
	2007	\$354,826	\$375,000				
	2008	\$507,697	\$375,000				
	2009	\$316,343	\$375,000				
	2010	\$311,786	\$385,000				
	2011	\$373,674	\$385,000				
	2012	\$386,768	\$385,000				
	2013	\$441,691	\$385,000				
	2014	\$564,275	\$385,000				
	2015	\$548,518	\$583,227				
	2016	\$445,142	\$583,227				
	2017	\$583,227	\$479,818				
	2018	\$583,227	\$1,077,905		(Includes property purchase)		
	2019	\$583,227	\$666,409				
	2020	\$657,500	\$393,040				
	2021	\$550,000	\$472,327				
	2022	\$550,000	\$610,163				
BUDGET	Includes anticipated auditor charge off of Sewer Admin Overhead expenses						99,000
			Sewers	Treatmt Plt	Dewatering Fac	Drying	
BUDGET			\$60,000	\$390,000	\$100,000	\$0	\$550,000

ITEM #18- GENERAL MAINTENANCE

2024 BUDGET		\$2,935,100				
2023 BUDGET		\$2,538,000				
2023 PROJECTED EXPENDITURES		\$2,778,733				
This item includes items necessary for the general maintenance of the entire facility (Treatment Plant, DWF, SDF) such as repair parts, hardware, supplies (janitorial, lab, electrical, boiler service, powerhouse service, etc. The expense history reflects as an indication, the age of the facilities.						
HISTORICAL						
	Budgeted	Expended		Budgeted	Expended	
2000	\$928,000	\$969,295	2015	\$1,718,000	\$2,146,985	
2001	\$930,000	\$1,148,269	2016	\$1,918,000	\$2,725,626	
2002	\$1,097,000	\$957,918	2017	\$2,753,315	\$2,318,000	
2003	\$1,050,500	\$1,004,829	2018	\$2,759,053	\$3,248,619	
2004	\$1,000,000	\$896,915	2019	\$2,440,000	\$3,017,732	
2005	\$1,170,068	\$1,037,000	2020	\$2,440,000	\$2,850,420	
2006	\$1,071,326	\$1,136,000	2021	\$2,228,000	\$4,269,969	
2007	\$1,125,100	\$1,264,014	2022	\$2,378,000	\$5,007,281	
2008	\$1,282,241	\$1,087,100				
2009	\$1,232,600	\$1,192,044				
2010	\$1,511,850	\$1,390,600				
2011	\$1,320,000	\$1,495,645				
2012	\$1,446,500	\$1,872,156				
2013	\$2,708,336	\$1,421,500				
2014	\$2,333,100	\$1,466,500				
Projects anticipated for 2024						
Replace Boiler burners					\$52,000	
Gravity Belt Press Parts					\$55,000	
Shafts & Sprockets					\$12,000	
Centrifugal Pump Parts					\$15,000	
elevator repairs					\$675,000	
TB Power Rails					\$40,000	
Replace Grit Troughs					\$42,000	
Pump Rebuilds					\$50,000	
Conveyor repairs					\$56,100	
Skimmer Pumps parts					\$16,000	
polymer system parts					\$20,000	
Cogen Overhauls					\$500,000	
Pug Mill parts					\$40,000	
Collector Flights, chains					\$35,000	
Positive Displacement Pump Parts					\$60,000	
IDI Canon Lance Controls					\$15,000	
Prog. Cav. Pump repairs					\$25,000	
Bisulfite System repairs					\$50,000	
Compressors Rebuild					\$60,000	
Replace Traveling Bridge Skimmer Arms					\$60,000	
Cogen Engine Heads					\$92,000	
Engine PM Parts					\$90,000	
				TOTAL	\$2,060,100	
		Treatmt Plt	Dewatering Fac	Drying		
Routine Maint & Repair		\$610,000	\$260,000	\$5,000	\$875,000	
Major Projects		\$1,748,100	\$312,000	\$0	\$2,060,100	
		\$2,358,100	\$572,000	\$5,000	\$2,935,100	

ITEM #19-RESERVE CONTINGENCY

2024 BUDGET		\$250,000			
2023 BUDGET		\$250,000			
2023 PROJECTED EXPENDITURES		\$0			
<div> Reserve Contingency: All salary items, including time paid for unused sick time at retirement, has been charged to salary and wages. This contingency will be used as a reserve for any extraordinary and unplanned expenses. </div>					
1. Potential retirees for 2024					
Retirees are eligible for one-third of their unused sick time plus all of their unused vacation time. There is a cap on sick time.					
		Sick	Vacation	Total	
8 potential retirees		120,000	78,000		198,000
age & yrs of service					
			Budget		\$198,000
2. Contractual incentives for union employees					
Annual cash incentives for possession of various licenses, certifications such as S licenses, C licenses, etc.					
Estimate for year					70,000
Summary					
Treatmt Plt					268,000
Dewatering Fac					0
Sewer					0
Drying					0
Total					\$268,000
BUDGET					\$250,000

ITEM #20- BUILDING MAINTENANCE

2024 BUDGET		\$50,000				
2023 BUDGET		\$50,000				
2023 PROJECTED EXPENDITURES		\$56,938				
<p>This item cover those items associated with repairs to buildings and grounds facilities such as windows, locks, doors, roof inspections & repairs, elevators and plant roads. Also anticipated are repairs to concrete walkways and painting of gallery piping.</p>						
HISTORY						
	1996	\$58,872		2017	\$70,000	
	1997	\$80,000		2018	\$120,000	
	1998	\$121,036		2019	\$43,062	
	1999	\$39,141		2020	\$32,914	
	2000	\$28,732		2021	\$459,116	
	2001	\$29,204		2022	\$41,473	
	2002	\$61,735				
	2003	\$36,489				
	2004	\$80,651				
	2005	\$101,968				
	2006	\$133,589				
	2007	\$98,618				
	2008	\$78,711				
	2009	\$46,804				
	2010	\$93,979				
	2011	\$28,374				
	2012	\$39,902				
	2013	\$120,054				
	2014	\$80,016				
	2015	\$81,888				
	2016	\$87,208				
		Sewers	Treatmt Plt	Dewatering Fac	Drying	
BUDGET		\$0	\$35,000	\$15,000	\$0	\$50,000

ITEM #21-PENSION

2024 BUDGET		\$1,796,057				
2023 BUDGET		\$1,527,219				
2023 PROJECTED EXPENDITURES		\$1,710,531				
<p>Pension: The 2023 expenditure is the amount that Joint Meeting was invoiced for PERS for all employees. The amount for pension increases every year as the State works to fund prior year deficits. The actual amount is not known until late in the calendar year when the Joint Meeting receives its actuarial calculated pension invoice.</p>						
<p>All employees are members of the State of New Jersey Public Employees Retirement System (PERS). Beginning in 1998, the State of New Jersey PERS did not assess employers for the employer's portion of pension costs. The "Pension Assessment Holiday" ended and assessments were begun again in 2005.</p>						
Assessment History						
2005		\$41,862				
2006		\$124,767				
2007		\$214,071				
2008		\$420,830				
2009		\$567,823				
2010		\$677,635				
2011		\$863,809				
2012		\$905,000				
2013		\$868,801				
2014		\$932,981				
2015		\$1,016,335				
2016		\$1,172,934				
2017		\$1,174,116				
2018		\$1,254,881				
2019		\$1,350,830				
2020		\$1,409,984				
2021		\$1,298,228				
2022		\$1,529,947				
2023 Est		\$1,710,531				
2024		\$1,796,057				
		Treatmt Plt	Dewatering Fac	Sewer	Drying	Total
Total						
Salaries						0
		76%	20%	2%	2%	100%
2024 BUDGET		\$1,365,003	359,211	35,921	35,921	1,796,057

ITEM #22-SOCIAL SECURITY

2024 BUDGET		\$1,004,204				
2023 BUDGET		\$990,098				
2023 PROJECTED EXPENDITURES		\$866,737				
<div> Social Security: The Joint Meeting is required to contribute 7.65% on total payroll for social security and medicare. The amount budgeted is estimated to be the JM's contribution for 2024. </div>						
The rate of 7.65% appears to be unchanged for 2024						
Budget #		Sewers	Treatmt Plt	Dewatering Fac	Drying	Total
13	Salaries	234,964	3,133,977	2,070,663		5,439,604
15	Labor	381,938	5,709,158	1,110,186	143,835	7,345,117
19	Contingencies	0	250,000	0	0	250,000
27	Board	0	92,134	0	0	92,134
Total		616,902	9,185,268	3,180,849	143,835	13,126,855
	7.65%	47,193	702,673	243,335	11,003	1,004,204
	Budget					
2024 BUDGET						\$1,004,204

ITEM #23 HOSPITAL PLAN

2024 BUDGET		\$3,486,784						
2023 BUDGET		\$1,500,000						
2023 PROJECTED EXPENDITURES		\$3,143,270						
<div>Hospital Plan: The appropriation for 2023 was underbudgeted. It appears that the contribution made by employees may have been counted twice. The amount budget for 2024 reflects an accurate projection of expenditures, including a 7.4% increase the plan will realize in 2024. Additionally, RX is now charged to this line item (moved from Item # 30) as the State sends the agency one invoice which includes the cost for both medical and RX.</div>								
Hospitalization and major medical group health insurance for all employees Also covered under this category is the employee assistance program.								
Increase of Approx 7.4% for active employees for 2024								
		2018	2019	2020	2021	2022	2023	2024
<u>Retiree health insurance premiums</u>								
	Non Medicare	\$474,621	\$512,591	\$512,591	\$520,023	\$527,564	\$535,213	\$535,213
	Medicare	\$386,869	\$417,818	\$417,818	\$423,877	\$430,023	\$436,258	\$436,258
		\$861,490	\$930,409	\$930,409	\$943,900	\$957,587	\$971,472	\$971,472
<u>Hospitalization/Major medical</u>								
		2018	2019	2020	2021	2022	2023	2024
	Salaried employees	\$715,513	\$722,668	\$722,668	\$729,895	\$737,194	\$744,566	\$798,919
	30							
	Pretreatment employees	\$199,593	\$201,589	\$201,589	\$203,604	\$205,640	\$207,697	\$222,859
	7							
	Treatment Plant employees	\$1,531,512	\$1,546,827	\$1,546,827	\$1,562,296	\$1,577,919	\$1,593,698	\$1,710,038
	87							
	Dryer employees	\$67,339	\$72,726	\$72,726	\$73,781	\$74,851	\$75,936	\$81,479
	2							
	Dewatering employees	\$306,959	\$310,028	\$310,028	\$313,129	\$316,260	\$319,422	\$342,740
	11							
		\$2,820,916	\$2,853,839	\$2,853,839	\$2,895,219	\$2,937,200	\$2,979,789	\$3,197,314
	137							
		\$2,820,916	\$2,853,839	\$2,853,839	\$2,895,219	\$2,937,200	\$2,979,789	\$3,197,314
Summary of Group Health and Employee Assistance Plans								
		Sewers	Treatment Plant	Dewatering Fac	Drying	Total		
	Hosp. Plan		2,172,572	342,740		2,515,313		
	Employee Asst.Plan		0			0		
	Retiree Health		971,472			971,472		
	Total		3,144,044	342,740	0	3,486,784		
BUDGET						3,486,784		

ITEM #24-UNIFORMS-SAFETY SHOES

[illegible]

ITEM #25- SCREENINGS DISPOSAL

2024 BUDGET		\$363,400					
2023 BUDGET		\$280,000					
2023 PROJECTED EXPENDITURES		\$412,376					
Grit and screenings are presently being disposed of under contract with Spectraserv. A 3 year contract which was awarded September 2023 has a unit price of \$158/ton (yr1); \$168/ton (yr2); \$175/ton (yr3).							
HISTORICAL	BUDGET	EXPENDED	tons	\$77.78	Scum tons		
	1996	\$160,000	\$142,429	1831			
	1997	\$152,000	\$60,436	983	\$61.47		
	1998	\$130,000	\$128,558	2091	\$61.47		
	1999	\$130,000	\$147,654	2010	\$61.47	*660	\$50.60
	2000	\$130,000	\$155,908	2078	\$61.47	805	\$50.60
	2001	\$170,000	\$82,874	1348	\$61.47		
	2002	\$125,000	\$100,346	1498	\$67.00		
	2003	\$120,000	\$85,321	1202	\$71.00		
	2004	\$120,000	\$126,147	1777	\$71.00		
	2005	\$140,000	\$109,648	1544	\$71.00		
	2006	\$140,000	\$105,767	1490	\$71.00		
	2007	\$120,000	\$111,521	1520	\$71.00		
	2008	\$130,000	\$126,965	1428	\$84.00		
	2009	\$130,000	\$188,717	2300	\$88.50		
	2010	\$203,550	\$180,619	2041	\$88.50		
	2011	\$209,000	\$168,560	1905	\$88.50		
	2012	\$216,000	\$154,469	1643	\$94.02		
	2013	\$216,000	\$131,675	1401	\$94.00		
	2014	\$160,000	\$165,000	1755	\$94.00		
	2015	\$160,000	\$183,517	1598	\$114.84		
	2016	\$160,000	\$172,379	1501	\$114.84		
	2017	\$160,000	\$203,939	1776	\$114.84		
	2018	\$180,000	\$226,736	1812	\$114.84		
	2019	\$232,000	\$226,713	1974	\$114.84		
	2020	\$232,000	\$201,027	1733	\$116.00		
	2021	\$262,000	\$228,373	1623	\$140.70		
	2022	\$263,080	\$311,232	2176	\$143.00		
		\$363,400		2300		Year 1 2024	\$158.00
						Year 2 2025	\$168.00
BUDGET 2024		\$363,400				Year 3 2026	\$175.00

2024 BUDGET	\$50,000				
2023 BUDGET	\$50,000				
2023 PROJECTED EXPENDITURE	\$53,953				
Employer factor is 0.25% of 1st \$33,500 for 2024					
2024 limit is set by law at	\$33,500				
	Treatmt Plt	Dewatering Fac	Sewers	Drying	Total
# of employees	138	16	2	2	138
	\$9,617	\$1,304	\$163	\$163	\$11,247
Disability Budgeted	\$8,400	\$1,200	\$200	\$200	\$10,000
Unemployment liability	\$34,400	\$4,800	\$400	\$400	\$40,000
BUDGET	\$42,800	\$6,000	\$600	\$600	\$50,000

ITEM #27-EXECUTIVE COMMITTEE

[illegible]

ITEM #28- COUNSEL FEES

2024 BUDGET	\$300,000					
2023 BUDGET	\$300,000					
2023 PROJECTED EXPENDITURES	\$273,588					
Counsel fees included in this item: General Counsel and Labor & Conflicts . This item includes expenses for General, Litigation , Procurement Documents, Air Permits and Labor, NJPDES Permit, Admin. Law Appeal .						
			BUDGET		EXPENDED	
		1996	\$240,000		\$422,805	
		1997	\$350,000		\$1,057,460	
		1998	\$765,000		\$907,927	
		1999	\$595,000		\$731,348	
		2000	\$420,000		\$439,667	
		2001	\$370,000		\$297,952	
		2002	\$325,000		\$377,828	
		2003	\$325,000		\$329,955	
		2004	\$325,000		\$386,000	
		2005	\$355,000		\$193,584	
		2006	\$300,000		\$230,792	
		2007	\$300,000		\$127,937	
		2008	\$300,000		\$202,793	
		2009	\$300,000		\$110,497	
		2010	\$300,000		\$188,819	
		2011	\$200,000		\$213,374	
		2012	\$300,000		\$2,999,941	**Occidental
		2013	\$2,700,000		\$1,205,575	**Occidental
		2014	\$2,200,000		\$270,677	
		2015	\$300,000		\$205,482	
		2016	\$300,000		\$344,945	
		2017	\$300,000		\$261,008	
		2018	\$300,000		\$224,174	
		2019	\$300,000		\$208,000	
		2020	\$300,000		\$172,512	
		2021	\$400,000		\$116,622	
		2022	\$400,000		\$240,790	
		Sewers		\$10,000		
		Treatment Plant		\$260,000		
		Dewatering Fac		\$20,000		
		Drying		\$10,000		
BUDGET		Total for Budget		\$300,000		

ITEM #29-OFFICERS

[illegible]

ITEM #30-ADMIN GROUP BEN PLAN

2024 BUDGET		\$122,407				
2023 BUDGET		\$498,066				
2023 PROJECTED EXPENDITURES		\$112,000				
<div style="border: 1px solid black; padding: 5px; margin-top: 10px;"> The expenditure for RX was moved to line #23 Hospital Plan. </div>						
Covers non-union staff, including management, clerical & supervisory for:			48 Employees			
1	Dental	Blue Cross/Blue Shield				
2	Basic life insurance and AD&D	Hartford				
3	Vision	Principal Insurance				
4	Long Term Disability	Reliance				
5	Employee Assistance Plan					
1	Blue Cross Direct Dental Plan					
			2023	2024		
		Non Union	\$33,420	\$35,759		
		Union	\$46,643	\$49,909		
			\$80,063	\$85,668		
2	Life/AD&D-AIG non-union		2023	2024		
			\$1,367	\$2,575		
3	Vision-Principal	union	\$8,203	\$8,777		
		non union	\$7,939	\$8,495		
			\$16,141	\$17,271		
4	LTD-Reliance	non union	\$12,611	\$13,494		
5	Employee Assistance Plan		\$3,300	\$3,300		
				\$3,300		
	<u>Summary of all plans for 2024</u>		3	131	6	140
			0.04166667	0.875	0.08333333	100%
			Sewers	Treatmt Plt	Dewatering Fac	Total
	BC/BS Dental		\$3,569	\$75,058	\$7,139	\$85,767
	Life/AD&D		\$107	\$2,253	\$215	\$2,575
	Vision		\$720	\$15,112	\$1,439	\$17,271
	LTD		\$562	\$11,807	\$1,124	\$13,494
BUDGET	EAP		\$138	\$2,888	\$275	\$3,300
	Sub T		\$5,096	\$107,118	\$10,192	\$122,407
	Total		5,096	107,118	10,192	122,407
	BUDGET					\$122,407

ITEM #31-UNION EMP BENEFIT PLAN

		\$0				
		\$0				
		\$0				
NO LONGER PAYING. UNION Employees are now included in Group Plan program.						
Union contract provides for dental, vision and prescription benefits						
Joint Meeting pays the cost of the premiums.						
Distribution						
	Sewers	Treatmt Plt	Dewatering Fac	Drying	Total	
# of employees	1	79	14	0	94	
				0		
2024				\$0	0	
TOTAL BUDGET						\$0

ITEM #32- REPLACEMENT FUND

[illegible]

ITEM #33-PERMIT FEES

2024 BUDGET	\$705,000					
2023 BUDGET	\$705,000					
2023 PROJECTED EXPENDITURES	\$600,000					
<p>This item is for NJPDES permits including the wastewater treatment facility and drying facility permits issued by the NJDEP as well as other operating permits issued by NJDEP, USEPA and USNRC. The Treatment Plant NJPDES fee is normally based on wastewater characteristics (flow, BOD, TSS) as measured prior to discharge to the Arthur Kill. The permit fee system supports the NJDEP Budget. As of the 2000 Budget this item incorporates the Miscellaneous Permit Fees (previously Item #34).</p>						
	Historical NJPDES Permit Fee					
	1996	\$490,300	2010	\$500,000		
	1997	\$228,173	2011	\$401,000		
	1998	\$230,760	2012	\$341,877		
	1999	\$229,517	2013	\$464,557		
	2000	\$270,966	2014	\$506,692		
	2001	\$237,595	2015	\$479,878		
	2002	\$250,085	2016	\$565,109		
	2003	\$316,646	2017	\$568,700		
	2004	\$248,074	2018	\$505,788		
	2005	\$211,648	2019	\$733,127		
	2006	\$284,630	2020	\$472,540		
	2007	\$305,997	2021	\$646,869		
	2008	\$354,503	2022	\$571,116		
	2009	\$410,936				
	This item includes permits, fees, etc. to be paid to Regulatory Agencies for the following:					
	NJDEP-NJPDES PERMIT: TREATMENT PLANT			\$550,000		
	Plant Storm Sewer Permit			\$1,500		
	Underground Storage Tank (TP & DWF)			\$3,000		
	Laboratory Certification Fees (TP)			\$2,500		
	NJDEP Physical Connection Permit (TP & DWF)			\$1,000		
	Air Permit Applications-Modifications			\$15,000		
	Nuclear Level Sensors(DWF & SDF)			\$2,500		
	Hazardous Waste Disposal permit fees			\$3,000		
	NJPDES Combined Sewer			\$18,200		
	Air Emissions Fee			\$77,000		
	Miscellaneous (TP & DWF) TCPA, TWA, DPCC, Tidelands)			\$25,000		
			Total	\$698,700		
					say	
Budget		Sewers		\$19,700	\$10,000	
		Treatment Plant		\$676,500	\$675,000	
		Dewatering Fac		\$19,500	\$20,000	
		Drying		\$0	\$0	
		TOTAL		\$715,700	\$705,000	
		Budget		\$705,000		

ITEM #34- MISC PERMITS-FEES

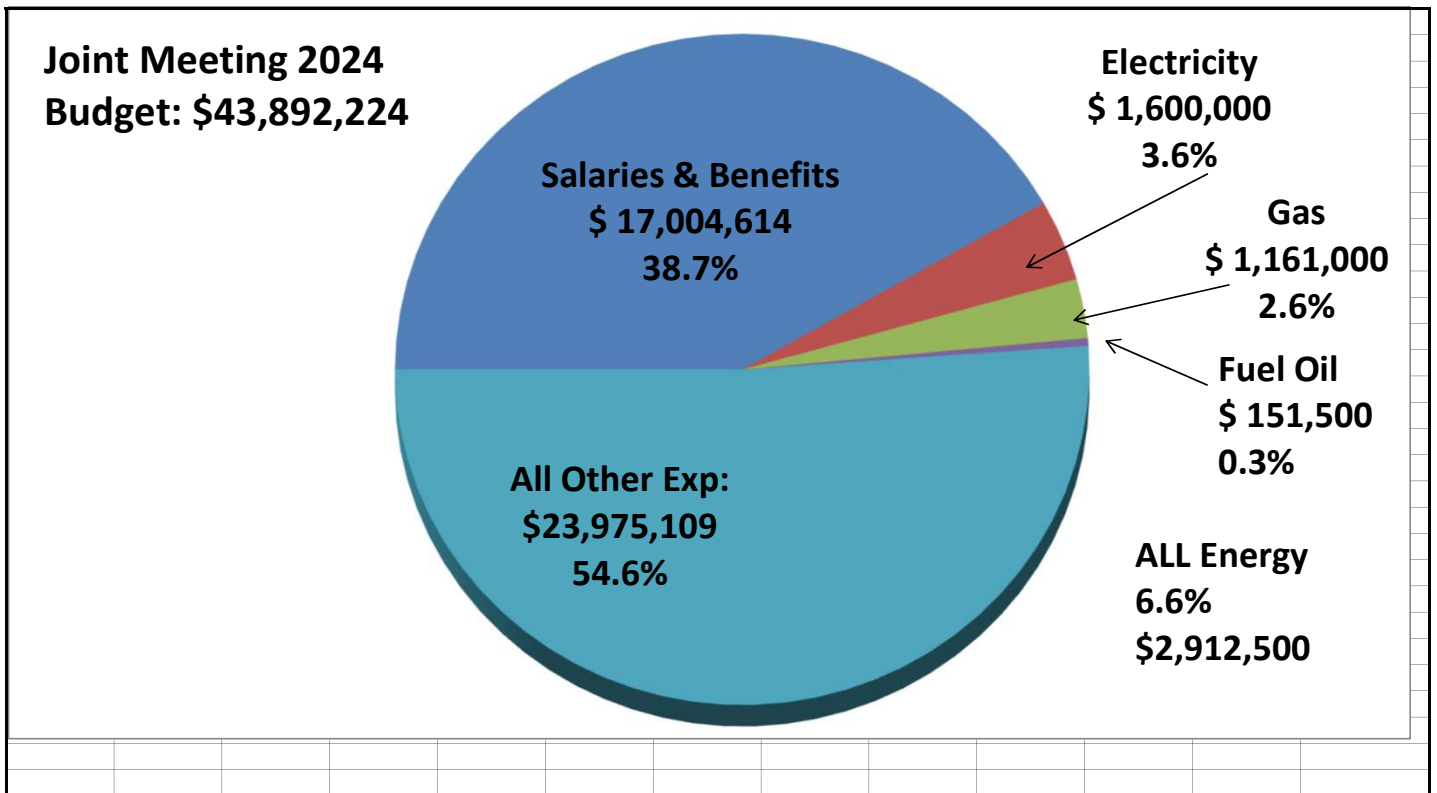
[illegible]

ITEM #35- NJED AUTHORITY LOAN

[illegible]

Facility Summary Breakout

		COLLECTION SYSTEM	TREATMENT PLANT	SLUDGE DEWATERING FACILITY	SLUDGE DRYING FACILITY	TOTAL ALL FACILITIES
		2024	2024	2024	2024	2024 BUDGET
1	VEHICLES	\$16,000	\$70,500	\$3,500		\$90,000
2	EQUIP RENTAL	\$395,880	\$197,940	\$65,980		\$659,800
3	INSURANCE	40,570	\$ 1,014,247	202,849	94,663	\$1,352,330
4	WATER		\$130,000	\$120,000	\$3,000	\$253,000
5	ELECTRIC		\$1,200,000	\$400,000	\$0	\$1,600,000
6	GAS		\$1,162,400	\$153,000	\$0	\$1,315,400
7	FUEL OIL		\$115,250	\$69,050		\$184,300
8	SEWER REPAIR	\$30,000				\$30,000
9	METER REPAIRS	\$330,000				\$330,000
10	EQUIP		\$265,000	\$72,000		\$337,000
11	CHEMICALS	\$9,000	\$5,193,443	\$965,400	\$6,800	\$6,174,643
12	SLUDGE DISP			\$3,468,528		\$3,468,528
13	SALARIES & WAGES	\$400,755	\$3,206,043	\$2,118,278		\$5,725,076
14	TECHNICAL PROF. SERV.	\$25,000	\$1,061,000	\$50,000	\$0	\$1,136,000
15	LABOR	\$381,938	\$5,709,158	\$1,110,186	\$143,835	\$7,345,118
16	PRINTING	\$1,000	\$17,000	\$2,000		\$20,000
17	MISC EXPENSES	\$60,000	\$390,000	\$100,000	\$0	\$550,000
18	GEN PLANT MAINT		\$2,358,100	\$572,000	\$5,000	\$2,935,100
19	RESERVE CONTINGENCY		\$250,000			\$250,000
20	BUILDING MAINT		\$35,000	\$15,000		\$50,000
21	PENSION	\$35,921	\$1,365,003	\$359,211	\$35,921	\$1,796,057
22	SOCIAL SECURITY	\$47,193	\$702,673	\$243,335	\$11,003	\$1,004,204
23	HOSPITAL PLAN	\$0	\$3,144,044	\$342,740	\$0	\$3,486,784
24	UNIFORMS	\$3,200	\$129,600	\$27,200		\$160,000
25	SCREENINGS		\$363,400			\$363,400
26	UNEMPLOYMENT	\$600	\$42,800	\$6,000	\$600	\$50,000
27	EXECUTIVE COMMITTEE		\$98,076			\$98,076
28	COUNSEL FEES	\$10,000	\$260,000	\$20,000	\$10,000	\$300,000
29	OFFICERS					\$0
30	ADMIN GROUP PLAN	\$5,096	\$107,118	\$10,192		\$122,407
31	UNION WELFARE FUND	\$0	\$0	\$0	\$0	\$0
32	CAPITAL FUND		\$2,000,000			\$2,000,000
33	NJPDES PERMIT FEE	\$10,000	\$675,000	\$20,000	\$0	\$705,000
34	MISC PERMITS-FEES					\$0
35	NJED AUTHORITY LOAN				\$0	\$0
BUDGET						
	TOTAL	\$1,802,154	\$31,262,796	\$10,516,451	\$310,823	\$43,892,224



Budget SUMMARY

ITEM		2024		
1	VEHICLES	\$90,000		
2	EQUIP RENTAL	\$659,800		
3	INSURANCE	\$1,352,330		
4	WATER	\$253,000		
5	ELECTRIC	\$1,600,000		
6	GAS	\$1,315,400		
7	FUEL OIL	\$184,300		
8	SEWER REPAIR	\$30,000		
9	METER REPAIRS	\$330,000		
10	EQUIP	\$337,000		
11	CHEMICALS	\$6,174,643		
12	SLUDGE DISP	\$3,468,528		
13	SALARIES & WAGES	\$5,725,076		
14	TECHNICAL PROF. SERV.	\$1,136,000		
15	LABOR	\$7,345,117		
16	PRINTING	\$20,000		
17	MISC EXPENSES	\$550,000		
18	GEN PLANT MAINT	\$2,935,100		
19	RESERVE CONTINGENCY	\$250,000		
20	BUILDING MAINT	\$50,000		
21	PENSION	\$1,796,057		
22	SOCIAL SECURITY	\$1,004,204		
23	HOSPITAL PLAN	\$3,486,784		
24	UNIFORMS	\$160,000		
25	SCREENINGS	\$363,400		
26	UNEMPLOYMENT	\$50,000		
27	EXECUTIVE COMMITTEE	\$98,076		
28	COUNSEL FEES	\$300,000		
29	OFFICERS	\$0		
30	ADMIN GROUP PLAN	\$122,407		
31	UNION EMP BENEFIT PLAN	\$0		
32	REPLACEMENT FUND	\$2,000,000		
33	NJPDES PERMIT FEE	\$705,000		
34	MISC PERMITS-FEES	\$0		
35	NJED AUTHORITY LOAN	\$0		
		\$43,892,224		
	2024	\$43,892,224		
	2023	\$41,132,748	6.71%	
The Joint Meeting Budget becomes a component of each of the served municipality budgets.				