



Brunswick Sewer District

2018 OPERATIONS BUDGET

Adopted by the Board of Trustees

December 21, 2017

BRUNSWICK SEWER DISTRICT
2018 OPERATIONS BUDGET

December 21, 2017

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**BRUNSWICK SEWER DISTRICT
ANNUAL BUDGET FUNDS AND EXPENDITURES: 2017 - 2018**

12/21/2017

FUNDS: ANNUAL	2017		2018	EXPENDITURES: ANNUAL	2017		2018
	BUDGET	ESTIMATED YEAR END	PROPOSED		BUDGET	ESTIMATED YEAR END	PROPOSED
OPERATING REVENUES				OPERATING EXPENSES			
Residential	\$1,664,900	\$1,687,700	\$1,840,100	Collection & Pumping Systems	\$784,400	\$788,500	\$881,800
Commercial	1,111,300	1,142,200	1,247,000	Wastewater Treatment	957,700	1,013,600	1,053,800
Roof Drains/Cathch Basins	20,600	20,600	22,700	Administration	995,200	996,300	1,056,600
Brunswick Landing	383,400	388,900	435,900				
Surcharges	60,000	82,500	36,000				
Topsham Sewer District	130,000	148,000	133,000				
Septage	266,000	285,100	290,000				
Total Operating Revenues	\$3,636,200	\$3,755,000	\$4,004,700	Total Operating Expenses	\$2,737,300	\$2,798,400	\$2,992,200
NON-OPERATING REVENUES				CAPITAL & MISCELLANEOUS EXPENDITURES			
All Jobbing and Contract Work	\$61,500	\$83,000	\$56,200	Capital Improvements	\$216,000	\$229,500	\$157,000
Interest Income	66,000	33,700	36,000	Construction	444,500	\$361,600	535,500
Topsham Sewer District (CWSRF Loan)	31,000	32,200	185,400	Miscellaneous	<u>14,000</u>	<u>15,000</u>	<u>16,500</u>
Miscellaneous	<u>40,600</u>	<u>17,800</u>	<u>12,300</u>				
Total Other Revenues	\$199,100	\$166,700	\$289,900	Total Capital & Misc. Expenditures	\$674,500	\$606,100	\$709,000
Total Operating & Non-Operating Revenues	\$3,835,300	\$3,921,700	\$4,294,600	Total Operating, Capital & Misc. Expenditures	\$3,411,800	\$3,404,500	\$3,701,200
DESIGNATED REVENUES				DESIGNATED EXPENDITURES			
Entrance Charge Fund	\$50,700	\$35,700	\$64,100	Capital & Depreciation Reserve	\$56,000	\$56,000	\$56,000
Donation of Capital Assets	<u>\$0</u>	<u>\$11,600</u>	<u>\$1,140,000</u>	Debt Reserve	0	0	0
Total Designated Revenues	\$50,700	\$47,300	\$1,204,100	Entrance Charge Fund	50,700	35,700	64,100
OTHER SOURCE OF FUNDS				Donation of Capital Assets	<u>0</u>	<u>11,600</u>	<u>1,140,000</u>
Appropriation of Funds: Capital & Depr Reserve	\$0	\$0	\$0	Total Designated Expenditures	\$106,700	\$103,300	\$1,260,100
Appropriation of Funds: Entrance Charge	200,000	0	1,000,000	OTHER EXPENDITURES			
Appropriation of Funds: Operations	<u>0</u>	<u>0</u>	<u>0</u>	Bond Principal (2005/2012 bonds, 2016 DEP loan)	\$139,200	\$139,200	\$1,141,600
Total Other Funds	\$200,000	\$0	\$1,000,000	Bond Interest (2005 & 2012, 2016 DEP loan)	<u>255,700</u>	<u>255,700</u>	<u>302,800</u>
Total Operations Funds Available	\$4,086,000	\$3,969,000	\$6,498,700	Total Other Expenditures	\$394,900	\$394,900	\$1,444,400
Treatment Plant Upgrade Funds	\$8,600,000	\$6,337,297	\$1,800,000	Total Operations Expenditures	\$3,913,400	\$3,902,700	\$6,405,700
Grand Total Funds Available:	<u>\$12,686,000</u>	<u>\$10,306,297</u>	<u>\$8,298,700</u>	Treatment Plant Upgrade Expenditures	\$8,600,000	<u>\$6,337,297</u>	\$1,800,000
Total Funds vs. Expenditures:				Grand Total Expenditures:	<u>\$12,513,400</u>	<u>\$10,239,997</u>	<u>\$8,205,700</u>

**BRUNSWICK SEWER DISTRICT
TREATMENT PLANT UPGRADE PROJECT RECAP**

12/21/2017

FUNDING BY YEAR			EXPENDITURES BY YEAR		
FUNDING	<u>PROJECT</u>		EXPENDITURES	<u>SUBMITTED TO DEP</u>	<u>PAID by BSD</u>
SRF loan	\$22,000,000				
Drawdowns:					
2014 - actual	395,035		2014 - actual	\$395,035	\$6,455
2015 - actual	3,975,783		2015 - actual	3,975,783	37,124
2016 - actual	8,772,027		2016 - actual	8,772,027	45,508
2017 - actual Jan - Oct, estimate Nov - Dec	6,285,403		2017 - actual Jan - Oct, estimate Nov - Dec	6,337,297	0
<i>2018 - estimate</i>	<u>1,800,000</u>		<i>2018 - estimate</i>	<u>1,800,000</u>	<u>0</u>
Total Funding Revenues	\$21,228,248		Total Expenditures Submitted to DEP	\$21,280,142	
			BSD Expenditures	<u>\$89,087</u>	\$89,087
			Total Project Expenditures	\$21,369,229	
Balance Unused	\$771,752				

**BRUNSWICK SEWER DISTRICT
2017 ESTIMATED REVENUE**

12/21/2017

OPERATING REVENUE	ACTUAL JAN	ACTUAL FEB	ACTUAL MAR	ACTUAL APR	ACTUAL MAY	ACTUAL JUN	ACTUAL JUL	ACTUAL AUG	ACTUAL SEPT	ACTUAL OCT	ACTUAL NOV	forecast DEC	2017 anticipated TOTAL	2017 BUDGET	OVER / (UNDER)
RESIDENTIAL															
- METERED	\$378	\$196,945	\$162,635	\$807	\$197,847	\$189,485	\$930	\$251,016	\$226,890	\$205	\$233,748	\$217,143	\$1,678,028	\$1,655,169	\$22,859
- FLAT	0	0	2,259	0	0	2,423	0	41	2,426	0	0	2,508	9,657	9,696	(39)
TOTAL RESIDENTIAL:	378	196,945	164,894	807	197,847	191,909	930	251,056	229,316	205	233,748	219,651	1,687,685	1,664,865	22,820
COMMERCIAL															
- METERED	\$63	\$81,373	\$168,428	\$92	\$80,732	\$181,650	\$476	\$103,892	234,276	135	109,903	180,317	1,141,336	1,110,353	30,983
- FLAT	0	0	209	0	0	228	0	0	235	0	0	235	907	910	(3)
TOTAL COMMERCIAL:	63	81,373	168,637	92	80,732	181,877	476	103,892	234,512	135	109,903	180,552	1,142,243	1,111,263	30,980
ROOF DRAINS/CATCH BASINS	0	2,808	2,019	0	2,911	2,167	0	3,115	2,241	0	3,115	2,241	20,618	20,617	1
BRUNSWICK LANDING	34,855	26,232	39,649	21,173	35,176	37,031	40,015	40,735	30,098	33,000	25,623	25,300	388,886	383,400	5,486
SURCHARGES	15,917	9,573	6,877	7,974	6,683	3,109	2,708	2,991	4,319	128	17,267	5,000	82,547	60,000	22,547
TOPSHAM SEWER	15,248	18,719	15,302	11,873	12,206	9,308	10,196	9,768	11,157	11,764	9,795	12,700	148,035	130,000	18,035
SEPTAGE	5,965	4,996	7,212	18,994	38,413	43,689	29,049	32,459	29,366	31,688	23,251	20,000	285,080	266,000	19,080
TOTALS:	\$72,426	\$340,645	\$404,590	\$60,913	\$373,967	\$469,089	\$83,374	\$444,017	\$541,008	\$76,921	\$422,701	\$465,444	\$3,755,094	\$3,636,145	\$118,949

NON-OPERATING REVENUE	ACTUAL JAN	ACTUAL FEB	ACTUAL MAR	ACTUAL APR	ACTUAL MAY	ACTUAL JUN	ACTUAL JUL	ACTUAL AUG	ACTUAL SEPT	ACTUAL OCT	ACTUAL NOV	forecast DEC	2017 anticipated TOTAL	2017 BUDGET	OVER / (UNDER)
ENTRANCE CHARGE	\$0	\$0	\$0	\$1,178	\$1,178	\$1,178	\$0	\$10,857	\$11,827	\$5,890	\$2,434	\$1,178	\$35,720	\$50,654	(14,934)
JOBING - BRUNSWICK	516	304	496	842	332	611	421	841	289	0	3,431	500	8,584	12,500	(\$3,916)
JOBING - MRRA	3,204	1,500	3,489	4,098	2,790	9,231	2,917	4,676	3,689	3,140	4,130	1,500	44,364	4,500	39,864
JOBING - TOPSHAM	2,059	1,832	5,083	6,131	1,977	2,385	1,019	2,024	1,137	1,620	1,130	2,000	28,398	43,000	(14,602)
JOBING - MISC	0	508	0	667	0	0	481	0	0	0	0	0	1,655	1,500	155
EARNED INTEREST	5,467	3,272	(2,279)	2,882	4,189	4,976	2,456	7,082	1,027	1,528	1,142	2,000	33,743	66,000	(32,257)
LATE CHARGES	560	876	292	469	1,034	179	640	372	1,041	837	518	600	7,417	8,000	(583)
MISCELLANEOUS	139	869	358	1,452	688	227	724	166	5,100	289	158	200	10,370	32,600	(22,230)
TSD (SHARE OF CWSRF LOAN)	0	0	15,884	0	0	0	0	0	16,268	0	0	0	32,151	31,000	1,151
DONATED ASSETS	0	0	0	0	11,600	0	0	0	0	0	0	0	11,600	0	11,600
TOTALS:	\$11,946	\$9,161	\$23,323	\$17,717	\$23,789	\$18,788	\$8,659	\$26,019	\$40,378	\$13,304	\$12,943	\$7,978	\$214,004	\$249,754	(\$35,750)

GRAND TOTALS:	\$84,371	\$349,805	\$427,913	\$78,630	\$397,756	\$487,877	\$92,032	\$470,036	\$581,386	\$90,225	\$435,645	\$473,422	\$3,969,098	\$3,885,899	\$83,199
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**BRUNSWICK SEWER DISTRICT
2018 BUDGETED REVENUE W/RATE INCREASE EFFECTIVE 04/01/2018**

12/21/2017

OPERATING REVENUE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC	2018 BUDGET	2017	OVER /
													TOTAL	<i>estimated</i>	(UNDER)
RESIDENTIAL															
- METERED	\$400	\$218,400	\$180,400	\$900	\$204,400	\$202,000	\$1,000	\$276,100	\$249,600	\$200	\$257,100	\$238,900	\$1,829,400	\$1,678,028	\$151,372
- FLAT	<u>0</u>	<u>0</u>	<u>2,500</u>	<u>0</u>	<u>0</u>	<u>2,660</u>	<u>0</u>	<u>0</u>	<u>2,750</u>	<u>0</u>	<u>0</u>	<u>2,750</u>	<u>10,660</u>	<u>9,657</u>	<u>1,003</u>
TOTAL RESIDENTIAL:	\$400	\$218,400	\$182,900	\$900	\$204,400	\$204,660	\$1,000	\$276,100	\$252,350	\$200	\$257,100	\$241,650	\$1,840,060	\$1,687,685	\$152,375
COMMERCIAL															
- METERED	\$100	\$90,200	\$186,800	\$100	\$83,400	\$193,600	\$500	\$114,300	\$257,700	\$100	\$120,900	\$198,300	\$1,246,000	\$1,141,336	\$104,664
- FLAT	<u>0</u>	<u>0</u>	<u>235</u>	<u>0</u>	<u>0</u>	<u>250</u>	<u>0</u>	<u>0</u>	<u>260</u>	<u>0</u>	<u>0</u>	<u>259</u>	<u>1,004</u>	<u>907</u>	<u>97</u>
TOTAL COMMERCIAL:	\$100	\$90,200	\$187,035	\$100	\$83,400	\$193,850	\$500	\$114,300	\$257,960	\$100	\$120,900	\$198,559	\$1,247,004	\$1,142,243	\$104,761
CATCH BASINS/ROOF DRAINS	\$0	\$3,115	\$2,240	\$0	\$3,220	\$2,315	\$0	\$3,425	\$2,465	\$0	\$3,425	\$2,470	\$22,675	\$20,618	\$2,057
MRRA	38,700	29,100	44,000	23,300	38,700	40,700	44,000	44,800	33,100	36,300	35,400	27,800	435,900	388,886	47,014
SURCHARGES	3,000	3,000	3,000	3,000	3,000	3,000	3,000	3,000	3,000	3,000	3,000	3,000	36,000	82,547	(46,547)
TOPSHAM SEWER	14,000	14,000	14,000	13,000	9,000	9,000	10,000	9,000	10,000	9,000	10,000	12,000	133,000	148,035	(15,035)
SEPTAGE	7,100	5,100	9,300	20,400	35,000	38,000	30,300	33,300	29,600	33,500	29,100	19,300	290,000	285,080	4,920
TOTALS:	\$63,300	\$362,915	\$442,475	\$60,700	\$376,720	\$491,525	\$88,800	\$483,925	\$588,475	\$82,100	\$458,925	\$504,779	\$4,004,639	\$3,755,094	\$249,545

NON-OPERATING REVENUE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC	2018 BUDGET	2017	OVER /
													TOTAL	<i>estimated</i>	(UNDER)
ENTRANCE CHARGE	\$0	\$0	\$1,178	\$0	\$2,356	\$2,356	\$2,356	\$12,356	\$11,178	\$11,178	\$11,178	\$10,000	\$64,136	\$35,720	\$28,416
JOBING - BRUNSWICK	500	500	500	600	600	600	600	600	500	500	500	500	\$6,500	\$8,584	(\$2,084)
JOBING - MRRA	1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500	18,000	\$44,364	(26,364)
JOBING - TOPSHAM SEWER	2,500	2,500	2,500	2,500	2,500	2,500	2,500	2,500	2,500	2,500	2,500	2,500	30,000	\$28,398	1,602
JOBING - MISC	0	0	500	0	0	600	0	600	0	0	0	0	1,700	\$1,655	45
EARNED INTEREST	3,000	3,000	3,000	3,000	3,000	3,000	3,000	3,000	3,000	3,000	3,000	3,000	36,000	\$33,743	2,257
LATE CHARGES	500	400	500	500	900	500	700	800	900	700	1,000	500	7,900	\$7,417	483
MISCELLANEOUS	20	20	250	20	20	205	320	20	3,215	20	20	225	4,355	\$10,370	(6,015)
TSD (SHARE OF CWSRF LOAN)	0	0	17,200	0	0	0	0	0	168,200	0	0	0	185,400	\$32,151	153,249
DONATED ASSETS	20,000	570,000	150,000	0	0	0	0	0	0	400,000	0	0	1,140,000	\$11,600	1,128,400
TOTALS:	\$28,020	\$577,920	\$175,950	\$8,120	\$8,520	\$8,905	\$8,620	\$9,020	\$179,815	\$408,220	\$8,520	\$8,225	\$1,493,991	\$214,004	\$1,279,987

GRAND TOTALS:	\$91,320	\$940,835	\$618,425	\$68,820	\$385,240	\$500,430	\$97,420	\$492,945	\$768,290	\$490,320	\$467,445	\$513,004	\$5,498,630	\$3,969,098	\$1,529,532
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**BRUNSWICK SEWER DISTRICT
OPERATIONS, MAINTENANCE AND GENERAL EXPENSES
2017 ANTICIPATED**

12/21/2017

<u>DESCRIPTION</u>	<u>2017</u>			<u>2017</u>		<u>2017</u>
	<u>TOTAL</u> <u>BUDGET</u>	<u>COLLECTION</u> <u>& PUMPING</u>	<u>TREATMENT</u>	<u>ADMIN</u>	<u>TOTAL</u> <u>ANTICIPATED</u>	<u>BUDGET VS</u> <u>ANTICIPATED</u> (<u>\$</u>)
Salaries & Wages	\$1,192,400	\$399,000	\$343,000	\$462,927	\$1,204,927	(\$12,527)
Employee Benefits	639,300	204,895	197,331	233,443	635,669	\$3,631
Trustees Fees	7,000			6,150	6,150	\$850
Heating	29,900	7,049	13,829	0	20,878	\$9,022
Power	143,500	30,022	114,635	11,424	156,081	(\$12,581)
Water	6,200	1,988	4,275	85	6,348	(\$148)
Telecommunications	20,000	7,946	7,629	3,852	19,427	\$573
Maintenance-Service Contracts	62,200	24,925	6,709	27,156	58,790	\$3,410
Maintenance - Lines	12,800	9,207			9,207	\$3,593
Maintenance - Holes	17,500	19,009			19,009	(\$1,509)
Maintenance - Buildings	32,400	10,910	14,757	7,399	33,066	(\$666)
Maintenance - Equipment	53,000	20,464	22,287	10,529	53,280	(\$280)
Maintenance - Vehicles	20,300	11,681	2,793	3,053	17,527	\$2,773
Vehicle Fuel	30,600	10,368	4,611	4,243	19,222	\$11,378
Travel	19,600	3,073	1,612	7,494	12,179	\$7,421
Professional Development	16,000	2,963	2,950	4,304	10,217	\$5,783
Dues & Subscriptions	3,600	1,454	742	2,706	4,902	(\$1,302)
Supplies/Small tools	25,100	13,163	6,569	4,324	24,056	\$1,044
Postage/Delivery	16,200	81	40	11,744	11,865	\$4,335
Safety	11,800	6,927	5,729	259	12,915	(\$1,115)
Uniforms	4,400	2,402	2,036		4,438	(\$38)
Licenses	6,200		5,455		5,455	\$745
Outside Temporary Help	0			0	0	\$0
Outside Printing	6,600			5,852	5,852	\$748
Advertising	1,900			1,681	1,681	\$219
Consulting Fees	42,300		13,365	36,983	50,348	(\$8,048)
Miscellaneous	5,400	1,019	98	6,938	8,055	(\$2,655)
Purification Supplies	0		0		0	\$0
Sodium Hypochlorite	10,600		4,846		4,846	\$5,754
Polymer	9,700		31,539		31,539	(\$21,839)
Sodium Hydroxide	21,000		58,653		58,653	(\$37,653)
Sludge Disposal	108,600		116,554		116,554	(\$7,954)
Laboratory Expense	15,000		14,092		14,092	\$908
Laboratory Testing	8,000		15,050		15,050	(\$7,050)
Instrumentation	2,400		2,400		2,400	\$0
Bad debt	0				0	\$0
Sub-Total Expenses	\$2,601,500	\$788,546	\$1,013,586	\$852,546	\$2,654,678	(\$53,178)
Insurance - General	66,800			65,882	65,882	\$918
Meter Reading	<u>69,000</u>			<u>77,909</u>	<u>77,909</u>	<u>(\$8,909)</u>
Total Expenses	\$2,737,300	\$788,546	\$1,013,586	\$996,337	\$2,798,469	(\$61,169)
Depreciation	1,305,000			1,190,033	1,190,033	<u>114,967</u>
Net Expense to Operate District	\$4,042,300	\$788,546	\$1,013,586	\$2,186,370	\$3,988,502	\$53,798
2017 BUDGET		\$784,400	\$957,700	\$995,200	\$2,737,300	
Under / (- Over) Budget		(\$4,146)	(\$55,886)	(\$1,137)	(\$61,169)	<i>w/o depreciation</i>

**BRUNSWICK SEWER DISTRICT
OPERATIONS, MAINTENANCE AND GENERAL EXPENSES
2018 DIVISION BUDGETS**

12/21/2017

DESCRIPTION	COLLECTION		ADMIN	2018 BUDGET	2017 ANTICIPATED EXPENSES	VARIANCE	
	& PUMPING	TREATMENT				2018 BUDGET TO 2017 ANTICIPATED	(%)
Salaries & Wages	\$450,000	\$353,000	\$474,000	\$1,277,000	\$1,204,927	6.0%	\$72,073
Employee Benefits	248,400	205,100	242,500	696,000	\$635,669	9.5%	60,331
Trustees Fees			7,000	7,000	\$6,150	13.8%	850
Heating	7,200	14,700		21,900	\$20,878	4.9%	1,022
Power	21,000	102,000	9,000	132,000	\$156,081	-15.4%	(24,081)
Water	2,200	5,800	100	8,100	\$6,348	27.6%	1,752
Telecommunications	6,600	9,100	4,500	20,200	\$19,427	4.0%	773
Maintenance-Service Contracts	27,900	9,700	29,700	67,300	\$58,790	14.5%	8,510
Maintenance - Lines	7,500			7,500	\$9,207	-18.5%	(1,707)
Maintenance - Holes	7,900			7,900	\$19,009	-58.4%	(11,109)
Maintenance - Buildings	20,400	33,400	15,400	69,200	\$33,066	109.3%	36,134
Maintenance - Equipment	26,000	24,600	7,300	57,900	\$53,280	8.7%	4,620
Maintenance - Vehicles	9,700	4,400	2,900	17,000	\$17,527	-3.0%	(527)
Vehicle Fuel	13,100	9,200	4,500	26,800	\$19,222	39.4%	7,578
Travel	5,200	3,400	9,900	18,500	\$12,179	51.9%	6,321
Professional Development	3,900	5,600	8,400	17,900	\$10,217	75.2%	7,683
Dues & Subscriptions	800	500	2,200	3,500	\$4,902	-28.6%	(1,402)
Supplies/Small tools	12,600	7,000	6,300	25,900	\$24,056	7.7%	1,844
Postage/Delivery	300	100	15,000	15,400	\$11,865	29.8%	3,535
Safety	7,000	6,800	500	14,300	\$12,915	10.7%	1,385
Uniforms	2,800	2,000		4,800	\$4,438	8.2%	362
Licenses		4,400		4,400	\$5,455	-19.3%	(1,055)
Outside Printing			6,600	6,600	\$5,852	12.8%	748
Advertising			1,900	1,900	\$1,681	13.0%	219
Consulting Fees		2,000	44,100	46,100	\$50,348	-8.4%	(4,248)
Miscellaneous	1,300	400	10,800	12,500	\$8,055	55.2%	4,445
Purification Supplies		0		0	\$0	0.0%	0
Sodium Hypochlorite		6,300		6,300	\$4,846	30.0%	1,454
Polymer		33,000		33,000	\$31,539	4.6%	1,461
Sodium Hydroxide		42,200		42,200	\$58,653	-28.1%	(16,453)
Sodium Bisulfite		22,800		22,800	\$0	#DIV/0!	22,800
Sludge Disposal		108,600		108,600	\$116,554	-6.8%	(7,954)
Laboratory Expense		12,000		12,000	\$14,092	-14.8%	(2,092)
Laboratory Testing		8,700		8,700	\$15,050	-42.2%	(6,350)
Instrumentation		17,000		<u>17,000</u>	<u>\$2,400</u>	<u>608.3%</u>	<u>14,600</u>
Sub-Total Expenses	\$881,800	\$1,053,800	\$902,600	\$2,838,200	\$2,654,678	6.91	\$183,522
Insurance - General			68,000	68,000	\$65,882	3.2%	2,118
Meter Reading			<u>86,000</u>	<u>86,000</u>	<u>\$77,909</u>	<u>10.4%</u>	<u>8,091</u>
Total Expenses	\$881,800	\$1,053,800	\$1,056,600	\$2,992,200	\$2,798,469	6.9%	\$193,731
Depreciation			<u>1,517,000</u>	<u>1,517,000</u>	<u>1,190,033</u>	<u>27.5%</u>	<u>326,967</u>
Net Expense to Operate District	\$881,800	\$1,053,800	\$2,573,600	\$4,509,200	\$3,988,502	13.1%	\$520,698

**BRUNSWICK SEWER DISTRICT
CONSOLIDATED EXPENSES FOR 2014, 2015, 2016, ANTICIPATED 2017
AND 2018 BUDGET**

12/21/2017

<u>DESCRIPTION</u>	<u>2014 AUDITED</u>	<u>2015 AUDITED</u>	<u>2016 AUDITED</u>	<u>2017 ANTICIPATED</u>	<u>2018 BUDGET</u>	<u>VARIANCE</u>	
						<u>2018 BUDGET TO 2017 ANTICIPATED</u>	<u>(%) (\$)</u>
Salaries and wages	\$1,134,561	\$1,109,827	\$1,165,172	\$1,204,927	\$1,277,000	6.0%	\$72,073
Employee benefits	\$525,242	\$549,711	\$587,569	\$635,669	\$696,000	9.5%	\$60,331
Trustees' fees	\$6,975	\$6,463	\$6,263	\$6,150	\$7,000	13.8%	\$850
Heating	\$37,178	\$32,957	\$25,560	\$20,878	\$21,900	4.9%	\$1,022
Power	\$123,402	\$132,494	\$145,781	\$156,081	\$132,000	-15.4%	(\$24,081)
Water	\$3,642	\$5,456	\$5,037	\$6,348	\$8,100	27.6%	\$1,752
Telecommunications	\$19,412	\$19,471	\$20,043	\$19,427	\$20,200	4.0%	\$773
Maintenance service contracts	\$100,510	\$93,051	\$75,630	\$58,790	\$67,300	14.5%	\$8,510
Maintenance of lines	\$11,097	\$25,798	\$14,237	\$9,207	\$7,500	-18.5%	(\$1,707)
Maintenance of holes	\$3,800	\$12,475	\$15,564	\$19,009	\$7,900	-58.4%	(\$11,109)
Maintenance of buildings	\$14,591	\$13,052	\$31,056	\$33,066	\$69,200	109.3%	\$36,134
Maintenance of equipment	\$74,521	\$55,042	\$62,011	\$53,280	\$57,900	8.7%	\$4,620
Maintenance of vehicles	\$23,067	\$10,373	\$14,738	\$17,527	\$17,000	-3.0%	(\$527)
Vehicle fuel	\$35,138	\$29,934	\$22,389	\$19,222	\$26,800	39.4%	\$7,578
Travel	\$5,737	\$6,656	\$10,045	\$12,179	\$18,500	51.9%	\$6,321
Professional development	\$17,717	\$14,532	\$7,874	\$10,217	\$17,900	75.2%	\$7,683
Dues and subscriptions	\$4,653	\$4,276	\$2,915	\$4,902	\$3,500	-28.6%	(\$1,402)
Supplies/ small tools	\$17,496	\$18,871	\$35,405	\$24,056	\$25,900	7.7%	\$1,844
Postage, freight and delivery	\$12,675	\$12,805	\$14,082	\$11,865	\$15,400	29.8%	\$3,535
Safety	\$9,647	\$7,005	\$11,817	\$12,915	\$14,300	10.7%	\$1,385
Uniforms	\$4,700	\$4,400	\$4,561	\$4,438	\$4,800	8.2%	\$362
Licenses	\$5,860	\$5,219	\$5,128	\$5,455	\$4,400	-19.3%	(\$1,055)
Temporary help	\$0	\$0	\$4,571	\$0	\$0	0.0%	\$0
Outside printing	\$5,571	\$6,156	\$5,103	\$5,852	\$6,600	12.8%	\$748
Advertising	\$2,403	\$2,736	\$1,659	\$1,681	\$1,900	13.0%	\$219
Consulting Fees	\$46,410	\$30,115	\$34,550	\$50,348	\$46,100	-8.4%	(\$4,248)
Miscellaneous	\$4,531	\$4,057	\$4,804	\$8,055	\$12,500	55.2%	\$4,445
Purification supplies	\$90	\$158	\$0	\$0	\$0	0.0%	\$0
Lime	\$3,768	\$11,396	\$0	\$0	\$0	0.0%	\$0
Sodium hypochlorite	\$4,581	\$3,832	\$5,384	\$4,846	\$6,300	0.0%	\$1,454
Polymer	\$7,066	\$13,028	\$6,619	\$31,539	\$33,000	4.6%	\$1,461
Sodium hydroxide	\$11,586	\$15,079	\$40,231	\$58,653	\$42,200	-28.1%	(\$16,453)
Sodium Bisulfite							
Sludge disposal	\$83,560	\$103,149	\$113,073	\$116,554	\$108,600	-6.8%	(\$7,954)
Laboratory expense	\$7,422	\$9,866	\$14,835	\$14,092	\$12,000	-14.8%	(\$2,092)
Laboratory testing	\$6,616	\$6,403	\$8,156	\$15,050	\$8,700	-42.2%	(\$6,350)
Instrumentation	\$1,405	\$1,429	\$1,142	\$2,400	\$17,000	608.3%	\$14,600
Bad debt	\$0	\$660	\$0	\$0	\$0	0.0%	\$0
Sub-Total Expenses	\$2,376,630	\$2,377,932	\$2,523,004	\$2,654,678	\$2,815,400	6.1%	\$160,722
Insurance - General	\$65,148	\$65,990	\$66,820	\$65,882	\$68,000	3.2%	\$2,118
Meter Reading	\$60,238	\$67,842	\$64,415	\$77,909	\$86,000	10.4%	\$8,091
Total Expenses	\$2,502,016	\$2,511,764	\$2,654,239	\$2,798,469	\$2,969,400		\$170,931
Depreciation	<u>1,079,097</u>	<u>1,062,556</u>	<u>1,179,032</u>	<u>1,189,525</u>	<u>1,517,000</u>	27.5%	\$327,475
Net Expense to Operate District	\$3,581,113	\$3,574,320	\$3,833,271	\$3,987,994	\$4,486,400	12.5%	\$669,337

**2017 CAPITAL IMPROVEMENT PLAN (CIP) BUDGET
ESTIMATED YEAR-END**

12/21/2017

<u>DIVISION</u>	<u>DESCRIPTION</u>	<u>BUDGET</u>	<u>ESTIMATED YEAR-END</u>	<u>BALANCE</u>
<u>BUDGETED CAPITAL</u>				
Collection	Inline cutter/grinder - Maine Street pump station	\$65,000	\$58,461	\$6,539
Collection	Standby generator - River Road pump station #1	\$35,000	19,890	15,110
Admin	Replace 2011 GMC 1/2 T pick up -AGM	38,500	36,661	1,839
Treatment	Incubator for the lab	7,000	0	7,000
Treatment	Uni-loader (or equivalent) skid steer	45,000	34,684	10,316
Collection/Treatment	Cold storage building (1300 sf)	17,000	24,018	(7,018)
Treatment	Four overhead garage doors	8,500	8,346	154
TOTAL CAPITAL:		\$216,000	\$182,061	\$33,939

BUDGETED CONSTRUCTION

Collection	Union St sewer main replacement (850 lf)- joint proj w/BPW & BTWD	\$127,500	\$52,900	\$74,600
Collection	River Road pump station #1 upgrade	\$265,000	255,000	10,000
Collection	Coffin St sewer main replacement (305 lf) - joint proj w/Bowdoin College	52,000	53,700	(1,700)
TOTAL CONSTRUCTION:		\$444,500	\$361,600	\$82,900

TOTAL CAPITAL & CONSTRUCTION:	\$660,500	\$543,661	\$116,839
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*Approved by
Board*

UNBUDGETED CAPITAL

Donated Asset	Comfort Inn force main 290 lf	5/18/17 mtg	\$11,600	(\$11,600)
Collection	Boody St pipe burst - 420 lf, SMH #727 to #729, replace #729)	4/20/17 mtg	47,401	(47,401)
TOTAL UNBUDGETED:			\$59,001	(\$59,001)

TREATMENT PLANT UPGRADE PROJECT

CONSTRUCTION WORK IN PROCESS

Treatment	Treatment Plant Upgrade - Project completion	\$8,600,000	\$6,337,297	\$2,262,703
TREATMENT PLANT UPGRADE 2017 TOTALS:		\$8,600,000	\$6,337,297	\$2,262,703

2017 GRAND TOTALS:	\$9,260,500	\$6,939,959	\$2,320,541
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**BRUNSWICK SEWER DISTRICT
2018 CAPITAL IMPROVEMENT PLAN (CIP) BUDGET**

12/21/2017

<u>DIVISION</u>	<u>DESCRIPTION</u>	<u>BUDGET</u>
<u>CAPITAL</u>		
Collection	Standby generator - Gurnet Road pump station	\$35,000
Collection	Standby generator - Water Street pump station	60,000
Collection	Standby generator - Mill Street pump station	50,000
Treatment	Bagger for Kubota lawn mower	5,000
Collection	Mig welder	7,000
TOTAL CAPITAL		\$157,000
<u>CONSTRUCTION</u>		
Collection	Mill Street pump station upgrade	\$450,000
Collection	Sewer replacement - Longfellow St (586 lf)	69,000
Collection	Sewer replacement - Noble St (775 lf)	96,000
Collection	Sewer replacement - Union St (620 lf) - joint project w/ BPW & BTWD	79,000
Collection	Sewer replacement - Pipe burst Chamberlain to Hawthorne easement (215 lf)	30,000
Collection	Sewer replacement - Maine St (60 lf)	6,500
TOTAL CONSTRUCTION		\$535,500
<u>TREATMENT PLANT UPGRADE PROJECT</u>		
Treatment	Final work & retainage	\$1,500,000
TOTAL TREATMENT PLANT UPGRADE		\$1,500,000
2018 CAPITAL IMPROVEMENT PLAN TOTAL		\$2,192,500
<u>DONATED ASSETS</u>		
Collection	Meadowbrook	\$10,000
Collection	Church Road	10,000
Collection	Brunswick Landing	570,000
Collection	Botany Place	150,000
Collection	Beacon Ridge	400,000
TOTAL DONATED ASSETS:		\$1,140,000

BRUNSWICK SEWER DISTRICT
BOND PAYMENT SCHEDULE FOR 2018

12/21/2017

<u>TYPE OF BOND</u>	<u>BOND HOLDER</u>	<u>ISSUE DATE</u>	<u>MATURITY DATE</u>	<u>INTEREST RATE</u>	<u>ORIGINAL AMOUNT</u>	<u>BALANCE AT 1/1/2018</u>	<u>PYMT DATES</u>	<u>PRINCIPAL</u>	<u>BALANCE AT 12/31/2018</u>	<u>2018 INTEREST</u>
2005 MeDEP CWSRF	Maine Bond Bank	4/22/2005	4/01/2025	1.8100%	\$1,750,000	\$791,536	4/01/2018	\$91,637	\$699,899	\$16,783
2012 ME BOND BANK SEWER BOND	Maine Bond Bank	10/25/2012	11/1/2022	2.1227%	\$500,000	\$263,103	11/01/2018	50,826	212,277	\$5,070
2015 MeDEP CWSRF	Maine Bond Bank	12/17/2015	1/1/2036	1.0000%	\$22,000,000	\$22,000,000	10/01/2018	999,137	21,000,863	<u>\$280,957</u>
GRAND TOTAL:										<u>\$ 302,810</u>



Brunswick Sewer District

Adopted 2018 Operations Budget

BUDGET NARRATIVE

December 21, 2017



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EXECUTIVE SUMMARY – 2018 BUDGET

User Rates

As presented, the 2018 budget proposal includes increases to our user rates to become effective 01 April 2018. The proposal is for a \$0.66 (10%) increase in the basic metered rate for 100 cubic feet, from \$6.60 to \$7.26, with corresponding changes to the other rates. This is expected to generate \$321,000 of additional user rate revenue for 2018 based on 2017 year-end.

Revenue

Annual revenue (defined as Operating Revenue and Non-Operating Revenue) is projected at \$372,900 above our estimate for year-end 2017. This includes \$185,400 from TSD for the MMBB loan payment. We project \$63,600 less than the 2017 budget for Non-Billing Revenue for Jobbing, Interest, and Misc. income, and \$27,000 less than Y/E 2017.

Entrance Charge

We estimate an increase of \$35,700 over the year-end 2017 projection. Entrance charge revenue is dedicated to the entrance charge fund reserve account to fund growth related capital costs. It is not available to cover operating expenses or capital improvement project costs. More than \$2M of the treatment plant upgrade costs is growth related capital.

The 2018 budget proposes to expend \$1,000,000 from the Entrance Charge Reserve to cover a portion of the \$2M cost for the Headworks expansion. It will be used to pay a portion of the 2018 \$1,280,094 MMBB CWSRF Loan payment. The \$280,094 balance to be funded from Revenues.

Operating Expenses

The 2018 combined division expenses are budgeted at \$254,900 above 2017 Budget. Included in the increase is a proposal to fill an existing vacancy in the Collection/Pumping Division. The 2018 Operating Expenses are budgeted at \$219,100 above 2017 Y/E anticipated, a 7.9% increase.

Capital

The 2018 capital budget is proposed at \$709,000 for equipment, lines, and pump station upgrades. An increase of \$34,500 from the 2017 Budget and \$102,900 from estimated 2017 year-end.



Debt Payments

Combining principal and interest, the debt payment for the 2005 CWSRF Loan will be \$108,420, and the debt payment for the 2012 MMBB bond will be \$55,896, for a total of \$164,315.

The first full P&I payment for the 2015 CWSRF loan will be \$1,280,094. For a total 2018 debt payment of \$1,444,400. TSD will reimburse us \$185,400, for a net payment of \$1,259,000.

2018 Budget Summary

The 2018 Operations Budget as presented, anticipates a \$55,600 surplus. This assumes that \$1,000,000 of the debt payment on the 2015 CWSRF loan is funded from the Entrance Charge Reserve.

Note: For balancing the Analysis Sheet, revenue sent to reserve accounts (Entrance Charge, Capital & Depreciation, and /or Debt Reserve) are treated as expenditures.

YEAR-END 2017 BUDGET

2017 Revenue

Operating Revenue is expected to come in \$76,700 over projection. The breakdown by Over/ (Under) is: Residential (\$2,300), Commercial \$22,000, Brunswick Landing \$6,400, Surcharges \$10,300, Topsham Sewer District \$18,500, Septage \$21,800.

Non-Operating Revenue is expected to come in (\$35,400) under projection. The breakdown by Over/ (Under) is: Jobbing/Contract Work \$17,100, Interest Income (31,400), and Miscellaneous (22,300).

Entrance Charge is expected to come in at \$34,500, (\$16,200) under projection.

Donated Assets: There were no donated assets budgeted in 2017. But we took over ownership of the Comfort Inn force main along Pleasant Street at a value of \$11,600. Donated Assets are required to be treated as revenue.

Revenue Summary 2017

Excluding Entrance Charge revenue, we expect to come in \$41,300 more than the budget projection for the combined Operating Revenue and Non-Operating Revenue.



2017 Appropriation of Funds

Entrance Charge Reserve: Under the Treatment Plant Upgrade we budgeted a \$200,000 appropriation from the Entrance Charge Fund for the expansion of the Headworks Building. We will not appropriate the funds, but will instead request an appropriation in the 2018 Operations Budget.

Reserve Accounts:

Capital & Depreciation Reserve: No budget appropriation from the Capital & Depreciation Reserve was anticipated for 2017. This reserve account is expected to increase by the \$56K that is committed annually to the Capital & Depreciation Reserve to replenish the funds expended on the new Administration Building in 2011. This will come out of the projected \$78,700 year-end plus.

Debt Reserve: The rate increases since 2015 are to fund the expected \$1.3 M annual CWSRF loan payments that will begin in 2018. Any surplus derived from the rate increase is proposed for assignment to the Debt Reserve to eventually accumulate a reserve equal to one year's debt payment. We will recommend that the remaining \$46,500 estimated surplus for 2017 be assigned to the Debt Reserve.

2017 Operating Expenses

We expect to come in over budget in the 2017 Operating Expenses (the division expense budgets) by \$35,800 (1.3%). The Collection and Pumping Division is projected to end the year \$7,500 under budget (1.0%). The Treatment Division is projected to end the year \$42,400 over budget (4.4%). The Administrative Division is expected to end the year at \$900 over budget (0.1%).

2017 Capital

The approved 2017 Capital budget totaled \$674,500. In May the Board approved an additional \$47,400 for the Boody Street line replacement, bringing the total for 2017 to \$721,900. Total capital expenditures for 2017 are expected to be \$606,100. The \$79,000 for the Union Street project is being deferred to 2018.

The 2017 portion of the Phase 1 Treatment Plant Upgrade was budgeted at \$8,600,000. This was funded with a \$22,000,000 MDEP Clean Water State Revolving Fund (CWSRF) loan through the Maine Municipal Bond Bank. We expect to expend \$6.4 M through the end of 2017.



2017 Budget Summary

In summary, not including the Treatment Plant Upgrade funding/expenditures, the 2017 Operations Budget is expected to end the year with an approximate surplus of \$102,55. Staff will request the surplus be assigned to reserve accounts.

2018 OPERATIONS BUDGET

USER RATES

The 2018 budget proposal includes increases to our user rates to become effective 01 April 2018. The detail of the changes to each Rate Schedule is as follows:

Rate Schedule I-Metered Use and Rate Schedule II-Flat Rate Fixtures: There are proposed increases for the Schedule I-Metered Use, and Schedule II-Flat Rate Fixtures. The current Metered Use rate would increase from \$66.05 per 1,000 cubic feet per quarter or from \$6.60 to \$7.26 per 100 cu. ft. On a per gallon basis, the rate will increase from \$0.0088 cents to \$0.0097 cents per gallon. Users will pay \$0.97 to discharge 100 gallons. The minimum use will remain at 800 cu. ft. per quarter for the Metered Use and Flat Rate Fixture and the charge will increase from \$52.80 to \$58.08 (8 x \$7.26). In summary, a 10% increase in Rate Schedules I & II.

Rate Schedule II-Roof Drains: As proposed, the minimum charge for roof drains for 1,000 square feet is to increase from \$66.05 to \$72.60 and the charge for each 100-sq. ft. increment thereafter to be \$7.26 from \$6.60. A 10% increase.

Rate Schedule IV-Catch Basins: We are proposing to increase the quarterly rate for Catch Basins from \$373.53 to \$410.88 per basin. An increase of 10%.

Rate Schedule V-Septic Tank and Holding Tank Waste: The revenue from septage haulers is expected to be 7.3% of 2018 Operating Revenue. As the destination for disposal is by choice of the haulers, the price is market driven and we do not want to discourage this revenue source that we have worked diligently over the past few years to increase. We are proposing no change to the disposal rates for septage or holding tank waste.

Rate Schedule VI-TSS and BOD Surcharge Rates: The sewer use surcharge rate for excessive TSS (Total Suspended Solids) is proposed to increase from \$1.01 per pound to \$1.11 per pound. The surcharge rate for excessive BOD (Biochemical Oxygen Demand) is proposed to increase from \$0.99 to \$1.09 per pound (both a 10% increase).



2018 Revenue

Operating Revenue: Operating Revenue for 2018 is estimated at \$3,970,300, an increase of \$257,400 (6.9%) above the estimated year-end for 2017.

The Operating Revenue projection is as follows:

- Residential: \$150,000 above year-end 2017. A projected increase of 9.0%.
- Commercial: \$104,000 above year-end 2017. A projected increase of 9.2%.
- Brunswick Landing: \$46,100 above year-end 2017. An increase of 11.8%.
- Topsham Sewer District: \$15,500 decrease (10.4%) from year-end 2017.
- Catch Basins and Roof Drains: an increase of \$2,100 over year-end 2017.
- Septage and Holding Tank: a marginal increase of \$2,200 from year-end 2017.

Non-Operating Revenues:

Jobbing and Contract Work revenue has been set at a total of \$56,200 with breakdown as follows:

- Town of Brunswick (maintenance and inspection of Mere Point) is set at \$6,500.
- Topsham Sewer District maintenance and inspection is set at \$30k.
- Brunswick Landing O&M revenue is projected at \$18,000. (Though depending on specifics, takeover of their system may eliminate the \$1,500/month jobbing revenue.)
- Miscellaneous Jobbing revenue has been set at \$4,400.
- Late Fees set at \$7,900.

Interest Income has been set at \$36,000. An increase of \$1,400 (4.0%) from year-end 2017.

Miscellaneous Income has been set at \$12,300. A decrease of \$6,000 from estimated year-end 2017. We do not expect to have a substantial surplus asset sales income (this assumes sale of the Church Road property occurs in 2017).

Entrance Charge revenues have been set at \$64,100, an increase of \$29,600 from year-end 2017. This is based on an uptick of development projects in late 2017, and takeover of Brunswick Landing's sewer system.

Donation of Capital Assets for now has been set at \$1,140,000. This includes Beacon Ridge, and portions of Botany Place, Church Road, and Meadowbrook Road. We expect the takeover of Brunswick Landing in 2018 and have included an asset value estimate.



2018 Appropriation of Funds

We expect to fund the regular Expense and Capital budgets from User Revenue. The Treatment Plant Upgrade costs for 2018 is estimated at \$1,800,000, funded from the \$22,000,000 loan from the Maine Department of Environmental Protection's Clean Water State Revolving Fund (CWSRF) loan through the Maine Municipal Bond Bank. The 2017 budget contained a \$200,000 appropriation from the Entrance Charge Fund for the expansion of the Headworks Building which costs have been paid through the CWSRF. We did not appropriate the funds in 2017, and propose to appropriate \$1,000,000 from the Entrance Charge Reserve to pay on the CWSRF loan payment in 2018. The total cost for the Headworks Building expansion was \$2,009,000. The 2018 CWSRF payment is \$1,280,094.

2018 Operating Expenses

Collection and Pumping Division: The 2017 budget was \$784,400. Year-end is estimated at \$776,900. The 2018 Division budget is proposed at \$881,800, a 13.5% increase over estimated year-end 2017. Approximately \$60,000 of the \$90,600 increase is to fill a staff position vacant since 2011. The balance is to fund major O&M projects that cannot be capitalized.

Treatment Division: The 2017 budget was \$957,700. Year-end is estimated at \$1,000,100. The 2018 budget is proposed at \$1,053,800, a 5.4% increase over the 2017 year-end projection. A new power contract for December 2017 through November 2020 will reduce power cost from \$0.077 to \$0.056 per kWh, a 26.8% decrease for an expected savings of \$20,000 for the Plant in 2018. The large increase from 2017 Budget is in the chemical costs, with \$22k for Polymer, \$21k for Hypochlorite, and \$23k for Bisulfate.

Administrative Division: The 2017 budget was \$995,200. Year-end is estimated at \$996,100. The 2018 Division budget is proposed at \$1,056,600, a 6.1% increase over year-end 2017.

It is important to understand that a several budget items are included in the Administrative Division budget that affect all the divisions but cannot easily be apportioned. They are: insurance costs -worker's comp and property & liability, \$68k; meter reading costs from the water district \$86k (up from \$78k); postage \$15k; trustee fees \$7k; and consulting fees - audit, legal, engineering \$44k. This skews the admin division budget when compared with the Operation Divisions.



General Information

Annual Economic Wage Adjustment and Merit: The 2018 budget includes an economic wage adjustment and merit. The economic adjustment [Cost-of-Living Adjustment] noted in the draft budget is **2.085%** based on the CPI data for the November 2016 to October 2017 timeframe. A Merit award (as determined by the performance evaluations) will average 2.6% across the board. Combined, this is **an average wage adjustment of 4.69% (4.41% in 2017)**. These adjustments have been included in the wages budget.

2018 Capital

The total 2018 portion of the Phase 1 Treatment Plant Upgrade is estimated at \$1.8M as we close out the upgrade project.

The 2018 portion of the 5-year Capital Improvement Plan (CIP) is budgeted at \$585,500. The major item is an upgrade to the Mill Street Pump Station estimated at \$500,000. A short section of mainline will be replaced on Maine Street for an estimated cost of \$6,500. The Union Street mainline replacement of some 620 l.f. is budgeted at \$79,000.

Bonds

The 2018 payment for the 2005 SRF Loan will total \$108,420 (Principal \$91,637, Interest \$16,783 [1.81% Int. Rate]).

The bond payment for the Administrative Office Building will total \$55,986 (Principal \$50,836, Interest \$5,070 [2.12% Int. Rate]).

For a 2018 total of \$164,315 for principal and interest.

Since 2012, \$56,000 of revenue is being dedicated to the Capital & Depreciation Reserve to replenish the \$475,000 used from this reserve for the Administrative Building.

The \$22,000,000 SRF loan schedule calls for the first full principal, interest, and fee payment of \$1,280,094. TSD will reimburse us approximately \$186,000 as their share.

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2018 BUDGET Summary

The 2018 Operations Budget as presented notes an expected surplus of \$111,600. This presumes an appropriation of \$1,000,000 from the Entrance Charge Reserve to pay towards the 2018 CWSRF payment. **Operating Revenues** are proposed to be \$254,400 more than year-end 2017. The key component will be the 10% average increase in the Rate Schedules. Total **Non-Operating Revenues** are expected to increase by \$126,200 over 2017 year-end. **Entrance Charge Revenues** are expected to increase by \$29,600. The net effect is an expected increase of \$380,600 (9.8%) in revenue from 2017.

Future Budgets

The Strategic Plan adopted in 2016 includes a 10-year projected rate schedule to finance the expected annual debt payment for the estimated \$22M Treatment Plant Upgrade project cost, and the 10-year capital improvement plan developed for 2017 to 2026. This continues the rate adjustments of 2015, 2016, and 2017. We plan to seek preliminary Board approval in December 2017 for the proposed 10% rate adjustment effective April 01, 2018. This proposed rate adjustment has been factored into the draft 2018 Operations Budget.

Respectfully Submitted for Your Consideration,

Leonard Blanchette
General Manager

Robert A. Pontau, P.E.
Asst. General Manager

Lorraine M. Caron
Finance Manager



GRAPHS & CHARTS APPENDIX

BRUNSWICK SEWER DISTRICT
2018 OPERATIONS BUDGET

December 21, 2017

**GRAPHS AND CHARTS
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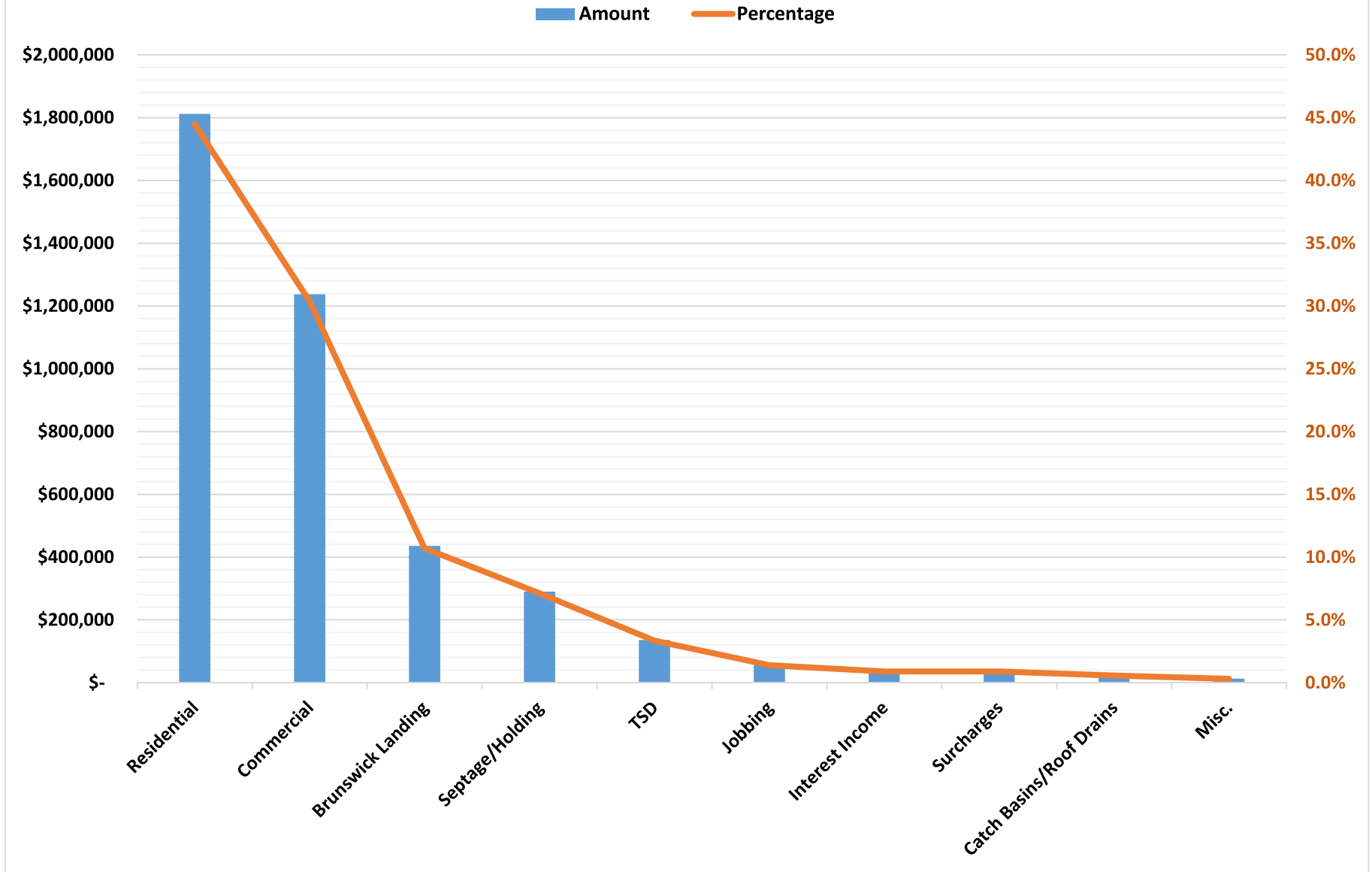
2018 OPERATIONS BUDGET CHARTS & GRAPHS

	Sheet #
Proposed Schedule of Rates: 2018	1
Estimated 2018 Revenue	2
Revenue Trends by Category 2009 - 2017	3
Annual Treatment Plant Electrical Usage & Cost	4
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Consumer Price Index -All Urban Consumers	6
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CWSRF Debt Service	8

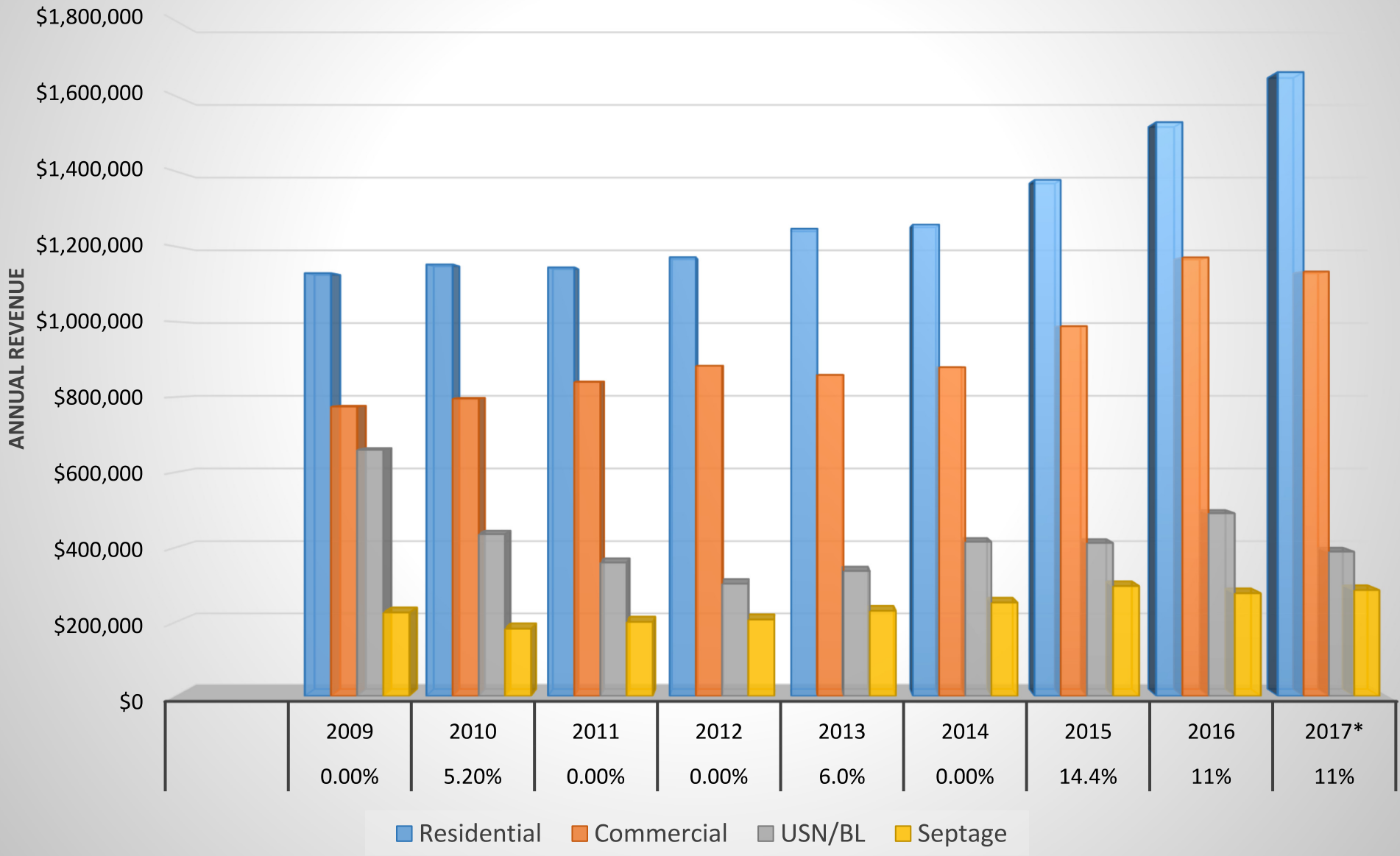
PROPOSED QUARTERLY USER RATES EFFECTIVE ON APRIL 01, 2018

		<u>2018</u>	<u>2017</u>	<u>\$</u>	<u>%</u>
Rate Schedule I					
<u>Metered Use</u>	Rate per 100 Cubic Feet	\$ 7.26	\$ 6.60	\$ 0.66	10.0%
	Minimum Charge (800 C.F.)	\$ 58.08	\$ 52.80	\$ 5.28	10.0%
	Rate per 1,000 Cubic Feet	\$ 72.60	\$ 66.00	\$ 6.60	10.0%
Rate Schedule II					
<u>Flat Rate</u>	Flat Rate*	\$ 87.12	\$ 52.80	\$ 34.32	65.0%
	For Consideration:				
	*(Proposes a Flat Rate equal to 150% of Metered Minimum Charge for all Flat Rate customers.)				
Rate Schedule III					
<u>Roof Drains</u>	Minimum charge (1,000 sq. ft.)	\$ 58.08	\$ 52.80	\$ 5.28	10.0%
	Rate thereafter per 100 cf	\$ 7.26	\$ 6.60	\$ 0.66	10.0%
Rate Schedule IV					
<u>Catch Basins</u>	Rate per catch basin	\$ 410.88	\$ 373.53	\$ 37.35	10.0%
Rate Schedule V					
<u>Septage Disposal</u>	Rate per disposal of 1,000 gallons	\$ 130.00	\$ 130.00	\$ -	0.0%
<u>Holding Waste</u>	Rate per disposal of 1,000 gallons	\$ 65.00	\$ 65.00	\$ -	0.0%
Rate Schedule VI					
<u>TSS Limits</u>	TSS rate per pound (lb) discharge	\$ 1.11	\$ 1.01	\$ 0.10	9.9%
<u>BOD Limits</u>	BOD rate per pound (lb) discharge	\$ 1.09	\$ 0.99	\$ 0.10	10.1%

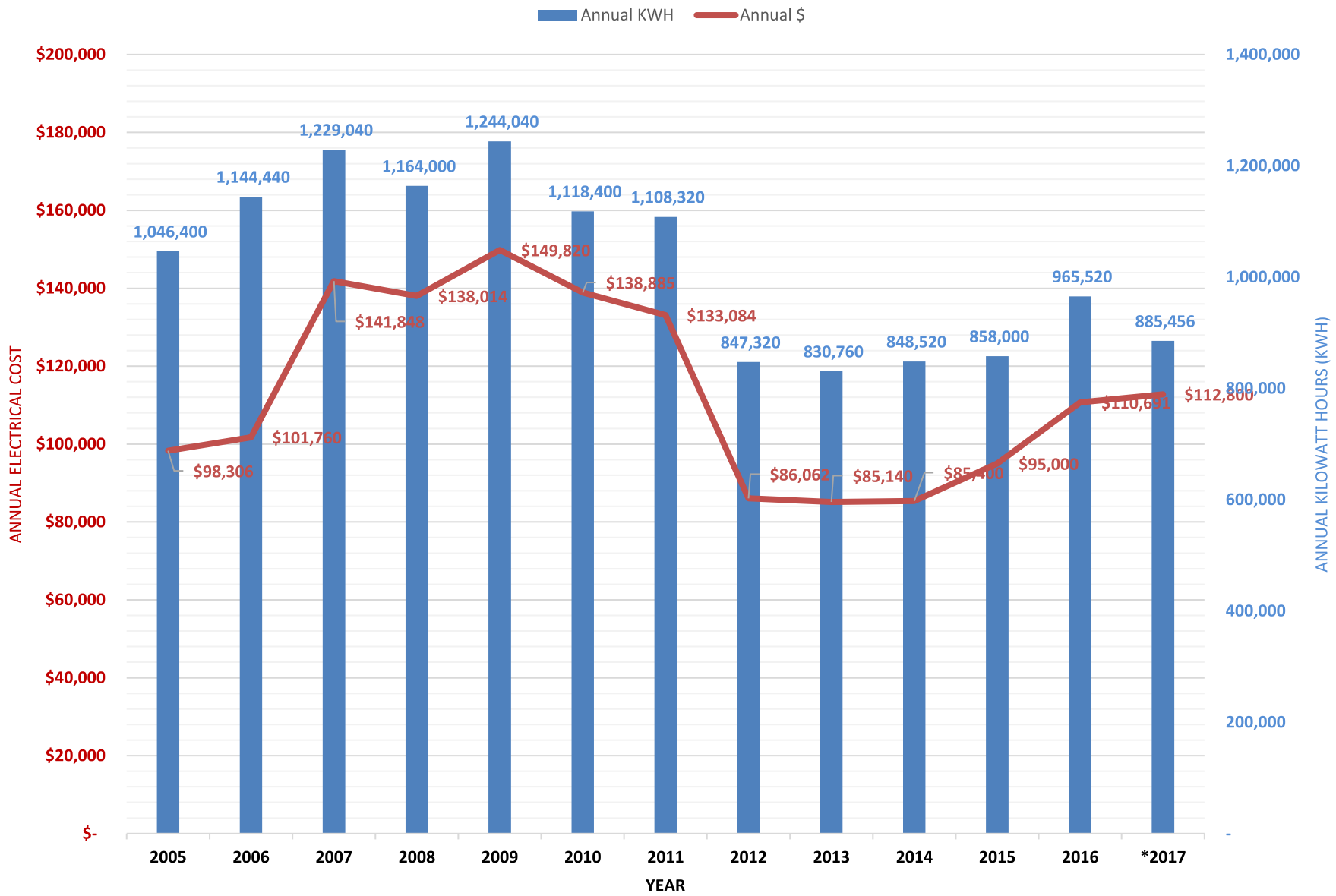
Brunswick Sewer District Estimated 2018 Revenue



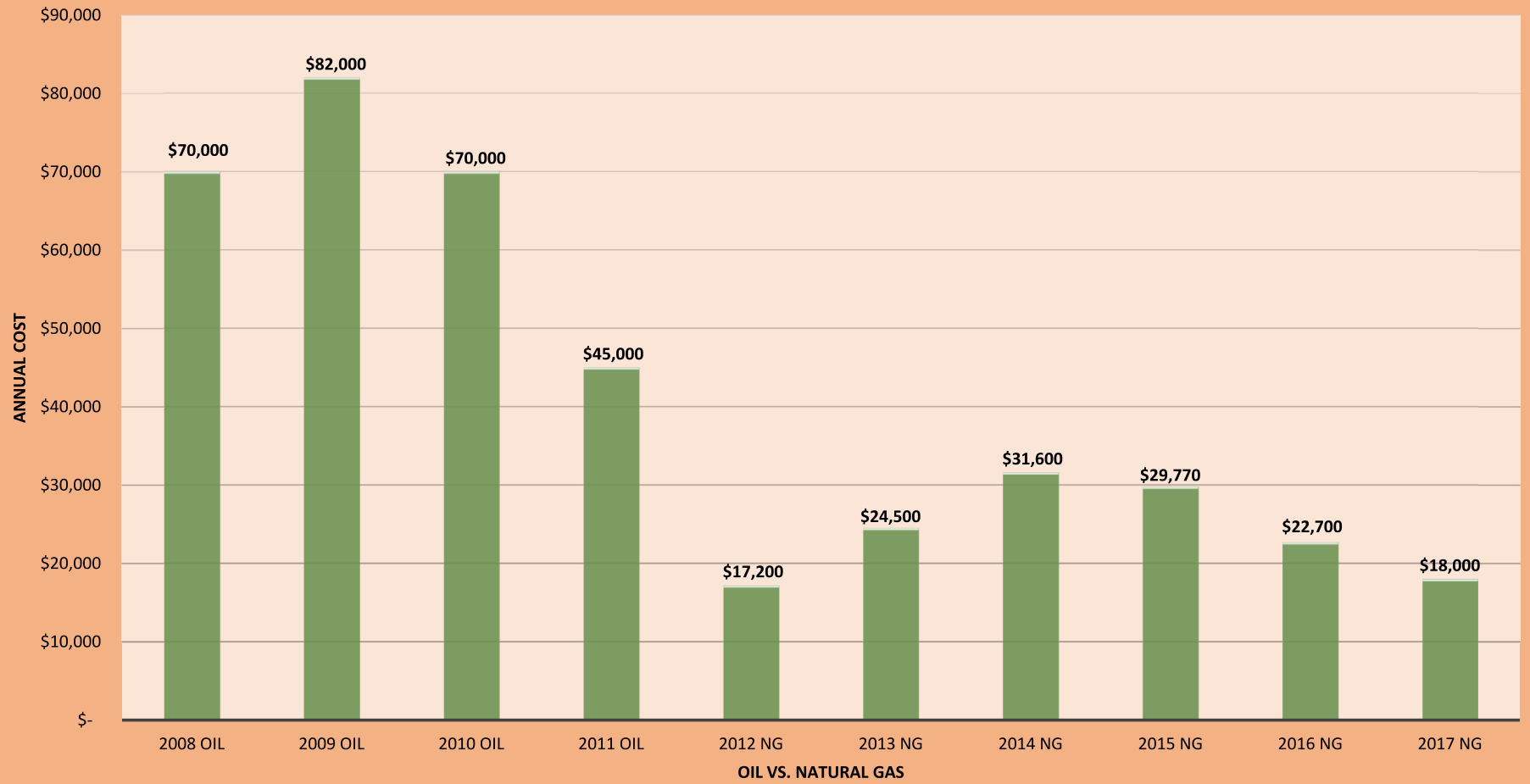
Brunswick Sewer District
Revenue Trends per Category
(with indicated Rate Changes)
2009 - 2017



Annual Treatment Plant Electical Usage (KWH) & Cost (\$)



Annual Heating Cost for Treatment Plant 2008 to 2017



Consumer Price Index - All Urban Consumers
Original Data Value

11/18/2017

Series Id: CUUR0000SA0
Not Seasonally Adjusted
Series Title: All items in U.S. city average, all urban
Area: U.S. city average
Item: All items
Base Period: 1982-84=100
Years: 2007 to 2017

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	HALF1	HALF2
2006	198.3	198.7	199.8	201.5	202.5	202.9	203.5	203.9	202.9	201.8	201.5	201.8	200.6	202.6
2007	202.416	203.499	205.352	206.686	207.949	208.352	208.299	207.917	208.490	208.936	210.177	210.036	205.709	208.976
2008	211.080	211.693	213.528	214.823	216.632	218.815	219.964	219.086	218.783	216.573	212.425	210.228	214.429	216.177
2009	211.143	212.193	212.709	213.240	213.856	215.693	215.351	215.834	215.969	216.177	216.330	215.949	213.139	215.935
2010	216.687	216.741	217.631	218.009	218.178	217.965	218.011	218.312	218.439	218.711	218.803	219.179	217.535	218.576
2011	220.223	221.309	223.467	224.906	225.964	225.722	225.922	226.545	226.889	226.421	226.230	225.672	223.598	226.280
2012	226.665	227.663	229.392	230.085	229.815	229.478	229.104	230.379	231.407	231.317	230.221	229.601	228.850	230.338
2013	230.280	232.166	232.773	232.531	232.945	233.504	233.596	233.877	234.149	233.546	233.069	233.049	232.366	233.548
2014	233.916	234.781	236.293	237.072	237.900	238.343	238.250	237.852	238.031	237.433	236.151	234.812	236.384	237.088
2015	233.707	234.722	236.119	236.599	237.805	238.638	238.654	238.316	237.945	237.838	237.336	236.525	236.265	237.769
2016	236.916	237.111	238.132	239.261	240.229	241.018	240.628	240.849	241.428	241.729	241.353	241.432	238.778	241.237
2017	242.839	243.603	243.801	244.524	244.733	244.955	244.786	245.519	246.819	246.663			244.076	

Formula:
$$\text{Adjustment} = \frac{(A - B)}{B} \times 100$$

A = The average of the twelve most recently published monthly indices.
 B = The average of the twelve published monthly indices for the same preceding period,

A = 244.252
 B = 239.264
 A - B = 4.989
 ÷ B = 0.02085
 x 100 = 2.085 %

<u>Date</u>	<u>Principal</u>	<u>Rate</u>	<u>Interest</u>	<u>MMBB Fee</u>	<u>MDEP Fee</u>	<u>Total</u>	<u>Annual Total</u>
4/1/2016			52,556	788	1,839	55,183	
10/1/2016			110,000	1,650	3,850	115,500	170,683
4/1/2017			110,000	1,650	3,850	115,500	
10/1/2017		1.00%	110,000	1,650	3,850	115,500	231,000
4/1/2018			110,000	1,650	3,850	115,500	
10/1/2018	999,137	1.00%	110,000	16,637	38,820	1,164,594	1,280,094
4/1/2019			105,004	1,575	3,675	110,255	
10/1/2019	1,009,128	1.00%	105,004	16,712	38,995	1,169,839	1,280,094
4/1/2020			99,959	1,499	3,499	104,957	
10/1/2020	1,019,220	1.00%	99,959	16,788	39,171	1,175,138	1,280,094
4/1/2021			94,863	1,423	3,320	99,606	
10/1/2021	1,029,412	1.00%	94,863	16,864	39,350	1,180,488	1,280,094
4/1/2022			89,716	1,346	3,140	94,201	
10/1/2022	1,039,705	1.00%	89,716	16,941	39,530	1,185,892	1,280,093
4/1/2023			84,517	1,268	2,958	88,743	
10/1/2023	1,050,103	1.00%	84,517	17,019	39,712	1,191,351	1,280,094
4/1/2024			79,267	1,189	2,774	83,230	
10/1/2024	1,060,604	1.00%	79,267	17,098	39,895	1,196,864	1,280,094
4/1/2025			73,964	1,109	2,589	77,662	
10/1/2025	1,071,210	1.00%	73,964	17,178	40,081	1,202,432	1,280,094
4/1/2026			68,607	1,029	2,401	72,038	
10/1/2026	1,081,923	1.00%	68,607	17,258	40,269	1,208,057	1,280,095
4/1/2027			63,198	948	2,212	66,358	
10/1/2027	1,092,741	1.00%	63,198	17,339	40,458	1,213,736	1,280,093
4/1/2028			57,734	866	2,021	60,621	
10/1/2028	1,103,669	1.00%	57,734	17,421	40,649	1,219,473	1,280,094
4/1/2029			52,216	783	1,828	54,827	
10/1/2029	1,114,705	1.00%	52,216	17,504	40,842	1,225,267	1,280,093
4/1/2030			46,642	700	1,632	48,974	
10/1/2030	1,125,853	1.00%	46,642	17,587	41,037	1,231,120	1,280,094
4/1/2031			41,013	615	1,435	43,064	
10/1/2031	1,137,111	1.00%	41,013	17,672	41,234	1,237,030	1,280,094
4/1/2032			35,327	530	1,236	37,094	
10/1/2032	1,148,482	1.00%	35,327	17,757	41,433	1,243,000	1,280,094
4/1/2033			29,585	444	1,035	31,064	
10/1/2033	1,159,967	1.00%	29,585	17,843	41,634	1,249,030	1,280,094
4/1/2034			23,785	357	832	24,974	
10/1/2034	1,171,566	1.00%	23,785	17,930	41,837	1,255,119	1,280,093
4/1/2035			17,927	269	627	18,824	
10/1/2035	1,183,283	1.00%	17,927	18,018	42,042	1,261,271	1,280,095
4/1/2036			12,011	180	420	12,611	
10/1/2036	1,195,115	1.00%	12,011	18,107	42,249	1,267,482	1,280,094
4/1/2037			6,035	91	211	6,337	
10/1/2037	1,207,066	1.00%	6,035	18,197	42,459	1,273,756	1,280,094
	\$ 22,000,000		\$ 2,765,296	\$ 371,479	\$ 866,785	\$ 26,003,560	\$ 26,003,560

Total P&I	26,003,560
Principal	22,000,000
Int & Fees	4,003,560
% of Principal	18.2