

GRAND BEND AREA JOINT SEWAGE OPERATIONS
Proposed 2018 Budget

	2017 BUDGET	2017 DRAFT YTD To Oct. 31	2017 Projection	2018 BUDGET	Budget Increase/Decrease			
OWNER CONTRIBUTION								
LAMBTON SHORES CONTRIBUTION	236,983.14	116,577.56	314,848.94	448,167.06	211,183.92			
SOUTH HURON CONTRIBUTION	186,827.55	95,327.80	248,213.68	301,075.33	114,247.78			
TOTAL REVENUE	423,810.69	211,905.36	563,062.61	749,242.39	325,431.70			
						Lambton Shores Share	South Huron Share	Basis of Cost Split
ADMINISTRATIVE AND GOVERNANCE								
GENERAL ADMIN CHARGE STF	3,784.20		3,784.20	3,859.88	75.68	2,497.34	1,362.54	1
INSURANCE STF	16,423.47	19,737.10	19,737.10	20,329.21	3,905.74	13,153.00	7,176.21	1
INSURANCE PS2 & FORCEMAIN	1,592.96			0.00	-1,592.96			
AUDIT	7,200.00		7,200.00	7,200.00	0.00	4,658.40	2,541.60	1
ACCOUNTING SERVICES	2,040.00		2,040.00	2,040.00	0.00	1,319.88	720.12	1
IT	500.00	120.59	300.00	500.00	0.00	323.50	176.50	1
SCADA SUPPORT STF	2,000.00		1,500.00	2,000.00	0.00	1,294.00	706.00	1
ENGINEERING STF	2,000.00	1,951.25	5,000.00	2,000.00	0.00	1,294.00	706.00	1
LEGAL	1,000.00	279.16	279.16	1,000.00	0.00	647.00	353.00	1
TAXES STF	77,966.76	5,045.64	77,966.76	79,526.10	1,559.34	51,453.38	28,072.71	1
TAXES PS2	1,749.30	1,206.02	1,749.30	1,784.29	34.99	892.14	892.14	2
Transfer to Capital Reserve Fund				205,000.00	205,000.00	132,635.00	72,365.00	
TOTAL PART A	116,256.69	28,339.76	119,556.52	325,239.48	208,982.79	210,167.65	115,071.83	
FIXED MTC & OPERATIONAL COSTS								
TELEPHONE STF	2,000.00	1,482.39	2,223.59	2,000.00	0.00	1,123.50	876.50	3
TELEPHONE PS2		1,171.05	1,756.58					
COMPUTER EXPENSE	500.00			500.00	0.00	280.88	219.12	3
BUILDING REPAIRS & MAINT. STF	20,000.00	5,167.25	20,000.00	20,000.00	0.00	11,235.01	8,764.99	3
GROUPS MAINTENANCE	3,000.00		3,000.00	3,000.00	0.00	1,685.25	1,314.75	3
ANNUAL PREVENTIVE MAINTENANCE *	10,176.00	8,479.90	10,176.00	10,176.00	0.00	5,716.37	4,459.63	3
WETLAND PEST CONTROL	1,000.00		1,000.00	1,000.00	0.00	561.75	438.25	3
TOTAL PART B	36,676.00	16,300.59	38,156.16	36,676.00	0.00	20,602.76	16,073.24	
VARIABLE OPERATIONAL COSTS (RELATED TO FLOWS)								
OMI ADMINISTRATIVE COSTS STF *	32,646.00	27,205.36	32,464.00	33,475.00	829.00	18,804.60	14,670.40	3
OPERATOR WAGES STF *	95,469.00	79,557.54	95,469.00	97,892.00	2,423.00	54,990.88	42,901.12	3
ELECTRICAL COSTS STF	60,000.00	105,743.40	136,000.00	138,507.92	78,507.92	77,806.89	60,701.02	3
ELECTRICAL COSTS PS2	13,000.00	9,965.56	14,948.33	13,000.00	0.00	7,125.14	5,874.86	4
UNION GAS STF	7,000.00	27,115.45	30,000.00	26,100.00	19,100.00	14,661.69	11,438.31	3
WATER STF	5,000.00	26,306.60	39,459.90	20,000.00	15,000.00	11,235.01	8,764.99	3
WATER PS2	1,000.00	163.80	245.70	500.00	-500.00	274.04	225.96	4
CHEMICALS *	42,892.00	35,743.10	42,892.00	43,981.00	1,089.00	24,706.35	19,274.65	4
LABORATORY SAMPLING *	13,871.00	13,238.14	13,871.00	13,871.00	0.00	7,792.04	6,078.96	4
TOTAL PART C	270,878.00	325,038.95	405,349.93	387,326.92	116,448.92	217,396.65	169,930.27	
TOTAL EXPENSES	423,810.69	369,679.30	563,062.61	749,242.39	325,431.70	448,167.06	301,075.33	

Legend for Basis of cost split

Capital split for plant (64.7% LS, 35.3% SH)	1
Capital split for PS2 (50% LS, 50% SH)	2
Flow Proportion to Plant	3
Flow Proportion to PS2	4

GRAND BEND AREA JOINT SEWAGE OPERATIONS
2018 Flow Calculations

2017 FLOW CALCULATION PROJECTION (m3)						
Month	PS2	POG	HC Playhouse	Pinery	Oakwood	Grand Cove
Jan	22336	1091	120	117	1524	12430
Feb	22755	954	144	109	1430	5888
Mar	18016	796	188	40	1337	7210
Apr	25117	1300	194	152	1838	9315
May	30826	1257	178	749	1973	10140
June	21113	461	503	2474	2034	6175
July	33687	381	370	4799	3460	6120
Aug	32056	690	421	6492	2961	4967
Sept	13569	418	215	2546	2239	5062
Oct	16718	388	133	651	2162	5635
Nov (2016)	14075	528	14	244	1872	7294
Dec (2016)	14997	336	20	146	1181	7294
Total	265265	8600	2500	18519	24011	87530.4
Avg Month	22105	717	208	1543	2001	7294
Avg Annual	265265	8600	2500	18519	24011	87530.4
7294 - Indicates estimates based on YTD average						

2018 FLOW CALCULATION ESTIMATE (m3)				
	2018 (3 YR AVG)	2017 (projection)	2016	2015
Main Pump (PS2)	247,507	265,265	249,452	227,804
GRAND COVE	90,190	87,530	91,520	91,520
OAKWOOD	21,661	24,011	22,570	18,403
Lambton Shores (PS2 - GC & Oakwood)	135,656	153,724	135,362	117,881
POG	6,963	8,600	6,720	5,568
HCP	1,817	2,500	1,684	1,266
Pinery	18,970	18,519	20,584	17,806
Grand Total Flows To GB plant (PS2 Flow Plus Remaining Sources)	275,256	294,884	278,440	252,444
MUNICIPAL TOTALS				
SOUTH HURON	120,631	122,641	122,494	116,757
LAMBTON SHORES	154,625	172,243	155,946	135,687
TOTAL	275,256	294,884	278,440	252,444

MUNICIPAL FLOW PROPORTIONMENT

	Lambton Shores	South Huron
PS2 Flow Proportions	54.81%	45.19%
GB Plant Proportions	56.18%	43.82%

Revenue Calculation			
	Total	Lambton Shores	South Huron
Part A - per agreement			
PS 2- 50% LS, 50% SH	1,784.29	892.14	892.14
Treatment Facility - 64.7% LS, 35.3% SH	323,455.19	209,275.51	114,179.68
Total Part A	325,239.48	210,167.65	115,071.83
Part B - Flow Based			
PS2	-	-	-
Plant	36,676.00	20,602.76	16,073.24
Total Part A	36,676.00	20,602.76	16,073.24
Part C - Flow Based			
PS2	13,500.00	7,399.18	6,100.82
Plant	354,326.92	199,043.33	155,283.59
Total Part C	367,826.92	206,442.51	161,384.40
Total	729,742.39	437,212.93	292,529.47