

GRAND BEND AREA JOINT SEWAGE OPERATIONS
Proposed 2019 Budget - September 2018 1st Draft

	2018 BUDGET	2018 DRAFT YTD To Aug.31	2018 Projection	2019 BUDGET	Budget Increase/Decrease			
OWNER CONTRIBUTION								
LAMBTON SHORES CONTRIBUTION	448,167.06	223,950.31		456,330.58	8,163.52			
SOUTH HURON CONTRIBUTION	301,075.33	150,670.88		283,740.32	-17,335.01			
TOTAL REVENUE	749,242.39	374,621.19		740,070.90	-9,171.49			
						Lambton Shores Share	South Huron Share	Basis of Cost Split
ADMINISTRATIVE AND GOVERNANCE								
GENERAL ADMIN CHARGE STF	3,859.88		3,859.88	3,937.08	77.19	2,547.29	1,389.79	1
INSURANCE STF	20,329.21	18,354.60	18,354.60	18,905.24	-1,423.98	12,231.69	6,673.55	1
INSURANCE PS2 & FORCEMAIN	-			0.00	0.00			
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			500.00	0.00	323.50	176.50	1
SCADA SUPPORT STF	2,000.00		2,000.00	2,000.00	0.00	1,294.00	706.00	1
ENGINEERING STF	2,000.00			2,000.00	0.00	1,294.00	706.00	1
LEGAL	1,000.00			1,000.00	0.00	647.00	353.00	1
TAXES STF	79,526.10	3,952.95	3,952.95	81,116.62	1,590.52	52,482.45	28,634.17	1
TAXES PS2	1,784.29	1,175.79	1,175.79	1,819.97	35.69	909.99	909.99	2
Transfer to Capital Reserve Fund	205,000.00		205,000.00	209,100.00	4,100.00	135,287.70	73,812.30	
TOTAL PART A	325,239.48	23,483.34	243,583.22	329,618.90	4,379.43	212,995.90	116,623.01	
FIXED MTC & OPERATIONAL COSTS								
TELEPHONE STF	2,000.00	1,309.01	2,000.00	2,000.00	0.00	1,186.77	813.23	3
TELEPHONE PS2		1,216.97	1,900.00	2,000.00		1,000.00	1,000.00	2
COMPUTER EXPENSE	500.00			500.00	0.00	296.69	203.31	3
BUILDING REPAIRS & MAINT. STF	20,000.00		15,000.00	20,000.00	0.00	11,867.66	8,132.34	3
GROUNDS MAINTENANCE	3,000.00		3,000.00	3,000.00	0.00	1,780.15	1,219.85	3
ANNUAL PREVENTIVE MAINTENANCE *	10,176.00	6,783.94	10,176.00	10,176.00	0.00	6,038.26	4,137.74	3
WETLAND PEST CONTROL	1,000.00		1,000.00	1,000.00	0.00	593.38	406.62	3
TOTAL PART B	36,676.00	9,309.92	33,076.00	38,676.00	0.00	22,762.91	15,913.09	
VARIABLE OPERATIONAL COSTS (RELATED TO FLOWS)								
OMI ADMINISTRATIVE COSTS STF *	33,475.00	22,316.55	33,475.00	34,325.00	850.00	20,367.87	13,957.13	3
OPERATOR WAGES STF *	97,892.00	65,261.33	97,892.00	100,378.00	2,486.00	59,562.58	40,815.42	3
ELECTRICAL COSTS STF	138,507.92	56,732.63	105,000.00	110,250.00	-28,257.92	65,420.46	44,829.54	3
ELECTRICAL COSTS PS2	13,000.00	5,942.24	9,000.00	9,450.00	-3,550.00	5,575.44	3,874.56	4
UNION GAS STF	26,100.00	27,707.43	37,000.00	38,850.00	12,750.00	23,052.92	15,797.08	3
WATER STF	20,000.00	10,998.54	17,000.00	18,000.00	-2,000.00	10,680.89	7,319.11	3
WATER PS2	500.00	187.65	300.00	500.00	0.00	295.00	205.00	4
CHEMICALS *	43,981.00	29,320.20	43,981.00	45,097.00	1,116.00	26,759.79	18,337.21	3
LABORATORY SAMPLING *	13,871.00	10,074.76	13,781.00	14,926.00	1,055.00	8,856.83	6,069.17	3
TOTAL PART C	387,326.92	228,541.33	357,429.00	371,776.00	-15,550.92	220,571.78	151,204.22	
TOTAL EXPENSES	749,242.39	261,334.59	634,088.22	740,070.90	-9,171.49	456,330.58	283,740.32	

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
2019 Flow Calculations

2018 FLOW CALCULATION PROJECTION (m3)						
Month	PS2	POG	HC Playhouse	Pinery	Oakwood	Grand Cove
Jan	28126	3743	115	22	1431	10453
Feb	28083	2060	129	36	1378	9662
Mar	17998	564	105	27	1315	8464
Apr	30773	1441	183	76	1952	8285
May	23009	460	180	806	1606	7318
June	22606	527	455	2706	2302	5077
July	30344	406	402	4909	2262	5001
Aug	29428	690	421	6492	2961	4967
Sept	20340	418	215	2546	2239	5062
Oct	17979	388	133	651	2162	5635
Nov (2016)	23093	851	103	24	1744	8570
Dec (2016)	17427	345	105	17	1477	6564
Total	289206	11893	2546	18312	22829	85058
Avg Month	24101	991	212	1526	1902	7088
Avg Annual	289206	11893	2546	18312	22829	85058
Indicates 2017 actual flows						

2018 FLOW CALCULATION ESTIMATE (m3)				
	2019 (3 YR AVG)	2018 (projection)	2017	2016
Main Pump (PS2)	271,729	289,206	276,530	249,452
GRAND COVE	88,218	85,058	88,076	91,520
OAKWOOD	23,193	22,829	24,179	22,570
Lambton Shores (PS2 - GC & Oakwood)	160,319	181,319	164,275	135,362
POG	9,182	11,893	8,932	6,720
HCP	2,301	2,546	2,674	1,684
Pinery	19,022	18,312	18,170	20,584
Grand Total Flows To GB plant (PS2 Flow Plus Remaining Sources)	302,234	321,957	306,306	278,440
MUNICIPAL TOTALS				
SOUTH HURON	122,894	122,326	123,861	122,494
LAMBTON SHORES	179,341	199,631	182,445	155,946
TOTAL	302,234	321,957	306,306	278,440

MUNICIPAL FLOW APROPORTIONMENT

	Lambton Shores	South Huron
PS2 Flow Proportions	59.00%	41.00%
GB Plant Proportions	59.34%	40.66%

Revenue Calculation			
	Total	Lambton Shores	South Huron
Part A - per agreement			
PS 2- 50% LS, 50% SH	1,819.97	909.99	909.99
Treatment Facility - 64.7% LS, 35.3% SH	327,798.93	212,085.91	115,713.02
Total Part A	329,618.90	212,995.90	116,623.01
Part B - Flow Based			
PS2	-	-	-
Plant	38,676.00	22,949.67	15,726.33
Total Part A	38,676.00	22,949.67	15,726.33
Part C - Flow Based			
PS2	9,950.00	5,870.44	4,079.56
Plant	344,326.00	204,317.14	140,008.86
Total Part C	354,276.00	210,187.58	144,088.42
Total	722,570.90	446,133.15	276,437.76