

GRAND BEND AREA JOINT SEWAGE OPERATIONS
2022 Budget - Draft

	2021 BUDGET	2021 DRAFT YTD To Aug. 31, 2021	2021 Projection	2022 BUDGET	Budget Increase/Decrease			
<u>OWNER CONTRIBUTION</u>								
LAMBTON SHORES CONTRIBUTION	435,215.08	217,607.54	435,215.08	468,497.21	33,282.13			
SOUTH HURON CONTRIBUTION	270,227.46	135,113.72	270,227.46	249,544.96	-20,682.50			
Intrest on Reserve		3,267.66	4,000.00					
TOTAL REVENUE	705,442.54	355,988.92	709,442.54	718,042.17	12,599.63			
						Lambton Shores Share	South Huron Share	Basis of Cost Split
<u>ADMINISTRATIVE AND GOVERNANCE</u>								
GENERAL ADMIN CHARGE STF	4,096.14		4,015.82	4,096.14	0.00	2,650.20	1,445.94	1
INSURANCE STF	23,315.69	23,109.84	23,109.84	25,420.82	2,105.13	16,447.27	8,973.55	1
AUDIT	7,490.88	880.75	7,490.88	7,640.70	149.82	4,943.53	2,697.17	1
ACCOUNTING SERVICES	2,122.42		2,122.42	2,164.87	42.45	1,400.67	764.20	1
IT	500.00	254.38	400.00	500.00	0.00	323.50	176.50	1
SCADA SUPPORT STF	2,000.00	2243.81	2,243.81	2,500.00	500.00	1,617.50	882.50	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
CAPITAL REPLACEMENT RESERVE	217,547.64	108,773.82	217,547.64	221,898.59	4,350.95	143,568.39	78,330.20	1
TAXES STF	42,707.30	20,934.95	42,707.30	43,561.45	854.15	21,780.72	21,780.72	2
TAXES PS2	1,186.45	1,124.83	1,124.83	1,210.18	23.73	782.99	427.19	1
RF INTEREST ALLOCATION		3,267.66	4,000.00					
TOTAL PART A	303,966.52	160,590.04	304,762.54	311,992.74	8,026.22	195,455.77	116,536.97	
<u>FIXED MTC & OPERATIONAL COSTS</u>								
TELEPHONE STF	2,000.00	881.44	1,500.00	2,000.00	0.00	1,294.00	706.00	1
TELEPHONE PS2	2,850.00	1,705.45	2,650.00	2,850.00	0.00	1,425.00	1,425.00	2
COMPUTER EXPENSE	500.00	436.53	500.00	500.00	0.00	336.67	163.33	3
BUILDING REPAIRS & MAINT. STF	25,000.00	17554.5	25,000.00	30,000.00	5,000.00	20,199.93	9,800.07	3
GROUPS MAINTENANCE	2,000.00	69.52	100.00	1,000.00	-1,000.00	673.33	326.67	3
ANNUAL PREVENTIVE MAINTENANCE *	10,176.00	7,632.18	10,176.00	10,176.00	0.00	6,851.82	3,324.18	3
WETLAND PEST CONTROL	1,000.00	2544	2,544.00	1,000.00	0.00	673.33	326.67	3
TOTAL PART B	43,526.00	30,823.62	42,470.00	47,526.00	4,000.00	31,454.07	16,071.93	
<u>VARIABLE OPERATIONAL COSTS (RELATED TO FLOWS)</u>								
OMI ADMINISTRATIVE COSTS STF *	35,021.72	26,266.32	35,021.72	36,683.46	1,661.74	24,700.11	11,983.35	3
OPERATOR WAGES STF *	90,704.79	68,028.57	90,704.79	93,020.85	2,316.06	62,633.81	30,387.04	3
OPERATOR WAGES PS2					0.00			
ELECTRICAL COSTS STF	105,000.00	48,525.30	90,000.00	100,000.00	-5,000.00	67,333.09	32,666.91	3
ELECTRICAL COSTS PS2	9,500.00	8,351.16	10,000.00	9,500.00	0.00	6,571.74	2,928.26	4
UNION GAS STF	38,850.00	9,229.12	25,000.00	38,850.00	0.00	26,158.91	12,691.09	3
WATER STF	16,000.00	19,664.69	25,000.00	16,000.00	0.00	10,773.29	5,226.71	3
WATER PS2	400.00	246.86	250.00	400.00	0.00	276.70	123.30	4
CHEMICALS *	54,100.70	40,575.60	54,100.70	55,482.60	1,381.90	37,358.15	18,124.45	3
LABORATORY SAMPLING *	8,372.81	6,279.66	8,372.81	8,586.51	213.70	5,781.56	2,804.95	3
TOTAL PART C	357,950.02	227,167.28	338,450.02	358,523.43	573.41	241,587.37	116,936.06	
TOTAL EXPENSES	705,442.54	418,580.94	685,682.56	718,042.17	12,599.63	468,497.21	249,544.96	

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
2022 Flow Calculations

2021 FLOW CALCULATION PROJECTION (m3)						
Month	PS2	POG	HC Playhouse	Pinery	Oakwood	Grand Cove
Jan	19278	1292	39	55	425	5768
Feb	16699	501	16	43	435	4309
Mar	24638	1786	53	77	600	7113
Apr	20273	590	32	87	550	6275
May	18842	358	42	150	507	4937
June	23113	760	34	1895	1206	5158
July	37712	1749	74	6234	2450	4773
Aug	28169	32	15	4890	2087	5496
Sept	28074	1207	24	1390	1596	3774
Oct	21517	1760	146	590	962	4466
Nov	22707	1069	42	135	739	4753
Dec	20329	1435	37	42	495	5472
Total Annual	281351	12539	554	15588	12052	62294
Avg Month	23446	1045	46	1299	1004	5191
Indicates 2020 actual flows						

2022 FLOW CALCULATION ESTIMATE (m3)				
	2022 (3 YR AVG)	2021 (projection)	2020	2019
Main Pump (PS2)	280,824	281,351	278,077	283,045
GRAND COVE	71,020	62,294	62,892	87,875.36
OAKWOOD	15,540	12,052	13,044	21,525
Lambton Shores (PS2 - GC & Oakwood)	194,264	207,005	202,141	173,645
POG	12,863	12,539	14,175	11,875
HCP	900	554	609	1,536
Pinery	12,523	15,588	8,218	13,764
Grand Total Flows To GB plant (PS2 Flow Plus Remaining Sources)	307,110	310,032	301,079	310,220
MUNICIPAL TOTALS				
SOUTH HURON	100,323	87,439	90,720	122,811
LAMBTON SHORES	206,787	222,593	210,359	187,409
TOTAL	307,110	310,032	301,079	310,220

MUNICIPAL FLOW APROPORTIONMENT

	Lambton Shores	South Huron
PS2 Flow Proportions	69.18%	30.82%
GB Plant Proportions	67.33%	32.67%

Revenue Calculation			
	Total	Lambton Shores	South Huron
Part A - per agreement			
PS 2- 50% LS, 50% SH	43,561.45	21,780.72	21,780.72
Treatment Facility - 64.7% LS, 35.3% SH	268,431.30	173,675.05	94,756.25
Total Part A	311,992.74	195,455.77	116,536.97
Part B - Per Agreement \ Flow Based			
PS2 - per agreement	2,850.00	1,425.00	1,425.00
Plant - per agreement	2,000.00	1,294.00	706.00
Plant - Flow based	42,676.00	28,735.07	13,940.93
Total Part B	47,526.00	31,454.07	16,071.93
Part C - Flow Based			
PS2	9,900.00	6,848.44	3,051.56
Plant	348,623.43	234,738.93	113,884.50
Total Part C	358,523.43	241,587.37	116,936.06
Total	718,042.17	468,497.21	249,544.96