

GRAND BEND AREA JOINT SEWAGE OPERATIONS
2023 Flow Calculations

2023 FLOW CALCULATION PROJECTION (m3)						
Month	PS2	POG	HC Playhouse	Pinery	Oakwood	Grand Cove
Jan	15576	372	26	35	428	6253
Feb	21801	2210	45	45	778	7747
Mar	26822	2095	74	69	1052	7752
Apr	18113	739	57	155	734	7315
May	21882	1741	70	928	808	5672
June	26059	884	211	1986	1324	4109
July	28137	435	230	4909	1828	3792
Aug	33241	922	347	5447	1743	4194
Sept	32273	3085	90	2873	1588	7056
Oct	27734	1921	77	1129	1369	6315
Nov	20593	969	54	1129	947	6175
Dec	20006	1154	37	1129	775	6323
Total Annual	292237	16527	1318	19834	13374	72703
Avg Month	24353	1377	110	1653	1115	6059
Indicates 2021 actual flows						

2023 FLOW CALCULATION ESTIMATE (m3)				
	2023 (3 YR AVG)	2022 (projection)	2021	2020
Main Pump (PS2)	286,548	292,237	289,330	278,077
GRAND COVE	68,431	72,703	69,698	62,892
OAKWOOD	13,119	13,374	12,939	13,044
Lambton Shores (PS2 - GC & Oakwood)	204,998	206,160	206,693	202,141
POG	14,966	16,527	14,197	14,175
HCP	830	1,318	563	609
Pinery	15,914	19,834	19,691	8,218
Grand Total Flows To GB plant (PS2 Flow Plus Remaining Sources)	318,259	329,916	323,781	301,079
MUNICIPAL TOTALS				
SOUTH HURON	97,346	103,922	97,397	90,720
LAMBTON SHORES	220,912	225,994	226,384	210,359
TOTAL	318,259	329,916	323,781	301,079

MUNICIPAL FLOW APROPORTIONMENT

	Lambton Shores	South Huron
PS2 Flow Proportions	71.54%	28.46%
GB Plant Proportions	69.41%	30.59%

Revenue Calculation			
	Total	Lambton Shores	South Huron
Part A - per agreement			
PS 2- 50% LS, 50% SH	44,432.68	22,216.34	22,216.34
Treatment Facility - 64.7% LS, 35.3% SH	279,563.17	180,877.37	98,685.80
Total Part A	323,995.85	203,093.71	120,902.14
Part B - Per Agreement \ Flow Based			
PS2 - per agreement	2,907.00	1,453.50	1,453.50
Plant - per agreement	2,040.00	1,319.88	720.12
Plant - Flow based	42,676.00	29,622.62	13,053.38
Total Part B	47,623.00	32,396.00	15,227.00
Part C - Flow Based			
PS2	14,350.00	10,266.07	4,083.93
Plant	347,911.19	241,494.99	106,416.20
Total Part C	362,261.19	251,761.06	110,500.13
Total	733,880.04	487,250.77	246,629.28