

Applewood Sanitation District Rate Study
Sewer Rates Model

Year	Sewer Rate Increase	Proposed Yearly Sewer Rate	% SFE Increase	% Tap Fee Increase	% Treatment Increase	Inflation Factor	Residential	Non-Residential	Multi-Family	Totals
2017	0.0%	350.00	0.19%	0.00%	0.00%	0.00%	97	72	-	169.0
2018	0.0%	350.00	0.00%	0.00%	3.00%	3.00%	99	63	-	162.0
2019	0.0%	350.00	0.00%	0.00%	3.00%	3.00%	1,000	68	-	1,068.0
2020	3.0%	360.00	0.00%	0.00%	3.00%	3.00%	1,000	76	-	1,076.0
2021	0.0%	360.00	0.00%	0.00%	3.00%	3.00%	1,001	93	132	1,226.0
2022	0.0%	360.00	0.00%	0.00%	3.00%	3.00%	1,003	81	310	1,394.4
2023	3.0%	370.00	0.00%	0.00%	3.00%	3.00%	1,021	160	310	1,491.0
2024	0.0%	370.00	0.00%	0.00%	3.00%	3.00%	1,025	160	310	1,495.0
2025	0.0%	370.00	0.00%	0.00%	3.00%	3.00%	1,025	160	310	1,495.0
2026	3.0%	381.00	0.00%	0.00%	3.00%	3.00%	1,025	160	310	1,495.0
2027	0.0%	381.00	0.00%	0.00%	3.00%	3.00%	1,025	160	310	1,495.0

Table 3-1C: Yearly Rate Increase Effects on Revenue

Year	Property & Ownership Tax	Admin Expenses	Transfer to/from Funds	General Fund Income/(Loss)	User Fee Revenue	Connection Revenue (Tap Fee)	Misc Revenue	Treatment Costs	Maintenance Expenses	Transfer to/from Funds	Sanitation Fund Income/(Loss)	New Construction & other Income	Capital Improvements Expenditures	Transfer to/from Funds	Capital Improvement Fund Income/Loss
2016	160,574	128,506		32,068	297,467	8,440	8,327	169,713	71,312		73,209	900	-		-
2017	166,150	131,998		34,152	379,002	8,440	29,985	218,356	72,926		126,145	11,243	-		11,243
2018	169,275	117,935		51,340	377,142	4,220	(8,905)	171,469	76,072		124,916	20,981	-		20,981
2019	176,260	116,555	(45,000)	14,705	378,319	-	91,707	223,173	93,915	(95,000)	57,938	295,000	25,497	140,000	409,503
2020	181,092	147,700	(25,000)	8,392	392,681	1,400,904	15,792	200,360	104,837	(1,375,000)	129,180	193,658	5,328	1,400,000	1,588,330
PROJ 2021	180,228	138,090	(40,000)	2,138	441,368	50,390	7,650	257,803	121,401	(560,000)	(439,796)	201,000	230,000	600,000	571,000
BUD 2022	194,706	159,590	(40,000)	(4,884)	501,984	117,750	12,830	277,873	143,600	40,000	251,091	211,000	790,000		(579,000)
2023	233,647	183,529		50,119	551,670	-	13,215	416,810	147,908		167		300,000		
2024	240,657	211,058		29,599	553,150	-	13,611	429,314	152,345		(14,898)		250,000		
2025	247,876	217,390		30,487	553,150	-	14,020	442,193	156,916		(31,939)		160,000		
2026	255,313	223,911		31,401	569,595	-	14,440	455,459	161,623		(33,047)		42,503		
2027	262,972	230,629		32,343	569,595	-	14,873	469,123	166,472		(51,126)		17,500		

1,820,828

Orig Est of CIP thru 2027 1,519,500

Year	Total Revenue	Total Expenditures	Transfer to/from Funds	Contingency	Yearly Net Revenue	Transferred to Cap Assets or Emergency Fund	Prudent Reserve
2016	475,708	(369,531)		-	106,177	-	1,124,201
2017	594,820	(434,523)		-	160,297	(318,194)	966,304
2018	562,713	(365,476)		-	197,237	(224,735)	938,806
2019	941,287	(459,140)	-	-	482,147	(234,639)	1,186,313
2020	2,184,127	(458,225)	-	-	1,725,902	(185,861)	2,728,554
Proj 2021	880,636	(747,294)	-	-	133,342	-	2,859,896
BUD 2022	1,038,270	(1,371,063)		(60,000)	(392,793)	-	2,467,103
2023	798,532	(1,048,246)		(60,000)	(309,714)	-	2,157,389
2024	807,418	(1,042,717)		(60,000)	(295,299)	-	1,862,090
2025	815,046	(976,498)		(60,000)	(221,452)	-	1,640,638
2026	839,348	(883,496)		(60,000)	(104,148)	-	1,536,489
2027	847,440	(883,723)		(60,000)	(96,283)	-	1,440,207

	2022	2023
Sanitation fund		
Estimated expend	421,473	564,718
Capital Improvements		
Est. reserve increase	200,000	200,000
Revenue needed	621,473	764,718
Budgeted		
Residential Fees	361,080	377,770
Multi Family Fees	111,600	111,600
Non-Residentials	29,304	59,200
Inspection Fees	11,800	5,000
Estimated Revenue	513,784	553,570
Overage/Shortage	(107,689)	(211,148)