

# LPP Financing with repayment scenarios impact fees and operating cost

- Conclusions:**
1. With a \$10k/new household impact fee increase and \$750/yr/household fee
  2. The impact fees basically cover the operating/maintenance costs

**Assumptions:** In blue

**Variable values:** In red

Year	Pop (150,000 in 2015, growing @ 3% per yr)	# House holds (pop/3 people per household)	# New House holds (increased pop/3 people per household)	Increased impact fees (set at \$10,000 per new household) (Increase started in 2020)	Increased rates/taxes (Set at \$1250 per yr per household) (Increase started in 2025)	Total Payment (= impact fees + rates/taxes)	LPP Operating & Maintenance Costs (Assume \$50M+ 3% inflation)
2020	174,000	58,000		0	0	0	0
2021	179,220	59,740	1,740	17,400,000	0	17,400,000	50,000,000
2022	184,597	61,532	1,792	17,922,000	0	17,922,000	51,500,000
2023	190,134	63,378	1,846	18,459,660	0	18,459,660	53,045,000
2024	195,839	65,280	1,901	19,013,450	0	19,013,450	54,636,350
2025	201,714	67,238	1,958	19,583,853	84,047,370	103,631,224	56,275,441
2026	207,765	69,255	2,017	20,171,369	86,568,791	106,740,160	57,963,704
2027	213,998	71,333	2,078	20,776,510	89,165,855	109,942,365	59,702,615
2028	220,418	73,473	2,140	21,399,805	91,840,831	113,240,636	61,493,693
2029	227,031	75,677	2,204	22,041,799	94,596,056	116,637,855	63,338,504
2030	233,841	77,947	2,270	22,703,053	97,433,938	120,136,991	65,238,659
2031	240,857	80,286	2,338	23,384,145	100,356,956	123,741,101	67,195,819
2032	248,082	82,694	2,409	24,085,669	103,367,664	127,453,334	69,211,694
2033	255,525	85,175	2,481	24,808,239	106,468,694	131,276,934	71,288,044
2034	263,191	87,730	2,555	25,552,487	109,662,755	135,215,242	73,426,686
2035	271,086	90,362	2,632	26,319,061	112,952,638	139,271,699	75,629,486
2036	279,219	93,073	2,711	27,108,633	116,341,217	143,449,850	77,898,371
2037	287,595	95,865	2,792	27,921,892	119,831,453	147,753,345	80,235,322
2038	296,223	98,741	2,876	28,759,549	123,426,397	152,185,946	82,642,382
2039	305,110	101,703	2,962	29,622,335	127,129,189	156,751,524	85,121,653
2040	314,263	104,754	3,051	30,511,005	130,943,065	161,454,070	87,675,303
2041	323,691	107,897	3,143	31,426,335	134,871,356	166,297,692	90,305,562
2042	333,402	111,134	3,237	32,369,126	138,917,497	171,286,623	93,014,729
2043	343,404	114,468	3,334	33,340,199	143,085,022	176,425,221	95,805,170
2044	353,706	117,902	3,434	34,340,405	147,377,573	181,717,978	98,679,326
2045	364,317	121,439	3,537	35,370,617	151,798,900	187,169,517	101,639,705
2046	375,247	125,082	3,643	36,431,736	156,352,867	192,784,603	104,688,896
2047	386,504	128,835	3,752	37,524,688	161,043,453	198,568,141	107,829,563
2048	398,099	132,700	3,865	38,650,429	165,874,756	204,525,185	111,064,450
2049	410,042	136,681	3,981	39,809,942	170,850,999	210,660,941	114,396,384
2050	422,344	140,781	4,100	41,004,240	175,976,529	216,980,769	117,828,275
2051	435,014	145,005	4,223	42,234,367	181,255,825	223,490,192	121,363,124
2052	448,064	149,355	4,350	43,501,398	186,693,500	230,194,898	125,004,017
2053	461,506	153,835	4,481	44,806,440	192,294,305	237,100,745	128,754,138
2054	475,352	158,451	4,615	46,150,633	198,063,134	244,213,767	132,616,762
2055	489,612	163,204	4,754	47,535,152	204,005,028	251,540,180	136,595,265
2056	504,300	168,100	4,896	48,961,207	210,125,179	259,086,385	140,693,123
2057	519,429	173,143	5,043	50,430,043	216,428,934	266,858,977	144,913,916
2058	535,012	178,337	5,194	51,942,944	222,921,802	274,864,746	149,261,334

2059	551,063	183,688	5,350	53,501,233	229,609,456	283,110,689	153,739,174
2060	567,595	189,198	5,511	55,106,269	236,497,740	291,604,009	158,351,349
2061	584,622	194,874	5,676	56,759,458	243,592,672	300,352,130	163,101,890
2062	602,161	200,720	5,846	58,462,241	250,900,452	309,362,694	167,994,946
2063	620,226	206,742	6,022	60,216,109	258,427,466	318,643,574	173,034,795
2064	638,833	212,944	6,202	62,022,592	266,180,290	328,202,882	178,225,839
2065	657,998	219,333	6,388	63,883,270	274,165,699	338,048,968	183,572,614
2066	677,738	225,913	6,580	65,799,768	282,390,669	348,190,437	189,079,792
2067	698,070	232,690	6,777	67,773,761	290,862,390	358,636,150	194,752,186
2068	719,012	239,671	6,981	69,806,973	299,588,261	369,395,235	200,594,751
2069	740,582	246,861	7,190	71,901,183	308,575,909	380,477,092	206,612,594
2070	762,800	254,267	7,406	74,058,218	317,833,186	391,891,405	212,810,972
2071	785,684	261,895	7,628	76,279,965	327,368,182	403,648,147	219,195,301
2072	809,254	269,751	7,857	78,568,364	337,189,227	415,757,591	225,771,160
2073	833,532	277,844	8,093	80,925,415	347,304,904	428,230,319	232,544,295
2074	858,538	286,179	8,335	83,353,177	357,724,051	441,077,228	239,520,624
2075	884,294	294,765	8,585	85,853,772	368,455,773	454,309,545	246,706,242

**Totals**

**2,367,646,183**

**9,848,735,857**

**12,216,382,040**

**6,803,580,986**

**244,327,641**

S

increase, the debt is paid in 2073.

<b>Interest</b> (4%/yr of total owed amount, compounding yearly)	<b>Total owed</b> (= previous year total owed + operating costs+ interest - total payment, starting with \$1.5B bond in 2020) (Set \$1.5B debt starting in 2020)
0	1,500,000,000
60,000,000	1,592,600,000
63,704,000	1,689,882,000
67,595,280	1,792,062,620
71,682,505	1,899,368,025
75,974,721	1,927,986,963
77,119,479	1,956,329,985
78,253,199	1,984,343,434
79,373,737	2,011,970,228
80,478,809	2,039,149,686
81,565,987	2,065,817,342
82,632,694	2,091,904,754
83,676,190	2,117,339,304
84,693,572	2,142,043,987
85,681,759	2,165,937,190
86,637,488	2,188,932,465
87,557,299	2,210,938,285
88,437,531	2,231,857,793
89,274,312	2,251,588,540
90,063,542	2,270,022,211
90,800,888	2,287,044,332
91,481,773	2,302,533,975
92,101,359	2,316,363,440
92,654,538	2,328,397,927
93,135,917	2,338,495,191
93,539,808	2,346,505,187
93,860,207	2,352,269,688
94,090,788	2,355,621,898
94,224,876	2,356,386,039
94,255,442	2,354,376,924
94,175,077	2,349,399,507
93,975,980	2,341,248,419
93,649,937	2,329,707,475
93,188,299	2,314,549,167
92,581,967	2,295,534,128
91,821,365	2,272,410,578
90,896,423	2,244,913,739
89,796,550	2,212,765,227
88,510,609	2,175,672,424

87,026,897	2,133,327,806
85,333,112	2,085,408,258
83,416,330	2,031,574,348
81,262,974	1,971,469,575
78,858,783	1,904,719,578
76,188,783	1,830,931,318
73,237,253	1,749,692,217
69,987,689	1,660,569,260
66,422,770	1,563,108,066
62,524,323	1,456,831,906
58,273,276	1,341,240,684
53,649,627	1,215,809,879
48,632,395	1,079,989,428
43,199,577	933,202,574
37,328,103	774,844,653
30,993,786	604,281,834
24,171,273	420,849,805

**4,333,650,858**