

Hilltop Estimates as of	1/30/2022	
Est. POB All In TIC	4.39%	Level \$ Debt Service from first year
Segal Scenario #	27	
POB Proceeds	500,000,000	
Est. POB Par	505,055,000	
Amortization	25	
Discount Rate	7.00%	
Contrib Chg in	2023	

13	14	15	16 = 14 + 15	17	18	19	20	21	22	23	24	25 = 24 + 16	26	27	28
Fiscal		Remaining	Debt Service				Current 5% Incr UAL	25 Year, 3% Incr UAL	= 20 - 16	= 21 - 16		Debt Service	UAL + DS +	UAL +	Additional
Year	\$500 MH	UAL PMT	+ Remaining		Year End	Year End	19 Year Amort	Reamortized	Difference	Difference		+ Remaining	Normal Cost	Debt Service	Normal Cost
Ended	POB	3% Trend	UAL Pmts	Funded	Unfunded	Actuarial Value	No POB	No POB	vs Current	25 Year, 3% Incr	Employer	UAL Pmts	Annual	Annual	vs
June 30:	Debt Service	25 Years	7% Returns	Ratio	Liability	of Assets	7% Returns	7% Returns	19 Year Amort	Reamortized	Normal Cost	+ Normal Cost	Increase	Increase	7.00%
2022	-	80,357,897	80,357,897	25.06%	1,253,349,086	419,029,525	80,357,897	80,357,897	-	-	12,786,705	93,144,602			-
2023	33,087,214	49,122,921	82,210,134	55.73%	757,180,539	953,375,236	85,141,104	81,684,377	2,930,970	(525,757)	12,725,327	95,375,918	2.4%	2.3%	-
2024	33,182,032	50,349,805	83,531,837	56.75%	756,922,426	993,142,642	89,389,867	83,888,105	5,858,030	356,268	13,153,161	97,125,455	1.8%	1.6%	-
2025	33,178,725	51,435,071	84,613,796	57.94%	752,911,835	1,037,377,861	93,660,891	85,979,520	9,047,095	1,365,724	13,595,284	98,649,537	1.6%	1.3%	-
2026	33,180,743	52,131,609	85,312,352	59.48%	741,729,996	1,088,889,844	97,668,849	87,712,392	12,356,498	2,400,040	14,052,170	99,804,979	1.2%	0.8%	-
2027	33,180,448	53,695,557	86,876,005	60.40%	741,079,030	1,130,173,785	102,845,298	90,343,763	15,969,293	3,467,758	14,524,308	101,840,770	2.0%	1.8%	-
2028	33,178,651	55,306,424	88,485,075	61.36%	738,818,548	1,173,433,031	108,296,099	93,054,076	19,811,024	4,569,001	15,012,206	103,937,738	2.1%	1.9%	-
2029	33,182,797	56,965,617	90,148,414	62.39%	734,788,966	1,218,769,036	114,035,792	95,845,699	23,887,378	5,697,285	15,516,387	106,105,258	2.1%	1.9%	-
2030	33,181,345	58,674,585	91,855,930	63.48%	728,818,119	1,266,695,218	120,079,689	98,721,070	28,223,759	6,865,139	16,037,390	108,333,777	2.1%	1.9%	-
2031	33,180,110	60,434,823	93,614,933	64.64%	720,720,345	1,317,396,691	126,443,913	101,682,702	32,828,980	8,067,769	16,575,774	110,631,164	2.1%	1.9%	-
2032	33,182,243	62,247,867	95,430,110	65.88%	710,295,490	1,371,216,760	133,145,440	104,733,183	37,715,330	9,303,073	17,132,117	112,562,227	1.7%	1.9%	-
2033	33,179,563	64,115,303	97,294,866	67.18%	697,768,307	1,428,562,687	140,202,148	107,875,178	42,907,282	10,580,312	17,707,013	115,001,879	2.2%	2.0%	-
2034	33,178,875	66,038,762	99,217,637	68.59%	682,496,785	1,490,613,995	148,486,862	111,111,433	48,415,224	11,893,796	18,301,078	117,518,715	2.2%	2.0%	-
2035	33,180,485	68,019,925	101,200,410	70.11%	664,232,797	1,558,185,892	155,457,403	114,444,776	54,256,993	13,244,366	18,914,947	120,115,357	2.2%	2.0%	-
2036	33,181,305	70,060,523	103,241,828	71.74%	642,709,168	1,631,879,996	163,696,646	117,878,120	60,454,818	14,636,292	19,549,279	122,791,107	2.2%	2.0%	-
2037	33,178,113	72,162,339	105,340,451	73.49%	617,638,287	1,712,586,588	172,372,568	121,414,463	67,032,117	16,074,012	20,204,750	125,545,201	2.2%	2.0%	-
2038	33,181,425	74,327,209	107,508,634	75.36%	588,710,628	1,800,979,618	181,508,314	125,056,897	73,999,680	17,548,263	20,882,061	128,390,695	2.3%	2.1%	-
2039	33,179,243	76,557,025	109,736,268	77.36%	555,593,163	1,898,166,518	191,128,255	128,808,604	81,391,987	19,072,336	21,581,936	131,318,204	2.3%	2.1%	-
2040	33,180,008	78,853,736	112,033,744	79.47%	517,927,660	2,004,555,104	201,258,053	132,672,862	89,224,309	20,639,119	22,305,124	134,338,868	2.3%	2.1%	-
2041	33,181,718	81,219,348	114,401,066	81.69%	475,328,859	2,121,094,752	0	136,653,048	(114,401,066)	22,251,983	23,052,396	137,453,462	2.3%	2.1%	-
2042	33,182,370	83,655,929	116,838,299	84.03%	427,382,531	2,248,864,908	0	140,752,640	(116,838,299)	23,914,341	23,824,549	140,662,848	2.3%	2.1%	-
2043	33,181,960	86,165,606	119,347,566	86.48%	373,643,381	2,388,993,256	0	144,975,219	(119,347,566)	25,627,652	24,622,411	143,969,977	2.4%	2.1%	-
2044	33,182,960	88,750,575	121,933,535	89.02%	313,632,811	2,542,307,071	0	149,324,475	(121,933,535)	27,390,941	25,446,829	147,380,364	2.4%	2.2%	-
2045	33,182,840	91,413,092	124,595,932	91.65%	246,836,533	2,709,727,345	0	153,804,210	(124,595,932)	29,208,278	26,298,685	150,894,617	2.4%	2.2%	-
2046	33,179,070	94,155,485	127,334,555	94.37%	172,701,998	2,892,648,349	0	158,418,336	(127,334,555)	31,083,781	27,178,889	154,513,444	2.4%	2.2%	-
2047	33,179,120	96,980,149	130,159,269	97.15%	90,635,653	3,092,599,305	0	163,170,886	(130,159,269)	33,011,617	28,088,376	158,247,645	2.4%	2.2%	-
2048	-	-	-	100.00%	-	3,311,090,119	0	-	-	-	29,028,117	29,028,117		-100.0%	-
NPV @ 4%	498,327,527	1,064,734,952	1,563,062,479				1,630,954,385	1,736,592,761	67,891,905	173,530,282	295,663,699	1,861,875,162			-
NPV @ 7%	361,295,012	762,607,306	1,123,902,318				1,229,897,026	1,229,897,026	105,994,708	105,994,708	205,761,651	1,332,345,912			-
													Average Annual Increase	2.1%	1.9%

Hilltop Securities Inc. is providing the information contained in this document for discussion purposes as financial advisor to the City. Future POB interest rates are dependent upon many factors such as, but not limited to, interest rate trends, tax rates, supply, changes in laws, rules and regulations, as well as changes in credit quality and rating agency considerations. The effect of such changes in such assumptions may be material and could affect the projected results. These results should be viewed with these potential changes in mind as well as the understanding that there may be interruptions in the market or no market may exist at all.

Proceeds of the bonds invested at one or more retirement systems may have short or long term returns less than the retirement system's expected rate of return or discount rate. Proceeds invested at one or more retirement systems may have short or long term returns less than the borrowing costs on the bonds, which is referred to as "negative arbitrage".

The proceeds of Pension Obligation Bonds increase assets at retirement systems after issuance and may increase the sensitivity of retirement system contribution rates to returns on the retirement system's investment portfolio.

Authorization of Bonds The authority(ies) for issuance vary from state to state and sometimes by type of issuer within a state. It is possible that an issuer might not have or obtain authorization, such as unsuccessfully attempting to pursue legislation, obtain a court validation, obtain approval by a state government department, or seek voter approval.

Actuarial Changes Even for Pension Obligation Bonds which fully fund the estimated liabilities as of the date of issuance, new liabilities may arise due to factors including (but not limited to): actual investment experience; change in discount rate; or changes in assumed or actual mortality, inflation, salary trend, turnover, or retirement timing.

Columns 15, 17, 18, 19, 20, 21 and 24 are taken directly from Segal's 1/30/22 Scenarios