CITY OF LAKELAND POLICE OFFICERS' RETIREMENT SYSTEM

SECTION 112.664, FLORIDA STATUTES COMPLIANCE DETERMINED AS OF THE OCTOBER 1, 2021 VALUATION DATE





August 1, 2022

VIA EMAIL

Ms. Ferrell Jenne, Plan Administrator Foster & Foster, Inc. 2503 Del Prado Blvd. S., Suite 502 Cape Coral, FL 33904

Re: City of Lakeland Police Officers' Retirement System

Section 112.664, Florida Statutes Compliance

Dear Ferrell:

Please find enclosed the annual disclosures that satisfy the October 1, 2021 financial reporting requirements made under Section 112.664.

Our office will submit this information electronically to the Department of Management Services. However, it is important for you to be aware that this report must also be made available on the Plan or Plan Sponsor's website, if such website exists. A deadline for this website publication is not made clear in the law.

In addition to the enclosed report, the Plan or Plan Sponsor's website must provide a link to the Division of Retirement's Actuarial Summary Fact Sheet for the Plan, and also report the previous five years' assumed and actual rates of return, along with their respective asset allocations. The Board should contact its Investment Consultant for this information.

With respect to the reporting standards for defined benefit retirement plans or systems contained in Section 112.664(1), F.S., the actuarial disclosures required under this section were prepared and completed by me or under my direct supervision and I acknowledge responsibility for the results. To the best of my knowledge, the results are complete and accurate, and in my opinion, meet the requirements of Section 112.664(1), Florida Statutes, and Rule 60T-1.0035, Florida Administrative Code.

If there are any questions, concerns, or comments about any of the items contained in this report, please feel free to contact me.

Respectfully submitted,

Foster & Foster, Inc.

By:

Patrick T. Donlan, ASA, EA, MAAA

Enrolled Actuary #20-6595

Enclosures

cc via email: Scott Christiansen, Board Attorney

When reviewing the following schedules, please note the following:

- 1) The purpose of producing this report is solely to satisfy the requirements set forth by Section 112.664, Florida Statutes, and is mandatory for every Florida public pension fund, excluding the Florida Retirement System (FRS).
- 2) None of the schedules shown have any impact on the funding requirements of the Plan. These schedules are for statutory compliance purposes only.
- 3) In the schedules that follow, the columns labeled "ACTUAL" represent the final recorded GASB 67/68 results. The columns labeled "HYPOTHETICAL" illustrate what the results would have been if different assumptions were used.
- 4) It is our opinion that the Plan's actual assumptions utilized in the October 1, 2021 Actuarial Valuation Report, as adopted by the Board of Trustees, are reasonable individually and in the aggregate, and represent our best estimate of future Plan experience.
- 5) The "Number of Years Expected Benefit Payments Sustained" calculated in Section II: Asset Sustainability should <u>not</u> be interpreted as the number of years the Plan has left until it is insolvent. This calculation is required by 112.664, Florida Statutes, but the numeric result is irrelevant, since in its calculation we are to assume there will be no further contributions to the Fund. As long as the Actuarially Determined Contribution is made each year the Plan will never become insolvent.

SCHEDULE OF CHANGES IN NET PENSION LIABILITY FISCAL YEAR SEPTEMBER 30, 2021

	ACTUAL	HYPOTHETICAL		
Discount Rate:	6.75%	4.75%	8.75%	
Total Pension Liability				
Service Cost	3,143,936	4,794,481	2,161,366	
Interest	12,164,379	11,134,881	12,724,075	
Share Plan Allocation	172,883	172,883	172,883	
Changes of Benefit Terms Differences Between Expected and Actual	-	-	-	
Experience	(426,607)	(656,226)	(289,599)	
Changes of Assumptions	12,983,178	18,867,918	9,288,142	
Contributions - Buy Back	192,680	192,680	192,680	
Benefit Payments, Including Refunds of				
Employee Contributions	(13,297,318)	(13,297,318)	(13,297,318)	
Net Change in Total Pension Liability	14,933,131	21,209,299	10,952,229	
Total Pension Liability - Beginning	165,696,439	204,306,555	138,424,921	
Total Pension Liability - Ending (a)	\$ 180,629,570	\$ 225,515,854	\$ 149,377,150	
Plan Fiduciary Net Position				
Contributions - Employer	1,908,159	1,908,159	1,908,159	
Contributions - State	1,047,223	1,047,223	1,047,223	
Contributions - Employee	2,405,010	2,405,010	2,405,010	
Contributions - Buy Back	192,680	192,680	192,680	
Net Investment Income	35,557,385	35,557,385	35,557,385	
Benefit Payments, Including Refunds of				
Employee Contributions	(13,297,318)	(13,297,318)	(13,297,318)	
Administrative Expenses	(159,392)	(159,392)	(159,392)	
Net Change in Plan Fiduciary Net Position	27,653,747	27,653,747	27,653,747	
Plan Fiduciary Net Position - Beginning	155,567,557	155,567,557	155,567,557	
Plan Fiduciary Net Position - Ending (b)	\$ 183,221,304	\$ 183,221,304	\$ 183,221,304	
Net Pension Liability - Ending (a) - (b)	\$ (2,591,734)	\$ 42,294,550	\$ (33,844,154)	

 $Table \ 1$ Plan Assumptions: Discount Rate = 6.75%

Fiscal Year Beginning 10/1	Projected Beginning Fiduciary Net Position	Projected Total Contributions	Projected Benefit Payments*	Projected Administrative Expense	Projected Investment Earnings	Projected Ending Fiduciary Net Position
2021	183,584,777		16,801,433		11,824,924	178,608,268
2021	178,608,268	-	11,805,854	-	11,657,611	178,460,025
2022	178,460,025	-	12,164,601	-	11,635,496	177,930,920
2023	177,930,920	-		-	11,593,364	
2024		-	12,354,764	-		177,169,520
2025	177,169,520	-	12,497,129 12,632,436	-	11,537,164	176,209,555
	176,209,555	-		-	11,467,800	175,044,919
2027 2028	175,044,919	-	12,843,044	-	11,382,079	173,583,954
	173,583,954 171,975,938	-	12,889,899	-	11,281,883	171,975,938
2029		-	12,908,731	-	11,172,706	170,239,913
2030	170,239,913	-	12,858,156	-	11,057,231	168,438,988
2031	168,438,988	-	12,729,923	-	10,939,997	166,649,062
2032	166,649,062	-	12,586,154	-	10,824,029	164,886,937
2033	164,886,937	-	12,437,412	-	10,710,106	163,159,631
2034	163,159,631	-	12,299,180	-	10,598,178	161,458,629
2035	161,458,629	-	12,143,605	-	10,488,611	159,803,635
2036	159,803,635	-	11,942,904	-	10,383,672	158,244,403
2037	158,244,403	-	11,773,120	-	10,284,154	156,755,437
2038	156,755,437	-	11,546,228	-	10,191,307	155,400,516
2039	155,400,516	-	11,315,569	-	10,107,634	154,192,581
2040	154,192,581	-	11,073,235	-	10,034,278	153,153,624
2041	153,153,624	-	10,801,770	-	9,973,310	152,325,164
2042	152,325,164	-	10,517,201	-	9,926,993	151,734,956
2043	151,734,956	-	10,213,447	-	9,897,406	151,418,915
2044	151,418,915	-	9,894,745	-	9,886,829	151,410,999
2045	151,410,999	-	9,564,096	-	9,897,454	151,744,357
2046	151,744,357	-	9,219,648	-	9,931,581	152,456,290
2047	152,456,290	-	8,859,055	-	9,991,806	153,589,041
2048	153,589,041	-	8,493,806	-	10,080,594	155,175,829
2049	155,175,829	-	8,119,147	-	10,200,347	157,257,029
2050	157,257,029	-	7,740,176	-	10,353,619	159,870,472
2051	159,870,472	-	7,358,663	-	10,542,902	163,054,711
2052	163,054,711	-	6,975,055	-	10,770,785	166,850,441
2053	166,850,441	-	6,590,786	-	11,039,966	171,299,621
2054	171,299,621	-	6,206,885	-	11,353,242	176,445,978
2055	176,445,978	-	5,824,885	-	11,713,514	182,334,607
2056	182,334,607	-	5,446,658	-	12,123,761	189,011,710
2057	189,011,710	-	5,074,003	-	12,587,043	196,524,750
2058	196,524,750	-	4,708,504	-	13,106,509	204,922,755
2059	204,922,755	-	4,352,026	-	13,685,405	214,256,134
2060	214,256,134	-	4,006,146	-	14,327,082	224,577,070
2061	224,577,070	-	3,672,560	-	15,035,003	235,939,513
2062	235,939,513	-	3,352,863	-	15,812,758	248,399,408
2063	248,399,408	-	3,048,443	-	16,664,075	262,015,040
2064	262,015,040	-	2,760,473	-	17,592,849	276,847,416
2065	276,847,416	-	2,489,832	-	18,603,169	292,960,753
2066	292,960,753	-	2,237,135	-	19,699,348	310,422,966
2067	310,422,966	-	2,002,661	-	20,885,960	329,306,265
2068	329,306,265	-	1,786,446	-	22,167,880	349,687,699
2069	349,687,699	-	1,588,233	-	23,550,317	371,649,783
2070	371,649,783	-	1,407,496	-	25,038,857	395,281,144

 $Table \ 1$ Plan Assumptions: Discount Rate = 6.75%

2071 395,281,144 - 1,243,440 - 26,639,511 420, 2072 420,677,215 - 1,095,072 - 28,358,753 447, 2073 447,940,896 - 961,390 - 30,203,564 477, 2074 447,183,070 - 841,402 - 32,181,460 508, 2075 508,523,128 - 734,173 - 34,300,533 542, 2076 542,089,488 - 638,768 - 36,569,482 578, 2077 578,020,202 - 554,255 - 38,997,658 616, 616,63,605 - 479,688 - 41,595,104 657, 790,21 - 414,124 - 44,372,607 701, 2080 701,537,504 - 356,614 - 473,41,746 748, 2081 748,522,636 - 306,236 - 50,514,942 798, 2082 798,731,342 - 262,175 - 53,095,517 852, 2083 852,374,684 - 223,685 - 57,527,742 909, 2084 909,678,741 - 190,133 - 61,396,898 970, 2085,596 <th></th> <th>Projected Er Fiduciary Net 1</th> <th>Projected Investment Earnings</th> <th>Projected Administrative Expense</th> <th>Projected Benefit Payments*</th> <th>Projected Total Contributions</th> <th>Projected Beginning Fiduciary Net Position</th> <th>Fiscal Year Beginning 10/1</th>		Projected Er Fiduciary Net 1	Projected Investment Earnings	Projected Administrative Expense	Projected Benefit Payments*	Projected Total Contributions	Projected Beginning Fiduciary Net Position	Fiscal Year Beginning 10/1
2072 420,677,215 - 1,095,072 - 28,358,753 447,20,896 - 961,390 - 30,203,664 477,83,070 - 841,402 - 32,181,460 508,223,128 - 734,173 - 32,181,460 508,223,128 - 734,173 - 34,300,533 542,200,202 - 554,255 - 38,997,658 616,66,69,482 578,202,020 - 554,255 - 38,997,658 616,62,600 616,63,605 - 479,688 - 41,595,104 657,207 2079 657,579,021 - 414,124 - 44,372,607 701,537,504 - 356,614 - 47,341,746 748,208 - 47,341,746 748,208 - 47,341,746 748,208 - 414,124 - 44,372,607 701,441 - 44,372,607 701,441 - 44,372,607 701,441 - 208,339,305,517 852,208 2082 798,731,342 - 202,175 - 53,905,517 852,208 2083 8	0,677,215	420 6	26 639 511		1 243 440		395 281 144	2071
2073 447,940,896 - 961,390 - 30,203,564 477, 2074 477,183,070 - 841,402 - 32,181,460 508, 523,128 - 734,173 - 343,00,533 542, 2076 542,089,488 - 638,768 - 36,569,482 578, 2077 578,020,202 - 554,255 - 38,997,658 616, 63,605 - 479,688 - 415,951,104 657, 2079 657,579,021 - 414,124 - 443,72,607 701, 2080 701,537,504 - 356,614 - 47,341,746 748, 222,636 - 306,236 - 50,514,942 798, 2082 798,731,342 - 262,175 - 53,905,517 852, 2083 852,374,684 - 223,685 - 57,527,742 909, 2084 909,678,741 - 190,133 - 61,396,898 970, 205 2084 909,678,741 - 190,133 - 69,42,555 1,106, 208,898 1,106,060,687 - 114,003 - 76,687,411 1,260, 208	7,940,896					_		
2074 477,183,070 - 841,402 - 32,181,460 508, 2075 508,523,128 - 734,173 - 34,300,533 542, 2076 542,089,488 - 638,768 - 36,569,482 578, 200,202 - 554,255 - 38,997,658 616, 616,463,605 - 479,688 - 41,595,104 657, 79,021 - 414,124 - 44,372,607 701, 2080 701,537,504 - 356,614 - 47,341,746 748, 2081 748,522,636 - 306,236 - 50,514,942 798, 2082 798,731,342 - 262,175 - 53,905,517 852, 2083 852,374,684 - 223,685 - 57,527,742 909, 2084 909,678,741 - 190,133 - 61,396,898 970, 2085 970,885,506 - 160,976 - 65,529,339 1,336,238,699 - 135,737 - 69,942,555 1,106,253,869 - 135,737 - 69,942,555 1,106,253,869 - 135,737 - 6	7,183,070			_		_		
2075 508,523,128 - 734,173 - 34,300,533 542, 2076 542,089,488 - 638,768 - 36,569,482 578, 578, 2020 - 554,255 - 38,997,658 616, 636,605 - 479,688 - 41,595,104 657, 2079 657,579,021 - 414,124 - 44,372,607 701, 2080 701,537,504 - 356,614 - 47,341,746 748, 222,636 - 306,236 - 50,514,942 798, 2081 748,522,636 - 306,236 - 50,514,942 798, 2082 798,731,342 - 262,175 - 53,905,517 852, 2083 852,374,684 - 223,685 - 57,527,742 909, 2084 999,678,741 - 190,133 - 61,396,889 970, 2085 970,885,506 - 160,976 - 65,529,339 1,36, 208 2086 1,036,253,869 - 135,737 - 69,942,555 1,106, 208 1,180,600,687 - 114,003 - 79,687,411 1,260	8,523,128			_		_		
2076 542,089,488 - 638,768 - 36,569,482 578, 2077 578,020,202 - 554,255 - 38,997,658 616, 63,605 - 479,688 - 41,595,104 657, 2079 657,579,021 - 414,124 - 44,372,607 701, 2080 701,537,504 - 356,614 - 47,341,746 748, 2081 748,522,636 - 306,236 - 50,514,942 798, 2082 798,731,342 - 262,175 - 53,905,517 852, 2083 852,374,684 - 223,685 - 57,527,742 909, 2084 909,678,741 - 190,133 - 61,366,898 970, 2085 970,885,506 - 160,976 - 65,529,339 1,036, 2086 1,036,253,869 - 135,737 - 69,942,555 1,106, 2087 1,116,060,687 - 114,003 - 74,655,249 1,180, 2089 1,260,193,948 - 79,563 - 85,060,406 1,345, 2090 1,345,174,791 - 66,179 - 90,797,065<	2,089,488			-		-		
2077 578,020,202 - 554,255 - 38,997,658 616, 2078 616,463,605 - 479,688 - 41,595,104 657, 2079 657,579,021 - 414,124 - 443,72,607 701, 2080 701,537,504 - 356,614 - 47,341,746 748, 2081 748,522,636 - 306,236 - 50,514,942 798, 2082 798,731,342 - 262,175 - 53,905,517 852, 2083 852,374,684 - 223,685 - 57,527,742 909, 2084 909,678,741 - 190,133 - 61,396,898 970, 2085 970,885,506 - 160,976 - 65,529,339 1,036, 2086 1,036,253,869 - 135,737 - 69,942,555 1,106, 2086 1,106,060,687 - 114,003 - 74,655,249 1,180, 2089 1,260,193,948 - 79,563 - 85,060,406 1,345, 2090 1,345,174,791 - 66,179 - 90,797,065 1,435, 2091 1,435,905,677 - 54,940	8,020,202			_		_		
2078 616,463,605 - 479,688 - 41,595,104 657, 2079 657,579,021 - 414,124 - 44,372,607 701, 2080 701,537,504 - 356,614 - 47,341,746 748, 22,636 - 306,236 - 50,514,942 798, 2082 798,731,342 - 262,175 - 53,905,517 852, 2083 852,374,684 - 223,685 - 57,527,742 909, 2084 909,678,741 - 190,133 - 61,396,898 970, 2085 970,885,506 - 160,976 - 65,529,339 1,036, 2086 1,036,253,869 - 114,003 - 74,655,249 1,180, 2087 1,106,060,687 - 114,003 - 74,655,249 1,180, 2089 1,260,193,948 - 79,563 - 79,687,411 1,260, 2089 1,260,193,948 - 79,563 - 85,060,406 1,345, 2091 1,435,905,677 - 54,940 - 96,921,779 1,532, 2091 1,532,772,516 - 45,561 - 103,4	6,463,605			-		-		
2079 657,579,021 - 414,124 - 44,372,607 701, 2080 701,537,504 - 356,614 - 47,341,746 748, 2081 748,522,636 - 306,236 - 50,514,942 798, 2082 798,731,342 - 262,175 - 53,905,517 852, 2083 852,374,684 - 223,685 - 57,527,742 909, 2084 909,678,741 - 190,133 - 61,396,898 970, 2085 970,885,506 - 160,976 - 65,529,339 1,036, 2086 1,036,253,869 - 135,737 - 69,942,555 1,106, 2087 1,106,060,687 - 114,003 - 74,655,249 1,180, 2088 1,180,601,933 - 95,396 - 79,687,411 1,260, 2089 1,260,193,948 - 79,563 - 85,060,406 1,345,	7,579,021			-		-		
2080 701,537,504 - 356,614 - 47,341,746 748, 2081 748,522,636 - 306,236 - 50,514,942 798, 2082 798,731,342 - 262,175 - 53,905,517 852, 2083 852,374,684 - 223,685 - 57,527,742 909, 2084 909,678,741 - 190,133 - 61,396,898 970, 2085 970,885,506 - 160,976 - 65,529,339 1,036, 2086 1,036,253,869 - 135,737 - 69,942,555 1,106, 2086 1,180,601,933 - 74,655,249 1,180, 2089 1,260,193,948 - 79,563 - 79,687,411 1,260, 2089 1,260,193,948 - 79,563 - 79,687,411 1,260, 2089 1,260,193,948 - 79,563 - 85,060,406 1,345, 2090 1,345,174,791 - 66,179 - 90,797,065 1,435, 2091 1,435,905,677 - 54,940 - 96,921,779 1,532, 2092 1,532,772,516 - 45,561 - 103,460,607	1,537,504			-		-		
2081 748,522,636 - 306,236 - 50,514,942 798, 2082 798,731,342 - 262,175 - 53,905,517 852, 2083 852,374,684 - 223,685 - 57,527,742 909, 2084 909,678,741 - 190,133 - 61,396,898 970, 2085 970,885,506 - 160,976 - 65,529,339 1,036, 2086 1,036,253,869 - 135,737 - 69,942,555 1,106, 2087 1,106,606,687 - 114,003 - 74,655,249 1,180, 2088 1,180,601,933 - 95,396 - 79,687,411 1,260, 2089 1,260,193,948 - 79,563 - 85,060,406 1,345, 2090 1,345,174,791 - 66,179 - 90,797,065 1,435, 2091 1,435,905,677 - 54,940 - 96,921,779 1,532, 2092 1,532,772,516 - 45,561 - 103,460,607 1,636, 2093 1,636,187,562 - 37,774 - 110,441,386 1,746, 2094 1,746,591,174 - 31,339 <td>8,522,636</td> <td></td> <td></td> <td>-</td> <td></td> <td>-</td> <td></td> <td></td>	8,522,636			-		-		
2082 798,731,342 - 262,175 - 53,905,517 852, 2083 852,374,684 - 223,685 - 57,527,742 909, 2084 909,678,741 - 190,133 - 61,396,898 970, 2085 970,885,506 - 160,976 - 65,529,339 1,036, 253,869 - 135,737 - 69,942,555 1,106, 263,869 - 135,737 - 69,942,555 1,106, 2087 1,106,060,687 - 114,003 - 74,655,249 1,180, 2088 1,180,601,933 - 95,396 - 79,687,411 1,260, 2089 1,260,193,948 - 79,563 - 85,060,406 1,345, 2090 1,345,174,791 - 66,179 - 90,797,065 1,435, 2091 1,435,905,677 - 54,940 - 96,921,779 1,532, 2092 1,532,772,516 - 45,561 - 103,460,607 1,636, 2093 1,636,187,562 - 37,774 - 110,441,386 1,746, 2094 1,746,591,174 - 31,339 - 117,893,847				-		-		
2083 852,374,684 - 223,685 - 57,527,742 909, 2084 909,678,741 - 190,133 - 61,396,898 970, 2085 970,885,506 - 160,976 - 65,529,339 1,036, 2086 1,036,253,869 - 135,737 - 69,942,555 1,106, 2087 1,106,060,687 - 114,003 - 74,655,249 1,180, 2088 1,180,601,933 - 95,396 - 79,687,411 1,260, 2089 1,260,193,948 - 79,563 - 85,060,406 1,345, 2090 1,345,174,791 - 66,179 - 90,797,065 1,435, 2091 1,435,905,677 - 54,940 - 96,921,779 1,532, 2092 1,532,772,516 - 45,561 - 103,460,607 1,636, 2093 1,636,187,562 - 37,774 - 110,441,386 1,746, 2094 1,746,591,174 - 31,339 - 117,893,847 1,864, 2095 1,864,453,682 - 26,041 - 125,849,745 1,990, 27,386 - 21,694 -	8,731,342			-		-		
2084 909,678,741 - 190,133 - 61,396,898 970, 2085 970,885,506 - 160,976 - 65,529,339 1,036, 253,869 - 135,737 - 69,942,555 1,106, 60,687 - 114,003 - 74,655,249 1,180, 2088 1,180,601,933 - 95,396 - 79,687,411 1,260, 2089 1,260,193,948 - 79,563 - 85,060,406 1,345, 2090 1,345,174,791 - 66,179 - 90,797,065 1,435, 2091 1,435,905,677 - 54,940 - 96,921,779 1,532, 2092 1,532,772,516 - 45,561 - 103,460,607 1,636, 2093 1,636,187,562 - 37,774 - 110,441,386 1,746, 2094 1,746,591,174 - 31,339 - 117,893,847 1,864, 2095 1,864,453,682 - 26,041 - 125,849,745 1,990, 2096 1,990,277,386 - 21,694 - 134,340,979 2,267, 2098 2,267,990,338 - 18,144 - 143,409,799<	2,374,684			-		-		
2085 970,885,506 - 160,976 - 65,529,339 1,036, 2086 2086 1,036,253,869 - 135,737 - 69,942,555 1,106, 2087 2087 1,106,060,687 - 114,003 - 74,655,249 1,180, 2088 2088 1,180,601,933 - 95,396 - 79,687,411 1,260, 260, 406 2089 1,260,193,948 - 79,563 - 85,060,406 1,345, 2090 1,345,174,791 - 66,179 - 90,797,065 1,435, 2091 1,435,905,677 - 54,940 - 96,921,779 1,532, 2092 1,532,772,516 - 45,561 - 103,460,607 1,636, 2093 1,636,187,562 - 37,774 - 110,441,386 1,746, 2094 1,746,591,174 - 31,339 - 117,893,847 1,864, 2095 1,864,453,682 - 26,041 - 125,849,745 1,990, 27,386 - 21,694 - 134,342,991 2,124, 24,944 - 134,342,991	9,678,741			-		-		
2086 1,036,253,869 - 135,737 - 69,942,555 1,106, 2087 1,106,060,687 - 114,003 - 74,655,249 1,180, 2088 1,180,601,933 - 95,396 - 79,687,411 1,260, 2089 1,260,193,948 - 79,563 - 85,060,406 1,345, 2090 1,345,174,791 - 66,179 - 90,797,065 1,435, 2091 1,435,905,677 - 54,940 - 96,921,779 1,532, 2092 1,532,772,516 - 45,561 - 103,460,607 1,636, 2093 1,636,187,562 - 37,774 - 110,441,386 1,746, 2094 1,746,591,174 - 31,339 - 117,893,847 1,864, 2095 1,864,453,682 - 26,041 - 125,849,745 1,990, 2096 1,990,277,386 - 21,694 - 134,342,991 2,124, 2097 2,124,598,683 - 18,144 - 143,409,799 2,267, 2098 2,267,990,338 - 15,255 - 153,088,833 2,421, 2099 2,421,063,916 -	0,885,506			-		-		
2087 1,106,060,687 - 114,003 - 74,655,249 1,180, 2088 1,180,601,933 - 95,396 - 79,687,411 1,260, 2089 1,260,193,948 - 79,563 - 85,060,406 1,345, 2090 1,345,174,791 - 66,179 - 90,797,065 1,435, 2091 1,435,905,677 - 54,940 - 96,921,779 1,532, 2092 1,532,772,516 - 45,561 - 103,460,607 1,636, 2093 1,636,187,562 - 37,774 - 110,441,386 1,746, 2094 1,746,591,174 - 31,339 - 117,893,847 1,864, 2095 1,864,453,682 - 26,041 - 125,849,745 1,990, 2096 1,990,277,386 - 21,694 - 134,342,991 2,124, 2097 2,124,598,683 - 18,144 - 143,409,799 2,267, 2098 2,267,990,338 - 15,255 - 153,088,833 2,421, 2099 2,421,063,916 - 12,911 - 163,421,379 2,584, 2100 2,584,472,384 -				-		-		
2088 1,180,601,933 - 95,396 - 79,687,411 1,260, 2089 1,260,193,948 - 79,563 - 85,060,406 1,345, 245, 2090 1,345,174,791 - 66,179 - 90,797,065 1,435, 2091 1,435,905,677 - 54,940 - 96,921,779 1,532, 2092 1,532,772,516 - 45,561 - 103,460,607 1,636, 2093 1,636,187,562 - 37,774 - 110,441,386 1,746, 2094 1,746,591,174 - 31,339 - 117,893,847 1,864, 2095 1,864,453,682 - 26,041 - 125,849,745 1,990, 2096 1,990,277,386 - 21,694 - 134,342,991 2,124, 2097 2,124,598,683 - 21,694 - 134,342,991 2,124, 2097 2,124,598,683 - 18,144 - 143,409,799 2,267, 2098 2,267,990,338 - 15,255 - 153,088,833 2,421, 201, 201, 201, 201, 201, 201, 201, 2				-		-		
2089 1,260,193,948 - 79,563 - 85,060,406 1,345, 2090 1,345,174,791 - 66,179 - 90,797,065 1,435, 2091 1,435,905,677 - 54,940 - 96,921,779 1,532, 2092 1,532,772,516 - 45,561 - 103,460,607 1,636, 2093 1,636,187,562 - 37,774 - 110,441,386 1,746, 2094 1,746,591,174 - 31,339 - 117,893,847 1,864, 2095 1,864,453,682 - 26,041 - 125,849,745 1,990, 2096 1,990,277,386 - 21,694 - 134,342,991 2,124, 2097 2,124,598,683 - 18,144 - 143,409,799 2,267, 2098 2,267,990,338 - 15,255 - 153,088,833 2,421, 2099 2,421,063,916 - 12,911 - 163,421,379 2,584, 2100 2,584,72,384 - 11,012 - 174,451,514	0,601,933			-		-		
2090 1,345,174,791 - 66,179 - 90,797,065 1,435, 2091 1,435,905,677 - 54,940 - 96,921,779 1,532, 2092 1,532,772,516 - 45,561 - 103,460,607 1,636, 2093 1,636,187,562 - 37,774 - 110,441,386 1,746, 2094 1,746,591,174 - 31,339 - 117,893,847 1,864, 2095 1,864,453,682 - 26,041 - 125,849,745 1,990, 2096 1,990,277,386 - 21,694 - 134,342,991 2,124, 2097 2,124,598,683 - 18,144 - 143,409,799 2,267, 2098 2,267,990,338 - 15,255 - 153,088,833 2,421, 2099 2,421,063,916 - 12,911 - 163,421,379 2,584, 2100 2,584,472,384 - 11,012 - 174,451,514 2,758, 2584, 2758, 2102 2,945,129,711 - 8,230 - 198,795,978 3,143, 2103 3,143,917,459 - 7,214 - 212,214,185 3,356, 252, 206 2,945, 238, 244, 244, 244, 244, 244, 244, 244, 24	0,193,948			-		-		
2091 1,435,905,677 - 54,940 - 96,921,779 1,532, 202 2092 1,532,772,516 - 45,561 - 103,460,607 1,636, 203 2093 1,636,187,562 - 37,774 - 110,441,386 1,746, 204 2094 1,746,591,174 - 31,339 - 117,893,847 1,864, 209 2095 1,864,453,682 - 26,041 - 125,849,745 1,990, 277,386 2096 1,990,277,386 - 21,694 - 134,342,991 2,124, 2097 2097 2,124,598,683 - 18,144 - 143,409,799 2,267, 207, 207, 207, 207, 207, 207, 207, 20	5,174,791			-		-		
2092 1,532,772,516 - 45,561 - 103,460,607 1,636, 2093 1,636,187,562 - 37,774 - 110,441,386 1,746, 2094 1,746,591,174 - 31,339 - 117,893,847 1,864, 2095 1,864,453,682 - 26,041 - 125,849,745 1,990, 2096 1,990,277,386 - 21,694 - 134,342,991 2,124, 2097 2,124,598,683 - 18,144 - 143,409,799 2,267, 2098 2,267,990,338 - 15,255 - 153,088,833 2,421, 2099 2,421,063,916 - 12,911 - 163,421,379 2,584, 2100 2,584,472,384 - 11,012 - 174,451,514 2,758, 2101 2,758,912,886 - 9,475 - 186,226,300 2,945, 2102 2,945,129,711 - 8,230 - 198,795,978 3,143, 2103 3,143,917,459 - 7,214 - 212,214,18	5,905,677			-		-		
2093 1,636,187,562 - 37,774 - 110,441,386 1,746, 2094 1,746,591,174 - 31,339 - 117,893,847 1,864, 2095 1,864,453,682 - 26,041 - 125,849,745 1,990, 2096 1,990,277,386 - 21,694 - 134,342,991 2,124, 2097 2,124,598,683 - 18,144 - 143,409,799 2,267, 2098 2,267,990,338 - 15,255 - 153,088,833 2,421, 2099 2,421,063,916 - 12,911 - 163,421,379 2,584, 2100 2,584,472,384 - 11,012 - 174,451,514 2,758, 2101 2,758,912,886 - 9,475 - 186,226,300 2,945, 2102 2,945,129,711 - 8,230 - 198,795,978 3,143, 2103 3,143,917,459 - 7,214 - 212,214,185 3,356, 2104 3,356,124,430 - 6,376 - 226,538,184 3,582, 2105 3,582,656,238 - 5,674 - 241,829,105 3,824, 2105 3,824,479,669 - 5,073 - 258,152,206 4,082,	2,772,516		, , , , , , , , , , , , , , , , , , ,	-		-		
2094 1,746,591,174 - 31,339 - 117,893,847 1,864, 2095 1,864,453,682 - 26,041 - 125,849,745 1,990, 2096 1,990,277,386 - 21,694 - 134,342,991 2,124, 2124, 2097 2,124,598,683 - 18,144 - 143,409,799 2,267, 2098 2,267,990,338 - 15,255 - 153,088,833 2,421, 2099 2,421,063,916 - 12,911 - 163,421,379 2,584, 2100 2,584,472,384 - 11,012 - 174,451,514 2,758, 2101 2,758,912,886 - 9,475 - 186,226,300 2,945, 2945, 29711 - 8,230 - 198,795,978 3,143, 2103 3,143,917,459 - 7,214 - 212,214,185 3,356, 2104, 2104 3,356,124,430 - 6,376 - 226,538,184 3,582, 2105 3,582,656,238 - 5,674 - 241,829,105 3,824, 2105 3,824,479,669 - 5,073 - 258,152,206 4,082,	6,187,562		, , , , , , , , , , , , , , , , , , ,	-		-		
2095 1,864,453,682 - 26,041 - 125,849,745 1,990, 277,386 - 21,694 - 134,342,991 2,124, 21244, 2124, 21244, 2124, 2124, 2124, 2124, 2124, 2124, 2124, 2124, 2124, 2124, 2124, 2124, 212	6,591,174			-		-		
2096 1,990,277,386 - 21,694 - 134,342,991 2,124,598,683 2097 2,124,598,683 - 18,144 - 143,409,799 2,267,209 2098 2,267,990,338 - 15,255 - 153,088,833 2,421,21,209 2099 2,421,063,916 - 12,911 - 163,421,379 2,584,213,279 2100 2,584,472,384 - 11,012 - 174,451,514 2,758,2758,210 2101 2,758,912,886 - 9,475 - 186,226,300 2,945,2945,2945,2945,2945,2945,2945,2945	4,453,682			-		-		
2097 2,124,598,683 - 18,144 - 143,409,799 2,267, 2099 2,267,990,338 - 15,255 - 153,088,833 2,421, 2099 2,421,063,916 - 12,911 - 163,421,379 2,584, 21,000 2,584,472,384 - 11,012 - 174,451,514 2,758, 2101 2,758,912,886 - 9,475 - 186,226,300 2,945, 2102 2,945,129,711 - 8,230 - 198,795,978 3,143, 2103 3,143,917,459 - 7,214 - 212,214,185 3,356, 214,430 - 6,376 - 226,538,184 3,582, 2105 3,582,656,238 - 5,674 - 241,829,105 3,824, 2106 3,824,479,669 - 5,073 - 258,152,206 4,082,	0,277,386			-		-		
2098 2,267,990,338 - 15,255 - 153,088,833 2,421, 2099 2,421,063,916 - 12,911 - 163,421,379 2,584, 2100 2,584,472,384 - 11,012 - 174,451,514 2,758, 2101 2,758,912,886 - 9,475 - 186,226,300 2,945, 2102 2,945,129,711 - 8,230 - 198,795,978 3,143, 2103 3,143,917,459 - 7,214 - 212,214,185 3,356, 2104 3,356,124,430 - 6,376 - 226,538,184 3,582, 2105 3,582,656,238 - 5,674 - 241,829,105 3,824, 2106 3,824,479,669 - 5,073 - 258,152,206 4,082,	4,598,683			-		-		
2099 2,421,063,916 - 12,911 - 163,421,379 2,584, 2100 2,584,472,384 - 11,012 - 174,451,514 2,758, 2101 2,758,912,886 - 9,475 - 186,226,300 2,945, 2102 2,945,129,711 - 8,230 - 198,795,978 3,143, 2103 3,143,917,459 - 7,214 - 212,214,185 3,356, 2104 3,356,124,430 - 6,376 - 226,538,184 3,582, 2105 3,582,656,238 - 5,674 - 241,829,105 3,824, 2106 3,824,479,669 - 5,073 - 258,152,206 4,082,	7,990,338			-		-		
2100 2,584,472,384 - 11,012 - 174,451,514 2,758, 2101 2,758,912,886 - 9,475 - 186,226,300 2,945, 2102 2,945,129,711 - 8,230 - 198,795,978 3,143, 2103 3,143,917,459 - 7,214 - 212,214,185 3,356, 2104 3,356,124,430 - 6,376 - 226,538,184 3,582, 2105 3,582,656,238 - 5,674 - 241,829,105 3,824, 2106 3,824,479,669 - 5,073 - 258,152,206 4,082,	1,063,916	2,421,0	153,088,833	-		-		
2101 2,758,912,886 - 9,475 - 186,226,300 2,945, 2102 2,945,129,711 - 8,230 - 198,795,978 3,143, 2103 3,143,917,459 - 7,214 - 212,214,185 3,356, 2104 3,356,124,430 - 6,376 - 226,538,184 3,582, 2105 3,582,656,238 - 5,674 - 241,829,105 3,824, 2106 3,824,479,669 - 5,073 - 258,152,206 4,082,	4,472,384			-		-		
2102 2,945,129,711 - 8,230 - 198,795,978 3,143, 2103 3,143,917,459 - 7,214 - 212,214,185 3,356, 2104 3,356,124,430 - 6,376 - 226,538,184 3,582, 2105 3,582,656,238 - 5,674 - 241,829,105 3,824, 2106 3,824,479,669 - 5,073 - 258,152,206 4,082,	8,912,886			-		-		
2103 3,143,917,459 - 7,214 - 212,214,185 3,356, 2104 3,356,124,430 - 6,376 - 226,538,184 3,582, 2105 3,582,656,238 - 5,674 - 241,829,105 3,824, 2106 3,824,479,669 - 5,073 - 258,152,206 4,082,	5,129,711			-		-		
2104 3,356,124,430 - 6,376 - 226,538,184 3,582, 2105 3,582,656,238 - 5,674 - 241,829,105 3,824, 2106 3,824,479,669 - 5,073 - 258,152,206 4,082,	3,917,459	3,143,9	198,795,978	-		-		
2105 3,582,656,238 - 5,674 - 241,829,105 3,824, 2106 3,824,479,669 - 5,073 - 258,152,206 4,082,	6,124,430			-		-		
2106 3,824,479,669 - 5,073 - 258,152,206 4,082,	2,656,238	3,582,6	226,538,184	-	6,376	-		2104
	4,479,669	3,824,4	241,829,105	-	5,674	-	3,582,656,238	2105
	2,626,802	4,082,6	258,152,206	-	5,073	-	3,824,479,669	
2107 4,082,626,802 - 4,546 - 275,577,156 4,358,	8,199,412	4,358,1	275,577,156	-	4,546	-	4,082,626,802	2107
2108 4,358,199,412 - 4,073 - 294,178,323 4,652,	2,373,662	4,652,3	294,178,323	-	4,073	-	4,358,199,412	2108
2109 4,652,373,662 - 3,642 - 314,035,099 4,966,	6,405,119	4,966,4	314,035,099	-	3,642	-	4,652,373,662	2109
2110 4,966,405,119 - 3,238 - 335,232,236 5,301,	1,634,117	5,301,€	335,232,236	-	3,238	-	4,966,405,119	2110
2111 5,301,634,117 - 2,851 - 357,860,207 5,659,	9,491,473	5,659,4	357,860,207	-	2,851	-	5,301,634,117	2111
2112 5,659,491,473 - 2,479 - 382,015,591 6,041,	1,504,585	6,041,5	382,015,591	-	2,479	-	5,659,491,473	2112
2113 6,041,504,585 - 2,124 - 407,801,488 6,449,	9,303,949	6,449,3	407,801,488	-	2,124	-	6,041,504,585	2113
	4,630,115		435,327,956	-	1,790	-		2114
	9,341,117			-		-		
	5,420,403			-		-		
	4,985,299			-		-		
	0,296,050			-		-		
	3,765,465			-		-		
	7,969,219			-		-		

Table 1
Plan Assumptions: Discount Rate = 6.75%

Fiscal Year Beginning 10/1	Projected Beginning Fiduciary Net Position	Projected Total Contributions	Projected Benefit Payments*	Projected Administrative Expense	Projected Investment Earnings	Projected Ending Fiduciary Net Position
2121	10,187,969,219	-	282	-	687,687,913	10,875,656,850
2122	10,875,656,850	-	192	-	734,106,831	11,609,763,489
2123	11,609,763,489	-	126	-	783,659,031	12,393,422,394
2124	12,393,422,394	-	80	-	836,556,009	13,229,978,323
2125	13,229,978,323	-	48	-	893,023,535	14,123,001,810
2126	14,123,001,810	-	28	-	953,302,621	15,076,304,403
2127	15,076,304,403	-	16	-	1,017,650,547	16,093,954,934
2128	16,093,954,934	-	8	-	1,086,341,958	17,180,296,884
2129	17,180,296,884	-	4	-	1,159,670,040	18,339,966,920
2130	18,339,966,920	-	2	-	1,237,947,767	19,577,914,685
2131	19,577,914,685	-	1	-	1,321,509,241	20,899,423,925
2132	20,899,423,925	-	1	-	1,410,711,115	22,310,135,039
2133	22,310,135,039	-	-	-	1,505,934,115	23,816,069,154

^{*}All DROP and Share Balances paid in 2021.

Number of Years Expected Benefit Payments Sustained: 999.99

This projection assumes no further contributions, assumes no further benefit accruals, and assumes Market Value of Assets earn 6.75% interest.

It is important to note that as long as the Actuarially Determined Contribution is made each year, the Plan will never become insolvent. Furthermore, State and local laws mandate that the Actuarially Determined Contribution be made each year.

 $Table\ 2$ Hypothetical Assumptions: Discount Rate = 4.75%

Fiscal Year Beginning 10/1	Projected Beginning Fiduciary Net Position	Projected Total Contributions	Projected Benefit Payments*	Projected Administrative Expense	Projected Investment Earnings	Projected Ending Fiduciary Net Position
2021	183,584,777	-	16,801,433	-	8,321,243	175,104,587
2022	175,104,587	-	11,805,854	-	8,037,079	171,335,812
2023	171,335,812	-	12,164,601	-	7,849,542	167,020,753
2024	167,020,753	-	12,354,764	-	7,640,060	162,306,049
2025	162,306,049	-	12,497,129	-	7,412,731	157,221,651
2026	157,221,651	-	12,632,436	-	7,168,008	151,757,223
2027	151,757,223	-	12,843,044	-	6,903,446	145,817,625
2028	145,817,625	-	12,889,899	-	6,620,202	139,547,928
2029	139,547,928	-	12,908,731	-	6,321,944	132,961,141
2030	132,961,141	-	12,858,156	-	6,010,273	126,113,258
2031	126,113,258	-	12,729,923	-	5,688,044	119,071,379
2032	119,071,379	-	12,586,154	-	5,356,969	111,842,194
2033	111,842,194	-	12,437,412	-	5,017,116	104,421,898
2034	104,421,898	-	12,299,180	-	4,667,935	96,790,653
2035	96,790,653	-	12,143,605	-	4,309,145	88,956,193
2036	88,956,193	-	11,942,904	-	3,941,775	80,955,064
2037	80,955,064	-	11,773,120	-	3,565,754	72,747,698
2038	72,747,698	-	11,546,228	-	3,181,293	64,382,763
2039	64,382,763	-	11,315,569	-	2,789,436	55,856,630
2040	55,856,630	-	11,073,235	-	2,390,201	47,173,596
2041	47,173,596	-	10,801,770	-	1,984,204	38,356,030
2042	38,356,030	-	10,517,201	-	1,572,128	29,410,957
2043	29,410,957	-	10,213,447	-	1,154,451	20,351,961
2044	20,351,961	-	9,894,745	-	731,718	11,188,934
2045	11,188,934	-	9,564,096	-	304,327	1,929,165
2046	1,929,165	-	9,219,648	-	-	-

^{*}All DROP and Share Balances paid in 2021.

Number of Years Expected Benefit Payments Sustained: 25.21

This projection assumes no further contributions, assumes no further benefit accruals, and assumes Market Value of Assets earn 4.75% interest.

It is important to note that as long as the Actuarially Determined Contribution is made each year, the Plan will never become insolvent. Furthermore, State and local laws mandate that the Actuarially Determined Contribution be made each year.

 $Table \ 3$ Hypothetical Assumptions: Discount Rate = 8.75%

Fiscal Year Beginning 10/1	Projected Beginning Fiduciary Net Position	Projected Total Contributions	Projected Benefit Payments*	Projected Administrative Expense	Projected Investment Earnings	Projected Ending Fiduciary Net Position
2021	183,584,777	_	16,801,433	-	15,328,605	182,111,949
2022	182,111,949	_	11,805,854	-	15,418,289	185,724,384
2023	185,724,384		12,164,601	_	15,718,682	189,278,465
2024	189,278,465	_	12,354,764	_	16,021,345	192,945,046
2024	192,945,046	-	12,497,129	-	16,335,942	196,783,859
2026	196,783,859	-	12,632,436	-	16,665,919	200,817,342
2027	200,817,342	-	12,843,044	-	17,009,634	204,983,932
2028	204,983,932	-	12,889,899	-	17,372,161	209,466,194
2028	209,466,194	-	12,908,731	-	17,763,535	214,320,998
2030		-		-		
	214,320,998	-	12,858,156	-	18,190,543	219,653,385
2031	219,653,385	-	12,729,923	-	18,662,737	225,586,199
2032	225,586,199	-	12,586,154	-	19,188,148	232,188,193
2033	232,188,193	-	12,437,412	-	19,772,330	239,523,111
2034	239,523,111	-	12,299,180	-	20,420,183	247,644,114
2035	247,644,114	-	12,143,605	-	21,137,577	256,638,086
2036	256,638,086	-	11,942,904	-	21,933,330	266,628,512
2037	266,628,512	-	11,773,120	-	22,814,921	277,670,313
2038	277,670,313	-	11,546,228	-	23,791,005	289,915,090
2039	289,915,090	-	11,315,569	-	24,872,514	303,472,035
2040	303,472,035	-	11,073,235	-	26,069,349	318,468,149
2041	318,468,149	-	10,801,770	-	27,393,386	335,059,765
2042	335,059,765	-	10,517,201	-	28,857,602	353,400,166
2043	353,400,166	-	10,213,447	-	30,475,676	373,662,395
2044	373,662,395	-	9,894,745	-	32,262,564	396,030,214
2045	396,030,214	-	9,564,096	-	34,234,215	420,700,333
2046	420,700,333	-	9,219,648	-	36,407,920	447,888,605
2047	447,888,605	-	8,859,055	-	38,802,669	477,832,219
2048	477,832,219	-	8,493,806	-	41,438,715	510,777,128
2049	510,777,128	-	8,119,147	-	44,337,786	546,995,767
2050	546,995,767	-	7,740,176	-	47,523,497	586,779,088
2051	586,779,088	-	7,358,663	-	51,021,229	630,441,654
2052	630,441,654	-	6,975,055	-	54,858,486	678,325,085
2053	678,325,085	-	6,590,786	-	59,065,098	730,799,397
2054	730,799,397	-	6,206,885	-	63,673,396	788,265,908
2055	788,265,908	-	5,824,885	-	68,718,428	851,159,451
2056	851,159,451	-	5,446,658	-	74,238,161	919,950,954
2057	919,950,954	-	5,074,003	-	80,273,721	995,150,672
2058	995,150,672	-	4,708,504	-	86,869,687	1,077,311,855
2059	1,077,311,855	-	4,352,026	-	94,074,386	1,167,034,215
2060	1,167,034,215	-	4,006,146	-	101,940,225	1,264,968,294
2061	1,264,968,294	-	3,672,560	-	110,524,051	1,371,819,785
2062	1,371,819,785	-	3,352,863	-	119,887,543	1,488,354,465
2063	1,488,354,465	-	3,048,443	-	130,097,646	1,615,403,668
2064	1,615,403,668	-	2,760,473	-	141,227,050	1,753,870,245
2065	1,753,870,245	-	2,489,832	-	153,354,716	1,904,735,129
2066	1,904,735,129	-	2,237,135	-	166,566,449	2,069,064,443
2067	2,069,064,443	-	2,002,661	-	180,955,522	2,248,017,304
2068	2,248,017,304	-	1,786,446	-	196,623,357	2,442,854,215
2069	2,442,854,215	-	1,588,233	-	213,680,259	2,654,946,241
2070	2,654,946,241	-	1,407,496	-	232,246,218	2,885,784,963

 $Table \ 3$ Hypothetical Assumptions: Discount Rate = 8.75%

2086 10,135,018,297 - 135,737 - 886,808,162 11,021,690,722 2087 11,021,690,722 - 114,003 - 964,392,951 11,985,969,670 2088 11,985,969,670 - 95,396 - 1,048,768,173 13,034,642,447 2089 13,034,642,447 - 79,563 - 1,140,527,733 14,175,090,617 2090 14,175,090,617 - 66,179 - 1,240,317,534 15,415,341,972 2091 15,415,341,972 - 54,940 - 1,348,840,019 16,764,127,051	Fiscal Year Beginning 10/1	Projected Beginning Fiduciary Net Position	Projected Total Contributions	Projected Benefit Payments*	Projected Administrative	Projected Investment Earnings	Projected Ending Fiduciary Net Position
2072 3,156,993,307 1,095,072 274,339,005 3,410,337,240 2073 3,410,337,240 3,707,738,298 3,41,402 3,24,390,290 4,031,287,186 734,173 352,705,509 4,031,287,186 734,173 352,705,509 4,031,287,186 734,173 352,705,509 4,031,287,186 734,173 352,705,509 4,031,287,186 734,173 352,705,509 4,031,287,186 734,173 352,705,509 4,031,287,186 734,173 732,705,509 4,031,287,186 734,173 732,705,509 4,031,287,186 734,173 732,705,509 4,031,287,185 747,661,26,929 554,255 417,011,858 5,182,584,532 479,688 453,455,160 5,635,560,004 414,124 493,093,382 6,664,087,982 306,236 583,094,301 7,246,876,047 262,175 634,090,194 7,880,704,056 222,685 689,511,819 8,570,032,100 2084 8,570,032,100 190,133 749,869,498 93,197,11,555 160,976 815,467,18 10,135,018,297 2086 10,135,018,297 135,737 886,808,162 11,021,600,722 2088 11,031,600,722 114,003 964,392,91 11,082,007,22 2088 11,031,600,722 114,003 964,392,91 11,082,007,27 2090 14,175,090,617 66,179 1,240,317,534 11,488,400,19 16,741,270,51 2090 14,175,090,617 66,179 1,240,317,534 15,415,341,972 2091 13,415,341,972 54,940 1,348,840,019 16,741,270,51 2099 14,175,090,617 66,179 1,240,317,534 15,415,341,972 2099 14,175,090,617 66,179 1,240,317,534 15,415,341,972 2099 14,175,090,617 66,179 1,240,317,534 15,415,341,972 2099 18,230,940,614 37,774 1,595,205,651 19,836,094,094 19,826,108,991 3,333,642,447 79,563 1,404,527,43 1,405,527,33 14,750,090,617 2090 14,750,090,617 66,179 1,240,317,534 15,415,341,972 2091 13,415,341,972 54,940 1,348,400,19 16,641,270,51 2092 16,764,127,051 345,561 1,406,857,44 20,316,467 20,316,467 20,316,467 20,316,467 20,316,467 20,316,467 20,316,467 20,316,467 20,316,467 20,316,467 20,316,467 20,316,467 20,316,467 20,316,467 20,316,467 20,316,467 20,316,467 20,316,467 20,316,46	2071	2 005 704 072		1 242 440		252 451 704	2 126 002 207
2073 3,410,337,240 961,390 298,362,448 3,707,788,298 2074 3,707,788,298 841,402 324,390,290 4,301,287,186 2075 4,031,287,186 734,173 352,705,509 4,301,287,186 2076 4,383,258,522 638,768 383,507,175 4,766,126,929 2077 4,766,126,929 5,542,555 417,011,888 5,182,584,532 2078 5,182,584,532 479,688 453,455,160 5,635,560,004 2079 5,635,560,004 441,124 493,003,382 6,128,239,662 2080 6,128,239,262 356,614 356,205,334 6,640,873,892 2081 6,664,087,982 306,236 583,094,301 7,246,876,047 2082 7,246,876,047 262,175 634,901,184 7,880,704,056 2083 7,880,704,056 225,685 669,551,819 8,700,321,90 2084 8,570,032,100 190,133 749,866,498 9,319,711,555 2085 9,319,711,555 160,976 1815,467,718 10,135,018,297 2086 10,135,018,297 135,737 886,808,162 11,021,690,722 2087 11,021,690,722 114,003 964,392,951 11,985,996,670 2088 13,985,966,670 95,396 1,048,766,173 13,034,642,447 2089 13,034,642,447 79,563 1,140,27,733 14,175,906,617 2090 14,175,900,617 66,179 1,240,317,534 13,415,419,72 2091 15,415,441,972 54,940 1,348,840,19 16,764,127,051 2092 16,764,127,051 45,561 1,466,859,124 18,230,490,64 2093 18,230,940,614 37,7774 1,595,206,611 1,982,610,849 2094 19,826,108,491 31,339 1,734,783,122 21,560,860,279 2095 21,560,860,274 26,041 1,886,574,135 23,474,083,86 2006 23,447,408,368 21,694 20,516,47,283 24,990,339,57 2007 24,499,33,957 18,144 22,211,64,677 27,701,180,490 2009 30,156,555,360 12,911 2,638,690,20 2009 30,156,555,360 12,911 2,638,690,20 2010 32,795,104,793 7,214 3,600,679,168 45,809,866,047 2009 34,783,727,216 44,814 22,211,64,677 2100 34,883,742,671 5,674 4,344,803,60 24,249,704,879 7,244 3,600,679,168 45,809,866,047 2100 34,883,746,701 5,673 4,746,733,86 2100 37,784,800,90 4,444 5,614 5,614,823,86 2100 37,785,669,1466			-		-		
2074 3,707,738,298 841,402 324,390,200 4,031,287,186 734,173 352,05,599 4383,288,522 2076 4,383,288,522 638,768 383,507,175 4,766,126,929 2077 4,766,126,929 5,542,555 447,011,858 5,182,584,532 2078 5,182,584,532 479,688 453,455,160 5,635,560,004 2079 5,635,560,004 414,124 493,093,382 6,664,687,982 2081 6,664,087,982 306,236 583,094,301 7,246,876,044 2082 7,246,876,044 2021,75 634,099,184 7,880,704,056 2083 7,286,776,047 2021,75 634,099,184 7,880,704,056 2083 7,880,704,056 223,685 689,551,819 8,570,032,190 2084 8,570,032,190 190,133 749,869,498 9,319,711,555 160,976 318,467,718 10,135,018,297 2086 10,135,018,297 135,737 886,808,162 11,021,690,722 114,003 964,392,951 11,021,690,722 2087 11,021,690,722 114,003 964,392,951 11,021,690,722 2088 11,985,696,670 95,396 1,488,768,173 13,034,642,447 2099 14,175,090,617 66,179 1,240,317,534 13,415,419,72 2090 14,175,090,617 66,179 1,240,317,534 13,415,419,72 2091 15,415,41,972 54,940 1,388,401 16,674,128 2099 18,230,940,614 37,774 1,595,205,661 1,886,574,135 2099 1,541,544,972 54,940 1,388,401 16,674,128 2099 2,560,860,274 2,6041 1,886,574,135 2,186,600,274 2,6041 1,886,574,135 2,249,303,957 18,144 2,231,164,677 2,790,800,909 2,549,903,957 18,144 2,231,164,677 2,790,800,909 2,549,903,957 18,144 2,231,164,677 2,790,800,909 2,549,903,957 18,144 2,231,164,677 2,790,800,909 2,549,903,957 18,144 2,231,164,677 2,790,800,909 2,549,903,957 18,144 2,231,164,677 2,790,800,909 2,549,903,957 18,144 2,231,164,677 2,790,800,909 2,549,903,957 18,144 2,231,164,677 2,790,800,909 2,549,903,957 18,144 2,231,606,602,74 2,6041 1,866,574,135 2,490,903,957 2,490,800,909 30,156,555,360 2,191 2,608,800,909 30,156,555,360 2,191 2,608,800,909 30,156,555,360 2,191 2,191 2,608,800,909 32,490,800			-		-		
2075			-		-		
2076			-		-		
2077			-				
2078 5.182,584,532 - 479,688 - 433,455,160 5.635,560,004 2079 5.635,560,004 - 414,124 - 493,093,382 6,128,239,262 2081 6.664,087,982 - 306,236 - 583,094,301 7,246,876,047 2082 7,246,876,047 - 262,175 - 649,090,184 7,880,704,056 2083 7,880,704,056 - 223,685 - 689,551,819 8,570,032,190 2084 8,570,032,190 - 190,133 - 749,869,498 9,319,711,555 2085 9,319,711,555 - 160,976 - 815,467,718 10,135,018,297 2086 10,135,018,297 - 135,737 - 886,808,162 1,021,609,722 2087 11,042,600,722 - 114,003 - 96,392,951 1,198,969,670 2088 11,985,969,670 - 95,396 - 1,048,768,173 13,034,642,447 2091 15,415,341,972 -			-		-		
2079 5,635,560,004			-		-		
2080 6,128,239,262 - 356,614 - 536,205,334 6,664,087,982 2081 6,664,087,982 - 306,236 - 583,094,301 7,246,876,047 2083 7,286,76,047 - 262,175 - 634,090,184 7,880,704,056 2084 8,570,032,190 - 190,133 - 749,869,498 9,319,711,555 2085 9,319,711,555 - 160,976 - 815,467,718 10,135,018,297 2086 10,135,018,297 - 135,737 - 886,080,162 11,021,690,722 2087 11,021,690,722 - 114,003 - 964,392,951 11,985,969,670 2088 11,985,969,670 - 95,396 - 1,140,517,733 13,175,946,612,417 2090 14,175,090,617 - 66,179 - 1,240,317,534 15,415,341,972 2091 15,415,341,972 - 54,940 - 1,348,840,019 16,764,127,051 2092 16,764,127,051 -<			-		-		
2081 6,664,087,982 - 306,236 - \$83,094,301 7,246,876,047 262,175 - 634,090,184 7,880,704,056 262,175 - 634,090,184 7,880,704,056 - 223,685 - 689,551,819 8,570,032,190 2084 8,570,032,190 - 190,133 - 749,869,498 9,319,711,555 2085 160,976 - 1815,647,718 10,135,018,297 2086 10,135,018,297 - 135,737 - 886,808,162 11,021,690,722 2087 11,021,690,722 114,003 - 964,392,951 11,985,666,670 2088 13,034,642,447 - 79,563 - 1,146,587,333 14,175,900,617 2090 14,175,990,617 - 66,179 - 1,240,317,534 14,153,919,27 2091 15,415,341,972 54,940 - 1,348,840,019 16,764,127,051 45,561 - 1,466,859,124 18,230,940,614 2093 18,230,940,614 31,339 - 1,734,783,122 21,560,860,274 2094 19,826,108,491 31,339 -			-		-		
2082 7,246,876,047 - 262,175 - 634,909,184 7,880,704,056 2083 7,800,704,056 - 223,685 - 689,551,819 8,570,032,190 2085 9,319,711,555 - 160,976 - 815,467,718 10,135,018,297 2086 10,135,018,297 - 135,737 - 886,808,162 11,021,690,722 2087 11,021,690,722 114,003 - 964,392,951 11,985,969,670 2088 11,985,969,670 - 95,396 - 1,045,681,73 13,04,642,447 2090 14,175,090,617 - 66,179 - 1,240,317,534 15,415,341,972 2091 15,746,127,051 - 45,561 1,466,859,124 18,230,940,614 2093 18,230,940,614 - 37,774 - 1,595,205,651 19,826,108,491 2095 21,560,860,274 - 26,041 1,886,574,135 23,447,408,368 2096 23,447,408,368 - 21,694 -			-		-		
2083 7,880,704,056 223,685 689,51,819 8,570,032,190 2084 8,570,032,190 190,133 749,869,498 9,319,711,555 2085 9,319,711,555 160,076 815,467,718 10,135,018,297 2086 10,135,018,297 135,737 886,808,162 11,021,690,722 2087 11,021,690,722 114,003 964,392,951 11,985,969,670 2089 13,034,642,447 79,563 1,140,527,733 14,175,900,617 2090 14,175,900,617 66,179 1,240,317,534 15,415,341,972 2091 15,415,341,972 54,940 1,348,840,019 16,764,127,051 2092 16,764,127,051 45,561 1,466,859,124 18,230,940,614 2093 18,230,940,614 37,774 1,559,205,651 19,826,108,491 31,339 1,734,783,122 21,560,860,274 2094 19,826,108,491 31,339 1,734,783,122 21,560,860,274 26,041 1,886,574,135 23,447,408,368 21,694 2,031,64,742 209,473,447,408,368 21,694 2,03			-		-		
2084 8,570,032,190 - 190,133 - 749,869,498 9,319,711,555 2086 10,135,018,297 - 135,737 - 866,808,162 11,021,690,722 2087 11,021,690,722 - 114,003 - 964,392,951 11,985,969,670 2088 11,985,969,670 - 95,396 - 1,048,768,173 13,034,642,447 2089 13,034,642,447 - 79,563 - 1,140,527,733 14,175,090,617 2090 14,175,090,617 - 66,179 - 1,240,317,534 15,415,341,972 2091 15,415,341,972 - 54,940 - 1,348,840,019 16,764,127,051 2092 16,764,127,051 - 45,561 - 1,466,859,124 18,230,940,614 2093 18,230,940,614 - 37,774 - 1,595,626,122 19,826,108,491 2095 21,560,860,274 - 26,041 - 1,886,574,135 23,447,408,368 2096 23,447,408,368			-		-		
2085 9,319,711,555 - 160,976 - 815,467,718 10,135,018,297 2086 10,135,018,297 - 135,737 - 886,081,62 11,021,690,722 2087 11,021,690,722 - 114,003 - 964,392,951 11,985,969,670 2088 11,985,969,670 - 95,396 - 1,048,768,173 13,034,642,447 2089 13,034,642,447 - 79,563 - 1,140,527,733 14,175,090,617 2090 14,175,090,617 - 66,179 - 1,240,317,534 15,415,341,972 2091 15,415,341,972 - 54,940 - 1,348,840,019 16,764,127,051 2092 16,764,127,051 - 45,561 - 1,466,859,124 18,230,940,614 2093 18,230,940,614 - 37,774 - 1,595,205,651 19,826,108,491 2094 19,826,108,491 - 31,339 - 1,734,783,122 21,608,60,274 2095 21,569,860,274			-		-		
2086 10,135,018,297 - 135,737 - 886,808,162 11,021,690,722 2087 11,021,690,722 - 114,003 - 964,302,951 11,985,969,670 2088 11,985,969,670 - 95,396 - 1,048,768,173 13,034,642,447 2089 13,034,642,447 - 79,563 - 1,140,527,733 14,175,090,617 2090 14,175,090,617 - 66,179 - 1,240,317,334 15,415,341,972 2091 15,415,341,972 - 54,940 - 1,348,840,019 16,764,127,051 2092 16,764,127,051 - 45,561 - 1,466,859,124 18,230,940,614 2093 18,230,940,614 - 37,774 - 1,595,205,651 19,826,108,491 2095 21,560,860,274 - 26,041 - 1,886,574,135 23,447,408,368 2096 23,447,408,368 - 21,694 - 2,051,647,283 25,499,033,957 21694 - 2,0			-		-	749,869,498	
2087			-		-	815,467,718	10,135,018,297
2088 11,985,96,670 - 95,396 - 1,048,768,173 13,034,642,447 2089 13,034,642,447 - 79,563 - 1,140,527,733 14,175,090,617 2090 14,175,090,617 - 66,6179 - 1,240,317,534 15,415,341,972 2091 15,415,341,972 - 54,940 - 1,348,840,019 16,764,127,051 2092 16,764,127,051 - 45,561 - 1,466,859,124 18,230,940,614 2094 19,826,108,491 - 31,339 - 1,734,783,122 21,560,860,274 2095 21,560,860,274 - 26,041 - 1,886,574,135 23,447,408,368 2096 23,447,408,368 - 21,694 - 2,051,647,283 25,499,033,957 2097 25,499,033,957 - 18,144 - 2,231,164,677 27,730,180,490 2098 27,730,180,490 - 15,255 - 2,426,390,125 30,156,555,360 2100 32,795,240,478		10,135,018,297	-	135,737	-	886,808,162	11,021,690,722
2089	2087	11,021,690,722	-	114,003	-	964,392,951	11,985,969,670
2090 14,175,090,617 - 66,179 - 1,240,317,534 15,415,341,972 2091 15,415,341,972 - 54,940 - 1,348,840,019 16,764,127,051 2092 16,764,127,051 - 45,561 - 1,466,859,124 18,230,940,614 2093 18,230,940,614 - 37,774 - 1,595,205,651 19,826,108,491 2094 19,826,108,491 - 31,339 - 1,734,783,122 21,560,860,274 2095 21,560,860,274 - 26,041 - 1,886,574,135 23,447,408,368 2096 23,447,408,368 - 21,694 - 2,051,647,283 25,499,033,957 2097 25,499,033,957 - 18,144 - 2,231,164,677 27,730,180,490 2098 27,730,180,490 - 15,255 - 2,426,390,125 30,156,555,360 2100 32,952,240,478 - 11,012 - 2,89,880,800 35,664,812,526 2101 35,664,812,526	2088	11,985,969,670	-	95,396	-	1,048,768,173	13,034,642,447
2091 15,415,341,972 - 54,940 - 1,348,840,019 16,764,127,051 2092 16,764,127,051 - 45,561 - 1,466,859,124 18,230,940,614 2094 19,826,108,491 - 37,774 - 1,595,205,651 19,826,108,491 2094 19,826,108,491 - 31,339 - 1,734,783,122 21,560,860,274 2095 21,560,860,274 - 26,041 - 1,886,574,135 23,447,408,368 2096 23,447,408,368 - 21,694 - 2,051,647,283 25,499,033,957 2097 25,499,033,957 - 18,144 - 2,231,164,677 27,730,180,490 2098 27,730,180,490 - 15,255 - 2,426,390,125 30,156,555,360 2099 30,156,555,360 - 12,911 - 2,638,698,029 32,795,240,478 2100 32,795,240,478 - 11,012 - 2,869,583,060 35,664,812,526 2101 35,664,812,526	2089	13,034,642,447	-	79,563	-	1,140,527,733	14,175,090,617
2092 16,764,127,051 - 45,561 - 1,466,859,124 18,230,940,614 2093 18,230,940,614 - 37,774 - 1,595,206,651 19,826,108,491 2094 19,826,108,491 - 31,339 - 1,734,783,122 21,560,860,274 2095 21,560,860,274 - 26,041 - 1,886,574,135 23,447,408,368 2096 23,447,408,368 - 21,694 - 2,051,647,283 25,499,033,957 2097 25,499,033,957 - 18,144 - 2,231,164,677 27,730,180,490 2098 27,730,180,490 - 15,255 - 2,426,390,125 30,156,555,360 2099 30,156,555,360 - 12,911 - 2,638,698,029 32,795,240,478 2100 32,795,240,478 - 11,012 - 2,686,583,060 35,664,812,526 2101 35,664,812,526 - 9,475 - 3,120,670,681 38,785,473,732 2102 38,785,473,732	2090	14,175,090,617	-	66,179	-	1,240,317,534	15,415,341,972
2093 18,230,940,614 - 37,774 - 1,595,205,651 19,826,108,491 2094 19,826,108,491 - 31,339 - 1,734,783,122 21,560,860,274 2095 21,560,860,274 - 26,041 - 1,886,574,135 23,447,408,368 2096 23,447,408,368 - 21,694 - 2,051,647,283 25,499,033,957 2097 25,499,033,957 - 18,144 - 2,231,164,677 27,730,180,490 2098 27,730,180,490 - 15,255 - 2,426,390,125 30,156,555,360 2100 32,795,240,478 - 11,012 - 2,686,583,060 35,664,812,526 2101 35,664,812,526 - 9,475 - 3,120,670,681 38,785,473,732 2102 38,785,473,732 - 8,230 - 3,393,728,591 42,179,194,093 2103 42,179,194,093 - 7,214 - 3,664,803,610 45,869,866,047 2104 45,869,866,047	2091	15,415,341,972	-	54,940	-	1,348,840,019	16,764,127,051
2093 18,230,940,614 - 37,774 - 1,595,205,651 19,826,108,491 2094 19,826,108,491 - 31,339 - 1,734,783,122 21,560,860,274 2095 21,560,860,274 - 26,041 - 1,886,574,135 23,447,408,368 2096 23,447,408,368 - 21,694 - 2,051,647,283 25,499,033,957 2097 25,499,033,957 - 18,144 - 2,231,164,677 27,730,180,490 2098 27,730,180,490 - 15,255 - 2,426,390,125 30,156,555,360 2100 32,795,240,478 - 11,012 - 2,686,583,060 35,664,812,526 2101 35,664,812,526 - 9,475 - 3,120,670,681 38,785,473,732 2102 38,785,473,732 - 8,230 - 3,393,728,591 42,179,194,093 2103 42,179,194,093 - 7,214 - 3,664,803,610 45,869,866,047 2104 45,869,866,047	2092		-	45,561	_		18,230,940,614
2094 19,826,108,491 - 31,339 - 1,734,783,122 21,560,860,274 2096 21,560,860,274 - 26,041 - 1,886,574,135 23,447,408,368 2096 23,447,408,368 - 21,694 - 2,051,647,283 25,499,033,957 2097 25,499,033,957 - 18,144 - 2,231,164,677 27,730,180,490 2098 27,730,180,490 - 15,255 - 2,426,390,125 30,156,555,360 2099 30,156,555,360 - 12,911 - 2,686,583,600 35,664,812,526 2100 32,795,240,478 - 11,012 - 2,869,583,600 35,664,812,526 2101 35,664,812,526 - 9,475 - 3,120,670,681 38,785,473,732 2102 38,785,473,732 - 8,230 - 3,393,728,591 42,179,194,093 2103 42,179,194,093 - 7,214 - 3,696,866,047 - 6,376 - 4,013,610,000 49,88			_		-		
2095 21,560,860,274 - 26,041 - 1,886,574,135 23,447,408,368 2096 23,447,408,368 - 21,694 - 2,051,647,283 25,499,033,957 2097 25,499,033,957 - 18,144 - 2,231,164,677 27,730,180,490 2098 27,730,180,490 - 15,255 - 2,246,390,125 30,156,555,360 2099 30,156,555,360 - 12,911 - 2,638,698,029 32,795,240,478 2100 32,795,240,478 - 11,012 - 2,869,583,060 35,664,812,526 2101 35,664,812,526 - 9,475 - 3,120,670,681 38,785,473,732 2102 38,785,473,732 - 8,230 - 3,393,728,591 42,179,194,093 2103 42,179,194,093 - 7,214 - 3,690,679,168 45,869,866,047 2104 45,869,866,047 - 6,376 - 4,013,613,000 49,883,472,671 2105 49,883,472,671			_		_		
2096 23,447,408,368 - 21,694 - 2,051,647,283 25,499,033,957 2097 25,499,033,957 - 18,144 - 2,231,164,677 27,730,180,490 2098 27,730,180,490 - 15,255 - 2,426,390,125 30,156,555,360 2099 30,156,555,360 - 12,911 - 2,638,698,029 32,795,240,478 2100 32,795,240,478 - 11,012 - 2,869,583,060 35,664,812,526 2101 35,664,812,526 - 9,475 - 3,120,670,681 38,785,473,732 2102 38,785,473,732 - 8,230 - 3,393,728,591 42,179,194,093 2103 42,179,194,093 - 7,214 - 3,690,679,168 45,869,866,047 2104 45,869,866,047 - 6,376 - 4,013,613,000 49,883,472,671 2105 49,883,472,671 - 5,674 - 4,364,803,610 54,248,270,607 2106 54,248,270,607			_		_		
2097 25,499,033,957 - 18,144 - 2,231,164,677 27,730,180,490 2098 27,730,180,490 - 15,255 - 2,426,390,125 30,156,555,360 2099 30,156,555,360 - 12,911 - 2,638,698,029 32,795,240,478 2100 32,795,240,478 - 11,012 - 2,869,583,060 35,664,812,526 2101 35,664,812,526 - 9,475 - 3,120,670,681 38,785,473,732 2102 38,785,473,732 - 8,230 - 3,393,728,591 42,179,194,093 2103 42,179,194,093 - 7,214 - 3,690,679,168 45,869,866,047 2104 45,869,866,047 - 6,376 - 4,013,613,000 49,883,472,671 2105 49,883,472,671 - 5,674 - 4,364,803,610 54,248,270,607 2106 54,248,270,607 - 5,073 - 4,746,723,456 58,994,988,990 2107 58,994,988,990			_		_		
2098 27,730,180,490 - 15,255 - 2,426,390,125 30,156,555,360 2099 30,156,555,360 - 12,911 - 2,638,698,029 32,795,240,478 2100 32,795,240,478 - 11,012 - 2,869,583,060 35,664,812,526 2101 35,664,812,526 - 9,475 - 3,120,670,681 38,785,473,732 2102 38,785,473,732 - 8,230 - 3,393,728,591 42,179,194,093 2103 42,179,194,093 - 7,214 - 3,690,679,168 45,869,866,047 2104 45,869,866,047 - 6,376 - 4,013,613,000 49,883,472,671 2105 49,883,472,671 - 5,674 - 4,364,803,610 54,248,270,607 2107 58,994,988,990 - 5,674 - 4,746,723,456 58,994,988,990 2108 64,157,045,782 - 4,073 - 5,613,741,328 69,770,783,037 2109 69,770,783,037			_		_		
2099 30,156,555,360 - 12,911 - 2,638,698,029 32,795,240,478 2100 32,795,240,478 - 11,012 - 2,869,583,060 35,664,812,526 2101 35,664,812,526 - 9,475 - 3,120,670,681 38,785,473,732 2102 38,785,473,732 - 8,230 - 3,393,728,591 42,179,194,093 2103 42,179,194,093 - 7,214 - 3,690,679,168 45,869,866,047 2104 45,869,866,047 - 6,376 - 4,013,613,000 49,883,472,671 2105 49,883,472,671 - 5,674 - 4,364,803,610 54,248,270,607 2106 54,248,270,607 - 5,073 - 4,746,723,456 58,994,988,990 2107 58,994,988,990 - 4,546 - 5,162,061,338 64,157,045,782 2108 64,157,045,782 - 4,073 - 5,613,741,328 69,770,783,037 2110 75,875,722,751 <			_		_		
2100 32,795,240,478 - 11,012 - 2,869,583,060 35,664,812,526 2101 35,664,812,526 - 9,475 - 3,120,670,681 38,785,473,732 2102 38,785,473,732 - 8,230 - 3,393,728,591 42,179,194,093 2103 42,179,194,093 - 7,214 - 3,690,679,168 45,869,866,047 2104 45,869,866,047 - 6,376 - 4,013,613,000 49,883,472,671 2105 49,883,472,671 - 5,674 - 4,364,803,610 54,248,270,607 2106 54,248,270,607 - 5,073 - 4,746,723,456 58,994,988,990 2107 58,994,988,990 - 4,546 - 5,162,061,338 64,157,045,782 2108 64,157,045,782 - 4,073 - 5,613,741,328 69,770,783,037 2110 75,875,722,751 - 3,238 - 6,639,125,599 82,514,845,112 2111 82,514,845,112 <t< td=""><td></td><td></td><td>_</td><td></td><td>_</td><td></td><td></td></t<>			_		_		
2101 35,664,812,526 - 9,475 - 3,120,670,681 38,785,473,732 2102 38,785,473,732 - 8,230 - 3,393,728,591 42,179,194,093 2103 42,179,194,093 - 7,214 - 3,690,679,168 45,869,866,047 2104 45,869,866,047 - 6,376 - 4,013,613,000 49,883,472,671 2105 49,883,472,671 - 5,674 - 4,364,803,610 54,248,270,607 2106 54,248,270,607 - 5,073 - 4,746,723,456 58,994,988,990 2107 58,994,988,990 - 4,546 - 5,162,061,338 64,157,045,782 2108 64,157,045,782 - 4,073 - 5,613,741,328 69,770,783,037 2109 69,770,783,037 - 3,642 - 6,104,943,356 75,875,722,751 2110 75,875,722,751 - 3,238 - 6,639,125,599 82,514,845,112 2111 82,514,845,112 <td< td=""><td></td><td></td><td>_</td><td></td><td>_</td><td></td><td></td></td<>			_		_		
2102 38,785,473,732 - 8,230 - 3,393,728,591 42,179,194,093 2103 42,179,194,093 - 7,214 - 3,690,679,168 45,869,866,047 2104 45,869,866,047 - 6,376 - 4,013,613,000 49,883,472,671 2105 49,883,472,671 - 5,674 - 4,364,803,610 54,248,270,607 2106 54,248,270,607 - 5,073 - 4,746,723,456 58,994,988,990 2107 58,994,988,990 - 4,546 - 5,162,061,338 64,157,045,782 2108 64,157,045,782 - 4,073 - 5,613,741,328 69,770,783,037 2109 69,770,783,037 - 3,238 - 6,639,125,599 82,514,845,112 2111 82,514,845,112 - 2,851 - 7,220,048,823 89,734,891,084 2112 89,734,891,084 - 2,479 - 7,851,802,861 97,586,691,466 2113 97,586,691,466 <td< td=""><td></td><td></td><td>_</td><td></td><td>_</td><td></td><td></td></td<>			_		_		
2103 42,179,194,093 - 7,214 - 3,690,679,168 45,869,866,047 2104 45,869,866,047 - 6,376 - 4,013,613,000 49,883,472,671 2105 49,883,472,671 - 5,674 - 4,364,803,610 54,248,270,607 2106 54,248,270,607 - 5,073 - 4,746,723,456 58,994,988,990 2107 58,994,988,990 - 4,546 - 5,162,061,338 64,157,045,782 2108 64,157,045,782 - 4,073 - 5,613,741,328 69,770,783,037 2109 69,770,783,037 - 3,642 - 6,639,125,599 82,514,845,112 2110 75,875,722,751 - 3,238 - 6,639,125,599 82,514,845,112 2111 82,514,845,112 - 2,851 - 7,220,048,823 89,734,891,084 2112 89,734,891,084 - 2,479 - 7,851,802,861 97,586,691,466 2113 97,586,691,466 - 2,124 - 8,538,835,410 106,125,524,752 2			_		_		
2104 45,869,866,047 - 6,376 - 4,013,613,000 49,883,472,671 2105 49,883,472,671 - 5,674 - 4,364,803,610 54,248,270,607 2106 54,248,270,607 - 5,073 - 4,746,723,456 58,994,988,990 2107 58,994,988,990 - 4,546 - 5,162,061,338 64,157,045,782 2108 64,157,045,782 - 4,073 - 5,613,741,328 69,770,783,037 2109 69,770,783,037 - 3,642 - 6,104,943,356 75,875,722,751 2110 75,875,722,751 - 3,238 - 6,639,125,599 82,514,845,112 2111 82,514,845,112 - 2,851 - 7,220,048,823 89,734,891,084 2112 89,734,891,084 - 2,479 - 7,851,802,861 97,586,691,466 2113 97,586,691,466 - 2,124 - 8,538,835,410 106,125,524,752 2114 106,125,524,752 - 1,790 - 9,285,983,337 115,411,506,299 <td< td=""><td></td><td></td><td>_</td><td></td><td>_</td><td></td><td></td></td<>			_		_		
2105 49,883,472,671 - 5,674 - 4,364,803,610 54,248,270,607 2106 54,248,270,607 - 5,073 - 4,746,723,456 58,994,988,990 2107 58,994,988,990 - 4,546 - 5,162,061,338 64,157,045,782 2108 64,157,045,782 - 4,073 - 5,613,741,328 69,770,783,037 2109 69,770,783,037 - 3,642 - 6,104,943,356 75,875,722,751 2110 75,875,722,751 - 3,238 - 6,639,125,599 82,514,845,112 2111 82,514,845,112 - 2,851 - 7,220,048,823 89,734,891,084 2112 89,734,891,084 - 2,479 - 7,851,802,861 97,586,691,466 2113 97,586,691,466 - 2,124 - 8,538,835,410 106,125,524,752 2114 106,125,524,752 - 1,790 - 9,285,983,337 115,411,506,299 2115 115,411,506,299 - 1,481 - 10,098,506,736 125,510,011,554			_		_		
2106 54,248,270,607 - 5,073 - 4,746,723,456 58,994,988,990 2107 58,994,988,990 - 4,546 - 5,162,061,338 64,157,045,782 2108 64,157,045,782 - 4,073 - 5,613,741,328 69,770,783,037 2109 69,770,783,037 - 3,642 - 6,104,943,356 75,875,722,751 2110 75,875,722,751 - 3,238 - 6,639,125,599 82,514,845,112 2111 82,514,845,112 - 2,851 - 7,220,048,823 89,734,891,084 2112 89,734,891,084 - 2,479 - 7,851,802,861 97,586,691,466 2113 97,586,691,466 - 2,124 - 8,538,835,410 106,125,524,752 2114 106,125,524,752 - 1,790 - 9,285,983,337 115,411,506,299 2115 115,411,506,299 - 1,481 - 10,098,506,736 125,510,011,554 2116 125,510,011,554 - 1,199 - 10,982,125,959 136,492,136,314			_		_		
2107 58,994,988,990 - 4,546 - 5,162,061,338 64,157,045,782 2108 64,157,045,782 - 4,073 - 5,613,741,328 69,770,783,037 2109 69,770,783,037 - 3,642 - 6,104,943,356 75,875,722,751 2110 75,875,722,751 - 3,238 - 6,639,125,599 82,514,845,112 2111 82,514,845,112 - 2,851 - 7,220,048,823 89,734,891,084 2112 89,734,891,084 - 2,479 - 7,851,802,861 97,586,691,466 2113 97,586,691,466 - 2,124 - 8,538,835,410 106,125,524,752 2114 106,125,524,752 - 1,790 - 9,285,983,337 115,411,506,299 2115 115,411,506,299 - 1,481 - 10,098,506,736 125,510,011,554 2116 125,510,011,554 - 1,199 - 10,982,125,959 136,492,136,314 2117 136,492,136,314 - 949 - 11,943,061,886 148,435,197,251			_		_		
2108 64,157,045,782 - 4,073 - 5,613,741,328 69,770,783,037 2109 69,770,783,037 - 3,642 - 6,104,943,356 75,875,722,751 2110 75,875,722,751 - 3,238 - 6,639,125,599 82,514,845,112 2111 82,514,845,112 - 2,851 - 7,220,048,823 89,734,891,084 2112 89,734,891,084 - 2,479 - 7,851,802,861 97,586,691,466 2113 97,586,691,466 - 2,124 - 8,538,835,410 106,125,524,752 2114 106,125,524,752 - 1,790 - 9,285,983,337 115,411,506,299 2115 115,411,506,299 - 1,481 - 10,098,506,736 125,510,011,554 2116 125,510,011,554 - 1,199 - 10,982,125,959 136,492,136,314 2117 136,492,136,314 - 949 - 11,943,061,886 148,435,197,251 2118 148,435,197,251 - 732 - 12,988,079,727 161,423,276,246			_		_		
2109 69,770,783,037 - 3,642 - 6,104,943,356 75,875,722,751 2110 75,875,722,751 - 3,238 - 6,639,125,599 82,514,845,112 2111 82,514,845,112 - 2,851 - 7,220,048,823 89,734,891,084 2112 89,734,891,084 - 2,479 - 7,851,802,861 97,586,691,466 2113 97,586,691,466 - 2,124 - 8,538,835,410 106,125,524,752 2114 106,125,524,752 - 1,790 - 9,285,983,337 115,411,506,299 2115 115,411,506,299 - 1,481 - 10,098,506,736 125,510,011,554 2116 125,510,011,554 - 1,199 - 10,982,125,959 136,492,136,314 2117 136,492,136,314 - 949 - 11,943,061,886 148,435,197,251 2118 148,435,197,251 - 732 - 12,988,079,727 161,423,276,246 2119 161,423,276,246 - 550 - 14,124,536,647 175,547,812,343 <td></td> <td></td> <td>_</td> <td></td> <td>_</td> <td></td> <td></td>			_		_		
2110 75,875,722,751 - 3,238 - 6,639,125,599 82,514,845,112 2111 82,514,845,112 - 2,851 - 7,220,048,823 89,734,891,084 2112 89,734,891,084 - 2,479 - 7,851,802,861 97,586,691,466 2113 97,586,691,466 - 2,124 - 8,538,835,410 106,125,524,752 2114 106,125,524,752 - 1,790 - 9,285,983,337 115,411,506,299 2115 115,411,506,299 - 1,481 - 10,098,506,736 125,510,011,554 2116 125,510,011,554 - 1,199 - 10,982,125,959 136,492,136,314 2117 136,492,136,314 - 949 - 11,943,061,886 148,435,197,251 2118 148,435,197,251 - 732 - 12,988,079,727 161,423,276,246 2119 161,423,276,246 - 550 - 14,124,536,647 175,547,812,343			_		_		
2111 82,514,845,112 - 2,851 - 7,220,048,823 89,734,891,084 2112 89,734,891,084 - 2,479 - 7,851,802,861 97,586,691,466 2113 97,586,691,466 - 2,124 - 8,538,835,410 106,125,524,752 2114 106,125,524,752 - 1,790 - 9,285,983,337 115,411,506,299 2115 115,411,506,299 - 1,481 - 10,098,506,736 125,510,011,554 2116 125,510,011,554 - 1,199 - 10,982,125,959 136,492,136,314 2117 136,492,136,314 - 949 - 11,943,061,886 148,435,197,251 2118 148,435,197,251 - 732 - 12,988,079,727 161,423,276,246 2119 161,423,276,246 - 550 - 14,124,536,647 175,547,812,343			-		-		
2112 89,734,891,084 - 2,479 - 7,851,802,861 97,586,691,466 2113 97,586,691,466 - 2,124 - 8,538,835,410 106,125,524,752 2114 106,125,524,752 - 1,790 - 9,285,983,337 115,411,506,299 2115 115,411,506,299 - 1,481 - 10,098,506,736 125,510,011,554 2116 125,510,011,554 - 1,199 - 10,982,125,959 136,492,136,314 2117 136,492,136,314 - 949 - 11,943,061,886 148,435,197,251 2118 148,435,197,251 - 732 - 12,988,079,727 161,423,276,246 2119 161,423,276,246 - 550 - 14,124,536,647 175,547,812,343			-		-		
2113 97,586,691,466 - 2,124 - 8,538,835,410 106,125,524,752 2114 106,125,524,752 - 1,790 - 9,285,983,337 115,411,506,299 2115 115,411,506,299 - 1,481 - 10,098,506,736 125,510,011,554 2116 125,510,011,554 - 1,199 - 10,982,125,959 136,492,136,314 2117 136,492,136,314 - 949 - 11,943,061,886 148,435,197,251 2118 148,435,197,251 - 732 - 12,988,079,727 161,423,276,246 2119 161,423,276,246 - 550 - 14,124,536,647 175,547,812,343			-		-		
2114 106,125,524,752 - 1,790 - 9,285,983,337 115,411,506,299 2115 115,411,506,299 - 1,481 - 10,098,506,736 125,510,011,554 2116 125,510,011,554 - 1,199 - 10,982,125,959 136,492,136,314 2117 136,492,136,314 - 949 - 11,943,061,886 148,435,197,251 2118 148,435,197,251 - 732 - 12,988,079,727 161,423,276,246 2119 161,423,276,246 - 550 - 14,124,536,647 175,547,812,343			-		-		
2115 115,411,506,299 - 1,481 - 10,098,506,736 125,510,011,554 2116 125,510,011,554 - 1,199 - 10,982,125,959 136,492,136,314 2117 136,492,136,314 - 949 - 11,943,061,886 148,435,197,251 2118 148,435,197,251 - 732 - 12,988,079,727 161,423,276,246 2119 161,423,276,246 - 550 - 14,124,536,647 175,547,812,343			-				
2116 125,510,011,554 - 1,199 - 10,982,125,959 136,492,136,314 2117 136,492,136,314 - 949 - 11,943,061,886 148,435,197,251 2118 148,435,197,251 - 732 - 12,988,079,727 161,423,276,246 2119 161,423,276,246 - 550 - 14,124,536,647 175,547,812,343			-		-		
2117 136,492,136,314 - 949 - 11,943,061,886 148,435,197,251 2118 148,435,197,251 - 732 - 12,988,079,727 161,423,276,246 2119 161,423,276,246 - 550 - 14,124,536,647 175,547,812,343			-		-		
2118 148,435,197,251 - 732 - 12,988,079,727 161,423,276,246 2119 161,423,276,246 - 550 - 14,124,536,647 175,547,812,343			-		-		
2119 161,423,276,246 - 550 - 14,124,536,647 175,547,812,343			-		-		
			-		-		
2120 175,547,812,343 - 401 - 15,360,433,562 190,908,245,504			-		-		
	2120	175,547,812,343	-	401	-	15,360,433,562	190,908,245,504

 $Table \ 3$ Hypothetical Assumptions: Discount Rate = 8.75%

Fiscal Year Beginning 10/1	Projected Beginning Fiduciary Net Position	Projected Total Contributions	Projected Benefit Payments*	Projected Administrative Expense	Projected Investment Earnings	Projected Ending Fiduciary Net Position
2121	190,908,245,504	-	282	-	16,704,471,469	207,612,716,691
2122	207,612,716,691	-	192	-	18,166,112,702	225,778,829,201
2123	225,778,829,201	-	126	-	19,755,647,550	245,534,476,625
2124	245,534,476,625	-	80	-	21,484,266,701	267,018,743,246
2125	267,018,743,246	-	48	-	23,364,140,032	290,382,883,230
2126	290,382,883,230	-	28	-	25,408,502,281	315,791,385,483
2127	315,791,385,483	-	16	-	27,631,746,229	343,423,131,696
2128	343,423,131,696	-	8	-	30,049,524,023	373,472,655,711
2129	373,472,655,711	-	4	-	32,678,857,375	406,151,513,082
2130	406,151,513,082	-	2	-	35,538,257,395	441,689,770,475
2131	441,689,770,475	-	1	-	38,647,854,917	480,337,625,391
2132	480,337,625,391	-	1	-	42,029,542,222	522,367,167,612
2133	522,367,167,612	-	-	-	45,707,127,166	568,074,294,778

^{*}All DROP and Share Balances paid in 2021.

Number of Years Expected Benefit Payments Sustained: 999.99

This projection assumes no further contributions, assumes no further benefit accruals, and assumes Market Value of Assets earn 8.75% interest.

It is important to note that as long as the Actuarially Determined Contribution is made each year, the Plan will never become insolvent. Furthermore, State and local laws mandate that the Actuarially Determined Contribution be made each year.

ACTUAL AND HYPOTHETICAL CONTRIBUTIONS APPLICABLE TO THE FISCAL YEAR ENDING SEPTEMBER 30, 2023

Valuation Date: 10/1/2021

	ACTUAL	HYPOTHETICAL		
Investment Rate of Return:	6.75%	4.75%	8.75%	
Minimum Required Contribution (Fixed \$)	\$6,535,006	\$11,038,263	\$2,807,276	
Minimum Required Contribution (% of Payroll)	38.75%	65.46%	16.65%	
Expected Member Contribution	2,494,217	4,745,590	630,722	
Expected State Money	874,340	874,340	874,340	
Expected Sponsor Contribution (Fixed \$)	\$3,166,449	\$5,418,333	\$1,302,214	
Expected Sponsor Contribution (% of Payroll)	18.78%	32.14%	7.73%	
<u>ASSETS</u>				
Actuarial Value ¹	183,584,777	183,584,777	183,584,777	
Market Value 1	183,584,777	183,584,777	183,584,777	
<u>LIABILITIES</u>				
Present Value of Benefits				
Active Members				
Retirement Benefits	84,155,064	125,476,265	59,776,755	
Disability Benefits	1,353,824	1,952,804	986,332	
Death Benefits	362,650	474,971	282,190	
Vested Benefits	5,097,341	8,608,706	3,199,998	
Refund of Contributions	1,706,795	2,661,423	1,019,535	
Service Retirees	94,433,602	113,877,880	80,387,188	
DROP Retirees ¹	15,197,052	17,917,118	13,324,185	
Beneficiaries	2,707,179	3,161,352	2,368,867	
Disability Retirees	7,720,291	9,730,508	6,374,103	
Terminated Vested	3,074,235	4,022,913	2,438,939	
Share Plan Balances ¹	714,050	714,050	714,050	
Gain Sharing Reserve ¹	4,376,447	4,376,447	4,376,447	
Funding Credit Balance 1	17,586,710	17,586,710	17,586,710	
Total:	238,485,240	310,561,147	192,835,299	
Present Value of Future Salaries	142,662,688	161,848,269	127,475,619	
Present Value of Future				
Member Contributions	21,099,812	45,544,103	4,767,588	
Total Normal Cost	3,834,734	6,114,047	2,473,170	
Present Value of Future				
Normal Costs (Entry Age Normal)	31,095,156	56,669,063	17,775,603	
Total Actuarial Accrued Liability (EAN) ¹	207,390,084	253,892,084	175,059,696	
Unfunded Actuarial Accrued Liability (UAAL)	23,805,307	70,307,307	(8,525,081)	

ACTUAL AND HYPOTHETICAL CONTRIBUTIONS APPLICABLE TO THE FISCAL YEAR ENDING SEPTEMBER 30, 2023

Valuation Date: 10/1/2021

	ACTUAL	НҮРОТНІ	HYPOTHETICAL		
Investment Rate of Return:	6.75%	4.75%	8.75%		
PENSION COST					
Normal Cost (with interest)	3,964,156	6,259,256	2,581,371		
Administrative Expenses (with interest)	182,259	180,496	184,023		
Payment Required To Amortize UAAL (with interest)	2,388,591	4,598,511	41,882		
Minimum Required Contribution	\$6,535,006	\$11,038,263	\$2,807,276		

¹ The asset values and liabilities include accumulated DROP and Share Plan Balances along with Funding Credit Balances and Gain Sharing Reserves as of 9/30/2021.