WESTERN PENNSYLVANIA TEAMSTERS AND EMPLOYERS PENSION FUND SUSPENSION APPLICATION

Exhibit 13

Demonstration of Sensitivity of Projections



Exhibit 13

Demonstration of Sensitivity of Projections in accordance with Revenue Procedure 2017-43 Section 6.05

Section 6.05 of the Revenue Procedure requires projections that demonstrate the following sensitivities:

- (1) The assumed rate of return is reduced by 1% (page 1).
- (2) The assumed investment return is reduced by 2% (page 7).
- (3) Future contribution base units increase or decrease at a rate equal to the average annual rate of increase or decrease that the plan experienced over the ten year period immediately preceding the year of application (page 11).
- (4) Future contribution base units increase or decrease at a rate equal to the rate in #3 above reduced by 1% (page 15).

As discussed in this Application and in Exhibit 11 describing the actuarial assumptions, the active contributing population of the Western Pennsylvania Teamsters and Employers Plan is heavily weighted toward United Parcel Service participants who make up 29% of the total active population and who represent 58% of total employer contributions. In addition, the United Parcel Service population has had a much different pattern of population decline than the other active participants. As a result, we have determined the average annual rate of population changes separately for UPS and all other active participants as follows:

		All	
UPS		Others	
Contribution	Base Unit	Contribution	Base Unit
Base Units	<u>Decline</u>	Base Units	<u>Decline</u>
63,453		277,036	
61,851	2.52%	249,816	9.83%
60,200	2.67%	231,555	7.31%
59,304	1.49%	225,492	2.62%
55,855	5.82%	209,073	7.28%
54,801	1.89%	210,185	-0.53%
55,432	-1.15%	211,282	-0.52%
57,685	-4.06%	208,720	1.21%
59,220	-2.66%	188,560	9.66%
57,637	2.67%	155,660	17.45%
Average -	1.02%	Average -	6.03%

A 11



Plan Year Beginning Plan Year Ending	7/1/2018 12/31/2018	1/1/2019 12/31/2019	1/1/2020 12/31/2020	1/1/2021 12/31/2021	1/1/2022 12/31/2022
Asset Values	0.05 505 551	# <0< # 00 0<0	#564.706.007	0507.450.444	0500 405 005
 Market Value at Beginning of Year Actuarial Value at Beginning of Year 	\$627,595,751 N/A	\$606,798,069 633,727,381	\$564,796,987 585,919,159	\$537,453,444 561,158,096	\$509,485,285 534,042,491
2. Netdariai Vardo de Beginning of Tear	14/14	055,727,501	303,717,137	501,150,050	33 1,0 12,171
<u>Income</u>					
3. Employer Contributions	27,257,870	54,886,490	55,881,873	56,925,797	57,995,119
4. Current Withdrawal Income	4,978,114	9,990,755	9,950,755	9,950,755	9,916,843
Future Withdrawal Income	0	263,425	539,219	826,970	1,125,946
6. Net Investment Income	19,558,843	28,893,667	27,670,237	26,755,236	25,754,638
Disbursements					
7. Benefit Payments					
a. Current Retirees & Beneficiaries	66,718,612	121,878,535	103,969,874	101,155,116	98,263,485
b. Terminated Vested Participants	2,260,331	5,621,168	7,259,929	8,887,563	10,414,085
c. Current Active Participants	1,491,093	4,870,569	6,951,605	9,139,370	11,404,443
d. Future New Entrants	0	0	0	0	0
8. Administrative Expenses	2,122,474	3,665,148	3,204,219	3,244,868	3,285,453
Market Value at End of Year (1+3+4+5+6-7d-8)	606,798,069	564,796,987	537,453,444	509,485,285	480,910,365
Available Resources (1+3+4+5+6-8)	677,268,104	697,167,258	655,634,852	628,667,334	600,992,378
Solvency Ratio	4.81	5.27	5.55	5.27	5.00
Accrued Liability	N/A	1,410,257,908	1,386,682,460	1,377,848,315	1,367,698,273
Funded Percentage	N/A	44.94%	42.25%	40.73%	39.05%



Plan Year Beginning Plan Year Ending	1/1/2023 12/31/2023	1/1/2024 12/31/2024	1/1/2025 12/31/2025	1/1/2026 12/31/2026	1/1/2027 12/31/2027
Asset Values	0400 010 065	0451 (04 (00	0.40.1 000 47.6	#202 214 027	#2/2 214 001
 Market Value at Beginning of Year Actuarial Value at Beginning of Year 	\$480,910,365 503,224,072	\$451,604,628 471,700,248	\$421,999,476 440,003,775	\$392,214,927 408,225,566	\$362,314,001 376,436,179
Income					
3. Employer Contributions	59,116,902	60,293,957	61,528,637	62,827,808	64,201,625
4. Current Withdrawal Income	9,663,655	9,663,655	9,663,655	9,663,655	9,663,655
5. Future Withdrawal Income	1,437,514	1,761,907	2,099,309	2,450,266	2,815,212
6. Net Investment Income	24,664,671	23,489,566	22,244,406	20,933,718	19,567,866
o. Net investment income	24,004,071	23,469,500	22,244,400	20,933,718	19,507,600
<u>Disbursements</u>					
7. Benefit Payments					
a. Current Retirees & Beneficiaries	95,276,712	92,140,090	88,921,342	85,648,648	82,308,723
b. Terminated Vested Participants	11,865,125	13,235,418	14,553,640	15,805,645	16,879,230
c. Current Active Participants	13,720,464	16,043,124	18,384,162	20,783,479	23,132,523
d. Future New Entrants	0	28,889	53,944	90,438	139,492
8. Administrative Expenses	3,326,178	3,366,716	3,407,468	3,448,163	3,489,203
Market Value at End of Year (1+3+4+5+6-7d-8)	451,604,628	421,999,476	392,214,927	362,314,001	332,613,188
Available Resources (1+3+4+5+6-8)	572,466,929	543,446,997	514,128,015	484,642,211	455,073,156
Solvency Ratio	4.74	4.47	4.22	3.96	3.72
Accrued Liability	1,356,085,960	1,343,086,993	1,328,792,211	1,313,080,819	1,295,851,314
Funded Percentage	37.11%	35.12%	33.11%	31.09%	29.05%



Plan Year Beginning Plan Year Ending	1/1/2028 12/31/2028	1/1/2029 12/31/2029	1/1/2030 12/31/2030	1/1/2031 12/31/2031	1/1/2032 12/31/2032
Asset Values 1. Market Value at Beginning of Year	\$332,613,188	\$305,667,760	\$279,230,255	\$253,456,692	\$228,691,771
2. Actuarial Value at Beginning of Year	344,959,485	314,709,906	285,895,872	258,530,658	232,828,037
<u>Income</u>					
3. Employer Contributions	65,643,576	67,348,311	69,121,684	70,962,930	72,866,029
4. Current Withdrawal Income	9,659,913	9,632,735	9,474,527	9,362,948	9,362,948
5. Future Withdrawal Income	3,194,384	3,496,592	3,811,825	4,140,527	4,482,581
6. Net Investment Income	20,232,567	18,495,397	16,796,306	15,150,434	13,584,028
<u>Disbursements</u>					
7. Benefit Payments					
a. Current Retirees & Beneficiaries	78,882,545	75,462,760	72,002,422	68,516,095	64,990,679
b. Terminated Vested Participants	17,743,963	18,608,963	19,391,264	20,081,784	20,667,125
c. Current Active Participants	25,313,778	27,472,229	29,563,791	31,584,801	33,510,340
d. Future New Entrants	206,078	295,831	408,300	545,475	709,632
8. Administrative Expenses	3,529,504	3,570,756	3,612,129	3,653,605	3,695,193
Market Value at End of Year (1+3+4+5+6-7d-8)	305,667,760	279,230,255	253,456,692	228,691,771	205,414,388
Available Resources (1+3+4+5+6-8)	427,814,124	401,070,038	374,822,469	349,419,926	325,292,164
Solvency Ratio	3.50	3.29	3.09	2.89	2.71
Accrued Liability	1,277,292,702	1,257,736,188	1,237,148,441	1,215,640,028	1,193,272,716
Funded Percentage	27.01%	25.02%	23.11%	21.27%	19.51%



Plan Year Beginning Plan Year Ending	1/1/2033 12/31/2033	1/1/2034 12/31/2034	1/1/2035 12/31/2035	1/1/2036 12/31/2036	1/1/2037 12/31/2037
Asset Values		****	****	****	********
1. Market Value at Beginning of Year	\$205,414,388	\$183,894,571	\$164,846,035	\$148,736,759	\$134,716,991
2. Actuarial Value at Beginning of Year	209,149,146	187,247,520	167,843,324	151,412,502	137,109,903
Income					
3. Employer Contributions	74,848,974	76,918,729	79,073,341	81,307,534	83,621,914
4. Current Withdrawal Income	9,192,149	9,190,205	9,180,596	7,865,885	1,578,866
5. Future Withdrawal Income	4,838,600	5,209,242	5,595,279	5,997,000	6,415,086
6. Net Investment Income	12,122,833	10,796,562	9,644,512	8,662,025	7,691,842
<u>Disbursements</u>					
7. Benefit Payments					
a. Current Retirees & Beneficiaries	61,506,151	58,014,630	54,540,092	51,088,831	47,701,827
b. Terminated Vested Participants	21,123,895	21,467,019	21,742,366	21,895,032	21,963,859
c. Current Active Participants	35,241,194	36,743,308	38,031,046	39,171,509	40,103,221
d. Future New Entrants	914,089	1,159,877	1,469,521	1,834,999	2,249,855
8. Administrative Expenses	3,737,044	3,778,440	3,819,979	3,861,840	3,903,725
Market Value at End of Year (1+3+4+5+6-7d-8)	183,894,571	164,846,035	148,736,759	134,716,991	118,102,211
Available Resources (1+3+4+5+6-8)	302,679,900	282,230,869	264,519,784	248,707,362	230,120,973
Solvency Ratio	2.55	2.40	2.28	2.18	2.05
Accrued Liability	1,170,196,994	1,146,685,727	1,123,115,103	1,099,719,605	1,076,759,131
Funded Percentage	17.87%	16.33%	14.94%	13.77%	12.73%



Plan Year Beginning Plan Year Ending	1/1/2038 12/31/2038	1/1/2039 12/31/2039	1/1/2040 12/31/2040	1/1/2041 12/31/2041	1/1/2042 12/31/2042
Asset Values					
1. Market Value at Beginning of Year	\$118,102,211	\$103,807,948	\$90,419,859	\$77,807,969	\$66,048,278
2. Actuarial Value at Beginning of Year	120,238,145	105,696,690	92,074,594	79,241,009	67,273,534
<u>Income</u>					
3. Employer Contributions	86,024,314	85,517,104	85,026,230	84,554,607	84,095,678
4. Current Withdrawal Income	0	0	0	0	0
5. Future Withdrawal Income	6,850,523	7,056,725	6,994,781	6,916,217	6,821,603
6. Net Investment Income	6,684,346	5,790,315	4,952,108	4,166,506	3,437,139
<u>Disbursements</u>					
7. Benefit Payments					
a. Current Retirees & Beneficiaries	44,371,360	41,109,348	37,931,241	34,840,603	31,855,970
b. Terminated Vested Participants	21,982,148	21,912,772	21,754,300	21,526,476	21,214,010
c. Current Active Participants	40,812,089	41,413,693	41,866,134	42,192,762	42,410,484
d. Future New Entrants	2,741,755	3,327,827	4,001,765	4,762,089	5,627,864
8. Administrative Expenses	3,946,094	3,988,593	4,031,569	4,075,091	4,118,973
Market Value at End of Year (1+3+4+5+6-7d-8)	103,807,948	90,419,859	77,807,969	66,048,278	55,175,397
Available Resources (1+3+4+5+6-8)	213,715,300	198,183,499	183,361,409	169,370,208	156,283,725
Solvency Ratio	1.94	1.84	1.74	1.64	1.55
Accrued Liability	1,054,538,232	1,033,307,354	1,012,693,276	992,823,482	973,772,514
Funded Percentage	11.40%	10.23%	9.09%	7.98%	6.91%



Plan Year Beginning Plan Year Ending	1/1/2043 12/31/2043	1/1/2044 12/31/2044	1/1/2045 12/31/2045	1/1/2046 12/31/2046	1/1/2047 12/31/2047	1/1/2048 12/31/2048
Asset Values 1. Market Value at Beginning of Year	\$55,175,397	\$45,277,027	\$36,375,770	\$28,479,464	\$21,633,351	\$15,837,223
2. Actuarial Value at Beginning of Year	56,207,819	46,130,620	37,065,279	29,020,283	22,041,384	16,128,790
Income						
3. Employer Contributions	83,650,930	83,219,816	82,806,566	82,405,591	82,016,946	81,643,154
4. Current Withdrawal Income	0	0	0	0	0	0
5. Future Withdrawal Income	6,711,748	6,585,134	6,442,293	6,283,123	6,106,969	5,913,736
6. Net Investment Income	2,767,922	2,162,467	1,621,741	1,147,471	741,140	403,301
<u>Disbursements</u>						
7. Benefit Payments						
a. Current Retirees & Beneficiaries	28,976,673	26,227,932	23,610,773	21,133,242	18,802,414	16,624,003
b. Terminated Vested Participants	20,819,696	20,349,247	19,835,884	19,259,911	18,632,129	17,956,117
c. Current Active Participants	42,472,647	42,360,181	42,088,495	41,640,193	41,016,130	40,226,271
d. Future New Entrants	6,596,475	7,722,944	8,977,790	10,348,397	11,862,775	13,486,164
8. Administrative Expenses	4,163,479	4,208,370	4,253,964	4,300,555	4,347,735	4,395,825
Market Value at End of Year (1+3+4+5+6-7d-8)	45,277,027	36,375,770	28,479,464	21,633,351	15,837,223	11,109,034
Available Resources (1+3+4+5+6-8)	144,142,518	133,036,074	122,992,406	114,015,094	106,150,671	99,401,589
Solvency Ratio	1.46	1.38	1.30	1.23	1.18	1.13
Accrued Liability	955,585,385	938,366,852	922,133,407	906,890,066	892,701,067	879,573,616
Funded Percentage	5.88%	4.92%	4.02%	3.20%	2.47%	1.83%



Plan Year Beginning Plan Year Ending	7/1/2018 12/31/2018	1/1/2019 12/31/2019	1/1/2020 12/31/2020	1/1/2021 12/31/2021	1/1/2022 12/31/2022
Asset Values					****
1. Market Value at Beginning of Year	\$627,595,751	\$606,798,069	\$559,127,995	\$526,222,296	\$492,720,129
2. Actuarial Value at Beginning of Year	N/A	633,727,381	584,785,360	557,437,929	526,380,458
Income					
3. Employer Contributions	27,257,870	54,556,654	55,228,062	55,955,344	56,713,778
4. Current Withdrawal Income	4,978,114	9,990,755	9,950,755	9,950,755	9,916,843
5. Future Withdrawal Income	0	593,261	1,193,030	1,797,423	2,407,288
6. Net Investment Income	19,558,843	23,224,675	22,108,081	21,221,228	20,244,636
<u>Disbursements</u>					
7. Benefit Payments					
a. Current Retirees & Beneficiaries	66,718,612	121,878,535	103,969,874	101,155,116	98,263,485
b. Terminated Vested Participants	2,260,331	5,621,168	7,259,929	8,887,563	10,414,085
c. Current Active Participants	1,491,093	4,870,569	6,951,605	9,139,370	11,404,443
d. Future New Entrants	0	0	0	0	0
8. Administrative Expenses	2,122,474	3,665,148	3,204,219	3,244,868	3,285,453
Market Value at End of Year (1+3+4+5+6-7d-8)	606,798,069	559,127,995	526,222,296	492,720,129	458,635,207
Available Resources (1+3+4+5+6-8)	677,268,104	691,498,266	644,403,704	611,902,178	578,717,220
Solvency Ratio	4.81	5.22	5.45	5.13	4.82
Accrued Liability	N/A	1,410,257,908	1,386,682,460	1,377,848,315	1,367,698,273
Funded Percentage	N/A	44.94%	42.17%	40.46%	38.49%



Plan Year Beginning Plan Year Ending	1/1/2023 12/31/2023	1/1/2024 12/31/2024	1/1/2025 12/31/2025	1/1/2026 12/31/2026	1/1/2027 12/31/2027
Asset Values					
1. Market Value at Beginning of Year	\$458,635,207	\$423,839,597	\$388,759,664	\$353,507,286	\$318,136,104
2. Actuarial Value at Beginning of Year	490,354,600	452,446,238	414,408,809	376,311,460	338,217,744
<u>Income</u>					
3. Employer Contributions	57,537,045	58,428,114	59,375,109	60,398,549	61,504,398
4. Current Withdrawal Income	9,663,655	9,663,655	9,663,655	9,663,655	9,663,655
5. Future Withdrawal Income	3,017,371	3,627,750	4,252,837	4,879,525	5,512,439
6. Net Investment Income	19,174,798	18,014,785	16,776,577	15,463,462	14,083,563
<u>Disbursements</u>					
7. Benefit Payments					
a. Current Retirees & Beneficiaries	95,276,712	92,140,090	88,921,342	85,648,648	82,308,723
b. Terminated Vested Participants	11,865,125	13,235,418	14,553,640	15,805,645	16,879,230
c. Current Active Participants	13,720,464	16,043,124	18,384,162	20,783,479	23,132,523
d. Future New Entrants	0	28,889	53,944	90,438	139,492
8. Administrative Expenses	3,326,178	3,366,716	3,407,468	3,448,163	3,489,203
Market Value at End of Year (1+3+4+5+6-7d-8)	423,839,597	388,759,664	353,507,286	318,136,104	282,950,988
Available Resources (1+3+4+5+6-8)	544,701,898	510,207,185	475,420,374	440,464,314	405,410,956
Solvency Ratio	4.51	4.20	3.90	3.60	3.31
Accrued Liability	1,356,085,960	1,343,086,993	1,328,792,211	1,313,080,819	1,295,851,314
Funded Percentage	36.16%	33.69%	31.19%	28.66%	26.10%



Plan Year Beginning Plan Year Ending	1/1/2028 12/31/2028	1/1/2029 <u>12/31/2029</u>	1/1/2030 12/31/2030	1/1/2031 12/31/2031	1/1/2032 12/31/2032
Asset Values					
1. Market Value at Beginning of Year	\$282,950,988	\$250,152,603	\$217,789,894	\$186,009,084	\$155,142,266
2. Actuarial Value at Beginning of Year	300,442,782	263,821,801	228,523,560	194,544,877	162,083,011
<u>Income</u>					
3. Employer Contributions	62,687,096	64,041,470	65,474,659	66,986,428	68,561,519
4. Current Withdrawal Income	9,659,913	9,632,735	9,474,527	9,362,948	9,362,948
5. Future Withdrawal Income	6,150,864	6,803,433	7,458,851	8,117,028	8,787,091
6. Net Investment Income	14,379,610	12,570,193	10,789,059	9,048,537	7,370,235
<u>Disbursements</u>					
7. Benefit Payments					
a. Current Retirees & Beneficiaries	78,882,545	75,462,760	72,002,422	68,516,095	64,990,679
b. Terminated Vested Participants	17,743,963	18,608,963	19,391,264	20,081,784	20,667,125
c. Current Active Participants	25,313,778	27,472,229	29,563,791	31,584,801	33,510,340
d. Future New Entrants	206,078	295,831	408,300	545,475	709,632
8. Administrative Expenses	3,529,504	3,570,756	3,612,129	3,653,605	3,695,193
Market Value at End of Year (1+3+4+5+6-7d-8)	250,152,603	217,789,894	186,009,084	155,142,266	125,651,090
Available Resources (1+3+4+5+6-8)	372,298,967	339,629,677	307,374,861	275,870,421	245,528,866
Solvency Ratio	3.05	2.79	2.53	2.29	2.05
Accrued Liability	1,277,292,702	1,257,736,188	1,237,148,441	1,215,640,028	1,193,272,716
Funded Percentage	23.52%	20.98%	18.47%	16.00%	13.58%



Plan Year Beginning Plan Year Ending	1/1/2033 12/31/2033	1/1/2034 12/31/2034	1/1/2035 12/31/2035	1/1/2036 12/31/2036	1/1/2037 12/31/2037	1/1/2038 12/31/2038
Asset Values 1. Market Value at Beginning of Year	\$125,651,090	\$97,783,489	\$72,225,407	\$49,409,574	\$28,449,598	\$4,645,542
2. Actuarial Value at Beginning of Year	131,481,911	102,544,589	75,970,687	52,209,784	30,384,645	5,574,646
Income						
3. Employer Contributions	70,220,443	71,973,914	73,812,510	75,737,905	77,745,501	86,024,314
4. Current Withdrawal Income	9,192,149	9,190,205	9,180,596	7,865,885	1,578,866	0
5. Future Withdrawal Income	9,467,131	10,154,058	10,856,110	11,566,629	12,291,499	13,025,495
6. Net Investment Income	5,775,049	4,287,016	2,937,955	1,721,817	502,566	0
<u>Disbursements</u>						
7. Benefit Payments						
a. Current Retirees & Beneficiaries	61,506,151	58,014,630	54,540,092	51,088,831	47,701,827	44,371,360
b. Terminated Vested Participants	21,123,895	21,467,019	21,742,366	21,895,032	21,963,859	21,982,148
c. Current Active Participants	35,241,194	36,743,308	38,031,046	39,171,509	40,103,221	40,812,089
d. Future New Entrants	914,089	1,159,877	1,469,521	1,834,999	2,249,855	2,741,755
8. Administrative Expenses	3,737,044	3,778,440	3,819,979	3,861,840	3,903,725	3,946,094
Market Value at End of Year (1+3+4+5+6-7d-8)	97,783,489	72,225,407	49,409,574	28,449,598	4,645,542	INSOLVENT
Available Resources (1+3+4+5+6-8)	216,568,818	189,610,241	165,192,599	142,439,969	116,664,304	99,749,257
Solvency Ratio	1.82	1.62	1.43	1.25	1.04	0.91
Accrued Liability	1,170,196,994	1,146,685,727	1,123,115,103	1,099,719,605	1,076,759,131	1,054,538,232
Funded Percentage	11.24%	8.94%	6.76%	4.75%	2.82%	0.53%



Plan Year Beginning Plan Year Ending	7/1/2018 12/31/2018	1/1/2019 12/31/2019	1/1/2020 12/31/2020	1/1/2021 12/31/2021	1/1/2022 12/31/2022
Asset Values 1. Market Value at Beginning of Year	\$627,595,751	\$606,798,069	\$569,836,245	\$546,852,680	\$522,589,250
2. Actuarial Value at Beginning of Year	N/A	633,727,381	586,419,106	562,939,760	537,758,038
Income					
3. Employer Contributions	27,257,870	54,025,871	54,147,801	54,306,078	54,477,996
4. Current Withdrawal Income	4,978,114	9,990,755	9,950,755	9,950,755	9,916,843
5. Future Withdrawal Income	0	505,452	1,022,087	1,548,157	2,084,501
6. Net Investment Income	19,558,843	34,548,975	33,276,448	32,351,055	31,300,273
<u>Disbursements</u>					
7. Benefit Payments					
a. Current Retirees & Beneficiaries	66,718,612	121,878,535	103,969,874	101,155,116	98,263,485
b. Terminated Vested Participants	2,260,331	5,621,168	7,259,929	8,887,563	10,414,085
c. Current Active Participants	1,491,093	4,870,546	6,951,477	9,138,956	11,402,868
d. Future New Entrants	0	0	0	0	0
8. Administrative Expenses	2,122,474	3,662,628	3,199,375	3,237,840	3,276,381
Market Value at End of Year (1+3+4+5+6-7d-8)	606,798,069	569,836,245	546,852,680	522,589,250	497,012,044
Available Resources (1+3+4+5+6-8)	677,268,104	702,206,494	665,033,960	641,770,885	617,092,482
Solvency Ratio	4.81	5.30	5.63	5.38	5.14
Accrued Liability	N/A	1,410,231,239	1,386,557,676	1,377,538,035	1,367,097,947
Funded Percentage	N/A	44.94%	42.29%	40.87%	39.34%



Plan Year Beginning Plan Year Ending	1/1/2023 12/31/2023	1/1/2024 12/31/2024	1/1/2025 12/31/2025	1/1/2026 12/31/2026	1/1/2027 12/31/2027
Asset Values			• • • • • • • • • • • • • • • • • • • •	•	****
1. Market Value at Beginning of Year	\$497,012,044	\$469,930,546	\$441,704,287	\$412,391,699	\$381,973,263
2. Actuarial Value at Beginning of Year	509,402,593	480,736,445	451,019,712	420,297,914	388,559,905
Income					
3. Employer Contributions	54,687,864	54,937,981	55,229,791	55,568,588	55,963,237
4. Current Withdrawal Income	9,663,655	9,663,655	9,663,655	9,663,655	9,663,655
5. Future Withdrawal Income	2,625,407	3,170,887	3,735,219	4,305,062	4,884,871
6. Net Investment Income	30,114,398	28,792,175	27,344,856	25,770,726	24,073,604
<u>Disbursements</u>					
7. Benefit Payments					
a. Current Retirees & Beneficiaries	95,276,712	92,140,090	88,921,342	85,648,648	82,308,723
b. Terminated Vested Participants	11,865,125	13,235,418	14,553,640	15,805,645	16,879,230
c. Current Active Participants	13,715,811	16,043,124	18,384,162	20,783,479	23,132,523
d. Future New Entrants	0	18,545	34,449	57,528	88,412
8. Administrative Expenses	3,315,174	3,353,780	3,392,516	3,431,167	3,470,107
Market Value at End of Year (1+3+4+5+6-7d-8)	469,930,546	441,704,287	412,391,699	381,973,263	350,679,635
Available Resources (1+3+4+5+6-8)	590,788,194	563,141,464	534,285,292	504,268,563	473,088,523
Solvency Ratio	4.89	4.64	4.38	4.12	3.86
Accrued Liability	1,355,074,959	1,341,529,788	1,326,538,666	1,309,966,940	1,291,698,442
Funded Percentage	37.59%	35.83%	34.00%	32.08%	30.08%



Plan Year Beginning Plan Year Ending	1/1/2028 12/31/2028	1/1/2029 12/31/2029	1/1/2030 12/31/2030	1/1/2031 12/31/2031	1/1/2032 12/31/2032
Asset Values					
 Market Value at Beginning of Year 	\$350,679,635	\$321,079,302	\$290,623,328	\$259,342,329	\$227,446,473
2. Actuarial Value at Beginning of Year	356,044,445	323,594,600	291,231,820	258,845,094	226,512,318
<u>Income</u>					
3. Employer Contributions	56,406,353	56,899,988	57,435,759	58,011,726	58,621,208
4. Current Withdrawal Income	9,659,913	9,632,735	9,474,527	9,362,948	9,362,948
5. Future Withdrawal Income	5,473,847	6,080,426	6,693,224	7,312,021	7,945,996
6. Net Investment Income	24,439,119	22,210,708	19,920,590	17,576,476	15,198,490
Disbursements					
7. Benefit Payments					
a. Current Retirees & Beneficiaries	78,882,545	75,462,760	72,002,422	68,516,095	64,990,679
b. Terminated Vested Participants	17,743,963	18,608,963	19,391,264	20,081,784	20,667,125
c. Current Active Participants	25,313,778	27,472,229	29,563,791	31,584,801	33,510,340
d. Future New Entrants	130,999	189,119	262,261	352,254	460,813
8. Administrative Expenses	3,508,280	3,546,760	3,585,361	3,624,093	3,662,937
Market Value at End of Year (1+3+4+5+6-7d-8)	321,079,302	290,623,328	259,342,329	227,446,473	195,283,221
Available Resources (1+3+4+5+6-8)	443,150,587	412,356,399	380,562,067	347,981,407	314,912,178
Solvency Ratio	3.63	3.39	3.14	2.89	2.63
Accrued Liability	1,271,906,090	1,250,901,712	1,228,623,759	1,205,162,528	1,180,557,224
Funded Percentage	27.99%	25.87%	23.70%	21.48%	19.19%



Plan Year Beginning Plan Year Ending	1/1/2033 12/31/2033	1/1/2034 12/31/2034	1/1/2035 12/31/2035	1/1/2036 12/31/2036	1/1/2037 12/31/2037	1/1/2038 12/31/2038
Asset Values 1. Market Value at Beginning of Year 2. Actuarial Value at Beginning of Year	\$195,283,221 194,458,589	\$162,983,420 162,269,859	\$131,111,151 130,509,278	\$99,989,942 99,499,127	\$68,604,366 68,223,488	\$32,071,376 31,802,679
Income 3. Employer Contributions	59,279,333	59,992,004	60,755,246	61,562,317	62,411,712	62,411,712
4. Current Withdrawal Income	9,192,149	9,190,205	9,180,596	7,865,885	1,578,866	02,411,712
5. Future Withdrawal Income	8,592,927	9,249,631	9,924,144	10,609,773	11,312,235	12,026,096
6. Net Investment Income	12,806,137	10,422,734	8,082,349	5,768,355	3,287,641	716,868
<u>Disbursements</u>						
7. Benefit Payments						
a. Current Retirees & Beneficiaries	61,506,151	58,014,630	54,540,092	51,088,831	47,701,827	44,371,360
b. Terminated Vested Participants	21,123,895	21,467,019	21,742,366	21,895,032	21,963,859	21,982,148
c. Current Active Participants	35,241,194	36,743,308	38,031,046	39,171,509	40,103,221	40,812,089
d. Future New Entrants	597,064	761,133	970,521	1,217,982	1,496,928	1,830,369
8. Administrative Expenses	3,702,044	3,740,752	3,779,519	3,818,552	3,857,609	3,897,150
Market Value at End of Year (1+3+4+5+6-7d-8)	162,983,420	131,111,151	99,989,942	68,604,366	32,071,376	INSOLVENT
Available Resources (1+3+4+5+6-8)	281,451,724	248,097,241	215,273,967	181,977,720	143,337,211	103,328,901
Solvency Ratio	2.38	2.12	1.87	1.61	1.29	0.95
Accrued Liability	1,154,932,744	1,128,535,623	1,101,718,696	1,074,702,569	1,047,726,339	1,021,071,369
Funded Percentage	16.84%	14.38%	11.85%	9.26%	6.51%	3.11%



Plan Year Beginning Plan Year Ending	7/1/2018 12/31/2018	1/1/2019 12/31/2019	1/1/2020 12/31/2020	1/1/2021 12/31/2021	1/1/2022 12/31/2022
Asset Values 1. Market Value at Beginning of Year	\$627,595,751	\$606,798,069	\$569,398,753	\$545,504,720	\$519,818,606
2. Actuarial Value at Beginning of Year	N/A	633,727,381	585,979,699	561,582,225	534,962,376
Income					
3. Employer Contributions	27,257,870	53,839,964	53,767,037	53,719,944	53,677,150
4. Current Withdrawal Income	4,978,114	9,990,755	9,950,755	9,950,755	9,916,843
5. Future Withdrawal Income	0	263,425	539,219	826,970	1,125,946
6. Net Investment Income	19,558,843	34,538,318	33,227,469	32,232,525	31,077,021
<u>Disbursements</u>					
7. Benefit Payments					
a. Current Retirees & Beneficiaries	66,718,612	121,878,535	103,969,874	101,155,116	98,263,485
b. Terminated Vested Participants	2,260,331	5,621,168	7,259,929	8,887,563	10,414,085
c. Current Active Participants	1,491,093	4,870,539	6,951,435	9,138,813	11,402,315
d. Future New Entrants	0	0	0	0	0
8. Administrative Expenses	2,122,474	3,661,536	3,197,275	3,234,816	3,272,517
Market Value at End of Year (1+3+4+5+6-7d-8)	606,798,069	569,398,753	545,504,720	519,818,606	492,263,164
Available Resources (1+3+4+5+6-8)	677,268,104	701,768,995	663,685,958	639,000,098	612,343,049
Solvency Ratio	4.81	5.30	5.62	5.36	5.10
Accrued Liability	N/A	1,410,216,218	1,386,490,356	1,377,373,582	1,366,783,334
Funded Percentage	N/A	44.94%	42.26%	40.77%	39.14%



Plan Year Beginning Plan Year Ending	1/1/2023 12/31/2023	1/1/2024 12/31/2024	1/1/2025 12/31/2025	1/1/2026 12/31/2026	1/1/2027 12/31/2027
Asset Values 1. Market Value at Beginning of Year	\$492,263,164	\$462,599,718	\$ 431,134,530	\$397,867,084	\$362,712,610
2. Actuarial Value at Beginning of Year	504,605,134	473,326,600	440,335,859	405,621,997	369,111,422
Income					
3. Employer Contributions	53,654,987	53,655,049	53,692,309	53,757,486	53,862,839
4. Current Withdrawal Income	9,663,655	9,663,655	9,663,655	9,663,655	9,663,655
5. Future Withdrawal Income	1,437,514	1,761,907	2,099,309	2,450,266	2,815,212
6. Net Investment Income	29,746,880	28,235,988	26,550,199	24,681,802	22,627,942
<u>Disbursements</u>					
7. Benefit Payments					
a. Current Retirees & Beneficiaries	95,276,712	92,140,090	88,921,342	85,648,648	82,308,723
b. Terminated Vested Participants	11,865,125	13,235,418	14,553,640	15,805,645	16,879,230
c. Current Active Participants	13,714,175	16,043,124	18,384,162	20,783,479	23,132,523
d. Future New Entrants	0	14,891	27,558	45,884	70,348
8. Administrative Expenses	3,310,470	3,348,264	3,386,216	3,424,027	3,462,127
Market Value at End of Year (1+3+4+5+6-7d-8)	462,599,718	431,134,530	397,867,084	362,712,610	325,829,307
Available Resources (1+3+4+5+6-8)	583,455,730	552,568,053	519,753,786	484,996,266	448,220,131
Solvency Ratio	4.83	4.55	4.26	3.97	3.66
Accrued Liability	1,354,549,085	1,340,723,556	1,325,374,830	1,308,359,908	1,289,553,463
Funded Percentage	37.25%	35.30%	33.22%	31.00%	28.62%



Plan Year Beginning Plan Year Ending	1/1/2028 12/31/2028	1/1/2029 12/31/2029	1/1/2030 12/31/2030	1/1/2031 12/31/2031	1/1/2032 12/31/2032
Asset Values					
 Market Value at Beginning of Year 	\$325,829,307	\$289,524,381	\$251,316,266	\$211,144,486	\$169,120,859
2. Actuarial Value at Beginning of Year	330,973,597	291,939,150	251,929,430	210,737,552	168,338,402
<u>Income</u>					
3. Employer Contributions	53,999,399	54,268,158	54,558,784	54,868,041	55,198,088
4. Current Withdrawal Income	9,659,913	9,632,735	9,474,527	9,362,948	9,362,948
5. Future Withdrawal Income	3,194,384	3,496,592	3,811,825	4,140,527	4,482,581
6. Net Investment Income	22,385,224	19,625,808	16,723,930	13,680,298	10,507,478
Disbursements					
7. Benefit Payments					
a. Current Retirees & Beneficiaries	78,882,545	75,462,760	72,002,422	68,516,095	64,990,679
b. Terminated Vested Participants	17,743,963	18,608,963	19,391,264	20,081,784	20,667,125
c. Current Active Participants	25,313,778	27,472,229	29,563,791	31,584,801	33,510,340
d. Future New Entrants	104,128	150,355	208,509	280,036	366,394
8. Administrative Expenses	3,499,432	3,537,100	3,574,861	3,612,725	3,650,729
Market Value at End of Year (1+3+4+5+6-7d-8)	289,524,381	251,316,266	211,144,486	169,120,859	125,486,687
<u>Available Resources</u> (1+3+4+5+6-8)	411,568,795	373,010,573	332,310,472	289,583,575	245,021,225
Solvency Ratio	3.37	3.07	2.74	2.40	2.05
Accrued Liability	1,269,118,292	1,247,356,808	1,224,197,674	1,199,720,415	1,173,952,890
Funded Percentage	26.08%	23.40%	20.58%	17.57%	14.34%



Plan Year Beginning Plan Year Ending	1/1/2033 12/31/2033	1/1/2034 12/31/2034	1/1/2035 12/31/2035
Asset Values			
1. Market Value at Beginning of Year	\$125,486,687	\$80,259,423	\$33,880,605
2. Actuarial Value at Beginning of Year	124,846,700	79,767,934	33,543,094
Income			
3. Employer Contributions	55,560,363	55,956,285	51,011,470
4. Current Withdrawal Income	9,192,149	9,190,205	9,180,596
5. Future Withdrawal Income	4,838,600	5,209,242	5,595,279
6. Net Investment Income	7,216,860	3,823,040	759,849
<u>Disbursements</u>			
7. Benefit Payments			
a. Current Retirees & Beneficiaries	61,506,151	58,014,630	54,540,092
b. Terminated Vested Participants	21,123,895	21,467,019	21,742,366
c. Current Active Participants	35,241,194	36,743,308	38,031,046
d. Future New Entrants	475,000	605,769	772,834
8. Administrative Expenses	3,688,996	3,726,864	3,764,791
Market Value at End of Year	80,259,423	33,880,605	INSOLVENT
(1+3+4+5+6-7d-8)			
<u>Available Resources</u> (1+3+4+5+6-8)	198,605,663	150,711,331	96,663,008
Solvency Ratio	1.68	1.29	0.84
Accrued Liability	1,147,007,078	1,119,115,621	1,090,617,827
Funded Percentage	10.88%	7.13%	3.08%

