Present Value of $1.00 Annual Pension						Based on Investment Yield and Life Expectancy						
Yield	Life Expectancy at Retirement											Expectancy Ratio **
	5	10	15	18	21	24	27	30	33	36	39	
0%	5.00	10.00	15.00	18.00	21.00	24.00	27.00	30.00	33.00	36.00	39.00	7.8
1%	4.90	9.57	14.00	16.56	19.05	21.46	23.80	26.07	28.27	30.41	32.48	6.6
2%	4.81	9.16	13.11	15.29	17.35	19.29	21.12	22.84	24.47	26.00	27.44	5.7
3%	4.72	8.79	12.30	14.17	15.88	17.44	18.88	20.19	21.39	22.49	23.49	5.0
4%	4.63	8.44	11.56	13.17	14.59	15.86	16.98	17.98	18.87	19.66	20.37	4.4
5%	4.55	8.11	10.90	12.27	13.46	14.49	15.38	16.14	16.80	17.37	17.87	3.9
6%	4.47	7.80	10.29	11.48	12.47	13.30	14.00	14.59	15.08	15.50	15.85	3.5
7%	4.39	7.52	9.75	10.76	11.59	12.27	12.83	13.28	13.65	13.95	14.19	3.2
8%	4.31	7.25	9.24	10.12	10.82	11.37	11.01	12.16	12.43	12.65	12.83	3.0
9%	4.24	7.00	8.79	9.54	10.13	10.58	10.93	11.20	11.41	11.57	11.69	2.8
Yield Ratio *	1.2	1.4	1.7	1.9	2.1	2.3	2.5	2.7	2.9	3.1	3.3	

* The Yield Ratio is derived by dividing the 0% factor by the 9% factor.

** The Expectancy Ratio is derived by dividing the 39yr. factor the 5yr. factor.

NOTE: as Life Expectance soars, lower Investment Yields will trigger dramatic cost increases.
To illustrate, if Yield/Expectance is 2% /30 instead of 7% /10, pension costs will triple.

This combination (i.e., living longer combined with lower yields) **has the potential to increase pension costs 400% to 700%**