COUNTY EMPLOYEES' ANNUITY AND BENEFIT FUND OF COOK COUNTY

ACTUARIAL VALUATION AS OF DECEMBER 31, 2010

GOLDSTEIN & ASSOCIATES
Actuaries and Consultants

29 SOUTH LaSALLE STREET SUITE 735
CHICAGO, ILLINOIS 60603
PHONE (312) 726-5877 FAX (312) 726-4323

April 18, 2011

Board of Trustees
County Employees' Annuity
and Benefit Fund of Cook County
33 North Dearborn Street, Suite 1000
Chicago, Illinois 60602

Re: Actuarial Valuation as of December 31, 2010

Dear Board Members:

We are pleased to submit our actuarial report on the financial position and funding requirements of the County Employees' Annuity and Benefit Fund of Cook County based on the actuarial valuation as of December 31, 2010.

The report consists of 10 Sections and 4 Appendices as follows:

We would be pleased to discuss any aspects of this report with you at your convenience.

Respectfully submitted,

Sandor Goldstein, FSA, MAAA
Consulting Actuary

Carl J. Smedinghoff, ASA
Actuary

A. PURPOSE AND SUMMARY

For purposes of GASB Statement No. 25 and GASB Statement No. 43, we have performed separate actuarial valuations of the pension benefits and retiree health insurance benefits provided by the County Employees' Annuity and Benefit Fund of Cook County and have prepared actuarial reports based on these valuations.

As has been done in past years, we have also performed a combined actuarial valuation of the pension and retiree health insurance benefits provided by the Fund to measure the overall funded status and contribution requirements of the Fund. We believe that such a combined valuation is required under Section 9-199 of the Illinois Pension Code which provides that the Fund shall submit a report each year "containing a detailed statement of the affairs of the Fund, its income and expenditures, and assets and liabilities .....". This report is intended to present the results of the combined valuation. The results of the combined valuation are summarized below:

1. Total Actuarial Liability	$ 13,142,137,175
2. Actuarial Value of Assets	7,982,368,659
3. Unfunded Actuarial Liability	5,159,768,516
4. Funded Ratio	60.7%
5. Employer's Normal Cost for 2011 as a Percent of Payroll	12.98%
6. Actuarially Determined Contribution Requirement For Year Beginning January 1, 2011	613,952,848
7. Expected Employer Contribution from Tax Levy for 2011	190,901,487

B. DATA USED FOR THE VALUATION

Participant Data. The participant data required to carry out the valuation was supplied by the Fund. The membership of the Fund as of December 31, 2010, on which the valuation was based, is summarized in Exhibit 1. It can be seen that there were 23,165 active contributors, 15,333 members receiving benefits, and 12,148 inactive members included in the valuation. The total active payroll as of December 31, 2010 was $1,494,093,569.

EXHIBIT 1

Summary of Membership Data

	Year Ending December 31, 2010	2009
1. Number of Members		
(a) Active Members		
(i) Vested	14,279	14,189
(ii) Non-vested	8,886	9,381
(iii) Total Active Members	23,165	23,570
(b) Members Receiving		
(i) Retirement Annuities	12,460	12,145
(ii) Surviving Spouse's Annuities	2,394	2,330
(iii) Children's Annuities	124	132
(iv) Ordinary Disability Benefits	337	298
(v) Duty Disability Benefits	18	10
(c) Inactive Members	12,148	11,826
(d) Total	50,646	50,311
2. Annual Salaries		
(a) Total Salary	$ 1,494,093,569	$ 1,498,161,713
(b) Average Salary	64,498	63,562
3. Total Accumulated Contributions of Active Members	$ 1,639,114,558	$ 1,581,323,838
4. Annual Benefit Payments Currently Being Made		
(a) Retirement Annuities	$ 406,441,204	$ 379,847,625
(b) Surviving Spouse's Annuities	30,699,418	27,650,792
(c) Children's Annuities	683,087	711,481
(d) Ordinary Disability Benefits	7,975,420	7,132,238
(e) Duty Disability Benefits	110,144	113,699
(f) Total Annual Benefit Payments	$ 445,909,273	$ 415,455,835

An age and service distribution for active members is provided in Exhibit 2. A breakdown of retirement and surviving spouse annuitants classified by age is provided in Exhibit 3. Age and salary statistics for male and female active members are provided in Exhibit 4. Exhibit 5 provides similar age and salary statistics by age at entrance.

EXHIBIT 2

AGE AND SERVICE DISTRIBUTION OF ACTIVE MEMBERS
Year 2010

Number of Members and Average Salaries by Age and Service Grouping
(Male and Female Combined)

	Years of Service									
Age	<1	1 to 4	5 to 9	10 to 14	15 to 19	20 to 24	25 to 29	30 to 34	35+	Total
under 25	79	69	9							157
	$40.781	$37.663	$39.648							$39,346
25-29	369	738	218	21						1,346
	$42.581	$47,256	$49.752	$45,773						$46,355
30-34	213	781	958	280	8					2.240
	$56.751	$53.675	$58,574	$52.800	$51,713					$55,946
35-39	117	530	822	944	381	20				2.814
	$60.530	$63.112	$66.392	$62.522	$59,504	$54,550				$63,215
40-44	107	415	593	840	1,005	387	15			3.362
	$52.932	$61,096	$68,781	$67,424	$67,034	$60,771	$61.878			$65,514
45-49	81	318	509	617	934	887	318	14		3,678
	$58,400	$58.154	$66.115	$68.358	$70,429	$68,779	$65.918	$69.346		$67,366
50-54	86	249	386	603	769	777	612	154	2	3,638
	$64,044	$59,420	$64,053	$66.797	$70,757	$72,427	$73,149	$62,494	$72.412	$68.865
55-59	61	201	361	451	624	607	467	186	16	2.974
	$77.272	$68,305	$63,302	$68.754	$68,576	$72.801	$75,206	$68,613	$69,864	$70,036
60-64	27	117	270	332	401	305	181	83	53	1,769
	$80,724	$76.984	$69,159	$64.082	$66,596	$69,860	$66.701	$68.145	$71.205	$68,202
65-69	14	25	96	145	189	157	71	27	26	750
	$106,156	$72.881	$58.098	$63,608	$63.929	$61.842	$62,384	$72,969	$65,773	$64,013
70+	16	17	34	68	96	102	49	17	38	437
	$69,411	$75.880	$82.000	$54,086	$61,038	$56,584	$56,409	$60.576	$66,222	$61.345
Number	1,170	3,460	4,256	4.301	4.407	3.242	1.713	481	135	23,165
Salary	$54.270	$57.033	$63.662	$64,878	$67,639	$68.745	$70.662	$66,555	$68,615	$64.498

EXHIBIT 3

ANNUITANTS CLASSIFIED BY AGE AS OF DECEMBER 31, 2010

Retirement Annuities (Including Reciprocal)

Age	Number	Annual Payments	Average Annual Payments
Under 45	3	$ 6,644	$ 2,215
45-49	7	32,881	4,697
50-54	229	9,047,785	39,510
55-59	963	38,555,774	40,037
60-64	2,371	92,063,188	38,829
65-69	2,619	93,650,545	35,758
70-74	2,306	72,505,579	31,442
75-79	1,710	49,664,778	29,044
80-84	1,195	29,910,520	25,030
85-89	697	15,081,599	21,638
90 & up	360	5,921,911	16,450
Totals	12,460	$ 406,441,204	$ 32,620
Average Age			70.6

Surviving Spouses (Including Reciprocal)

Age	Number	Annual Payments	Average Annual Payments
Under 45	41	$ 278,519	$ 6,793
45-49	48	373,277	7,777
50-54	99	1,045,267	10,558
55-59	190	2,508,061	13,200
60-64	209	3,156,205	15,101
65-69	246	3,972,408	16,148
70-74	305	4,253,872	13,947
75-79	386	5,325,524	13,797
80-84	338	4,426,369	13,096
85-89	314	3,439,237	10,953
90 & up	218	1,920,679	8,810
Totals	2,394	$ 30,699,418	$ 12,823
Average Age			73.6

EXHIBIT 4

SALARY AND AGE STATISTICS
Ages and Salaries as of December 31, 2010

Age	Number	Annual Salaries	Average Annual Salary
Male			
Under 20	1	$ 20,800	$ 20,800
20-24	79	3,407,984	43,139
25-29	707	33,234,563	47,008
30-34	1,068	59,253,774	55,481
35-39	1,306	86,116,782	65,939
40-44	1,617	112,365,065	69,490
45-49	1,621	116,993,203	72,173
50-54	1,523	114,609,284	75,252
55-59	1,227	93,892,804	76,522
60-64	715	54,325,683	75,980
65-69	333	23,589,939	70,841
70 and Over	208	14,507,634	69,748
Total Male	10,405	$ 712,317,515	$ 68,459
Female			
Under 20	3	$ 62,400	$ 20,800
20-24	74	2,686,116	36,299
25-29	639	29,159,844	45,634
30-34	1,172	66,066,079	56,370
35-39	1,508	91,771,249	60,856
40-44	1,745	107,892,695	61,830
45-49	2,057	130,779,495	63,578
50-54	2,115	135,920,595	64,265
55-59	1,747	114,393,004	65,480
60-64	1,054	66,324,154	62,926
65-69	417	24,420,174	58,562
70 and Over	229	12,300,249	53,713
Total Female	12,760	$ 781,776,054	$ 61,268
Male and Female	23,165	$ 1,494,093,569	$ 64,498

EXHIBIT 5

SALARY AND AGE STATISTICS
Ages and Salaries as of December 31, 2010

Ages at Entrance

Age at Entrance	Male Number		Male Annual Salaries	Female Number		Female Annual Salaries
Under 25	2,074	$	131,016,615	2,179	$	121,497,975
25-29	2,896		188,703,068	3,185		197,835,414
30-34	1,878		134,828,255	2,242		148,914,160
35-39	1,210		89,396,628	1,864		117,147,960
40-44	809		57,636,931	1,425		86,309,797
45-49	618		42,564,948	888		52,396,837
50-54	444		32,347,971	602		34,835,877
55-59	318		23,379,541	273		17,336,790
60-64	110		8,121,106	69		3,612,640
65 and Over	48		4,322,452	33		1,888,605
W/O Record	-		-	-		-
Totals	10,405	$	712,317,515	12,760	$	781,776,055

		Male		Female
Average Annual Salary	$	68,459	$	61,268
Average Attained Age		46.5		47.7
Average Service		13.1		13.6
Average Age at Entrance		33.4		34.1

Assets. In November of 1994, the Governmental Accounting Standards Board (GASB) issued GASB Statement No. 25, which establishes standards of financial reporting for governmental pension plans. The statement is effective for periods beginning after June 15, 1996. Under GASB Statement No. 25, the actuarial value of assets to be used for determining a plan's funded status and annual required contribution needs to be market related. In determining the actuarial value of assets, smoothing changes in the market value of assets over a period of three to five years is considered to be appropriate.

The asset values used for the valuation were based on the asset information contained in the financial statements for the Fund for the year ending December 31, 2010. The actuarial value of assets was determined by smoothing unexpected gains or losses over a period of 5 years.

The resulting actuarial value of assets is $7,982,368,659. The development of this actuarial value of assets is outlined in Exhibit 6. The market value of assets as of December 31, 2010 amounted to $7,574,653,612. A reconciliation of asset values from the beginning of the year to the end of the year is provided in Exhibit 7.

EXHIBIT 6

Actuarial Value of Assets

A. Development of Investment Gain for 2010

1. Market Value of Assets as of 12/31/2009		$ 6,929,485,914
2. Employer and Miscellaneous Contributions		194,305,169
3. Employee Contributions		129,449,866
4. Benefits and Expenses		511,640,181
5. Expected Market Value (Based on 7.5% assumed rate of return)		7,254,393,892
6. Actual Market Value		7,574,653,612
7. Investment Gain (Loss) (6 – 5)		320,259,720

B. Development of Actuarial Value of Assets as of 12/31/10

8. Market Value of Assets as of December 31, 2010		$ 7,574,653,612
9. Investment Gain/(Loss) for 2007	(94,921,594)	
10. 20% of Gain/(Loss) for 2007		(18,984,319)
11. Investment Gain/(Loss) for 2008	(2,458,448,406)	
12. 40% of Gain/(Loss) for 2008		(983,379,362)
13. Investment Gain/(Loss) for 2009	564,068,096	
14. 60% of Gain/(Loss) for 2009		338,440,858
15. Investment Gain/(Loss) for 2010	320,259,720	
16. 80% of Gain/(Loss) for 2010		256,207,776
17. Actuarial Value of Assets as of December 31, 2010 (8 – 10 – 12 – 14 – 16)		$ 7,982,368,659

EXHIBIT 7

RECONCILIATION OF ASSET VALUES - DECEMBER 31, 2010

	MARKET	ACTUARIAL
NET ASSETS BEGINNING OF YEAR (A)	$ 6,929,485,914	$ 7,945,567,096
ADDITIONS		
Contributions		
Cook County	181,509,323	181,509,323
Employee Contributions	129,449,866	129,449,866
Other		
Employer Federal Subsidized Programs	3,213,311	3,213,311
Employer Interest From 2007 Levy	4,539,248	4,539,248
Medicare Part D Subsidy	2,509,392	2,509,392
Miscellaneous	2,275,920	2,275,920
Employee Transfer from Forest Preserve	257,975	257,975
Total Contributions	323,755,035	323,755,035
Investment Income		
Interest	99,427,564	99,427,564
Alternative Investment Income	4,262,369	4,262,369
Dividends	75,401,247	75,401,247
Net Appreciation	666,907,881	58,541,746
Securities Lending	1,799,721	1,799,721
Total Investment Income	847,798,782	239,432,647
Less Investment Fees	(14,745,938)	(14,745,938)
Net Investment Income (I)	833,052,844	224,686,709
Total Additions	1,156,807,879	548,441,744
DEDUCTIONS		
Annuities and Benefits		
Employee Annuitants	393,525,707	393,525,707
Surviving Spouse and Children Annuitants	30,307,794	30,307,794
Ordinary Disability Benefits	13,197,763	13,197,763
Duty Disability Benefits	591,343	591,343
Group Health Benefits	44,900,801	44,900,801
Total Annuities and Benefits	482,523,408	482,523,408
Refunds of Employee Contributions	25,041,818	25,041,818
Net Administrative Expenses	4,074,955	4,074,955
Total Deductions	511,640,181	511,640,181
NET INCREASE (DECREASE)	645,167,698	36,801,563
NET ASSETS END OF YEAR (B)	$ 7,574,653,612	$ 7,982,368,659
RATE OF RETURN = (2 x I) ÷ (A+B-I)	12.19%	2.86%
RATE OF RETURN FOR YEAR ENDING 12/31/09	16.91%	0.79%
RATE OF RETURN FOR YEAR ENDING 12/31/08	-23.23%	1.48%
RATE OF RETURN FOR YEAR ENDING 12/31/07	6.22%	9.06%
RATE OF RETURN FOR YEAR ENDING 12/31/06	10.77%	6.79%

C. FUND PROVISIONS

Our valuation was based on the provisions of the Fund in effect as of December 31, 2010 as provided in Article 9 of the Illinois Pension Code. A summary of the principal provisions of the Fund on which the valuation was based is provided in Appendix 2.

D. ACTUARIAL ASSUMPTIONS AND COST METHOD

We have used the same actuarial assumptions for the December 31, 2010 actuarial valuation as were used for the December 31, 2010 valuation. These actuarial assumptions are based on an experience analysis of the Fund over the period 2005 through 2008.

The actuarial assumptions used for the December 31, 2010 valuation are outlined in Appendix 1. In our opinion, the actuarial assumptions used for the valuation are reasonable, taking into account Fund experience and future expectations and represent our best estimate of anticipated experience.

The entry age actuarial cost method was used for the December 31, 2010 valuation, with costs allocated on the basis of earnings. This is the same actuarial cost method that was used for the December 31, 2009 valuation.

E. ACTUARIAL LIABILITY

The actuarial liability as determined under the valuation for the various classes of members is summarized in Exhibit 8. The total actuarial liability is then compared with the actuarial value of assets in order to arrive at the unfunded actuarial liability.

As of December 31, 2010, the total actuarial liability is $13,142,137,175, the actuarial value of assets is $7,982,368,659 and the unfunded actuarial liability is $5,159,768,516. The ratio of the actuarial value of assets to the actuarial liability, or funded ratio, is 60.7%.

EXHIBIT 8

Actuarial Liability and Funded Status

	Year Ending December 31 2010	2009
1. Actuarial Liability For Active Members		
(a) Basic Retirement Annuity	$ 3,828,137,890	$ 3,732,821,619
(b) Automatic Increase in Retirement Annuity	1,161,328,844	1,131,101,648
(c) Additional Benefits Under Optional Plan	234,682,617	251,300,475
(d) Post-retirement Survivor's Annuity	402,528,524	391,208,092
(e) Pre-retirement Survivor's Annuity	115,746,084	114,461,202
(f) Lump Sum Payments and Refunds	197,552,750	201,856,754
(g) Retiree Health Insurance	666,280,588	650,128,578
(h) Total	$ 6,606,257,297	$ 6,472,878,368
2. Actuarial Liability For Members Receiving Benefits		
(a) Retirement Annuities	$ 3,587,423,273	$ 3,376,410,530
(b) Automatic Increase in Retirement Annuities	1,039,888,474	985,089,501
(c) Survivor Annuities to Survivors of Current Retirees	427,611,021	391,276,688
(d) Survivor Annuities to Current Survivors	314,026,356	286,053,742
(e) Lump Sum Death Benefits	4,841,463	4,686,502
(f) Retiree Health Insurance	452,633,702	436,305,873
(g) Total	$ 5,826,424,289	$ 5,479,822,836
3. Actuarial Liability For Inactive Members	709,455,589	622,814,545
4. Total Actuarial Liability	$13,142,137,175	$12,575,515,749
5. Actuarial Value of Assets	7,982,368,659	7,945,567,096
6. Unfunded Actuarial Liability	$ 5,159,768,516	$ 4,629,948,653
7. Funded Ratio	60.7%	63.2%

F. RECONCILIATION OF CHANGE IN UNFUNDED ACTUARIAL LIABILITY

The net actuarial experience during the period January 1, 2010 to December 31, 2010 resulted in an increase in the Fund's unfunded actuarial liability of $529,819,863. This increase in unfunded actuarial liability is a result of several kinds of gains and losses. The financial effect of the most significant gains and losses is illustrated in Exhibit 9.

The employer contribution requirement for the year of normal cost plus interest on the unfunded actuarial liability amounted to $537,546,884. The total actual employer contribution for the year with interest amounted to $188,192,872. Thus, the employer contribution for the year with interest fell short of the funding requirement of normal cost plus interest on the unfunded liability by $349,354,012. Had all other aspects of the Fund's experience been in line with the actuarial assumptions, the unfunded liability would have increased by this amount.

The net rate of investment return earned by the Fund during the year, based on the actuarial value of assets, was approximately 2.86%, in comparison to the assumed rate of 7.5%. This resulted in an increase in the unfunded liability of $364,312,504. Salaries increased at an average rate of 2.04% in comparison with the 5.0% assumed rate of increase, resulting in a decrease in the unfunded liability of $185,530,277.

The various other aspects of the Fund's experience resulted in a net increase in the unfunded liability of $1,683,624. The aggregate financial experience of the Fund resulted in an increase in the unfunded liability of $529,819,863.

EXHIBIT 9

Reconciliation of Change in Unfunded Actuarial Liability
Over the Period January 1, 2010 to December 31, 2010

1.	Unfunded Actuarial Liability as of 01/01/10	$ 4,629,948,653
2.	Employer Contribution Requirement of Normal Cost Plus Interest on Unfunded Liability for Period 01/01/10 to 12/31/10	537,546,884
3.	Actual Employer Contribution for the Year, Plus Interest	188,192,872
4.	Increase in Unfunded Liability Due to Employer Contribution Plus Interest Being Less Than Normal Cost Plus Interest on Unfunded Liability (2 – 3)	$ 349,354,012
5.	Increase in Unfunded Liability Due to Investment Return Lower Than Assumed	364,312,504
6.	Decrease in Unfunded Liability Due to Salary Increases Lower Than Assumed	(185,530,277)
7.	Increase in Unfunded Liability Due to Other Sources	1,683,624
8.	Net Increase in Unfunded Liability for the Year (4 + 5 + 6 + 7)	$ 529,819,863
9.	Unfunded Actuarial Liability as of December 31, 2010 (1 + 8)	$ 5,159,768,516

G. EMPLOYER'S NORMAL COST

The employer's share of the normal cost for the year beginning January 1, 2011 is developed in Exhibit 10. The total normal cost is $321,126,181, employee contributions are estimated to be $127,182,931, resulting in the employer's share of the normal cost of $193,943,250.

Based on a payroll of $1,494,093,569 as of December 31, 2010, the employer's share of the normal cost can be expressed as 12.98% of payroll.

EXHIBIT 10

Employer's Normal Cost For Year Beginning January 1, 2011

	Dollar Amount	Percent Of Payroll
1. Basic Retirement Annuity	$ 144,154,753	9.65%
2. Automatic Increase in Retirement Annuity	42,605,899	2.85
3. Additional Benefits Under Optional Plan	7,555,490	0.50
4. Post-retirement Survivor's Annuity	15,701,263	1.05
5. Pre-retirement Survivor's Annuity	7,497,389	0.50
6. Lump Sum Benefits and Refunds	61,416,141	4.11
7. Retiree Medical	29,147,892	1.95
8. Duty Disability Benefits	110,144	0.01
9. Ordinary Disability Benefits	7,975,420	0.53
10. Children's Benefits	683,087	0.05
11. Administrative Expenses	4,278,703	0.29
12. Total Normal Cost	$ 321,126,181	21.49%
13. Employee Contributions	127,182,931	8.51
14. Employer's Share of Normal Cost	$ 193,943,250	12.98%

Note. Normal costs for duty disability benefits, ordinary disability benefits, and children's benefits are calculated on an annual payout basis. The above figures are based on a total active payroll of $1,494,093,569 as of December 31, 2010.

H. ACTUARIALLY DETERMINED CONTRIBUTION REQUIREMENT

GASB Statements No. 25 and 27 provide for annual employer contribution requirements determined on an actuarial basis. According to the GASB statements, the actuarially determined contribution requirement is equal to the employer's normal cost plus an amortization of the unfunded actuarial liability. For a period of 10 years, the maximum acceptable amortization period is 40 years. After the 10-year period, the maximum acceptable amortization period is 30 years. The 10-year period expired on January 1, 2006. We have therefore calculated the actuarially determined employer contribution for the year beginning January 1, 2011 as the employer's normal cost plus a 30-year level-dollar amortization of the unfunded actuarial liability. The results of our calculation are shown in Exhibit 11.

Employer contributions come from a tax levied by the County upon all taxable property within the County equal to the total amount of contributions made by employees in the calendar year 2 years prior to the year of the levy, multiplied by 1.54. The 1.54 is known as the tax multiple.

As can be seen from Exhibit 11, for the year beginning January 1, 2011, the actuarially determined contribution requirement amounts to $613,952,848. The expected employer contribution from the tax levy, after a 3.0% loss on the net tax levy, amounts to $190,901,487. Thus, the employer contribution is expected to fall short of meeting the actuarially determined contribution requirement by $423,051,361. In order to have the employer contribution for the year 2011 sufficient to meet the actuarially determined contribution requirement, it is estimated that a tax multiple of 4.95 would have been required.

EXHIBIT 11

Actuarially Determined Contribution Requirement

	Year Ending December 31, 2010	2009
1. Employer's normal cost	$ 193,943,250	$ 195,436,579
2. Annual amount to amortize the unfunded liability over 30 years as a level dollar amount	420,009,598	376,881,805
3. Actuarially determined contribution requirement for year beginning January 1, 2011	$ 613,952,848	$ 572,318,384
4. Expected net employer contribution from tax levy, after a 3.0% loss on net tax levy	190,901,487	186,360,878
5. Amount by which employer contributions are expected to fall short of the actuarially determined contribution requirement	$ 423,051,361	385,957,506
6. Required tax multiple for employer contribution to meet actuarially determined contribution requirement	4.95	4.73

I. SOLVENCY TEST

A short term solvency test is a measure that can provide additional insight into the adequacy of pension funding. In this type of solvency test, a pension fund's current assets are compared with:

1. Active member accumulated contributions;
2. The liability for future benefits to current pensioners;
3. The employer's share of the liability for service already rendered by active members

In the case of a pension fund that is actuarially funded, the active member accumulated contributions and the liability for future benefits to present pensioners should generally be fully covered by plan assets. In addition, the employer's share of the liability for service already rendered by active members should be at least partially covered by the remainder of plan assets. In Exhibit 12, the actuarial value of the assets of the Fund is compared with: (1) active member accumulated contributions, (2) the liability for future benefits to current pensioners; and (3) the employer's liability for service already rendered by active members. The portion of each of the three liabilities that is covered by the actuarial value of assets is shown.

EXHIBIT 12

SOLVENCY TEST

Fiscal Year	ACCRUED LIABILITIES FOR (1) Active and Inactive Member Accumulated Contributions	(2) Member Currently Receiving Benefits	(3) Active and Inactive Member Employer Portion	Actuarial Value of Assets	Percent of Accrued Liabilities Covered By Assets (1)	(2)	(3)
2001	$ 1,108,332,348	$ 2,277,232,951	$ 3,292,654,390	$ 5,935,506,269	100%	100%	77%
2002	1,245,347,907	2,498,721,228	4,102,238,856	5,861,233,506	100%	100%	52%
2003	1,141,964,297	4,021,001,425	3,618,003,982	5,929,201,142	100%	100%	21%
2004	1,275,497,167	4,423,092,162	3,752,194,757	6,700,845,111	100%	100%	27%
2005	1,322,128,598	4,023,901,896	3,923,913,639	7,027,508,138	100%	100%	43%
2006	1,496,918,427	4,149,302,173	4,258,357,574	7,462,683,122	100%	100%	43%
2007	1,569,401,144	4,466,816,242	4,387,512,514	8,059,879,804	100%	100%	46%
2008	1,650,186,209	4,649,512,515	4,773,482,625	8,036,074,797	100%	100%	36%
2009	1,749,058,834	5,479,822,836	5,346,634,079	7,945,567,096	100%	100%	13%
2010	1,824,472,753	5,826,424,289	5,491,240,133	7,982,368,659	100%	100%	6%

J. CERTIFICATION

This actuarial report has been prepared in accordance with generally accepted actuarial principles and practices and to the best of our knowledge, fairly represents the financial condition of the County Employees' Annuity and Benefit Fund of Cook County as of December 31, 2010.

Respectfully submitted,

Sandor Goldstein, FSA, MAAA
Consulting Actuary

Carl J. Smedinghoff, ASA
Actuary

Appendix 1

Summary of Actuarial Assumptions and Actuarial Cost Method

The actuarial assumptions used for the December 31, 2010 actuarial valuation are summarized below. These assumptions are based on an experience analysis of the fund over the period 2005 through 2008. The assumptions were adopted by the board as of December 31, 2009 based on the recommendation of the actuary.

Mortality Rates. The UP-1994 Mortality Table for Males, rated down 2 years, and the UP-1994 Mortality Table for Females, rated down 1 year.

Termination Rates. Termination rates based on the recent experience of the Fund were used. The following is a sample of the termination rates used:

Rates of Termination

Age at Entrance

Attained	Males			Females		
Age	27	32	37	27	32	37
27	.145			.183		
32	.116	.165		.117	.165	
37	.030	.105	.141	.030	.093	.114
42	.030	.030	.085	.030	.030	.060
47	.030	.030	.030	.030	.030	.030

Retirement Rates. Rates of retirement for each age from 50 to 75 based on the recent experience of the Fund. The following are samples of the rates of retirement used:

Less Than 30 Years of Service at Retirement

	Rates of Retirement	
Age	Males	Females
50	.010	.012
55	.060	.072
60	.250	.216
65	.150	.120
70	.250	.200
75	1.000	1.000

30 Or MoreYears of Service at Retirement

Age	Rates of Retirement Males	Females
50	.150	.128
55	.300	.213
60	.375	.230
65	.270	.120
70	.450	.200
75	1.000	1.000

Retirement Rates for Deputy Sheriffs Who Are Members of the Cook County Police Department With 20 or More Years of Service at Retirement

Age	Rates of Retirement Males	Females
50	.211	.211
55	.169	.169
60	.382	.382
65	1.000	1.000

Salary Progression. 5.0% per year, compounded annually.

Interest Rate. 7.5% per year, compounded annually.

Medical Trend Rate. 8% in the first year, decreasing by .5% per year until an ultimate rate of 5% is reached.

Loading For Reciprocal Benefits. Costs and liabilities of active employees were loaded by 1% for reciprocal annuities where the County is the last employer. It was assumed that 50% of inactive members with one or more year of service would receive a reciprocal annuity where the County is not the last employer. These reciprocal annuities were valued as of the member's retirement date as 10 times an inactive member's accumulated contributions.

Marital Status. 85% of participants were assumed to be married.

Spouse's Age. The spouse of a male employee was assumed to be four years younger than the employee. The spouse of a female employee was assumed to be four years older than the age of the employee.

Actuarial Cost Method. The entry age actuarial cost method was used, with costs allocated on the basis of earnings. Actuarial gains and losses are reflected in the unfunded actuarial liability and are amortized over an open 30-year period.

Appendix 2

Summary of Principal Provisions

Participant. A person employed by the County whose salary or wages is paid in whole or in part by the County. An employee in service on or after January 1, 1984 shall be deemed as a participant regardless of when he or she became an employee.

Service. For all purposes except the minimum retirement annuity and ordinary disability benefit, service during four months in any calendar year constitutes one year of service. For the minimum retirement annuity, all service is computed in whole calendar months. Service for any 15 days in a calendar month shall constitute a month of service.

For purposes of the minimum retirement annuity, service shall include:

a. Any time during which the employee performed the duties of his or her position and contributed to the Fund.
b. Vacations and leaves of absence with whole or part pay.
c. Periods during which the employee receives a disability benefit from the Fund, and
d. Certain periods of accumulated sick leave.

Retirement Annuity – Eligibility. An employee who withdraws from service with 10 or more years of service is entitled to a retirement annuity upon attainment of age 50.

Retirement Annuity – Amount

Money Purchase Annuity. The amount of annuity based on the sum accumulated from the employee's salary deductions for age and service annuity plus 1/10 of the sum accumulated from the contributions by the County for age and service annuity for each completed year of service after the first 10.

Minimum Formula Annuity. The amount of annuity provided is equal to 2.4% of final average salary for each year of service. Final average salary is the highest average monthly salary for any 48 consecutive months within the last 10 years of service. Salary for pension purposes is actual salary earned exclusive of overtime or extra salary. The maximum amount of annuity is 80% of final average salary.

If an employee retires before age 60, the annuity is reduced by .5% for each full month or fraction thereof that the employee is under age 60 when the annuity begins, unless the employee has 30 or more years of service, in which case there is no reduction for retirement before age 60.

If the Minimum Formula Annuity is greater than the Money Purchase Annuity, the employee is entitled to receive the Minimum Formula Annuity.

Automatic Increase in Retirement Annuity. Employees who retire from service having attained age 60 or more, or, if retirement occurs on or after January 1, 1991, with at least 30 years of service, 3% of the annuity beginning January of the year following the year in which the first anniversary of retirement occurs. If retirement is before age 60 with less than 30 years of service, increases begin in January of the year immediately following the year in which age 60 is attained. Beginning January 1, 1998, increases are calculated as 3% of the monthly annuity payable at the time of the increase.

Optional Plan of Contributions and Benefits. During the period through June 30, 2005, an employee may establish optional credit for additional benefits by making additional contributions of 3% of salary. The additional benefit is equal to 1% of final average salary for each year of service for which optional contributions have been paid. The additional benefit shall be included in the calculation of the automatic annual increase and the calculation of the survivor's annuity.

Alternate Annuity for County Officers. An alternate annuity is available for county officers elected on or before January 1, 2008. The amount of this alternate annuity is equal to 3% of final salary for the first 8 years of service, 4% for the next 4 years of service, and 5% thereafter, subject to a maximum of 80% of final salary. The elected county officer is required to contribute an additional 3% of salary to be eligible for the alternate annuity. The alternate survivor's annuity for survivors of elected county officers is 66 2/3% of the amount of the elected county officer's earned retirement annuity on the date of death, subject to a minimum payment of 10% of salary.

Annuities for Members of the Cook County Police Department. In lieu of the regular of minimum retirement annuity, a deputy sheriff who is a member of the County Police Department may be entitled to the following annuity:

Upon withdrawal from service after having attained age 50 in service with 20 or more years of service credit as a police officer, the officer shall be entitled to an annuity computed as follows: 50% of final average salary, plus 2% of final average salary for each year of service in excess of 20 years, subject to a maximum of 80% of final average salary.

Surviving Spouse's Annuity – Death in Service

Money Purchase Annuity. The amount of annuity based on the accumulated salary deductions and County contributions for both the employee and the spouse.

Minimum Formula Annuity. A minimum annuity is provided for the eligible surviving spouse of an employee who dies in service with any number of years of service. The amount of such minimum spouse's annuity is equal to 65% of the annuity the employee would have been entitled to as of the date of death, provided the spouse on such date is age 55 or older, or that the employee had 30 or more years of service. If the spouse is under age 55 and the employee had less than 30 years of service, the amount of the spouse's annuity shall be discounted by .5% for each month that the spouse is less than age 55 on the date of the employee's death. The amount of the surviving spouse's annuity shall not be less than 10% of the employee's final average salary as of the date of death.

If the Minimum Formula Annuity is greater than the Money Purchase Annuity, the surviving spouse shall be entitled to receive the Minimum Formula Annuity.

Surviving Spouse's Annuity – Death after Retirement. The amount of the annuity is the greater of the money purchase annuity or the minimum formula annuity. The surviving spouse of an annuitant who dies on or after July 1, 2002 shall be entitled to an annuity of 65% of the employee's annuity at the time of death if the employee had at least 10 years of service, reduced by .5% per month that the spouse is under age 55 at the time of the employee's death. There is no reduction for age if the employee had at least 30 years of service.

Automatic Annual Increase in Surviving Spouse's Annuity. On the January 1 occurring on or immediately after the first anniversary of the deceased employee's death, the surviving spouse's annuity shall be increased by 3% of the amount of annuity payable at the time of the increase. On each January 1 thereafter, the annuity shall be increased by an additional 3% of the amount of annuity payable at the time of the increase.

Child's Annuity. Annuities are provided for unmarried children of a deceased employee who are under age 18. An adopted child is entitled to the child's annuity if such child was legally adopted at least one year before the child's annuity becomes payable. The child's annuity is payable under the following conditions:

(a) the death of the employee was a duty related death; or (b) if the death is not a duty related death, the employee died while in service and had completed at least four years of service from the date of his or her original entrance in service and at least two years from the latest re-entrance: or (c) if the employee died while in receipt of an annuity, her or she must have withdrawn from service after attainment of age 50

The amount of the annuity is the greater of 10% of the employee's final salary at the date of death or $140 per month for each child.

Duty Disability Benefits. Duty disability benefits are payable to an employee who becomes disabled as a result of an accidental injury incurred while in the performance of an act of duty. Benefits begin on the first regular and normal work date for which the employee does not receive a salary. The amount of the duty disability benefit is equal to 75% of the employee's salary at the date of injury, reduced by the amount the employee receives from Workers' Compensation. However, if the disability, in any measure has resulted from any physical defect or disease that existed at the time such injury was sustained, the duty disability benefit shall be 50% of salary. The Fund contributes the 8.5% (9% for County Police) of salary normally contributed by the employee for pension purposes.

If the disability commences prior to age 60, duty disability benefits are payable during disability until the employee attains age 65. If the disability begins after age 60, the benefit is payable during disability for a period of 5 years.

Recipients of duty disability benefits also have a right to receive child's disability benefits of $10 per month on account of each unmarried child less than age 18. Total children's disability benefits shall not exceed 15% of the employee's salary.

Ordinary Disability Benefits. Ordinary disability benefits are provided for employees who become disabled as the result of any cause other than injury incurred in the performance of an act of duty. The amount of the benefit is 50% of the employee's annual salary at the time of disability. The Fund also contributes the 8.5% (9% for County Police) of salary normally contributed by the employee for pension purposes.

Ordinary disability benefits are payable after the first 30 days of disability provided the employee is not then in receipt of salary. Ordinary disability benefits are payable until the first of the following shall occur:

(a) the disability ceases; or
(b) the date that total payments equal the lesser of (1) ¼ of the total service rendered prior to disability, and (2) five years.

An employee unable to return to work at the expiration of ordinary disability benefit is entitled to an annuity beginning on the date of the employee's withdrawal from service regardless of age on such date.

Death Benefit. Upon the death of an active or retired employee, a death benefit of $1,000 is payable to the employee's designated beneficiary or to the employee's estate if no beneficiary has been designated.

Group Health Benefits. The Fund may pay all or any portion of the premium for health insurance on behalf of each annuitant who participates in any of the Fund's health care plans. As of January 1, 2005, the Fund is paying 55% of the premiums for retiree annuitants and 70% of the premiums for survivor annuitants.

Refund to Employee Upon Withdrawal From Service. Upon withdrawal from service, an employee under the age of 55, or anyone with less than 10 years of service is eligible for a refund. The employee is entitled to a refund of the amount accumulated to his or her credit for age and service annuity and the survivor's annuity together with the total amount contributed for the automatic annual increase, without interest. Upon receipt of such refund, the employee forfeits all rights to benefits from the Fund.

Election of Refund in Lieu of Annuity. If an employee's annuity or spouse's annuity is less than $150.00 per month, such employee or spouse annuitant may elect a refund of the employee's accumulated contributions in lieu of a monthly annuity.

Refund For Surviving Spouse's Annuity. If an employee is unmarried at the time of retirement, all contributions for surviving spouse's annuity will be refunded with interest at the rate of 3% per year, compounded annually.

Refund of Remaining Amounts. In the event that the total amount accumulated to the account of employee from employee contributions for annuity purposes has not been paid to the employee and surviving spouse as a retirement or surviving spouse's annuity before the death of the survivor of the employee and spouse, a refund of any excess amount shall be paid to the children of the employee, in equal parts, or if there are no children, to the beneficiaries of the employee or the administrator of the estate.

Employee Contributions. Employees contribute through salary deductions 8.5% (9% for County Police) of salary to the Fund, 6.5% (7% for County Police) being for the retirement annuity, 1.5% being for the surviving spouse's annuity, and .5% being for the automatic increase in retirement annuity.

Employer Contributions. The County levies a tax annually equal to the total amount of contributions made by employees in the calendar year 2 years prior to the year of the levy, multiplied by 1.54.

Employer Pick-up of Employee Contributions. Since April 15, 1982, regular employee contributions have been designated for federal income tax purposes as being made by the employer. The employee's W-2 salary is therefore reduced by the amount of contribution. For pension purposes, the salary remains unchanged. For purposes of benefits, refunds, and financing, these contributions are treated as employee contributions.

Appendix 3

Glossary of Terms used in Report

1. Actuarial Present Value. The value of an amount or series of amounts payable at various times, determined as of a given date by the application of a particular set of actuarial assumptions.

2. Actuarial Cost Method or Funding Method. A procedure for determining the actuarial present value of pension plan benefits and for determining an actuarially equivalent allocation of such value to time periods, usually in the form of a normal cost and an actuarial accrued liability.

3. Normal Cost. That portion of the present value of pension plan benefits, which is allocated to a valuation year by the actuarial cost method.

4. Actuarial Accrued Liability or Accrued Liability. That portion, as determined by a particular actuarial cost method, of the actuarial present value of pension benefits which is not provided for by future normal costs.

5. Actuarial Value of Assets. The value assigned by the actuary to the assets of the pension plan for purposes of an actuarial valuation.

6. Unfunded Actuarial Liability. The excess of the actuarial liability over the actuarial value of assets.

7. Entry Age Actuarial Cost Method. A cost method under which the present value of the projected benefits of each individual included in an actuarial valuation is allocated as a level dollar amount or level percent of the individual's earnings between entry age and assumed exit age. The portion of this actuarial present value of benefits allocated to a valuation year is called the normal cost. The portion of this actuarial present value of benefits not provided at a valuation date by the actuarial present value of future value of normal costs is called the actuarial liability.

Under this method, the actuarial gains (losses), as they occur, generally reduce (increase) the unfunded actuarial liability.

8. Actuarial Assumptions. Assumptions as to future events affecting pension costs.

9. Actuarial Valuation. The determination, as of the valuation date, of the normal cost, actuarial liability, actuarial value of assets, and related actuarial present values for a pension plan.

10. Vested Benefits. Benefits that are not contingent on an employee's future service.

Appendix 4

Summary of Legislative Changes

1982 Session

SB 1147

- Actuarial reporting to Insurance Department and Pension Laws Commission. Actuarial statements prepared by a qualified actuary for plan years ending after December 31, 1984 including actuarial present value of credited projected benefits.

SB 1452

- Allows a participant who served as Village Trustee and was not then eligible to participate in the IMRF for such service, to obtain credit in this fund by making the required contributions. Four-year maximum credit.

SB 1579

- Permitted investment list moved to general section of the statute. Expanded fiduciary standards, prohibited transactions, civil action may be brought by Attorney General or by a participant.

HB 2286

- Deputy Sheriff may elect between January 1, 1983 and January 15, 1983 to transfer credit to this Fund from the State Employees' Retirement System.

1983 Session

SB 22

- Delegation of investment authority restrictions.

HB 514

- 10% prudent person investment category.
- 10% increase in spouse benefits to spouses receiving benefits as of January 1, 1984.
- Immediate participation rather than after 1 year of service.
- Refunds if off the payroll at least 30 days.
- Money purchase annuity for County Sheriff's service not counted for Sheriff Formula.
- Elected sheriff may be covered by Sheriff Formula with contributions.

HB 637

- Allows an active member of the General Assembly to establish credit in this fund for time for which he or she could have elected to participate with interest at 6% and to transfer credits to the Park Fund.

1984 Session

- No legislative changes.

1985 Session

HB17

- For withdrawals on or after July 1, 1985, 10 year vesting formula (for employee minimum and spouse minimum annuity) providing the employee 2% of final average earnings for each year of service reduced 0.5% (for ages 55-60) for each month under age 60 (but no reduction with at least 30 years of service). Spouse minimum amount is 50% of the employee's amount at retirement (reduced 0.5% for each month the spouse is under age 60) but not less than 10% of the final average earnings.
- Unisex money purchase factors for widows/widowers.
- Disability provisions extended to 70 in certain cases.
- Sheriff formula for withdrawals after December 31, 1985 after having attained age 50 in service with 20 or more years of service of 50% of 4 year average earnings plus 2% for each year or fraction of service over 20.
- Changes in the reversionary annuity provisions.
- Optional plan of 3% contributions for 1% optional benefit per year of service. Provisions for payment of past service with interest. Provisions expire July 1, 1990. Such plan, if elected by a member, would require a 3% of salary contribution (with interest for past service) and would produce an additional 1% per year of service benefit and would increase the employee annuity, post-retirement increase and spouse annuity. Membership in this plan is optional and as such, it is possible to delay election to just prior to retirement. Therefore, at this time, there is no accurate estimate of how many members will actually elect the optional benefits. The liabilities and the annual cost requirements of the fund may be substantially understated (up to 50% in some cases) if participation is high. It is difficult to pre-fund an unknown benefit. Actuarial losses may occur as experience develops.

1986 Session

HB 2630

- Allows for a member of a County police department to establish service credit for approved leaves of absence without pay, during which the employee served as head of an employee association consisting of other police officers by making the required contributions.
- Allows for the use of service of less than one year for calculating reciprocal annuities in the case of employees who transfer or are transferred as a class from one participating system to another.

1987 Session

HB 2715

- For withdrawals after January 1, 1988, and for employees with at least 10 years of service and age 50, the minimum formula annuity is increased to 2.2% of the Final Average Salary for each of the first 20 years of service and 2.4% for each year thereafter, not to exceed the maximum of 80% of Final Average Salary. For retirement between age 50 (new minimum retirement age) and age 60, the annuity thus computed will be reduced 0.5% for each month the employee is under age 60 unless the employee has 30 or more years of service in which case no reduction will apply.
- The surviving spouse of an employee who retires on or after January 1, 1988, with at least 10 years of service is entitled to 50% of the annuity including increases that the deceased annuitant was receiving as of his or her date of death. Such annuity to be reduced 0.5% for each month the surviving spouse is under age 60 at the date of the annuitant's death.
- Effective January 1, 1988, any child's annuity being paid shall be increased from $140 per month to 10% of the employee's salary at the date of death provided that the increased annuity would be greater than $140 per month, subject to Statutory maximums.
- Effective January 1, 1987, the maximum age conditions for any disability are removed for employees whose disability continued past that date.
- A Deputy Sheriff with at least 15 years of service as a Deputy Sheriff can receive credit under the Police formula for other Cook County service by electing to pay an additional contribution prior to retirement. In addition, any Police Officer who has rendered at least 20 years of service and who separates from service prior to age 50 and does not withdraw his or her contributions can apply for pension benefits at age 50 without returning to duty.
- Effective July 1, 1988, all employee and surviving spouse annuitants will receive a one-time increase. Such increase to be an additional 1% for each full year that the annuitant has received benefits as of July 1, 1988.
- An alternative plan for elected officials of 3% of the Final Average Salary for the first 8 years, 4% for the next 4 years and 5% thereafter, subject to the maximum of 80%, is available. The elected official must contribute and additional 3% of salary to receive these benefits.
- Effective December 1, 1988, the Retirement Board will be increased from 5 to 7 Trustees. One annuitant Trustee to be elected for a 3 year term by those persons receiving annuity or disability benefits and 1 Forest Preserve District Trustee to be elected by the Forest Preserve District contributors for a term of 3 years beginning December 1, 1988.

1988 Session

- No legislative changes.

1989 Session

SB 95

- Allows active members of the General Assembly to transfer credits and creditable service established in the Fund to a Fund established under Article 5 of the Pension Code.
- For withdrawals on or after July 1, 1985, provides that for employees with at least 30 years of service, no reduction for age less than 60 will apply for the spouse annuity.

SB 1096

- Extends the Optional Plan of benefits from the original expiration date of July 1, 1990 to July 1, 1992.

HB 332

- Signed August 23, 1989.
- Eliminated age-related discriminatory provisions as required by Federal law or regulations.
- Provided for age discrimination changes effective January 1, 1988 to eliminate age 65 requirements for marriage in service and children's benefits, provided contributions after age 65 for spouse benefits, provided employee accumulation annuities be computed after age 70, provided employee and spouse accumulation annuities not be "fixed" at age 65, provided no age 70 restriction on disability benefits, provided for active members over age 65 that their accounts be "unfixed" and accumulate interest until the date of withdrawal, and provided that there be no age 70 membership limitation and removed the permitted "no spouse" refund at age 65.
- Provides that for employees retiring after January 1, 1988, but before age 55, Section 20-131 shall not apply; therefore, they are not entitled to the alternative formula set forth in Section 20-122 repealed in 1975.

HB 158

- Provides for payment by the Fund of 50% of the health care premiums for annuitants who participate in any of the County's health care programs beginning January 1, 1990 and ending December 31, 1993, subject to the following maximums:

Single coverage, no Medicare	$130.00 per month
Single coverage, with Medicare	39.00 per month
Annuitant + 1 family member, no Medicare	212.00 per month
Annuitant + 1 family member, 1 with Medicare	168.00 per month
Annuitant + 1 family member, both with Medicare	78.00 per month
Annuitant + 2 or more family members, no Medicare	280.00 per month

1990 Session

SB 1951

- Signed January 14, 1991.
- Raises the maximum annuity for a Deputy Sheriff from 75% of final average salary to 80% of final average salary.
- Provides for a revised table to be used for reversionary annuities to allow for the younger age 50 retirement approved in previous legislation.
- Allows for the refund of the additional 0.5% contributions that are paid by a Deputy Sheriff for the special Sheriff's formula to be refunded if the regular formula is used to calculate the employee annuity at the time of retirement. The refund, if given, is to include the interest as well as the 0.5% contributions.
- In the case where an employee who is disabled and cannot return to work after all his/her disability credit has expired, and chooses the option to pay for up to one additional year of service under Section 9-174, this additional service will not affect the resignation date for annuity purposes, but the salary and service will be used for such purposes.
- Provides for employees who retire on or after November 1, 1990, any accumulated vacation paid out in a lump-sum at the time of retirement will not affect the employees' withdrawal date for purposes of annuity. Any service will be granted and used for annuity purposes, but the final average salary will <u>not</u> include the salary for any vacation paid out.

SB 136

- Amends Chapter 120, Paragraph 671 of the Revenue Act to provide for a separate listing on the tax bill of the dollar amount of tax due from the person assessed which is allocable to a tax levied under the Illinois Pension Code, or any other tax levied by a municipality or township for public pension or retirement purposes. Effective January 1, 1990.

1991 Session

HB 971

- Signed November 19, 1991.
- Early Retirement Window for employees attaining age 55 prior to withdrawal and withdrawing on or after January 1, 1992, but before December 31, 1992, the service requirement for minimum formula annuity is reduced to 5 years. In addition, for the same period above, the age discount for retirement prior to age 60 is reduced to 0.25% per month under age 60 at retirement. The widow(er)'s annuity for the above early retirement window is 50% of the employee's annuity reduced by 0.5% for each month the widow(er) is under the age 60 at the time of the employee's death.

Other Changes

- Provides that the 3% annuity increase will begin on January 1st following the first anniversary of retirement for employees who retired with 30 or more years of service and were under age 60 at retirement.

- Extends the Optional Plan of Benefits for an additional 5 years to July 1, 1997.
- Allows for an employee to make contributions and receive service credit for any unused accumulated sick leave up to 180 days, at retirement.
- Employees may now discontinue making contributions to the Pension Fund after 35 (previously 42) years of contributing service upon notification to the Retirement Board at least 60 days before the deductions cease.
- For widow(er)s of employees or annuitants who die after November 19, 1991, the maximum limit on the spouse annuity is removed provided that the employee was at least 60 with at least 20 years of service or also if retirement occurred on or after January 1, 1982, at age 65 or over with at least 10 years of service for retirements.
- For widow(er)s of employees who retired on or after January 1, 1984, but before July 1, 1985, with at least 30 years of service, the annuity is 50% of the employee's annuity as of the date of retirement with no discount for under age 60.
- Beginning with retirements or deaths on January 1, 1992, with at least 10 years of service, the age discount for a widow(er)'s annuity will be 0.5% for each month the widow(er) is under age 55 at the date of the employee's death. This is reduced from age 60 for prior deaths or retirements.
- Beginning on November 19, 1991, provides for a $1,000.00 death benefit payable upon the death of employee or annuitant to the employee's designated beneficiary, or to the employee's estate if no beneficiary has been named.
- Beginning December 1, 1991, the Fund may pay , on behalf of each of the Fund's annuitants who chooses to participate in any of the County's health care plans, all or any portion of the total health care premium (including coverage for other family members) due from each such annuitant.
- Allows the annuitant to authorize the withholding of dues from annuity checks for certain labor organizations.
- Allows participation for all employees with at least one month of service.
- Provides for a repayment of contributions and transfer of service from the General Assembly and for former members of the General Assembly through February 1, 1993.
- Grants the authority to rent or lease office space to the Board of Trustees when deemed desirable for the purposes of the Fund.
- Allows the Pension Fund to withhold contributions to a labor organization from annuity checks provided that at least 100 annuitants authorize withholdings from their checks.
- Provides for the repayment of contributions by former members of the County Police who were the head of an employee association, to include both the employee and employer shares.

1992 Session

SB 1770

- Signed September 16, 1992.
- Early Retirement Incentive
    - Provides an extra 1% per year of County service, up to 10 maximum, times the final four year average salary for those eligible employees. There is no cost to the employee. The age discount from age 55 to 60 is eliminated if eligible.

- Eligible if a contributing member on May 1, 1992 and:
  - Retires on or after December 1, 1992 and on or before May 29, 1993;
  - Attains age 55 or more on or before the date of retirement; and
  - Has at least 10 years of creditable service.

1993 Session

SB 1650

- Signed January 26, 1993.
- Provides that the 3% annuity increase will begin no later than January 1, 1993 for employees who retire before age 60 before January 1, 1991 with at least 30 years of service.
- For widow(er)s of annuitants who die on or after January 1, 1993, the widow(er)'s annuity shall be 50% of employee's retirement annuity at death discounted 0.5% per month the widow(er)'s age is less than 55, except if the employee had 30 years of service.
- Allows an employee with 25 years of service to pay for up to 2 years of military service, whether or not followed by County service.
- Two year minimum subsequent service is changed to six months for employees who apply to repay a refund between January 1, 1993 and March 1, 1993.
- Employees may transfer to County up to 10 years with Municipal or Laborers' until March 1, 1993.
- Allows for transfer of County service credit to Judges.
- Allows a State Policeman to transfer all or some of his service with County Police to State Employees Retirement System until July 1, 1993 and reinstate service credit terminated by a refund by paying 6% compounded annually until July 1, 1993.
- Former members of County Police who retire January 1, 1993 to March 1, 1993 do not have to pay employer contribution for periods served as head of an employee association.

1994 Session

- No legislative changes.

1995 Session

SB 114

- Approved July 14, 1995.
- The amount of earnings that may be taken into account by any retirement system is limited to the maximum dollar limitation specified in Section 401(a)(17) of the Internal Revenue Code, except for persons who became participants before 1996.
- Allows for active participants employed be the Cook County State's Attorney's office on January 1, 1995 to transfer to this Fund credits accumulated under a pension fund established under Article 5 of this Code and to transfer said credits from said fund to the Cook County

fund upon payment of both employee and employer contributions with 6% interest to the County Employees' Annuity and Benefit Fund.
- The Fund is authorized to make certain involuntary distributions required by Section 401(a)(9) of the Internal Revenue Code.

SB 424
- Approved July 7, 1995.
- The Pension Laws Commission was created as a legislative support services agency.

1996 Session

SB 1456
- Approved August 9, 1996.
- Any chief of the County Police Department or undersheriff of the County Sheriff's Department may elect to be included as a deputy sheriff.

1997 Session

HB 313
- Signed June 27, 1997.
- Change county size necessary for fund creation to 3,000,000 from the previously required 500,000.
- As of January 1, 1998 the automatic annual increase for employee and spouse annuitants changed to 3% compounded for all past, current, and future annuitants, regardless of the effective date of the annuity. Term annuities are not eligible for the automatic annual increase.
- Early Retirement Incentive
    - Provides an extra 1% per year of County service, up to 10 maximum, times the final four year average salary for those eligible employees. There is no cost to the employee. The age discount from age 55 to 60 is eliminated if eligible.
    - Eligible if a contributing member on May 1, 1997 and:
        - Retires on or after September 1, 1997 and on or before February 28, 1998;
        - Attains age 55 or more on or before the date or retirement; and
        - Has at least 10 years of creditable service.
- Effective January 1, 1998 all widow(er) annuitants will have their annuities increased by 3% and will receive the automatic increase of 3% compounded annually. Those widow(er) annuitants receiving a Term annuity will not be eligible for the automatic annual increase.
- Extends the Optional Plan of benefits to July 1, 2002.
- Allows members of the Cook County police department to transfer their service into the Policemen's fund until July 1, 1998, and to reinstate service credit terminated by a refund by paying 6% compounded annually.

- Allows members of the fund with at least 20 years of service credit to make contributions, until June 1, 1998; into the fund based on CTA compensation and creditable service is granted for this period for up to 10 years of service credit.

1998 Session

- Effective July 1, 1999, Public Act 90-731, allows an alternate payee (former spouse, child, or dependent) designated in a Qualified Domestic Relations Order to receive all or a specified portion of a member's retirement benefits or refund otherwise payable to the member.

1999 Session

- No legislative changes.

2000 Session

- Passed Public Act 87-1130, which removes the remarriage penalty. Effective September 6, 2000 widow annuities will no longer be ceased due to their remarriage.

2001 Session

- No legislative changes.

2002 Session

HB 5168

- Signed June 28, 2002.
- Contractual service to the Retirement Board, of at least 5 years, can be purchased as creditable service in the fund for up to 10 years of services by making a written application to the board before July 1, 2003. A person who establishes such credit may, at the same time, reinstate credit in the Fund and repay a refund without a return to service.
- An employee, who withdraws on or after July 1, 1996 but before August 1, 1996, at age 55 or over with 8 or more years of service, may elect to receive a minimum formula annuity equal to 2.2% of the Final Average Salary for each of the first 20 years of service and 2.4% for each year thereafter, not to exceed the maximum of 80% of Final Average Salary. There will be an age discount of 0.25% fore each month that the employee is under the age of 60, unless the employee has at least 30 years of service.
- For withdrawals after June 30, 2002, with at least 10 years of service and age 50, the minimum formula annuity is increased to 2.4% of the Final Average Salary for each year of service, not to exceed the maximum of 80% of Final Average Salary.

- Early Retirement Incentive
    - Provides an extra 1% per year of County service, up to 10 maximum, times the highest consecutive four year average salary in the last 10 years of service for those eligible employees. There is no cost to the employee. The age discount for attained age under 60 is eliminated if eligible.
    - Eligible if a contributing member on January 1, 2001 and:
        - Retires on or after November 30, 2002 and on or before March 31, 2003;
        - Attains age 50 or more on or before the date of retirement; and
        - Has at least 20 years of creditable service in the Fund.
- For widow(er)s of annuitants who die in service or after July 1, 2002, or has at least 10 years of service and dies on or after July 1, 2002 while receiving an annuity, the widow(er)'s annuity shall be 65% of employee's retirement annuity at death discounted 0.5% per month the widow(er)'s age is less than 55, except if the employee had 30 years of service.
- For widow(er)s of annuitants who were not married at the time of retirement, but married after retirement for at least one year prior to annuitant's death, the widow(er) will be eligible for an annuity if the refunded contributions for a widow(er)s annuity are repaid, plus interest at the rate of 6% per year. (The Pension Fund Board has received a legal opinion that has interpreted this to include the current widow(er). The legal opinion was that, since in these instances no refund of spouse contributions was made, there is no payment due from the widow.)
- Extends the Optional Plan of benefits to July 1, 2005.

2003 Session

- No legislative changes.

2004 Session

- No legislative changes.

2005 Session

SB 1446

- Made certain changes to the provisions relating to QILDRO, effective July 1, 2006. It makes an alternate payee entitled to receive death benefits and allows the alternate payee to receive a percentage of the employee's retirement benefits (instead of only a fixed dollar amount).
- Public Act 94-0079, prohibits Illinois public pension funds from investing or depositing in entities doing business in or with the government of Sudan.

2006 Session

- No legislative changes.

2007 Session

HB 49

- Public Act 95-279, effective January 1, 2008.
- Provides that legally adopted children shall be entitled to the same benefits as other children, and no child's or survivor's benefit shall be disallowed because the child is an adopted child.

HB 3578

- Public Act 95-0654, effective January 1, 2008.
- Eliminated the alternative formula for county officers elected after January 1, 2008.

HB 5168

- Signed into law on August 23, 2007 as Public Act 95-0369.
- Provided that members who were in active employee status on December 31, 2006, applies for a refund of contributions between the dates of August 23, 2007 and October 7, 2007, and resigns their position between August 23, 2007 and October 22, 2007, shall be entitled to receive a one-time lump sum retirement cancellation payment equal to the member's accumulated contributions with interest, multiplied by 1.5, in lieu of any retirement annuity or other benefit provided by the fund. An employee who receives a retirement cancellation payment may not be rehired until after being out of service for at least 365 days. A person who has received an alternative retirement cancellation payment and who returns to service under the Fund must repay the regular refund with interest at 3% per year and the 50% enhancement payment with interest at 6% per year.
- Eliminated the requirement to maintain various reserve accounts no longer needed for the administration of the fund.

SB 1380

- Signed into law on August 28, 2007 as Public Act 95-0504.
- Provides that for 6 months from the effective date, an employee may transfer to this Fund up to 6 years of creditable service accumulated under Article 3 of the Pension Code upon payment to this Fund of the amount of employee and employer contribution that would have been required if the employee had participated in this Fund during the period for which credits is being transferred plus interest at the rate of 6% per year.

2008 Session

SB 2520

- Public Act 95-1036, effective February 17, 2009.
- Provides that duty disability and child's disability benefits shall not be allowed unless application therefor is made while the disability exists; except that this limitation does not apply if the Board finds that there was reasonable cause for delay in filing the application while the disability existed. Provides that this is intended to be a restatement and clarification of existing law and does not imply that application for a duty disability benefit made after the disability had ceased, without a finding of reasonable cause, was previously allowed under this Article.

- Provides that (i) before any action may be taken by the Board of Trustees on an application for duty disability benefit or widow's compensation or supplemental benefit, the related applicant must file a timely claim under the Workers' Compensation Act or the Workers' Occupational Diseases Act, as applicable, to establish that the disability or death resulted from an injury incurred in the performance of an act or acts of duty, and the applicant must receive compensation or payment from the claim or the claim must otherwise be finally adjudicated and (ii) with respect to duty disability, satisfactory proof must be provided to the Board that the final adjudication of the claim established that the disability or death resulted from an injury incurred in the performance of an act or acts of duty.
- Amends the Cook County Forest Preserve Article of the Illinois Pension Code. Adds a provision imposing forfeiture of benefits upon conviction of a felony arising out of or in connection with the member's employment.

2009 Session

SB 0364

- Public Act 96-0006 effective April 3, 2009.
- Requires Board members to file a verified written statement of economic interest annually with the office of the Clerk of Cook County.
- Requires the Board to adopt a policy that sets quantifiable utilization goals for the management of assets in specific asset classes for emerging investment managers. Goals shall be separated by minority ownership, female ownership, and person with a disability ownership.
- Requires that if at least one emerging firm meets criteria of search process, at least one shall be invited to present to the Board for final consideration.
- Requires the Board to adopt a policy that sets forth goals for increasing the racial, ethnic, and gender diversity of its fiduciaries, including its consultants and senior staff.
- Requires the Board to adopt a policy that sets forth goals for utilization of WMDBE firms for all contracts and services, based on the percentage of total dollar amounts of all contracts let.
- Requires the Board to adopt a policy that sets forth goals for increasing the utilization of minority broker-dealers.
- Requires an annual report to the Governor and General Assembly on the utilization of "emerging firms" as defined by Article 1 of the Pension Code.
- Requires the Board to award all contracts for investment services using a competitive process that is substantially similar to the process required for the procurement of professional services under Article 35 of the Illinois Procurement Code. Requires the Board to adopt a procurement policy which will be posted on the Fund's website and filed with the Illinois Procurement Policy Board.
- Provides that a person may not act as a consultant or investment adviser unless that person is registered as an investment adviser or bank under the federal Investment Advisers Act of 1940.
- Requires investment contracts between the Retirement Board and investment service providers to include certain required information.

- Provides consultant contracts cannot exceed five years in duration; however, incumbent consultants may compete for new contracts.
- Requires investment consultants and advisers to disclose all direct and indirect fees, commissions, penalties, and other compensation paid by or on behalf of the investment consultant or adviser in connection with the services provided.
- Requires that a description of every contract let for investment services be posted on the website, including name of entity awarded the contract, amount of contract, total fees paid, and disclosure describing the factors that contributed to the selection.
- Requires the Fund to maintain a website that shall include standard investment reporting, a copy of relevant Board policies, a listing of investment consultants and managers, a notification of any requests for investment services, and the names and e-mail addressed of Board members, Fund directors, and senior staff.
- Requires Board members to attend at least eight hours of ethics training per year and requires each Board to annually certify its member's compliance and submit an annual certification to the Division of Insurance of the Department of Financial and Professional Regulation.
- Prohibits any Fund trustee or employee or their spouses or immediate family living with them to intentionally solicit or accept any gift from any prohibited source as prescribed in Article 10 of the State Officials and Employees Ethics Act, including educational materials and missions and travel expenses for discussing Fund business.
- Provides that any person who knowingly makes any false statement or falsifies or permits falsifying any record of the pension fund in an attempt to defraud is guilty of a Class 3 felony.
- Provides that no person or entity shall retain a person or entity to influence the outcome of an investment decision or the procurement of investment advice to a pension fund for compensation, contingent upon the decision of the Board.
- Requires approval for travel or education mission expense of a Trustee by a majority of the Board prior to mission.

SB 0189

- Public Act 96-0542 effective August 17, 2009.
- Amends the Open Meetings Act and the Freedom of Information Act.

2010 Session

SB1946 and SB550

- Public Acts 96-0889, effective April 14, 2010, added 5/1-160 and Public Act 96-1490, effective December 30, 2010, made technical changes 5/1-160. These acts created a 2nd Tier of benefits for all reciprocal systems of the Pension Code.
- Members first participating in any reciprocal fund, except Judges and GARS, on or after January 1, 2011 will be Tier 2 members.
- Tier 2 members will have their salary capped at $106,800 for all purposes. The amount of the cap is subject to increase annually at the lesser of ½ the change in CPI-u or 3%. If the change in CPI-u is zero or negative, the cap will not change.

- Tier 2 member's Final Average Salary (FAS) used in annuity benefit calculations will be based on the highest consecutive 96 months in the last 10 years.
- Tier 2 members will not be able to receive an unreduced retirement annuity until age 67 and the earliest they can receive any retirement annuity is age 62. Annuities payable before age 67 are reduced ½% for each full month under 67 regardless of service. Tier 2 members must have at least 10 years of service to qualify for a retirement annuity.
- Tier 2 members will not be able to receive a COLA until the January 1 following their 67th birthday or following the 1 year anniversary of retirement, whichever is later. The COLA will not be compounded and will be the lesser of ½ the change in CPI-u or 3%. If the change in CPI-u is zero or negative, there will be no increase.
- The Tier 2 surviving spouse annuity will be 66-2/3% of the member's retirement annuity at death. If the member is not retired, it is 66-2/3% of the member's earned retirement annuity.
- The Tier 2 COLA for a surviving spouse annuity will begin the January 1 following the member's death if the member was retired. If they member was not retired it will begin on the January 1 following the 1 year anniversary of the member's death. The COLA will not be compounded and will be the lesser of ½ the change in CPI-u or 3%. If the change in CPI-u is zero or negative, there will be no increase.
- Tier 2 members receiving a retirement annuity will have their annuity suspended if they go to work on a full time basis with any reciprocal fund except Judges and GARS.
- There was no change in the member's benefit accrual percentage (2.4% per year) or the employee or employer contributions.

HB 4644

- Public Act 96-0961 effective July 2, 2010 added 5/9-128.2 allows elected officials to establish earnings credit for the amount of stipend that was not received.
- Member must pay employee contributions and employer's normal cost on the stipend not received and actuarially assumed interest. Payment must be received by January 2, 2011.