

**San Diego County Employees Retirement Association**

**ACTUARIAL EXPERIENCE STUDY**

**Analysis of Actuarial Experience  
During the Period  
July 1, 2003 through June 30, 2006**

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January 29, 2007

Board of Retirement  
San Diego County Employees Retirement Association  
2275 Rio Bonito Way, Suite 200  
San Diego, CA 92108-1685

**Re: Review of Non-economic Actuarial Assumptions as of June 30, 2006**

Dear Members of the Board:

We are pleased to submit this report of our review of the actuarial experience of the San Diego County Employees Retirement Association. This study utilizes the census data of the last three actuarial valuations and includes the proposed actuarial assumptions to be used in the next actuarial valuation as of June 30, 2007.

Please note that in this report, we have only reviewed the non-economic assumptions. The economic actuarial assumption recommendations for the June 30, 2007 valuation will be provided in a separate report.

We look forward to reviewing this report with you and answering any questions you may have.

Sincerely,

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Paul Angelo, FSA, EA, MAAA, FCA  
Senior Vice President and Actuary

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## I. INTRODUCTION, SUMMARY, AND RECOMMENDATIONS

To project the cost and liabilities of the Pension Fund, assumptions are made about all future events that could affect the amount and timing of the benefits to be paid and the assets to be accumulated. Each year actual experience is compared against the assumptions, and to the extent there are differences, the future contribution requirement is adjusted.

If assumptions are changed, contribution requirements are adjusted to take into account a change in the projected experience in all future years. There is a great difference in both philosophy and cost impact between recognizing the actuarial deviations as they occur annually and changing the actuarial assumptions. Taking into account one year's gains or losses without making a change in the assumptions means that that year's experience was temporary and that, over the long run, experience will return to what was originally assumed. Changing assumptions reflects a basic change in thinking about the future, and it has a much greater effect on the current contribution requirements than the gain or loss for a single year.

The use of realistic actuarial assumptions is important in maintaining adequate funding, while paying adequate benefit amounts to participants already retired and to those near retirement. The actuarial assumptions used do not determine the "actual cost" of the plan. The actual cost is determined solely by the benefits and administrative expenses paid out, offset by investment income received. However, it is desirable to estimate as closely as possible what the actual cost will be so as to permit an orderly method for setting aside contributions today to provide benefits in the future, and to maintain equity among generations of participants and taxpayers.

This study was undertaken in order to compare the actual experience during the three year period from July 1, 2003 through June 30, 2006 with that expected under the current assumptions. The study was performed in accordance with Actuarial Standard of Practice (ASOP) No. 35, "Selection of Demographic and Other Non-economic Assumptions for Measuring Pension Obligations." This Standard of Practice put forth guidelines for the selection of the various actuarial assumptions utilized in a pension plan actuarial valuation. Based on the study's results and expected near-term experience, we are recommending various changes in the current actuarial assumptions.



During the three year period, the Association had losses of \$302 million related to actuarial experience. Out of this amount, a loss of \$99 million was from actual investment return, a loss of \$45 million from economic assumption changes adopted by the Board, and a loss of \$158 million from deviations in actual experience from expected experience. Please note that the above actuarial experience did not include an actuarial gain we had from data corrections.

We are recommending changes in the assumptions for retirement from active employment, deferred vested retirement age, pre-retirement mortality, healthy life mortality, disabled life mortality, turnover (withdrawal and vested termination), disability (ordinary and duty), salary increases, and percentage of members married.

Our recommendations for the major actuarial assumption categories are as follows:

**Retirement Rates** - The probability of retirement at each age at which participants are eligible to retire.

**Recommendation:** *Adjust the current retirement rates to more accurately reflect past experience. General members are assumed to retire a little earlier while Safety members are assumed to retire a little later.*

**Mortality Rates** - The probability of dying at each age. Mortality rates are used to project life expectancies.

**Recommendation:** *The current post-retirement mortality rates for Safety members who retired for service retirement and disability retirement have been adjusted to reflect about a one year improvement in mortality. The current post-retirement mortality rates for General members who retire for service retirement and disability retirement have been left unchanged. The pre-retirement mortality assumption for Safety members has been adjusted to be consistent with the table recommended for post service retirement mortality.*

**Termination Rates** - The probability of leaving employment at each age and receiving either a refund of contributions (ordinary withdrawal) or a deferred vested retirement benefit (vested termination).

**Recommendation:** *For General members, the ordinary withdrawal and vested termination rates have been decreased in total. For Safety members, the ordinary withdrawal rates have been slightly decreased while the vested termination rates have been slightly increased.*

**Disability Incidence Rates** - The probability of becoming disabled at each age.

*Recommendation: The rates have been decreased for non-service connected disability (ordinary) and increased for service connected disability (duty) to more accurately reflect past experience. Overall, the current and proposed assumptions predict about the same number of total ordinary and duty disabilities for General females. The proposed assumptions predict a higher number of total ordinary and duty disabilities for Safety but a lower total for General males.*

**Individual Salary Increases** - Increases in the salary of a member between the date of the valuation to the date of separation from active service

*Recommendation: The merit and longevity rates during the first five years of service have been increased slightly to reflect the past experience.*

Section II provides some background on basic principles and the methodology used for the experience study. A detailed discussion of the experience and reasons for the proposed changes is found in Section III.

## II. BACKGROUND AND METHODOLOGY

In this report, we analyzed the “demographic” or “non-economic” assumptions only. The “economic” assumptions for the June 30, 2007 valuation will be provided in a separate report. Demographic assumptions include the probabilities of certain events occurring in the population of members, referred to as “decrements,” e.g., withdrawal from service, disability retirement, service retirement, and death after retirement. We also review the individual salary increases net of wage inflation (i.e., the merit and longevity assumptions) in this report.

### *Demographic Assumptions*

In order to determine the probability of an event occurring, we examine the “decrements” and “exposures” of that event. For example, taking withdrawal from service, we compare the number of employees who actually withdraw in a certain age and/or service category (i.e., the number of “decrements”) with those who could have withdrawn (i.e., the number of “exposures”). For example, if there were 500 active employees in the 20-24 age group at the beginning of the year and 50 of them left during the year, we would say the probability of withdrawal in that age group is  $50 \div 500$  or 10%.

The reliability of the resulting probability is highly dependent on both the number of decrements and the number of exposures. For example, if there are only a few people in a high age category at the beginning of the year (number of exposures), we would not lend as much credence to the probability of withdrawal developed for that age category, especially if it is out of line with the pattern shown for the other age groups. Similarly, if we are considering the death decrement, there may be a large number of exposures in, say, the age 20-24 category, but very few decrements (actual deaths); therefore, we would not be able to rely heavily on the probability developed for that category.

One reason we use several years of experience for such a study is to have more exposures and decrements, and therefore more statistical reliability. Another reason for using several years of data is to smooth out fluctuations that may occur from one year to the next. However, we also calculate the rates on a year-to-year basis to check for any trend that may be developing in the later years.

### **III. ACTUARIAL ASSUMPTIONS**

#### **A. RETIREMENT RATES**

The age at which a member retires will affect both the amount of the benefits that will be paid to that member as well as the period over which funding must take place.

We used experience collected during the full three-year period since no benefit changes occurred. Please note that this is also the first triennial experience study to reflect the service retirement experience after the County benefit improvements effective March 8, 2002. The actual service (non-disability) retirement experience for active participants over the past three years is provided on the following page, followed by the current and proposed retirement rates.

The following rates are the observed rates based on the actual experience:

**Actual Rate of Retirement (From July 1, 2003 to June 30, 2006)**

Rate (%)

Age	General	Safety
48*	100.0	0.0
49*	100.0	9.6
50	7.0	16.3
51	5.3	9.1
52	6.5	9.2
53	6.5	14.8
54	9.5	24.4
55	14.4	15.4
56	12.5	23.6
57	15.4	17.0
58	16.1	30.4
59	18.6	28.9
60	22.8	42.1
61	27.0	25.0
62	34.2	40.7
63	26.9	23.5
64	31.3	27.3
65	47.8	28.6
66	36.0	20.0
67	30.8	75.0
68	39.6	100.0
69	40.5	-
70	30.5	-

\* *These rates are calculated based on General members with 30 or more years of service and Safety members with 20 or more years of service.*

The following rates of retirement are currently assumed for SDCERA active members:

**Current Retirement Probability**

Rate (%)

Age	General	Safety
48	-	4.0
49	-	4.0
50	6.0	15.0
51	3.0	15.0
52	5.0	15.0
53	6.0	15.0
54	6.0	15.0
55	12.0	25.0
56	13.0	30.0
57	15.0	30.0
58	17.0	35.0
59	20.0	35.0
60	20.0	45.0
61	25.0	45.0
62	25.0	50.0
63	25.0	50.0
64	25.0	50.0
65	30.0	100.0
66	30.0	100.0
67	30.0	100.0
68	30.0	100.0
69	40.0	100.0
70	100.0	100.0

The following rates of retirement are what we would propose for this study:

**Proposed Retirement Probability**

Age	Rate (%)	
	General	Safety
48	-	4.0
49	-	4.0
50	8.0	15.0
51	5.0	15.0
52	5.0	15.0
53	6.0	15.0
54	8.0	15.0
55	12.0	20.0
56	13.0	25.0
57	15.0	30.0
58	17.0	35.0
59	20.0	35.0
60	20.0	45.0
61	25.0	45.0
62	27.0	45.0
63	29.0	45.0
64	30.0	45.0
65	30.0	100.0
66	30.0	100.0
67	30.0	100.0
68	40.0	100.0
69	40.0	100.0
70	100.0	100.0

As you can see from our proposed rates, we anticipate General members will retire a little earlier while Safety members will retire a little later than the current assumptions.

Chart 1 compares actual experience with the assumed and proposed rates of retirement for General members. Chart 2 has the same data for Safety members.

In prior valuations, deferred vested General and Safety members were assumed to retire at age 58 and 53, respectively. The average age at retirement over the prior three years was 57 for General and 53 for Safety. We recommend modifying the assumed retirement age for all deferred vested participants to age 57 for General members while maintaining the assumed retirement age of 53 for Safety members.

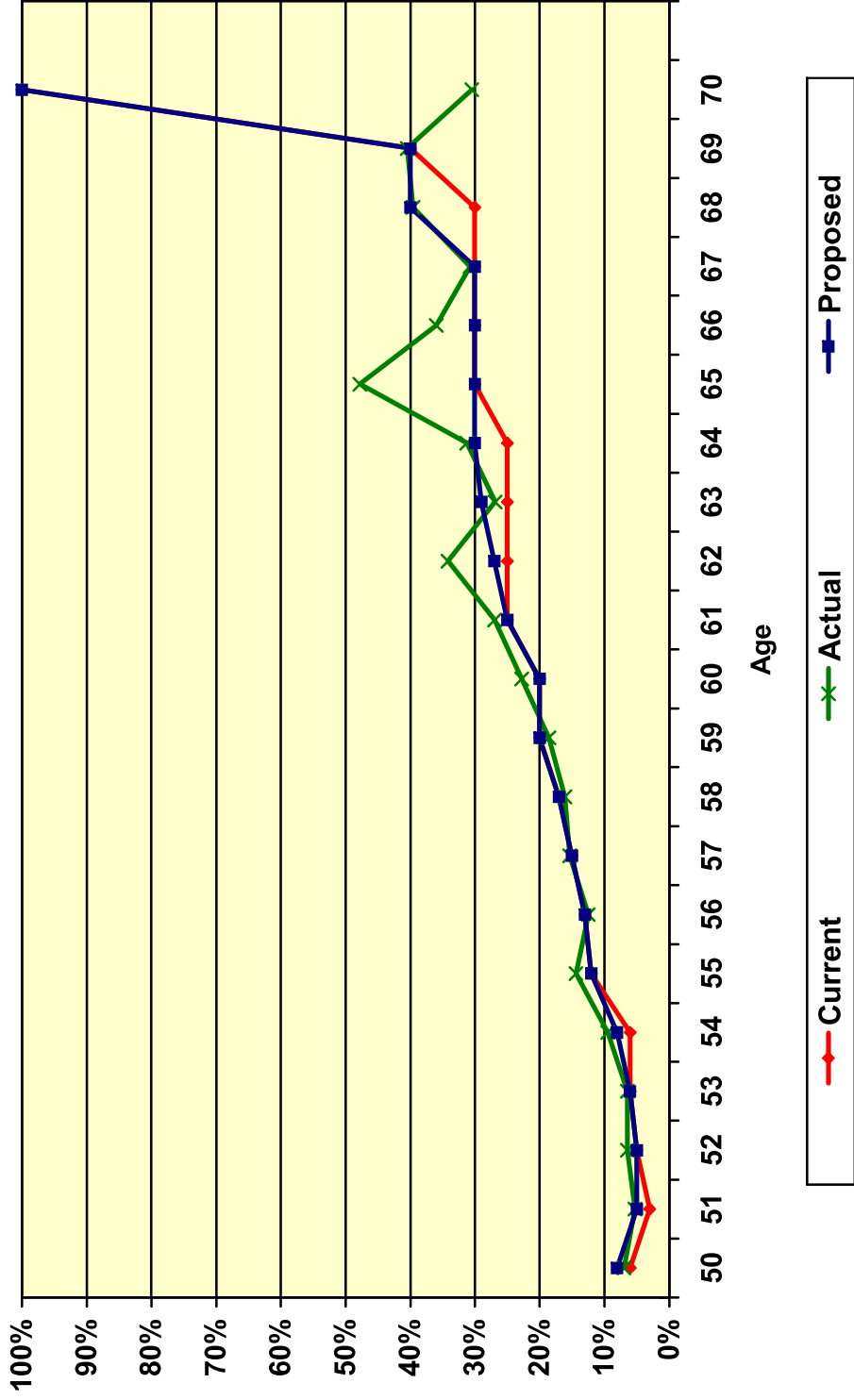
It is also assumed that 35% of inactive General and 40% of inactive Safety deferred vested participants would be reciprocal and receive 5.25% annual salary increases from termination until their date of retirement. Even though the actual experience only indicated that 23% of General and 33% of Safety members went on to be covered by a reciprocal retirement system, we recommend maintaining the current 35% and 40% reciprocal assumptions for General and Safety members, respectively. Our recommended reciprocal assumptions are higher than the observed experience during the last three years to reflect the generally higher reciprocal experience at other major California public retirement systems served by Segal. Since there are no significant changes to the salary increase assumptions, we propose that the current 5.25% annual salary increase assumption continue to be used to anticipate salary increases from termination to the expected date of retirement.

In prior valuations, it was assumed that 80% of all active male members and 65% of all active female members would be married when they retired. According to experience of members who retired during the last three years, about 78% of all male members and 54% of all female members were married at retirement. We recommend maintaining the current 80% marriage assumption for male members, but decreasing the marriage assumption for female members from 65% to 55%. The reduction in the marriage rate reflects a correction in the retiree data provided by SDCERA in the June 30, 2006 valuation.

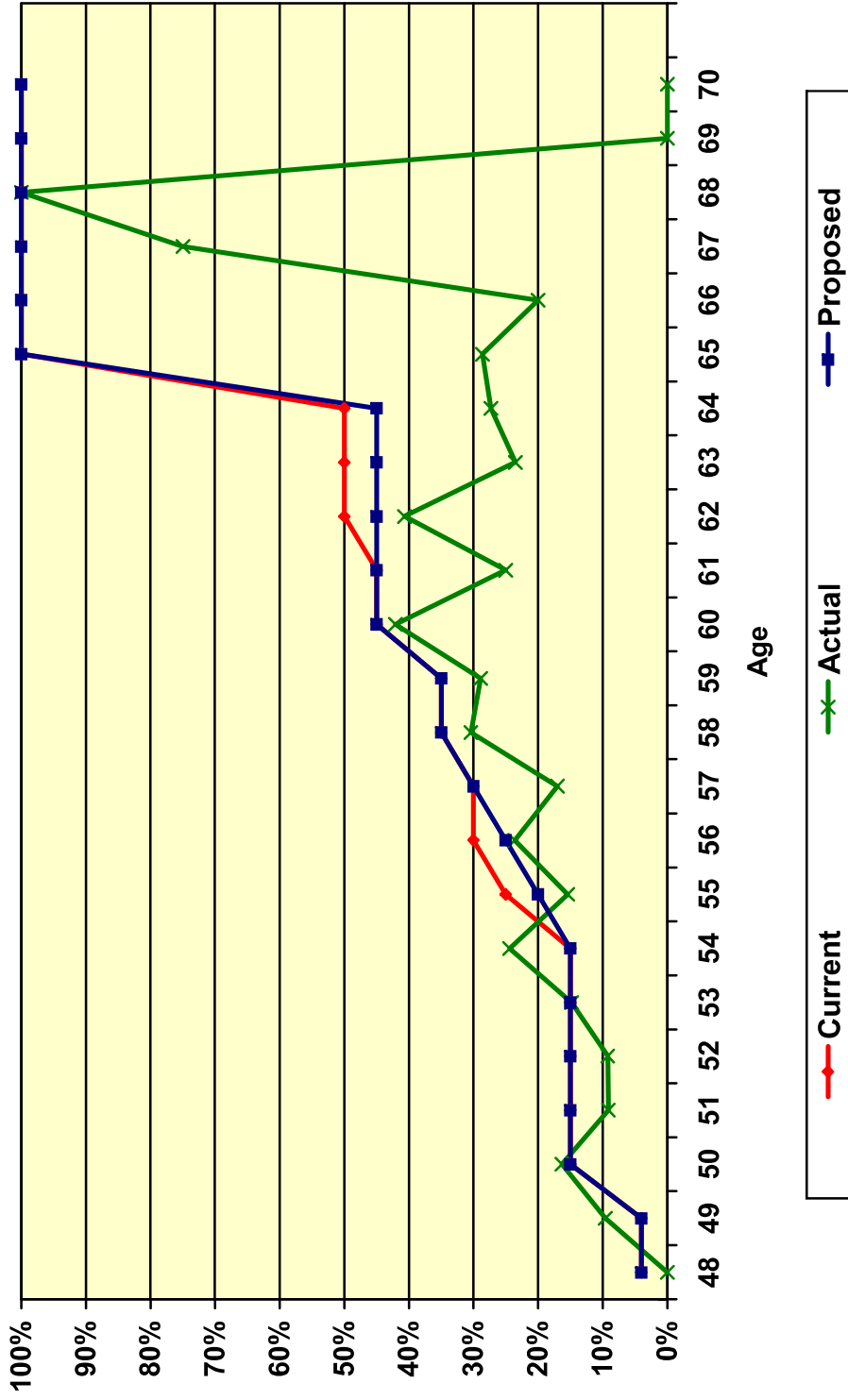
Based on the data, we also recommend maintaining the current assumption that when active members retire, female spouses are assumed to be three years younger than their male spouses. Spouses will be assumed to be of the opposite sex to the member until we have more actual experience concerning domestic partners.



**Chart 1**  
**Retirement Rates - General Members**



**Chart 2**  
**Retirement Rates - Safety Members**



**B. MORTALITY RATES - HEALTHY**

The “healthy” mortality rates project what proportion of members will die before retirement as well as the life expectancy of a member who retires for service (i.e., who did not retire on a disability pension). The tables currently being used for post-service retirement mortality rates are the 1994 Group Annuity Mortality Male and Female Tables.

Pre-Retirement Mortality

The number of deaths among active members is not large enough to provide statistics credible enough to develop a unique table. Therefore, it is assumed that pre-retirement mortality and post-retirement mortality will follow the same tables. For General, all pre-retirement deaths are assumed to be non-service connected while for Safety, all pre-retirement deaths are assumed to be service connected.

Post-Retirement Mortality (Service Retirements)

Among service retired members, the actual deaths compared to the expected deaths under the current and proposed assumption for the last three years is as follows:

	General - Healthy			Safety - Healthy		
	Actual Deaths	Current Expected Deaths	Proposed Expected Deaths (no change)	Actual Deaths	Current Expected Deaths	Proposed Expected Deaths
2004	214	222	222	7	11	10
2005	222	219	219	12	11	10
2006	254	228	228	4	12	11
Total	690	669	669	23	34	31
Actual / Expected		103%	103%		68%	74%

Chart 3 compares actual to expected deaths for General members under the current and proposed assumptions for all pensioners over the last three years. Experience shows that there were more deaths than predicted by the current table.

Chart 4 has the same comparison for Safety members. Experience shows that there were fewer deaths than expected.

For General service retirees, the ratio of actual to expected deaths was 103%. We recommend no change in mortality table as general actuarial practice is to include some margin for improvements in mortality in the future.

For Safety service retirees, the ratio of actual to expected deaths was 68%. The actual number of deaths was 23 during this experience study period versus 29 actual deaths during the last experience study period. Based on the combined experience for all General and Safety service retirees, we are comfortable in recommending only a one year mortality improvement to the 1994 Group Annuity Mortality Table (separate tables for males and females). However, this will bring the actual to expected ratio for Safety service retirees to only 74%. We will continue to monitor this assumption closely in future studies.

Chart 5 shows the life expectancies under the current and the proposed tables for General members.

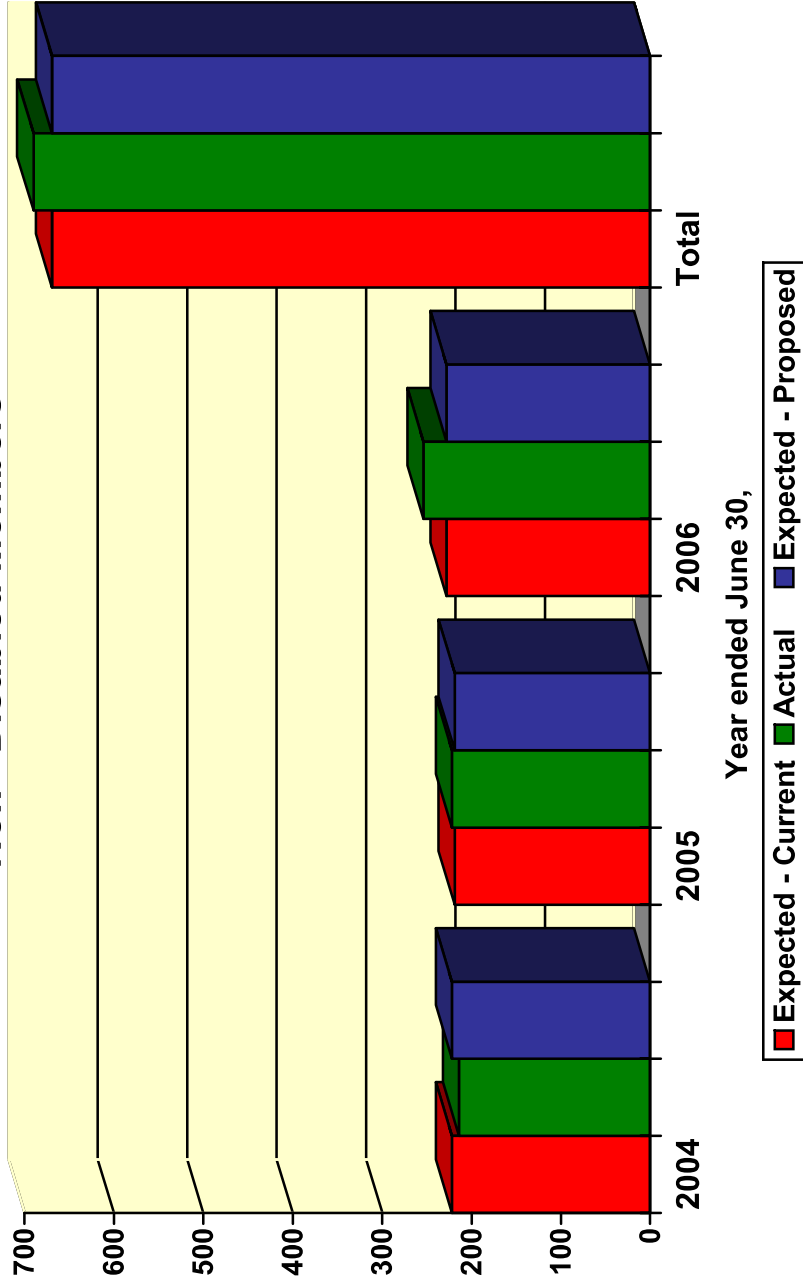
Chart 6 has the same information for Safety members.

#### Mortality Table for Member Contributions

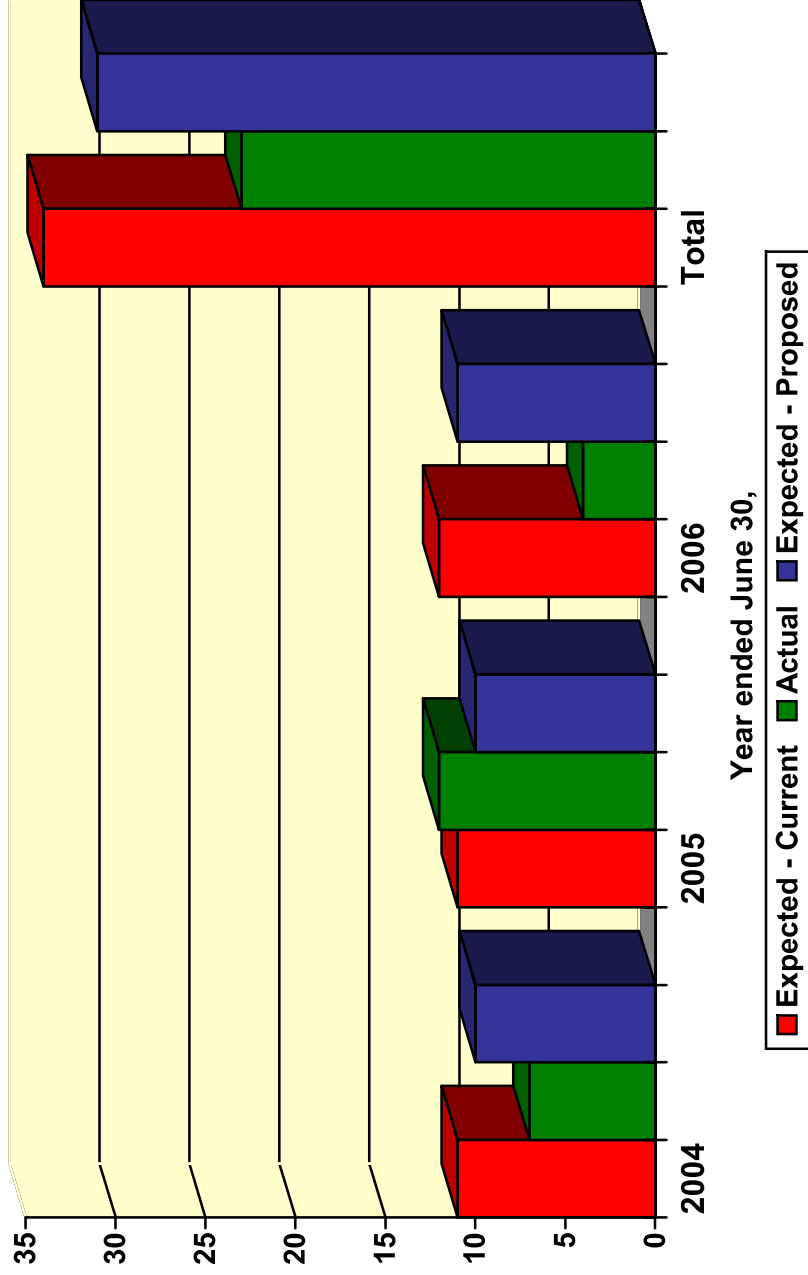
We recommend that the mortality table used for determining contributions for General members be changed from the 1994 Group Annuity Mortality Table for Females with a two year set forward to a combination of the 1994 Group Annuity Mortality Table for Males weighted 30% and the 1994 Group Annuity Mortality Table for Females weighted 70%. This is based on the proposed valuation tables for General members and the actual sex distribution of General members.

For Safety members, we recommend the mortality table be changed from the 1994 Group Annuity Mortality Table for Males with a one year set back to a combination of the 1994 Group Annuity Mortality Table for Males with a one year set back weighted 75% and the 1994 Group Annuity Mortality Table for Females with a one year set back weighted 25%. This is based on the proposed valuation tables for Safety members and the actual sex distribution of Safety members.

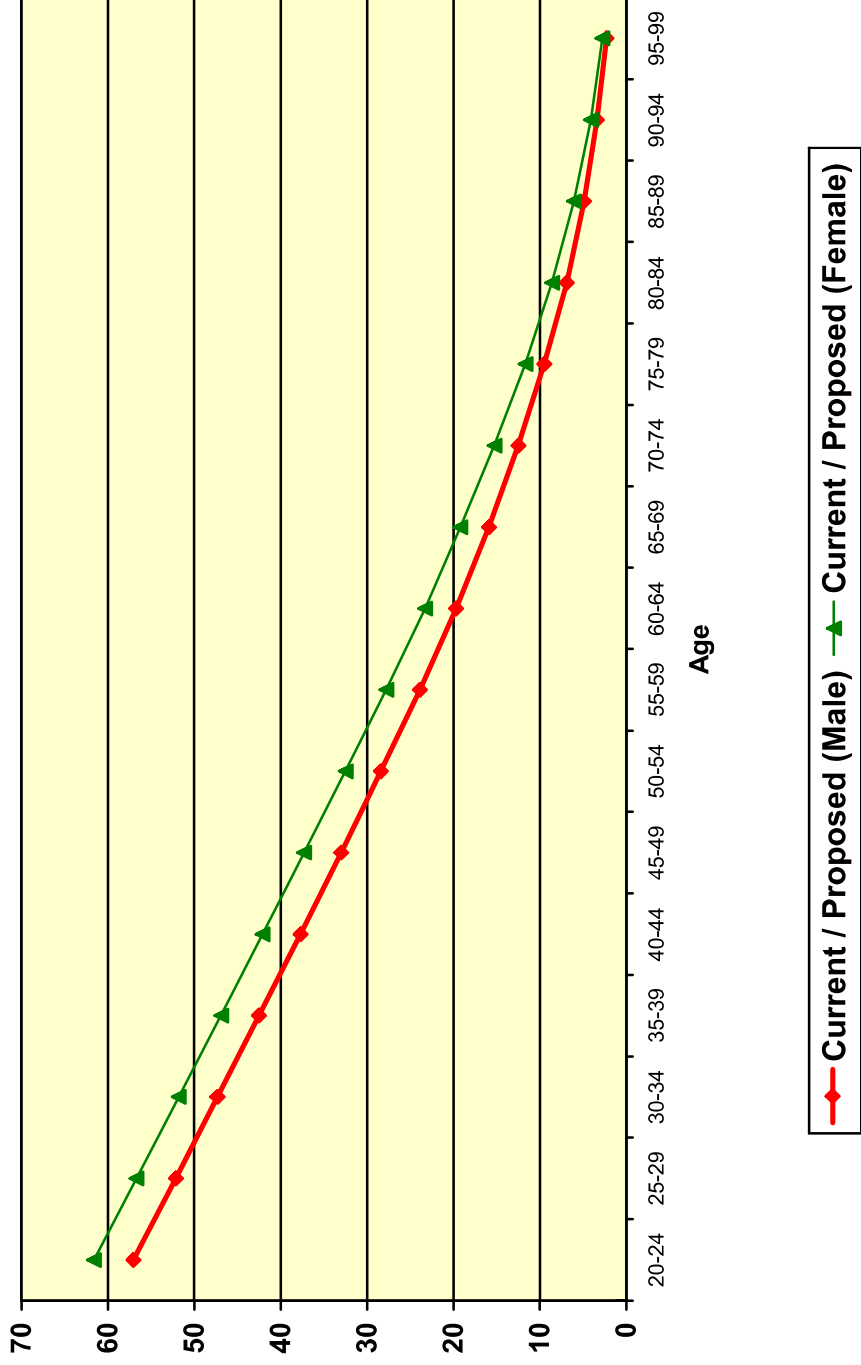
**Chart 3**  
**Post - Retirement Deaths (General)**  
**Non - Disabled Members**



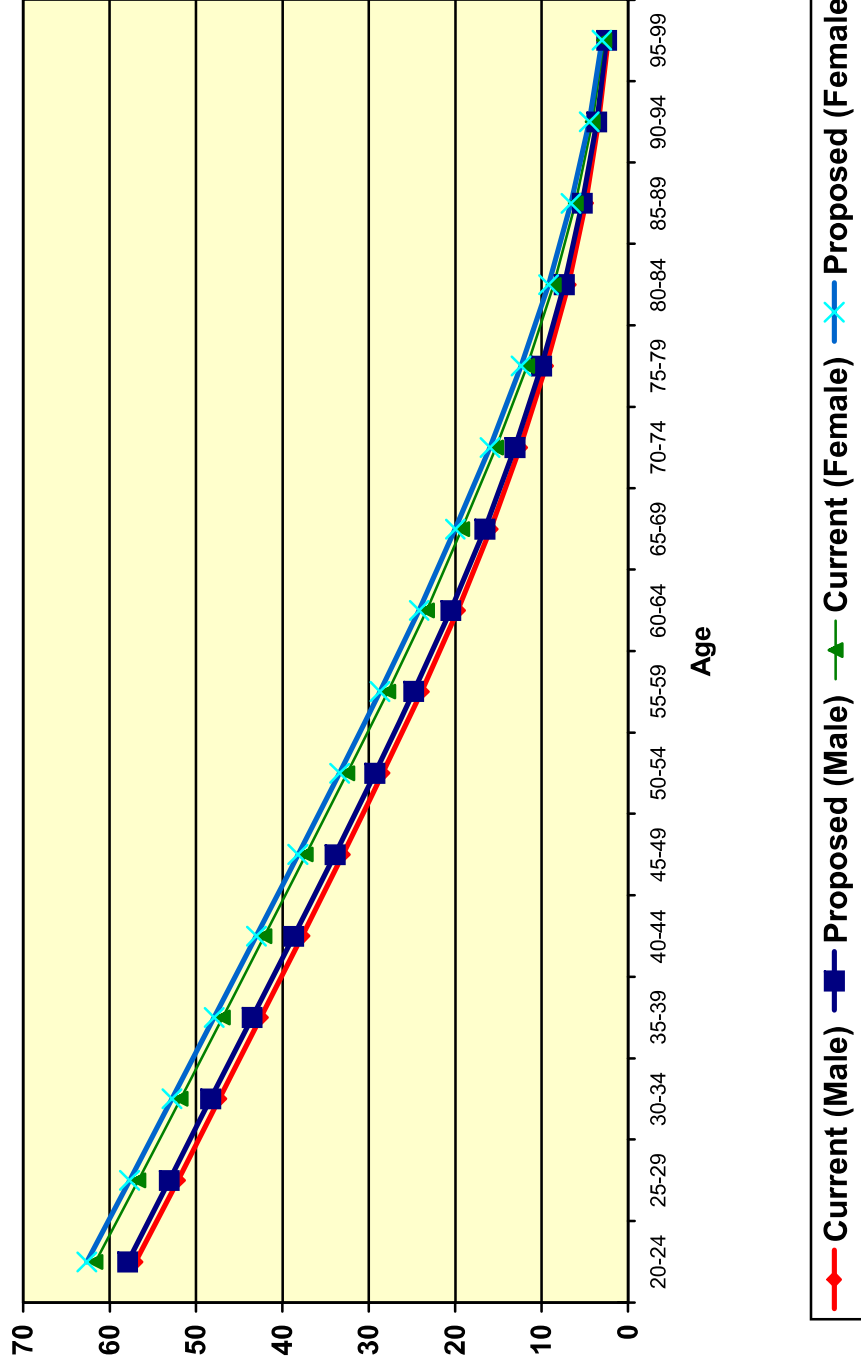
**Chart 4**  
**Post - Retirement Deaths (Safety)**  
**Non - Disabled Members**



**Chart 5**  
**Life Expectancies (General)**



**Chart 6**  
**Life Expectancies (Safety)**





**C. MORTALITY RATES - DISABLED**

Since mortality rates for disabled members can be higher than for healthy members, a different mortality assumption is often used. The tables currently being used for General members is the 1994 Group Annuity Mortality Table with a seven year set forward. For Safety members, the tables currently used for healthy retirees are also used for disabled retirees.

The number of actual deaths compared to the number expected under the current and proposed assumptions for the last three years has been as follows:

	General - Disability			Safety – Disabled		
	Actual Deaths	Current Expected Deaths	Proposed Expected Deaths (no change)	Actual Deaths	Current Expected Deaths	Proposed Expected Deaths
2004	19	28	28	4	4	4
2005	32	28	28	2	4	4
2006	28	27	27	4	5	4
Total	79	83	83	10	13	12
Actual / Expected		95%	95%		77%	83%

Chart 7 compares actual to expected deaths under both the current and proposed assumptions for disabled General members over the last three years.

There were 79 actual deaths during this experience study period versus 91 actual deaths during the last experience study period. We are comfortable in not recommending an adjustment to the mortality assumption at this time. We will continue to monitor this assumption closely in future studies.

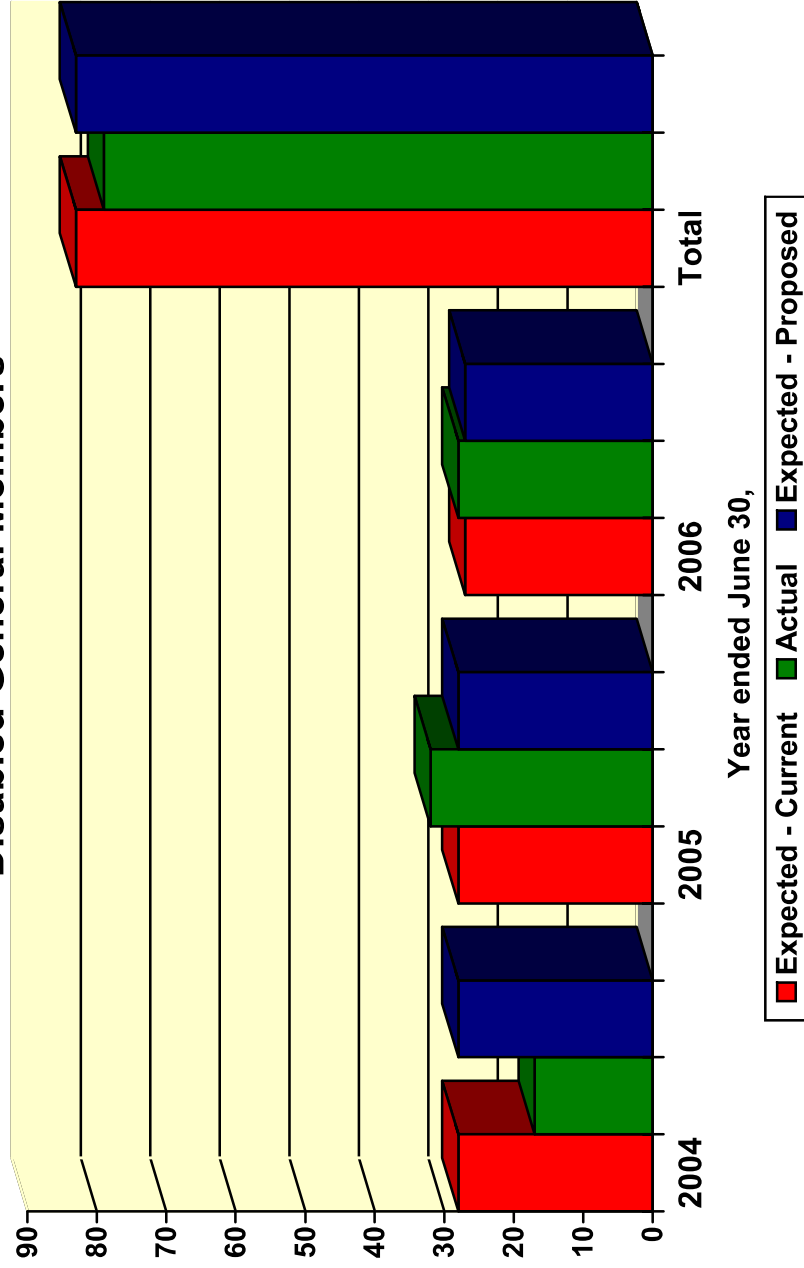
Chart 8 compares actual to expected deaths under both the current and proposed assumptions for disabled Safety members over the last three years.

For disabled Safety members, we recommend that the mortality table be changed to the 1994 Group Annuity Mortality Table with a one year set back consistent with our recommendation for Safety healthy retirees.

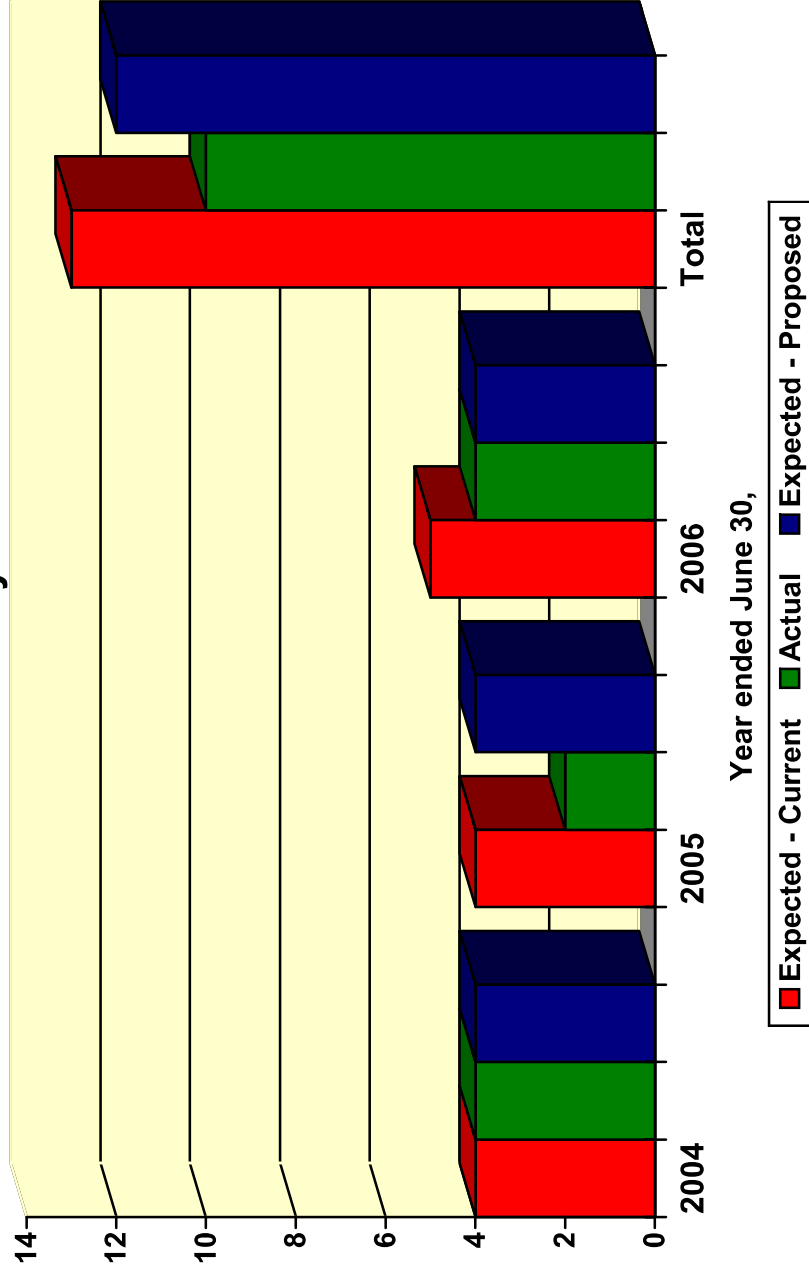
Chart 9 shows the life expectancies under both the current and proposed tables for General members.

Chart 10 has the same information for Safety members.

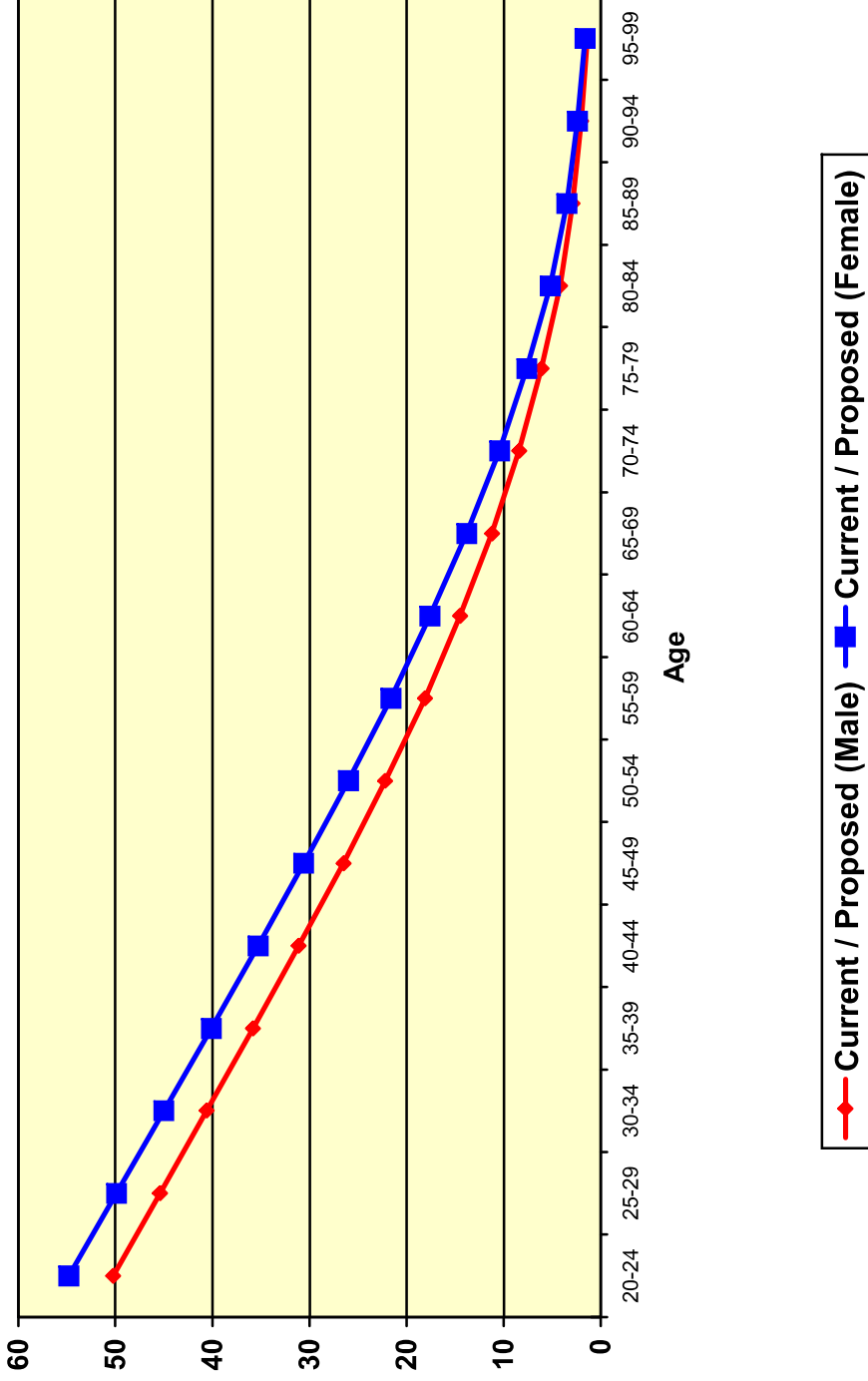
**Chart 7**  
**Post - Retirement Deaths**  
**Disabled General Members**



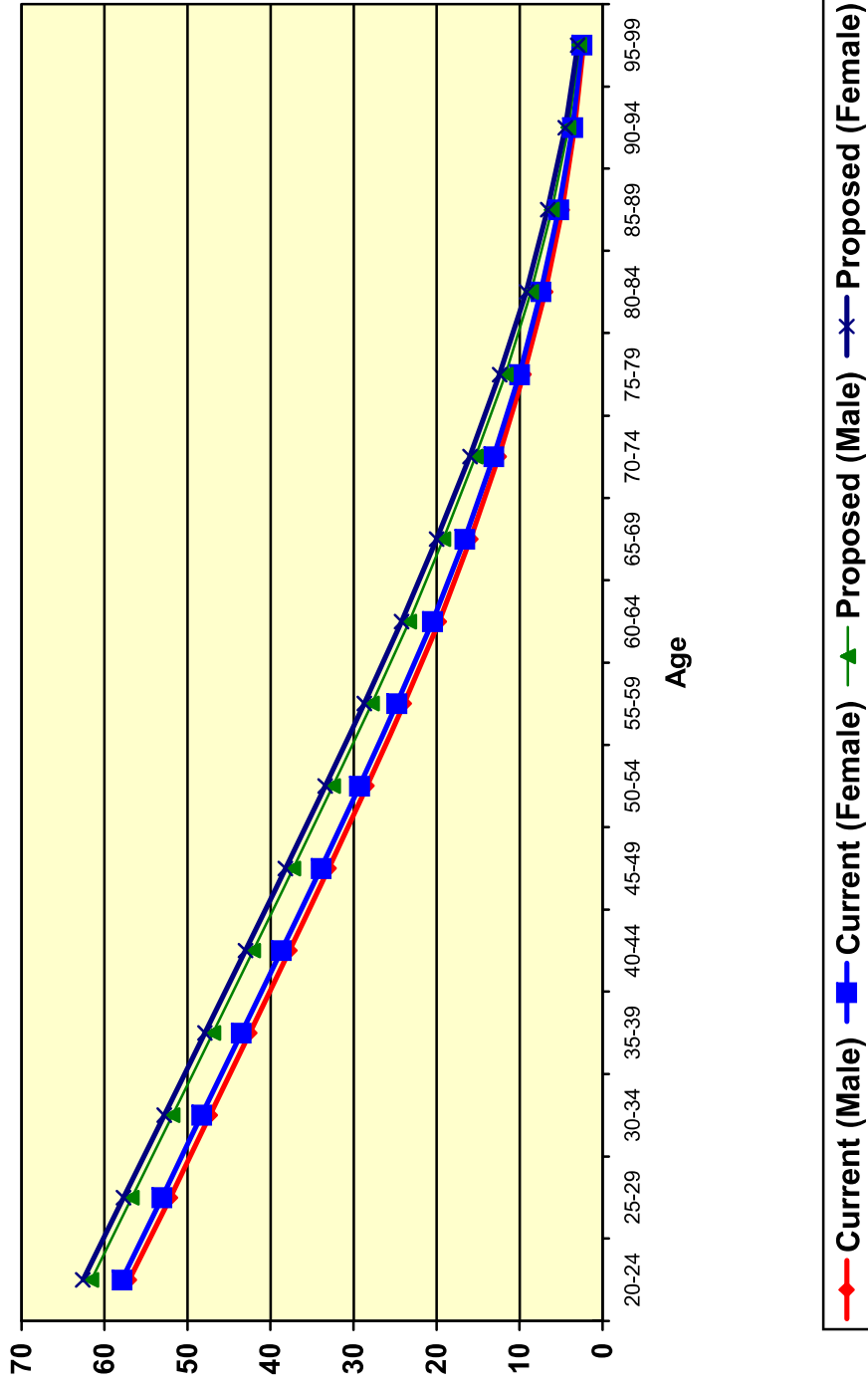
**Chart 8**  
**Post - Retirement Deaths**  
**Disabled Safety Members**



**Chart 9**  
**Life Expectancies**  
**Disabled General Members**



**Chart 10**  
**Life Expectancies**  
**Disabled Safety Members**



**D. TERMINATION RATES**

Termination rates include all terminations for reasons other than death, disability, or retirement. Under the current assumptions, there is a set of separate ordinary withdrawal and vested termination assumption to predict, respectively, those members who are anticipated to withdraw their contributions (ordinary withdrawal) or leave their contributions on deposit and receive a deferred vested benefit (vested termination). The experience over the last three years for General male, General female and Safety members split between those employees with under five years of service and those with five or more years of service is provided below.

Please note that this is also the first triennial experience study to reflect the termination experience after the County benefit improvements effective March 8, 2002.

Rates of Ordinary Withdrawal (General Male)  
(Fewer than Five Years of Service)

<u>Years of Service</u>	<u>Current Rate</u>	<u>Observed Rate</u>	<u>Proposed Rate</u>
0	17.00%	15.84%	16.00%
1	11.00	9.68	10.00
2	7.00	7.56	7.50
3	6.00	5.99	6.00
4	5.00	6.21	5.50

Rates of Ordinary Withdrawal (General Female)  
(Fewer than Five Years of Service)

<u>Years of Service</u>	<u>Current Rate</u>	<u>Observed Rate</u>	<u>Proposed Rate</u>
0	19.00%	13.40%	17.00%
1	12.00	10.44	11.00
2	8.00	8.92	8.00
3	7.00	6.33	7.00
4	6.50	6.18	6.50

Rates of Ordinary Withdrawal (Safety)  
(Fewer than Five Years of Service)

<u>Years of Service</u>	<u>Current Rate</u>	<u>Observed Rate</u>	<u>Proposed Rate</u>
0	12.00%	10.75%	12.00%
1	11.00	11.73	11.00
2	5.00	6.46	6.00
3	4.50	4.99	4.50
4	4.00	3.52	4.00

Rates of Ordinary Withdrawal (General Male)  
(Five or More Years of Service)

<u>Age</u>	<u>Current Rate</u>	<u>Observed Rate</u>	<u>Proposed Rate</u>
20 – 24	1.80%	0.00%	1.00%
25 – 29	1.80	1.43	1.00
30 – 34	1.62	0.85	0.90
35 – 39	1.44	0.26	0.80
40 – 44	1.26	0.16	0.70
45 – 49	0.90	0.13	0.50
50 – 54	0.72	0.00	0.40
55 – 59	0.54	1.23	0.30
60 – 64	0.54	0.00	0.30
65 – 69	0.54	1.85	0.30

Rates of Ordinary Withdrawal (General Female)  
(Five or More Years of Service)

<u>Age</u>	<u>Current Rate</u>	<u>Observed Rate</u>	<u>Proposed Rate</u>
20 – 24	1.80%	0.00%	1.80%
25 – 29	1.80	2.31	1.80
30 – 34	1.35	1.12	1.35
35 – 39	1.08	0.30	0.80
40 – 44	0.72	0.31	0.60
45 – 49	0.54	0.11	0.30
50 – 54	0.54	0.39	0.30
55 – 59	0.54	0.34	0.30
60 – 64	0.54	0.70	0.30
65 – 69	0.54	0.00	0.30

Rates of Ordinary Withdrawal (Safety)  
(Five or More Years of Service)

<u>Age</u>	<u>Current Rate</u>	<u>Observed Rate</u>	<u>Proposed Rate</u>
20 – 24	1.60%	0.00%	0.80%
25 – 29	1.44	0.75	0.72
30 – 34	1.20	0.24	0.60
35 – 39	0.96	0.00	0.72
40 – 44	0.80	0.26	0.60
45 – 49	0.64	0.17	0.48
50 – 54	0.48	0.78	0.36
55 – 59	0.48	1.52	0.36
60 – 64	0.00	0.00	0.00

Please note that consistent with the current assumption, under the proposed assumption we will continue to assume no withdrawal after a member is eligible for service retirement.

Rates of Vested Termination (General Male)  
(Five or More Years of Service)

<u>Age</u>	<u>Current Rate</u>	<u>Observed Rate</u>	<u>Proposed Rate</u>
20 – 24	7.68%	0.00%	8.00%
25 – 29	7.00	5.71	7.00
30 – 34	5.99	5.68	6.00
35 – 39	4.93	3.89	4.50
40 – 44	3.92	2.57	3.00
45 – 49	2.68	2.07	2.50
50 – 54	1.70	2.69	2.00
55 – 59	0.56	5.25	1.00
60 – 64	0.56	2.10	1.00
65 – 69	0.56	12.96	1.00

Rates of Vested Termination (General Female)  
(Five or More Years of Service)

<u>Age</u>	<u>Current Rate</u>	<u>Observed Rate</u>	<u>Proposed Rate</u>
20 – 24	8.89%	0.00%	8.00%
25 – 29	7.78	4.63	7.00
30 – 34	5.56	3.44	5.00
35 – 39	4.44	3.83	4.00
40 – 44	3.33	2.73	3.00
45 – 49	2.22	1.93	2.00
50 – 54	1.11	3.76	2.00
55 – 59	0.56	3.58	1.00
60 – 64	0.56	3.50	1.00
65 – 69	0.56	1.92	1.00

Rates of Vested Termination (Safety)  
(Five or More Years of Service)

<u>Age</u>	<u>Current Rate</u>	<u>Observed Rate</u>	<u>Proposed Rate</u>
20 – 24	3.33%	0.00%	3.33%
25 – 29	2.76	3.37	2.76
30 – 34	2.18	2.26	2.18
35 – 39	1.34	1.93	1.73
40 – 44	1.28	1.12	1.28
45 – 49	1.00	0.34	0.80
50 – 54	0.21	3.13	0.60
55 – 59	0.21	6.06	0.40
60 – 64	0.00	0.00	0.00

Please note that consistent with the current assumption, under the proposed assumption we will continue to assume no vested termination after a member is eligible for service retirement. Also, after considering



the liabilities involved, all terminations among members with less than five years of service have been grouped under ordinary withdrawals, even if such members do not withdraw their contributions.

Chart 11 compares actual to expected terminations (both ordinary withdrawal and vested terminations) over the past three years for both the current and proposed assumptions for General members.

Chart 12 graphs the same information as Chart 11, but for Safety members.

Chart 13 shows the current and proposed ordinary withdrawal rates for General male members with over five years of service.

Chart 14 shows the same information as Chart 13, but for General female members.

Chart 15 shows the same information as Chart 13, but for Safety members.

Chart 16 shows the current and proposed vested termination rates for General male members with five or more years of service.

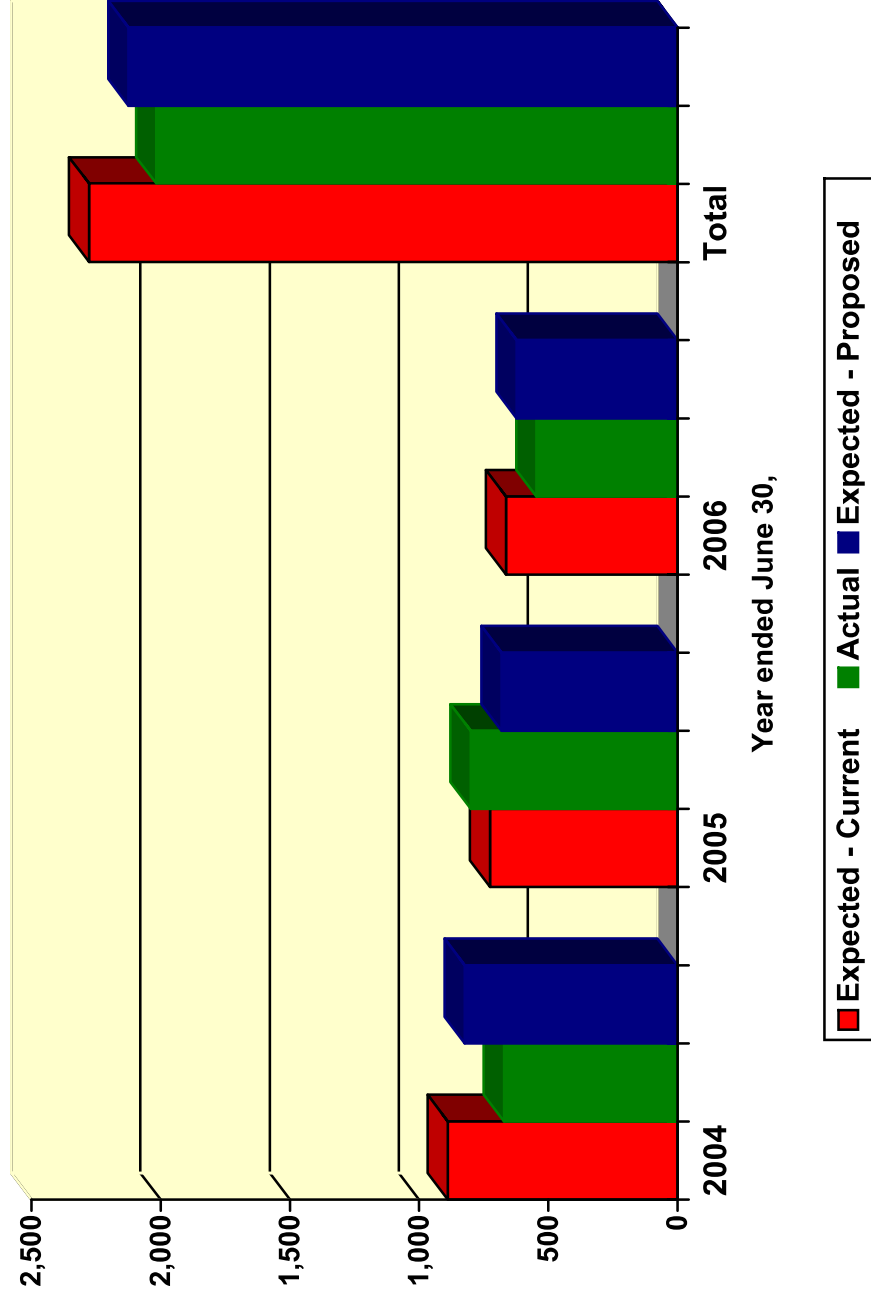
Chart 17 shows the same information as Chart 16, but for General female members.

Chart 18 shows the same information as Chart 16, but for Safety members.

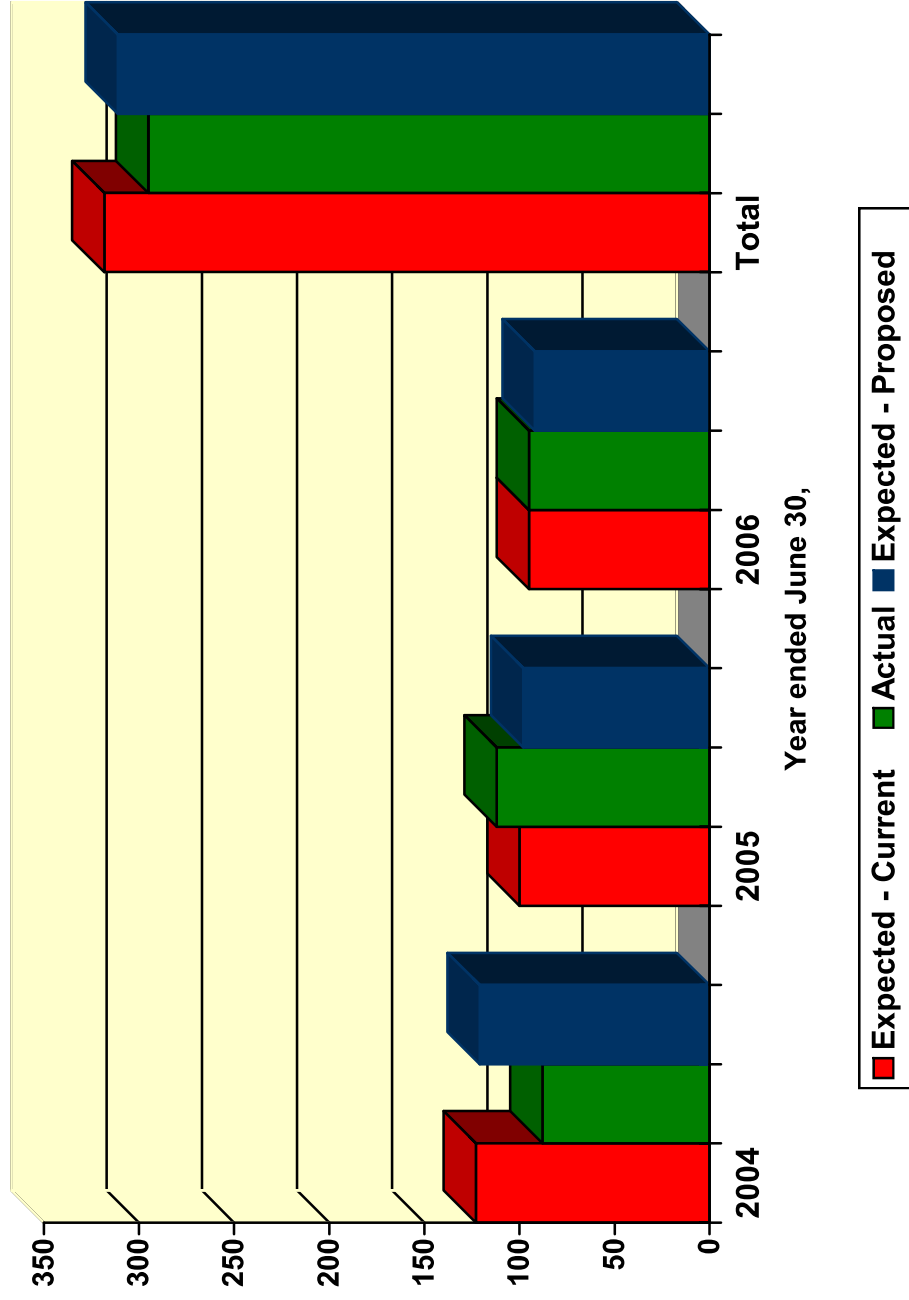
Based upon the recent experience, we have adjusted the turnover rates accordingly. We also continued to assume that all termination rates are zero for members eligible to retire; that is, it is assumed that members eligible to retire at termination will retire rather than defer their benefit.

For General members, the ordinary withdrawal and vested termination rates have been decreased in total. For Safety members, the ordinary withdrawal rates have been slightly decreased while the vested termination rates have been slightly increased.

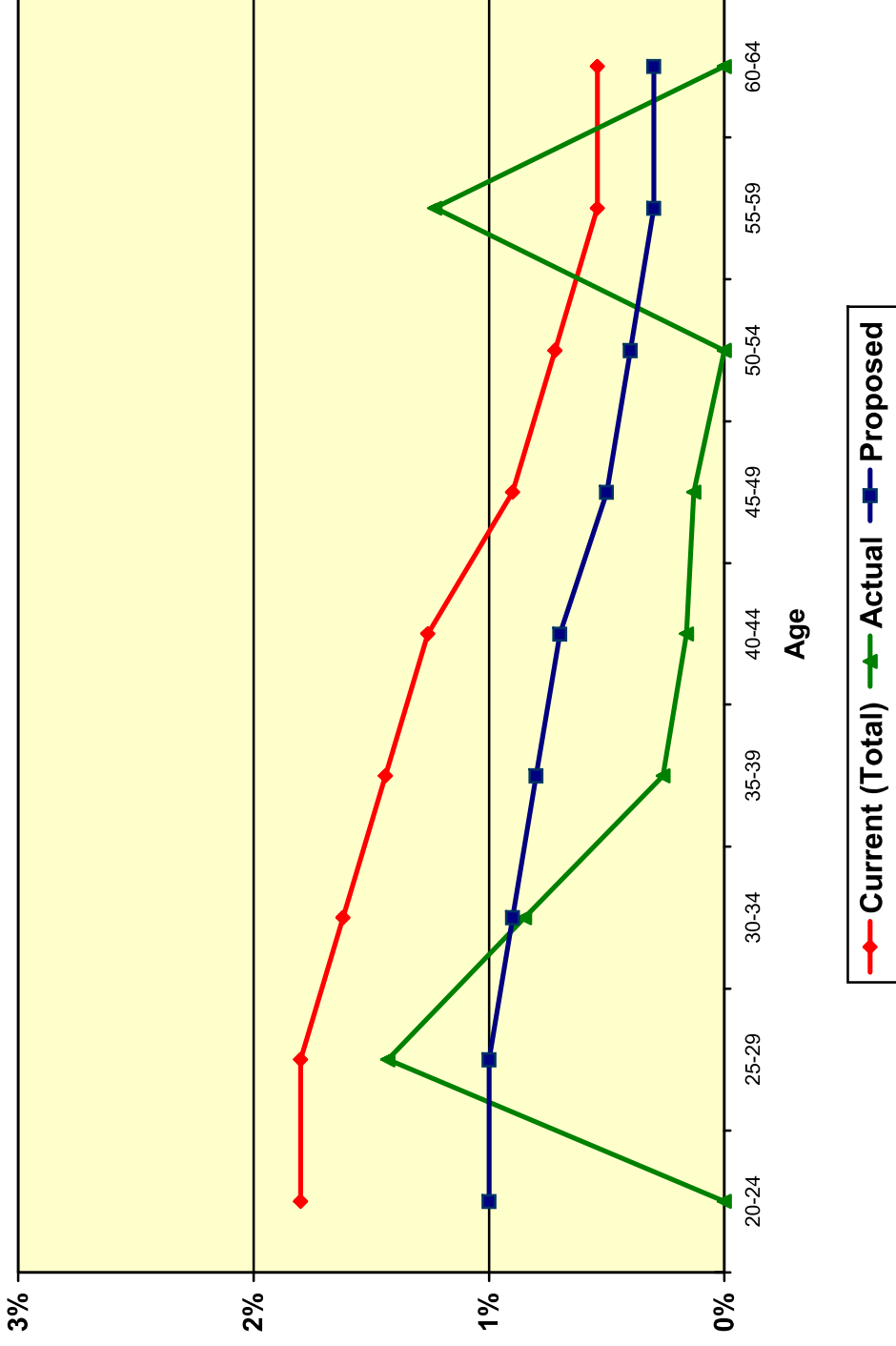
**Chart 11**  
**Actual Number of Terminations Compared**  
**to Expected (General Members)**



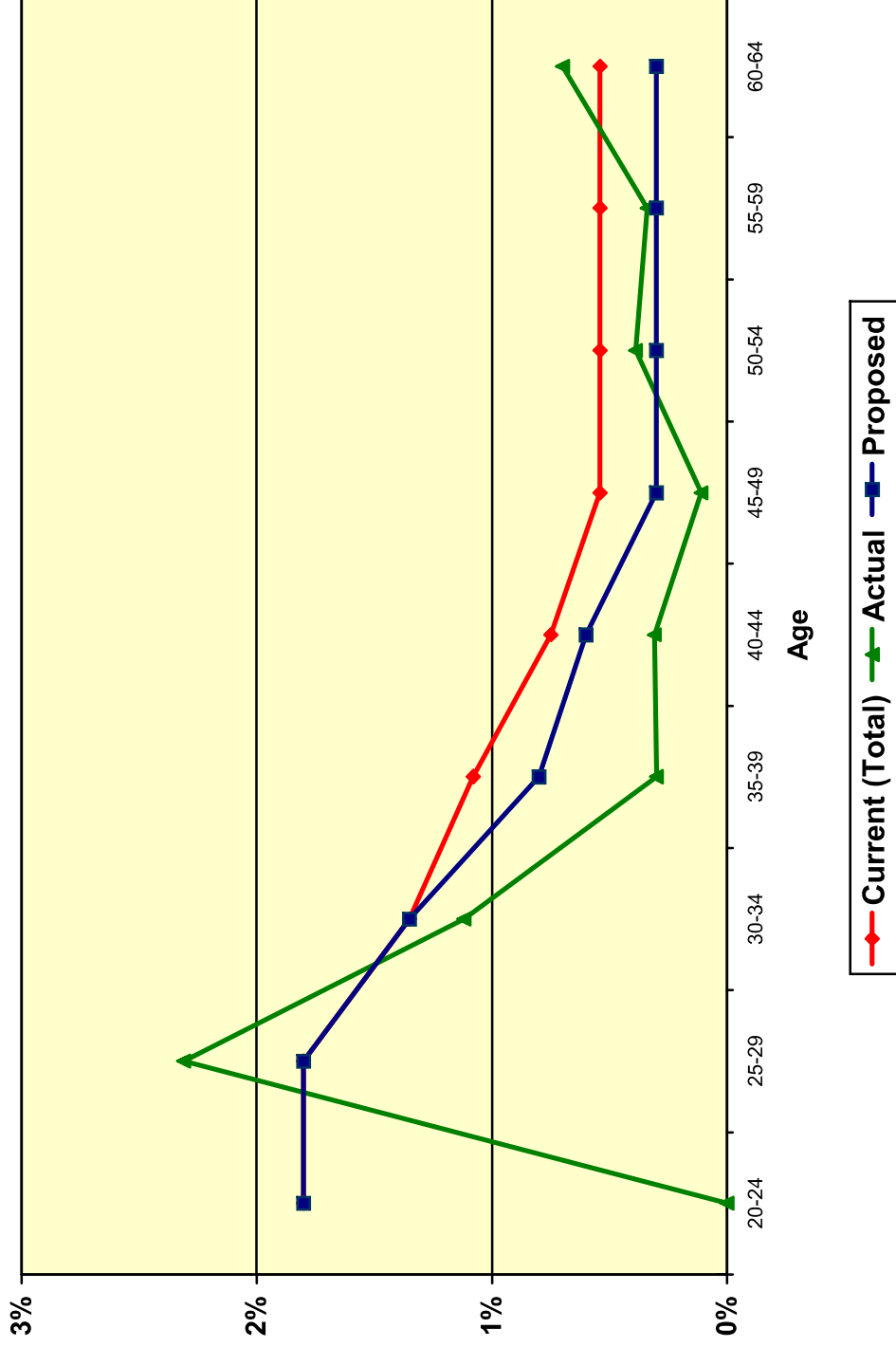
**Chart 12**  
**Actual Number of Terminations Compared**  
**to Expected (Safety members)**



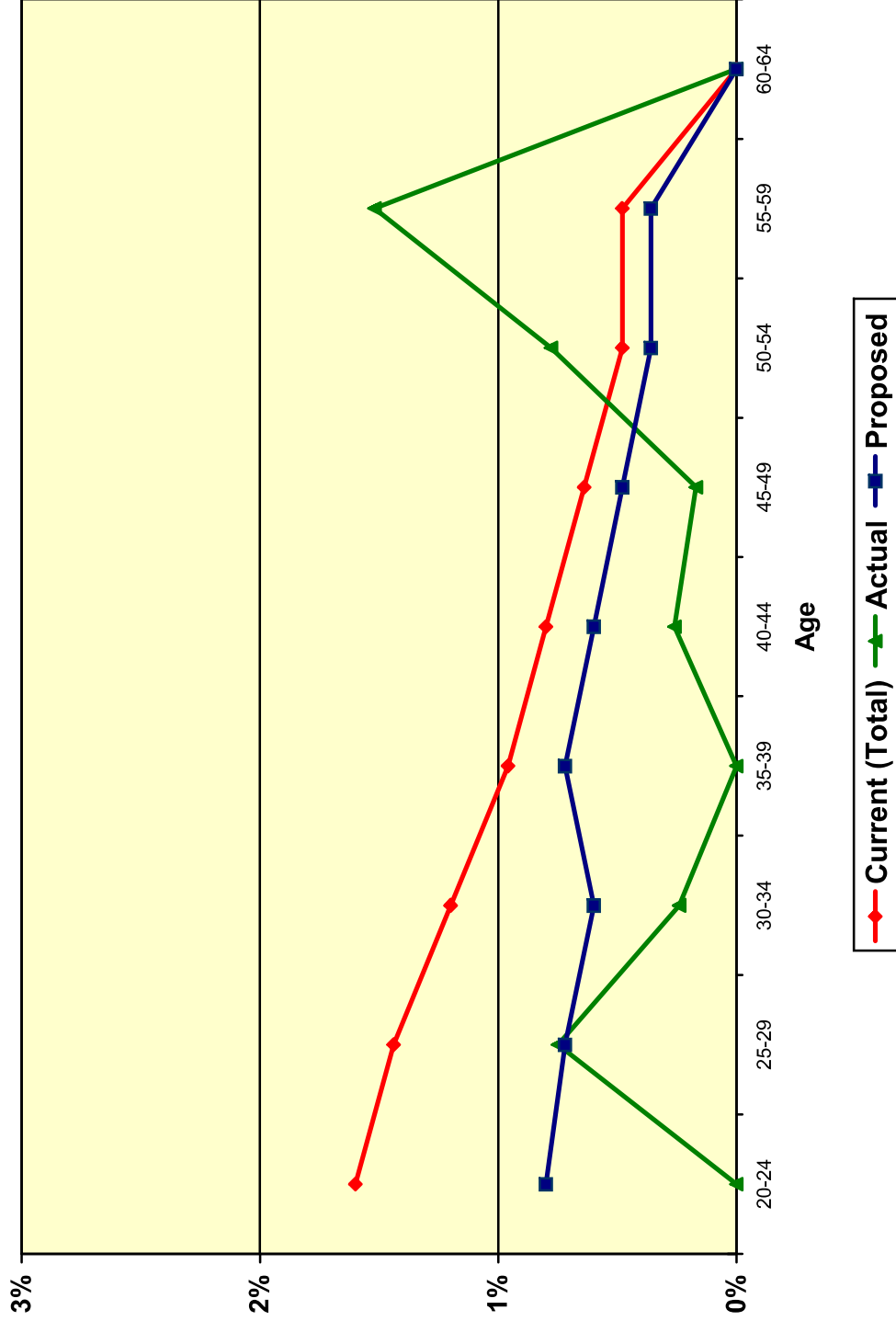
**Chart 13**  
**Ordinary Withdrawal Rates - General Male Members (Over 5 Years of Service)**



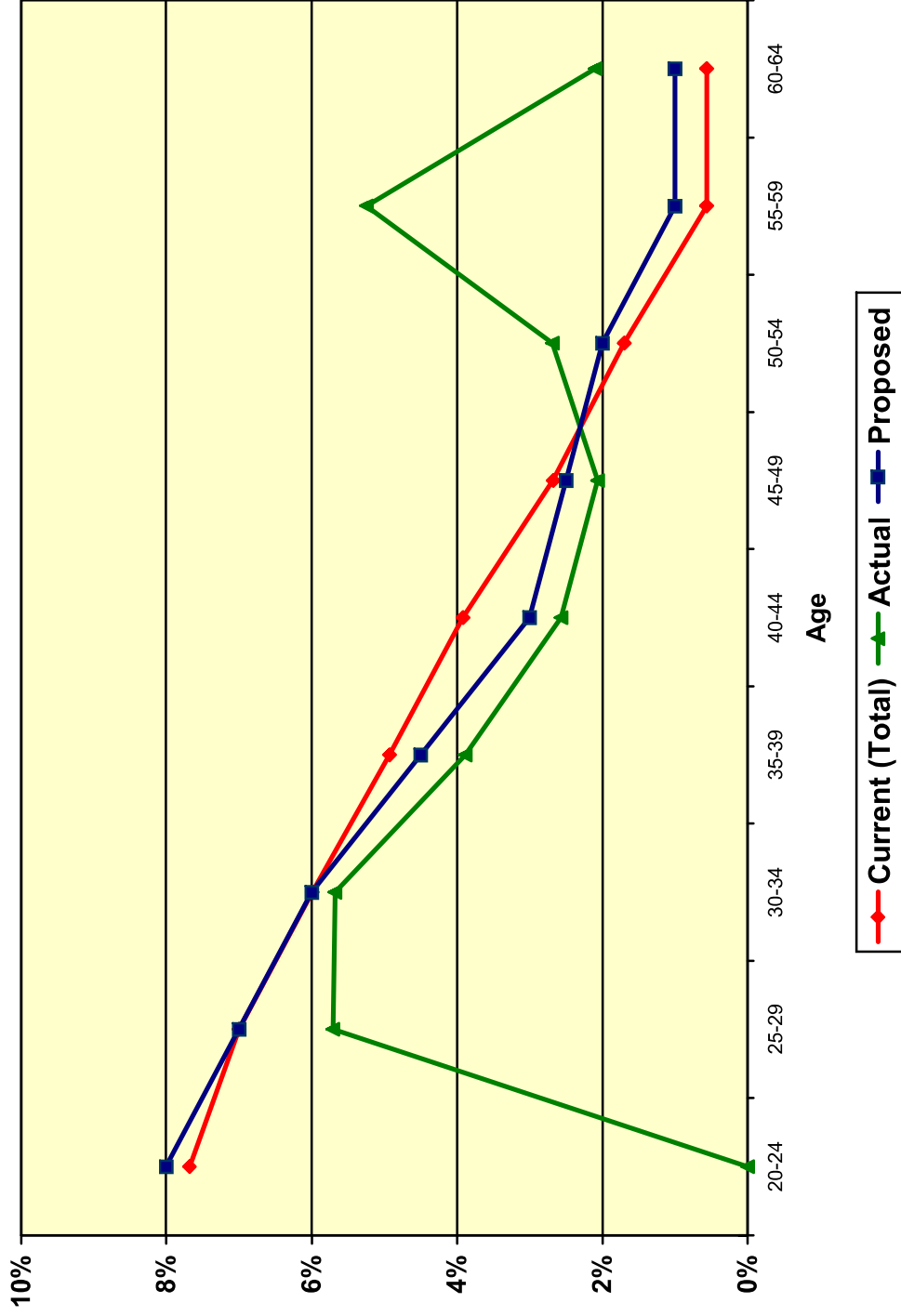
**Chart 14**  
**Ordinary Withdrawal Rates - General Female Active**  
**Members (Over 5 Years of Service)**



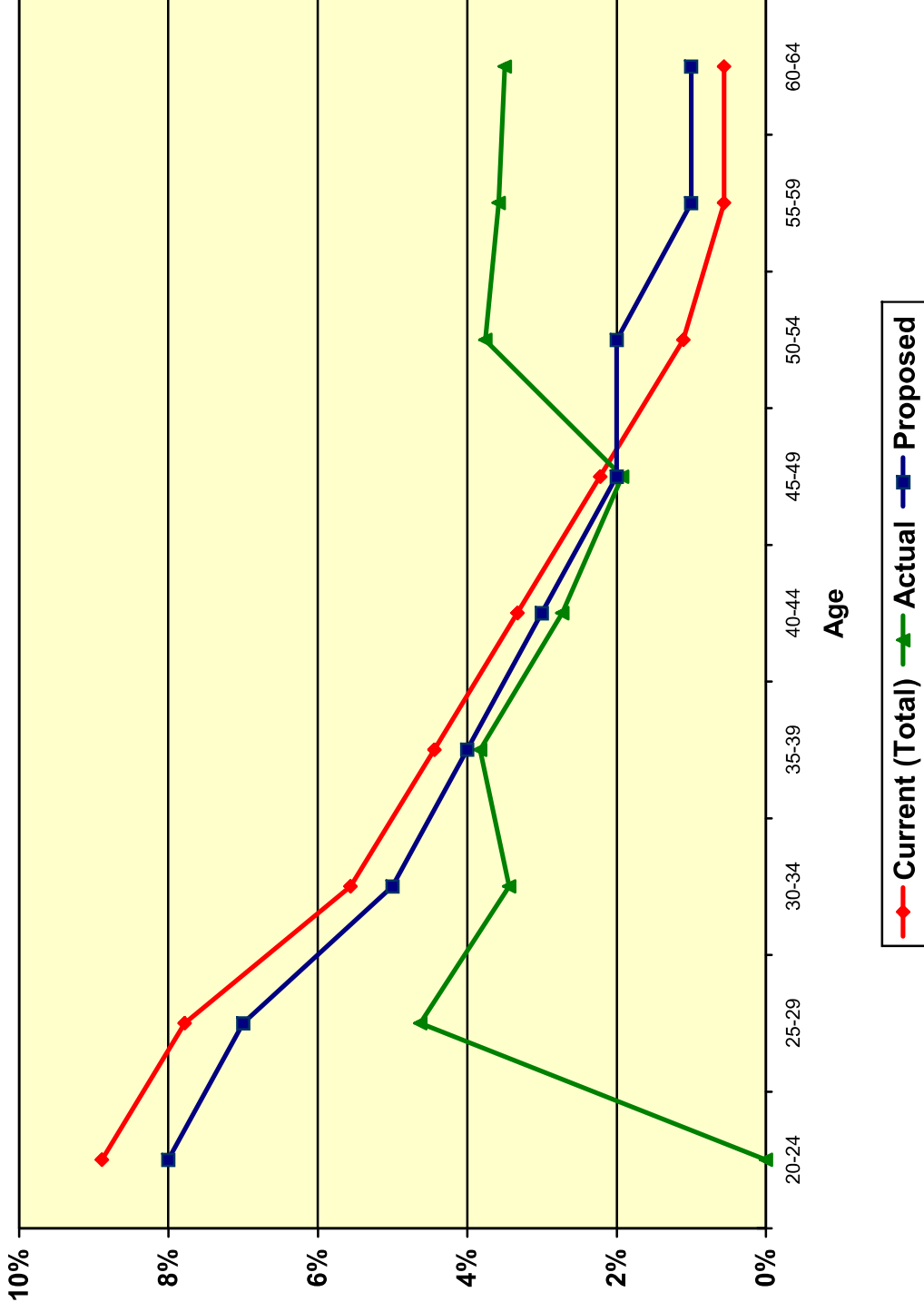
**Chart 15**  
**Ordinary Withdrawal Rates - Safety Members**  
**(Over 5 Years of Service)**



**Chart 16**  
**Vested Termination Rates - General Male Members**

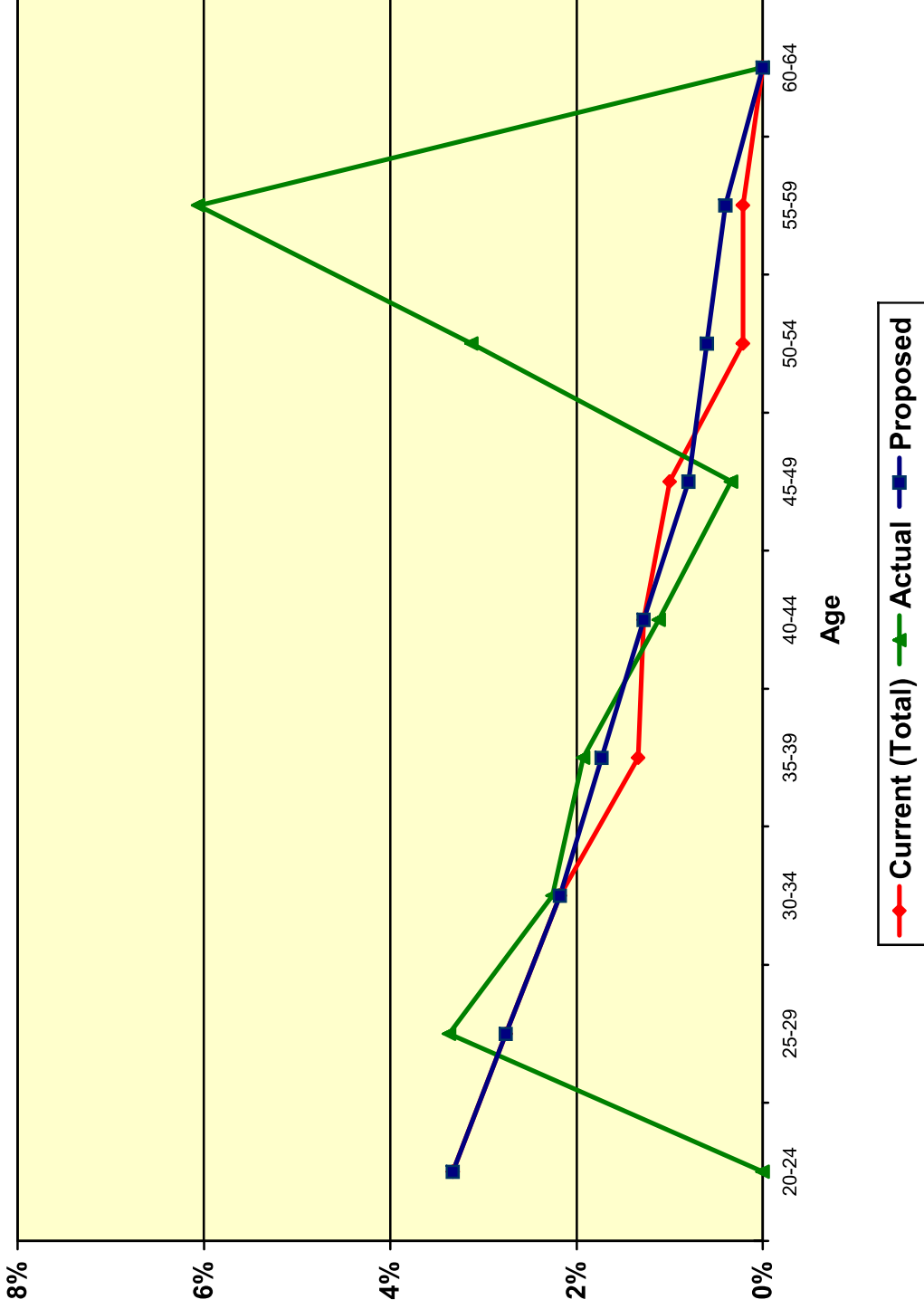


**Chart 17**  
**Vested Termination Rates - General Female Members**





**Chart 18**  
**Vested Termination Rates - Safety Members**



**E. DISABILITY INCIDENCE RATES**

When a member becomes disabled, he or she may be entitled to a pension that depends upon the member's years of service (non-service connected disability), or the greater of that benefit or a 50% pension (service connected disability). The following summarizes the actual experience over the past three years compared to the current and proposed assumptions for both non-service connected and service-connected disability incidence:

Rates of Non-Service Connected Disability Incidence (General Male)

<u>Age</u>	<u>Current Rate</u>	<u>Observed Rate</u>	<u>Proposed Rate</u>
20 – 24	0.01%	0.00%	0.00%
25 – 29	0.01	0.00	0.00
30 – 34	0.01	0.00	0.01
35 – 39	0.04	0.13	0.02
40 – 44	0.10	0.00	0.04
45 – 49	0.15	0.06	0.08
50 – 54	0.23	0.05	0.12
55 – 59	0.33	0.18	0.20
60 – 64	0.33	0.15	0.25
65 – 69	0.00	0.00	0.00

Rates of Non-Service Connected Disability Incidence (General Female)

<u>Age</u>	<u>Current Rate</u>	<u>Observed Rate</u>	<u>Proposed Rate</u>
20 – 24	0.00%	0.00%	0.00%
25 – 29	0.00	0.00	0.00
30 – 34	0.01	0.00	0.01
35 – 39	0.10	0.00	0.05
40 – 44	0.20	0.06	0.10
45 – 49	0.24	0.13	0.15
50 – 54	0.26	0.18	0.20
55 – 59	0.30	0.18	0.25
60 – 64	0.40	0.17	0.30
65 – 69	0.00	0.33	0.00

Rates of Non-Service Connected Disability Incidence (Safety)

<u>Age</u>	<u>Current Rate</u>	<u>Observed Rate</u>	<u>Proposed Rate</u>
20 – 24	0.00%	0.00%	0.00%
25 – 29	0.03	0.00	0.00
30 – 34	0.06	0.00	0.06
35 – 39	0.10	0.06	0.06
40 – 44	0.14	0.00	0.06
45 – 49	0.16	0.09	0.10
50 – 54	0.17	0.00	0.10
55 – 59	0.18	0.00	0.10
60 – 64	0.20	0.00	0.10

Rates of Service-Connected Disability Incidence (General Male)

<u>Age</u>	<u>Current Rate</u>	<u>Observed Rate</u>	<u>Proposed Rate</u>
20 – 24	0.01%	0.00%	0.01%
25 – 29	0.01	0.00	0.01
30 – 34	0.02	0.00	0.02
35 – 39	0.06	0.14	0.06
40 – 44	0.14	0.16	0.14
45 – 49	0.23	0.18	0.23
50 – 54	0.34	0.25	0.34
55 – 59	0.49	0.20	0.40
60 – 64	0.31	0.59	0.45
65 – 69	0.00	0.46	0.00

Rates of Service-Connected Disability Incidence (General Female)

<u>Age</u>	<u>Current Rate</u>	<u>Observed Rate</u>	<u>Proposed Rate</u>
20 – 24	0.00%	0.00%	0.00%
25 – 29	0.02	0.04	0.02
30 – 34	0.10	0.06	0.06
35 – 39	0.12	0.09	0.10
40 – 44	0.14	0.27	0.20
45 – 49	0.18	0.26	0.25
50 – 54	0.22	0.36	0.30
55 – 59	0.28	0.31	0.35
60 – 64	0.30	0.60	0.40
65 – 69	0.00	1.36	0.00

Rates of Service-Connected Disability Incidence (Safety)

<u>Age</u>	<u>Current Rate</u>	<u>Observed Rate</u>	<u>Proposed Rate</u>
20 – 24	0.02%	0.00%	0.05%
25 – 29	0.05	0.09	0.10
30 – 34	0.30	0.32	0.30
35 – 39	0.60	0.53	0.60
40 – 44	0.80	0.80	0.80
45 – 49	1.00	0.38	1.00
50 – 54	1.60	2.33	1.80
55 – 59	2.00	4.33	2.60
60 – 64	2.00	4.48	3.00

Chart 19 compares the actual number of non-service connected disabilities over the past three years to that expected under both the current and proposed assumptions. The current non-service disability rates were reduced to reflect the past three years experience.

Chart 20 shows actual non-service connected disablement rates, compared to the assumed and proposed rates for General male members.

Chart 21 graphs the same information as Chart 20, but for General female members.

Chart 22 graphs the same information as Chart 20, but for Safety members.

Chart 23 compares the actual number of service connected disabilities over the past three years to that expected under both the current and proposed assumptions. The duty disability rates were increased to reflect the past three years experience.

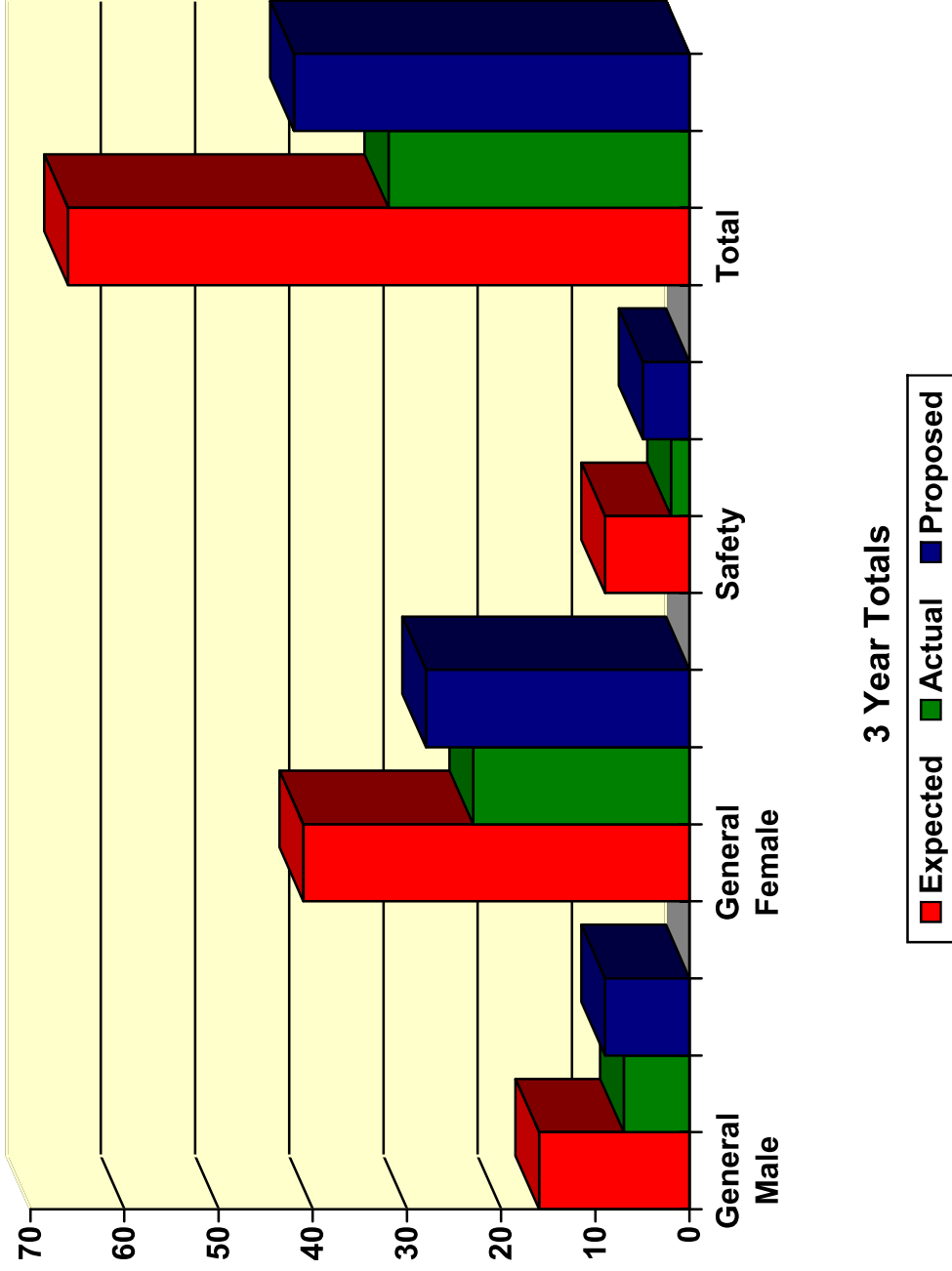
Chart 24 shows actual service connected disablement rates, compared to the assumed and proposed rates for General male members.

Chart 25 graphs the same information as Chart 24, but for General female members.

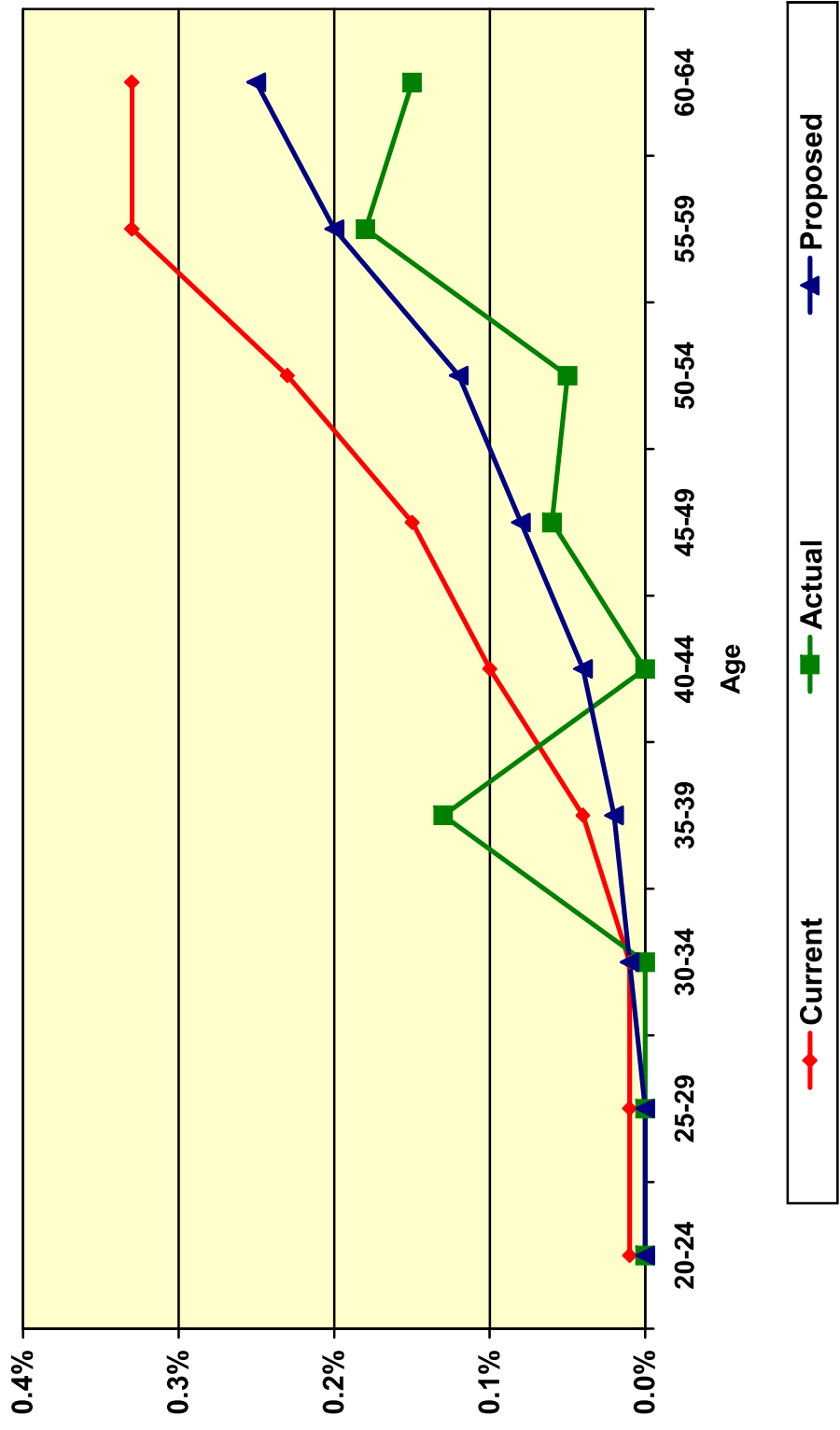
Chart 26 graphs the same information as Chart 24, but for Safety members.

Overall, the current and proposed assumptions predict about the same number of total ordinary and duty disabilities for General females. The proposed assumptions predict a higher number of total ordinary and duty disabilities for Safety but a lower number for General males.

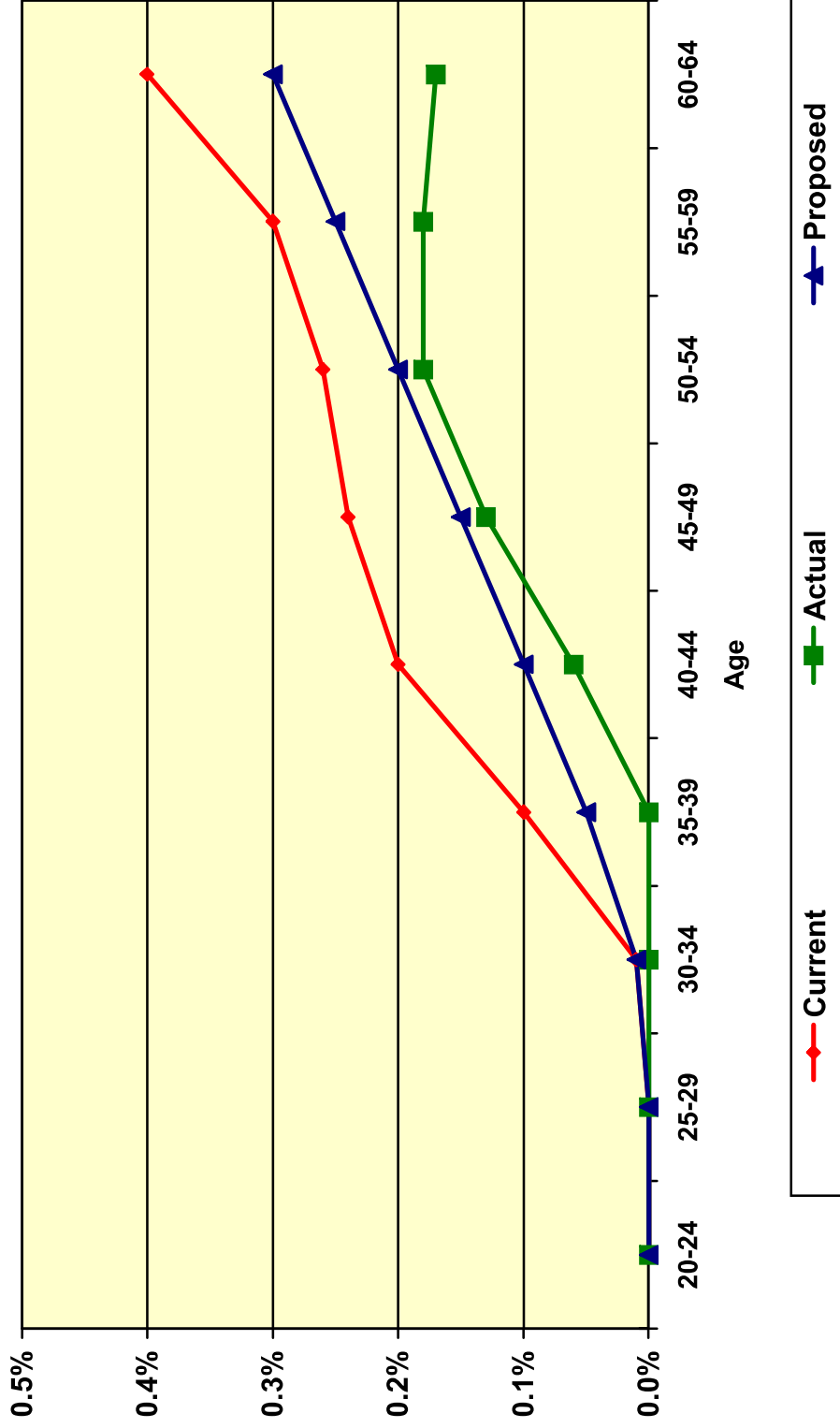
**Chart 19**  
**Actual Number of Non-Service Connected Disabilities Compared to Expected**



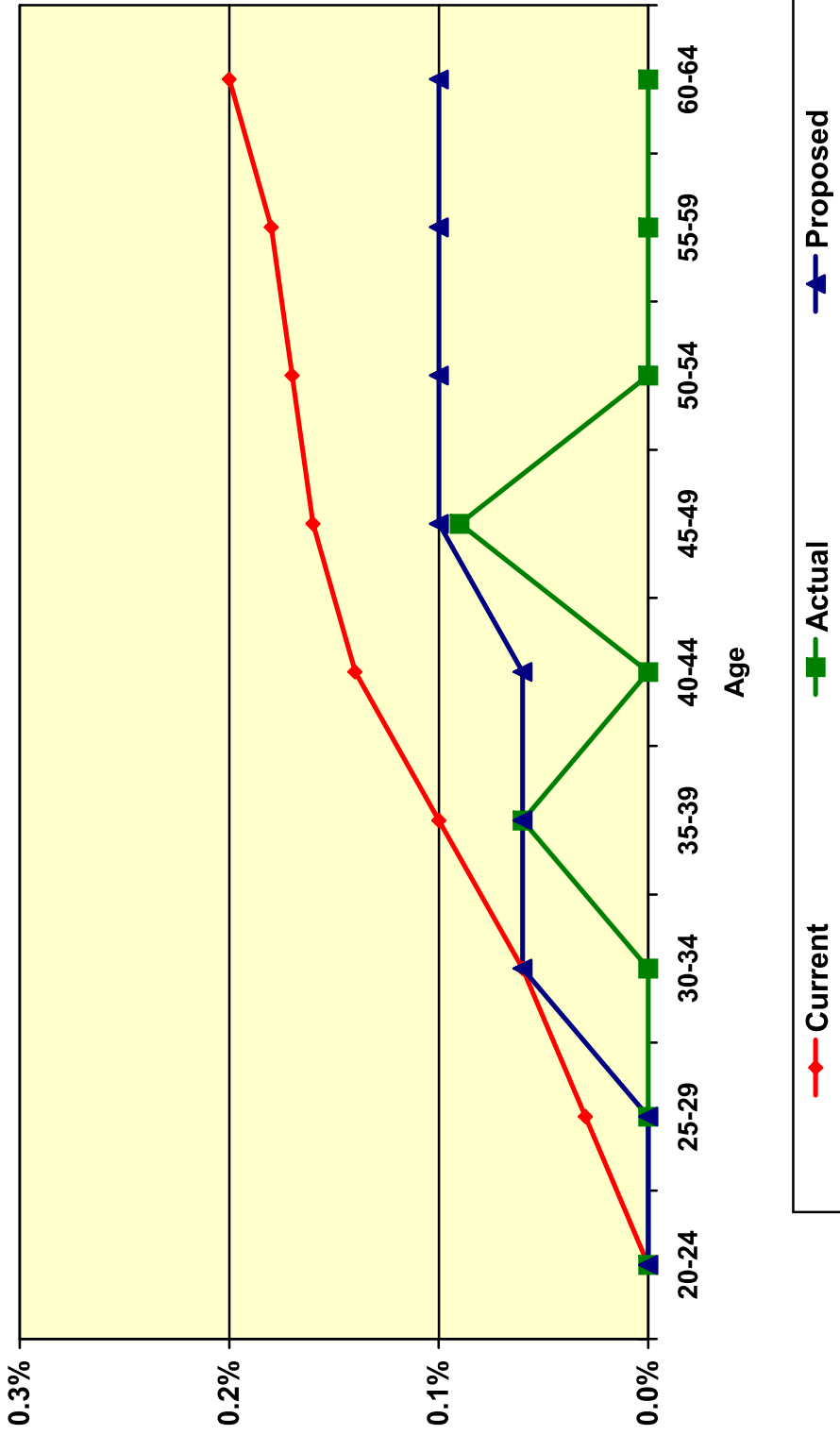
**Chart 20**  
**Non-Service Connected Disablement Rates**  
**for General Males**



**Chart 21**  
**Non-Service Connected Disablement Rates**  
**for General Females**

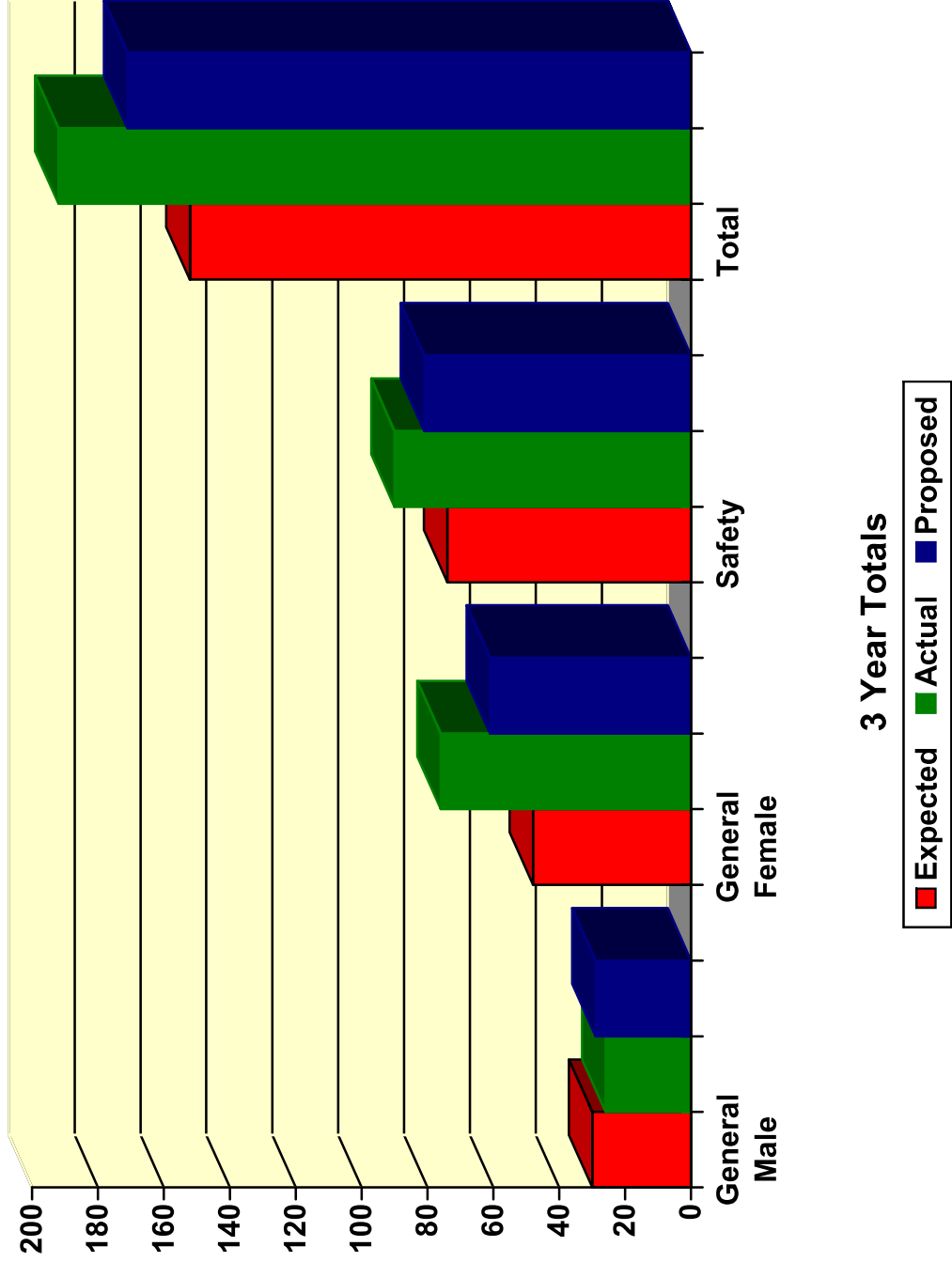


**Chart 22**  
**Non-Service Connected Disablement Rates**  
**for Safety Members**

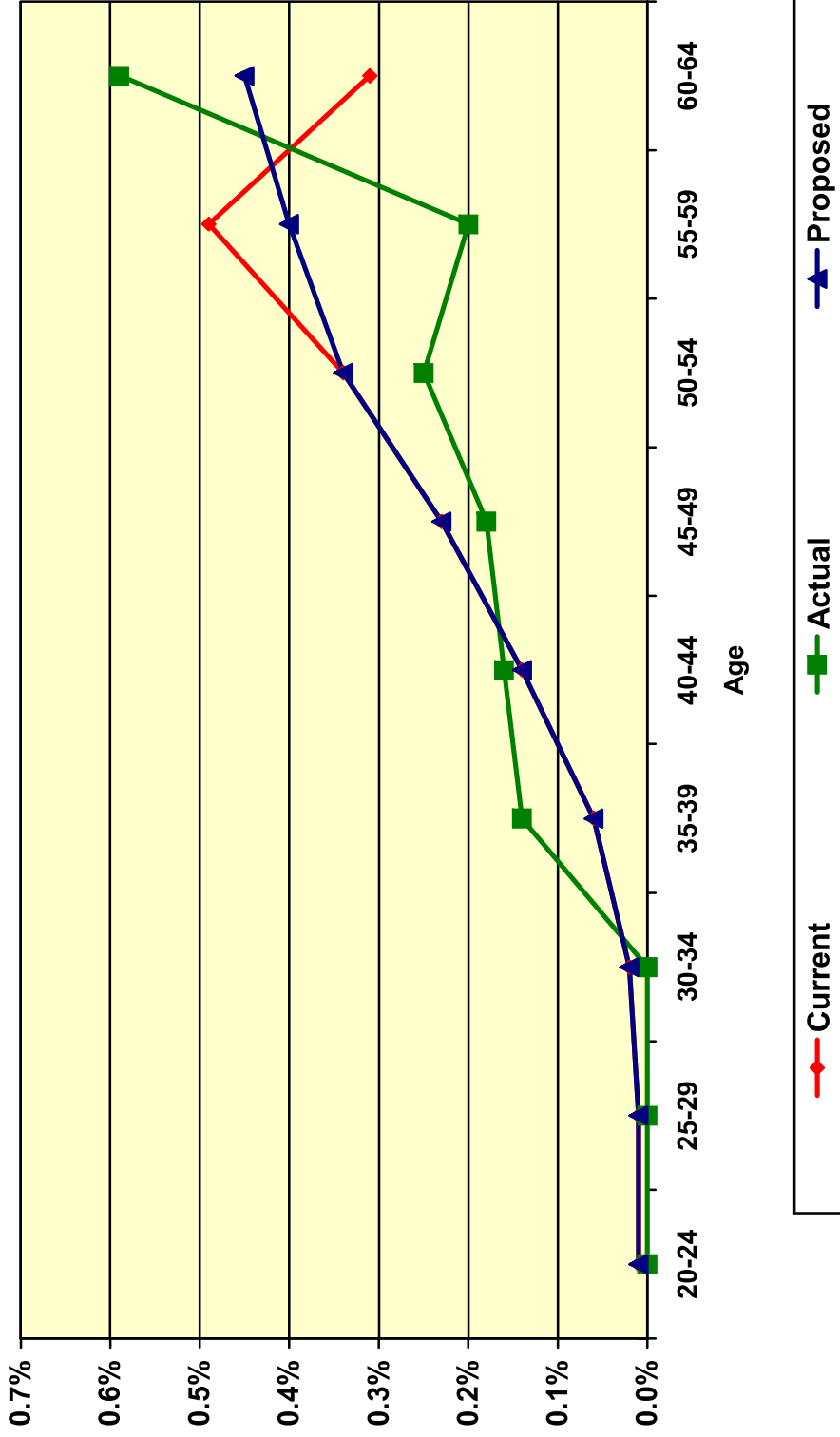




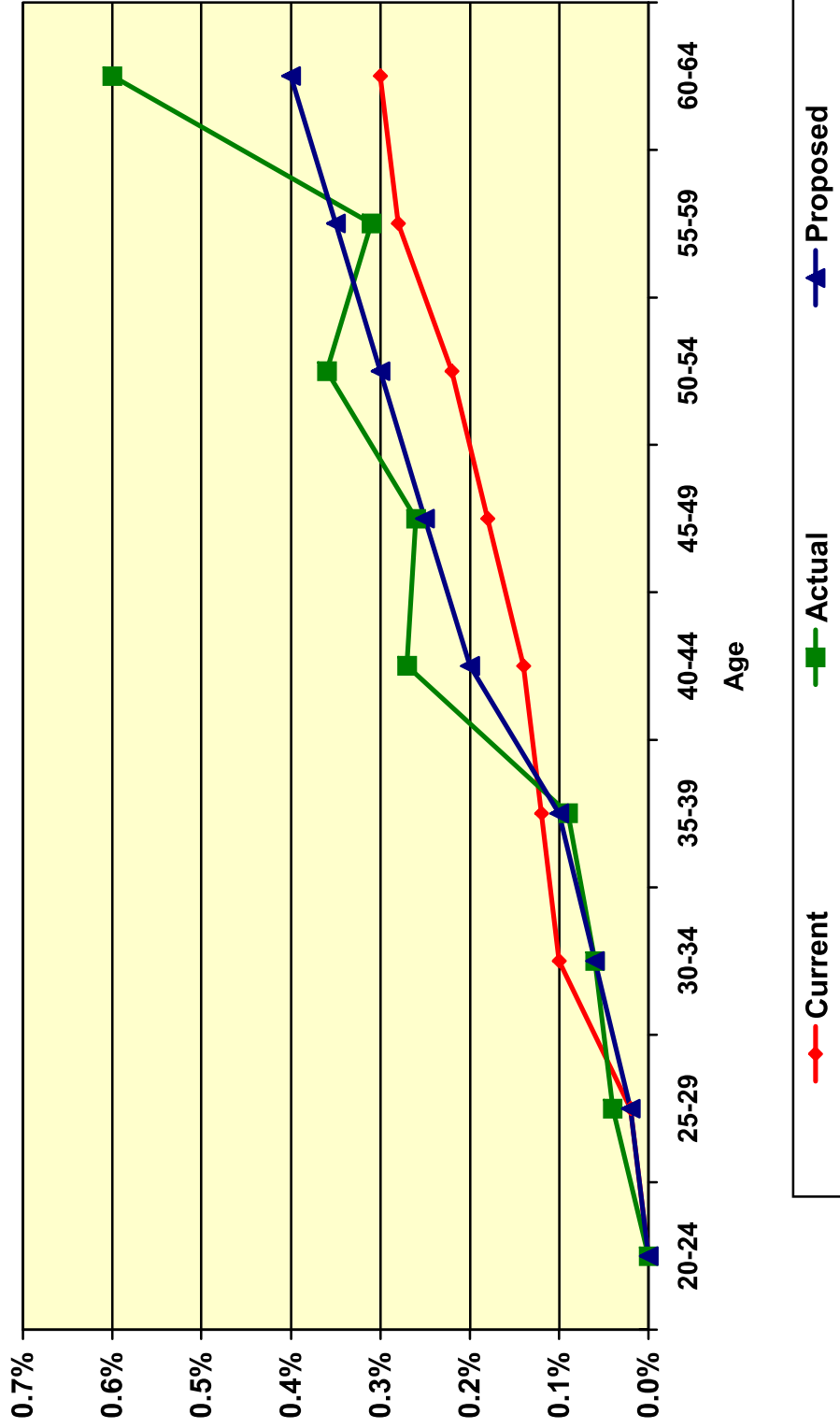
**Chart 23**  
**Actual Number of Service Connected Disabilities**  
**Compared to Expected**



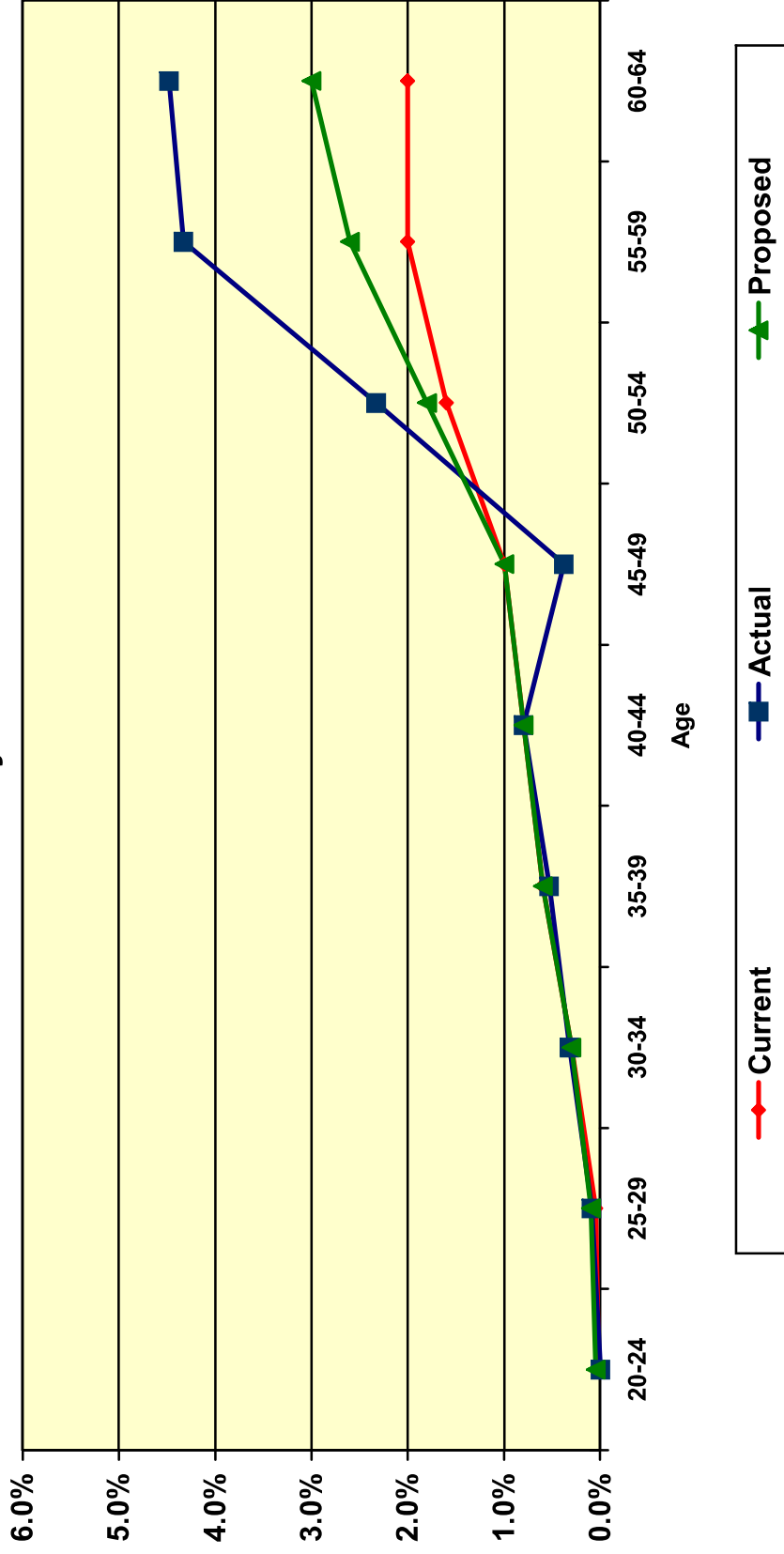
**Chart 24**  
**Service Connected Disablement Rates**  
**for General Males**



**Chart 25**  
**Service Connected Disablement Rates**  
**for General Females**



**Chart 26**  
**Service Connected Disablement Rates**  
**for Safety Members**



## **F. MERIT AND LONGEVITY SALARY INCREASES**

The Association's retirement benefits are determined in large part by a member's compensation just prior to retirement. For that reason it is important to anticipate salary increases that employees will receive over their careers. These salary increases are made up of three components:

- Inflationary increases;
- Real "across the board" increases; and
- Merit and longevity increases.

In the June 30, 2006 valuation, the inflationary increases are assumed to follow the general annual inflation assumption of 3.75% and the annual "across the board" pay increase assumptions of 0.5%. Therefore, the total annual inflation and real "across the board" increase of 4.25% is used as the assumed annual rate of payroll growth at which payments toward the UAAL are assumed to increase.

The annual merit and longevity increases are determined by measuring the actual increases received by members over the experience period, net of the inflationary and real "across the board" pay increases. Increases are measured separately for General and Safety members. This is accomplished by:

- Measuring each member's actual salary increase over each year of the experience period;
- Categorizing these increases into service groups;
- Removing the inflation component from these increases (equal to the increase in the members' average salary during the year);
- Averaging these annual increases over the three year experience period; and
- Modifying current assumptions to reflect some portion of these measured increases reflective of their "credibility."

Based on our analysis, we are recommending relatively small adjustments in the merit and longevity assumptions for both General and Safety members who have less than 5 years of service.

The following table shows the average annual increases over the three-year experience period (July 1, 2003 to June 30, 2006) before removing the inflationary component:

<u>Service Group</u>	<u>General Members</u>	<u>Safety Members</u>
0-1	12.25%	16.34%
1-2	10.42%	10.50%
2-3	9.14%	9.89%
3-4	7.88%	9.31%
4-5	6.86%	8.75%
5+	5.21%	5.31%

The increase in average salary over this three-year period was 4.68% for General members and 4.34% for Safety members. The following table shows the average annual merit and longevity increases for the three-year period after removing the average wage increase of 4.68% and 4.34% for General and Safety, respectively:

<u>Service Group</u>	<u>General Members</u>	<u>Safety Members</u>
0-1	7.25%	11.49%
1-2	5.51%	5.91%
2-3	4.28%	5.32%
3-4	3.07%	4.77%
4-5	2.10%	4.23%
5+	0.52%	0.94%

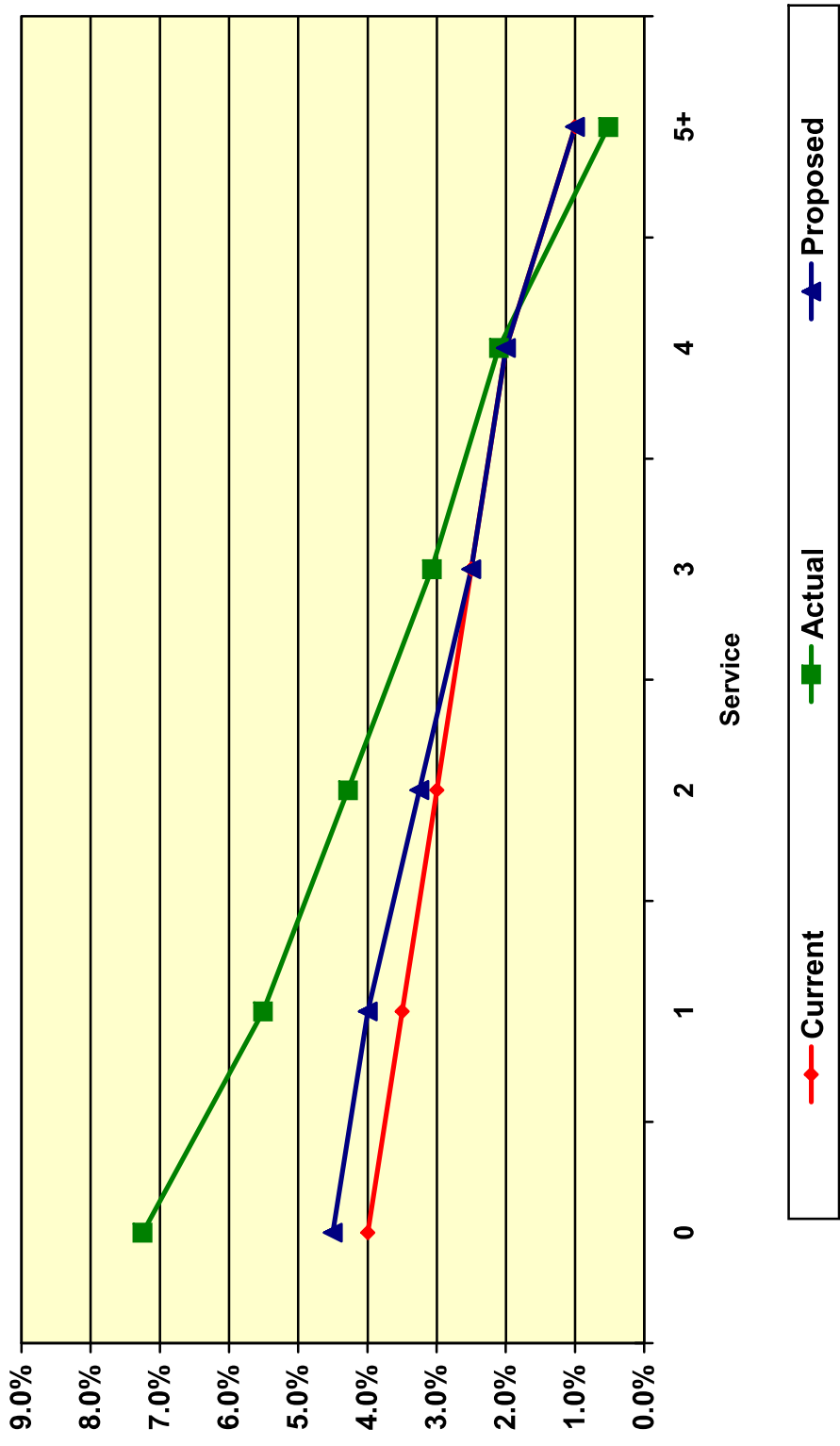
We also observed that if the average annual merit and longevity increases are calculated only over the last two years, the average for each service group is higher by about 0.5%.

The following table shows the current and recommended annual merit and longevity assumptions based on this recent experience:

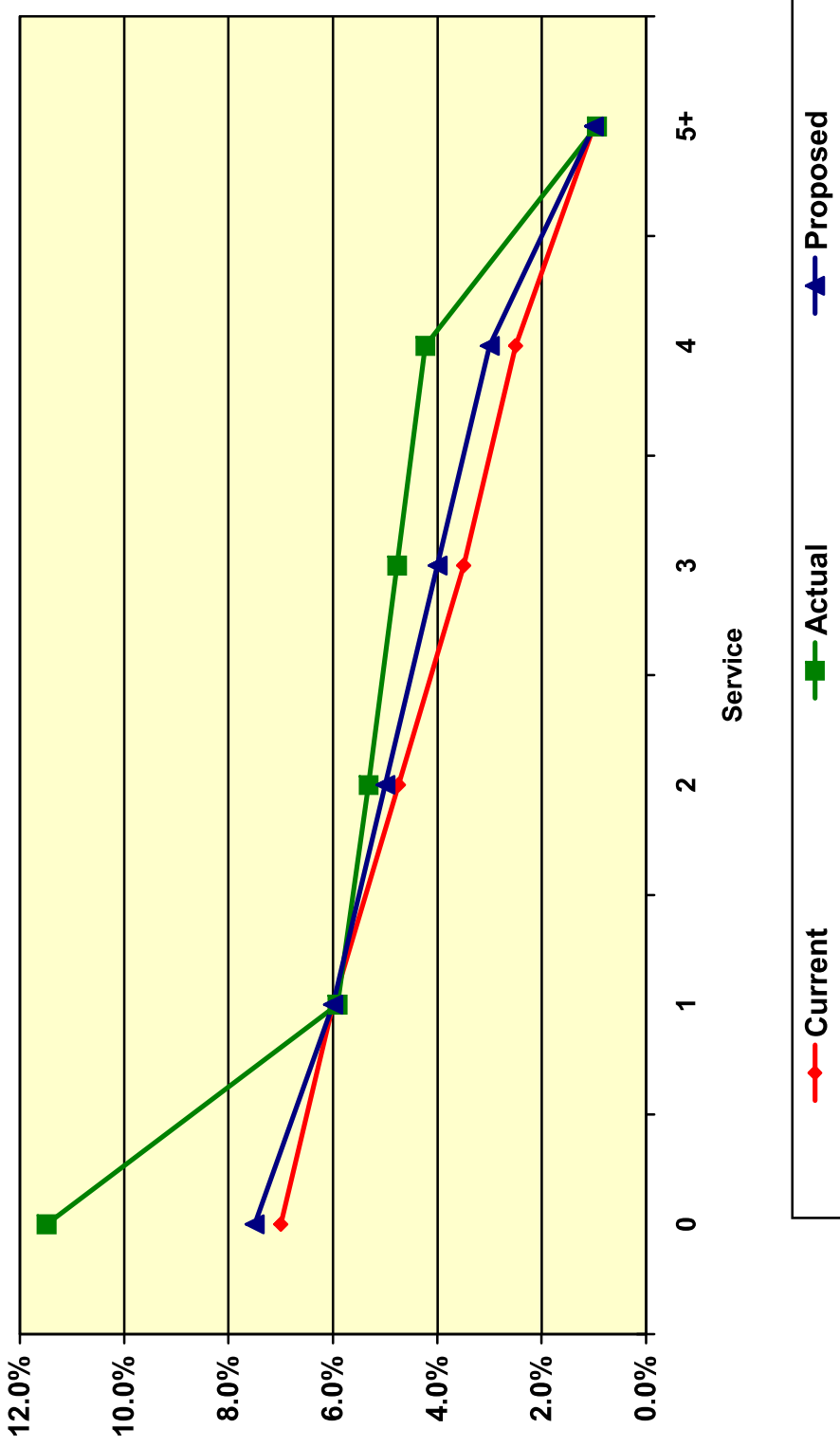
<u>Service Group</u>	<u>General Members</u>		<u>Safety Members</u>	
	<u>Current</u>	<u>Recommended</u>	<u>Current</u>	<u>Recommended</u>
0-1	4.00%	4.50%	7.00%	7.50%
1-2	3.50%	4.00%	6.00%	6.00%
2-3	3.00%	3.25%	4.75%	5.00%
3-4	2.50%	2.50%	3.50%	4.00%
4-5	2.00%	2.00%	2.50%	3.00%
5+	1.00%	1.00%	1.00%	1.00%

Charts 27 and 28 provide a graphical comparison of the current, actual experience and recommended merit and longevity increases.

**Chart 27**  
**Merit and Longevity Salary Increase Rates**  
**for General Members**



**Chart 28**  
**Merit and Longevity Salary Increase Rates**  
**for Safety Members**





## APPENDIX A

### CURRENT ACTUARIAL ASSUMPTIONS

#### Post-Retirement Mortality Rates

**Healthy Retirement:** 1994 Group Annuity Mortality Table.

**Disabled Retirement:** For General – 1994 Group Annuity Mortality Table set forward seven years. For Safety – same as Healthy Retirement.

#### Employee Contribution Rates:

General – 1994 Group Annuity Mortality Table for Females set forward two years.

Safety – 1994 Group Annuity Mortality Table for Males set back one year.

#### Termination Rates Before Retirement:

**Mortality Rates:** 1994 Group Annuity Mortality Table.

For General members, out of the total probability of mortality before retirement, 100% is assumed to be ordinary death and death while eligible for service retirement or disability retirement.

For Safety members, 100% is assumed to be service connected death.

The following are sample rates (%).

Mortality Rates		
General and Safety		
Age	Male	Female
30	0.08	0.04
35	0.09	0.05
40	0.11	0.07
45	0.16	0.10
50	0.26	0.14
55	0.44	0.23
60	0.80	0.44

**Disability Rates:**

Age	Rate (%)					
	Non Service Connected Disability			Service Connected Disability		
	General		Safety	General		Safety
	Male	Female		Males	Female	
20	0.01	0.00	0.00	0.01	0.00	0.01
25	0.01	0.00	0.02	0.01	0.01	0.04
30	0.01	0.01	0.05	0.02	0.07	0.20
35	0.03	0.06	0.08	0.04	0.11	0.48
40	0.08	0.16	0.12	0.11	0.13	0.72
45	0.13	0.22	0.15	0.19	0.16	0.92
50	0.20	0.25	0.17	0.30	0.20	1.36
55	0.29	0.28	0.18	0.43	0.26	1.84
60	0.33	0.36	0.19	0.38	0.29	2.00

**Withdrawal Rates:**

Years of Service	Rate (%)		
	Ordinary Withdrawals (< 5 Years of Service)		
	General		
	Male	Female	Safety
0	17.00	19.00	12.00
1	11.00	12.00	11.00
2	7.00	8.00	5.00
3	6.00	7.00	4.50
4	5.00	6.50	4.00

Age	Rate (%)		
	Ordinary Withdrawal (5+ Years of Service) *		
	General		
	Male	Female	Safety
20	1.80	1.80	1.66
25	1.80	1.80	1.50
30	1.69	1.53	1.30
35	1.51	1.19	1.06
40	1.33	0.86	0.86
45	1.04	0.61	0.70
50	0.79	0.54	0.54
55	0.61	0.54	0.48
60	0.54	0.54	0.19

\* No withdrawal is assumed after a member is eligible for retirement.

Age	Rate (%)		
	Vested Termination (5+ Years of Service) *		
	General-Male	General-Female	Safety
20	7.95	9.33	3.56
25	7.27	8.22	2.99
30	6.39	6.44	2.41
35	5.36	4.89	1.67
40	4.33	3.78	1.30
45	3.18	2.67	1.11
50	2.09	1.56	0.53
55	1.01	0.78	0.21
60	0.56	0.56	0.08

\*No vested termination is assumed after a member is eligible for retirement.

**Retirement Rates:**

Age	Rate (%)	
	Retirement Probability	
	General	Safety
48	-	4.0
49	-	4.0
50	6.0	15.0
51	3.0	15.0
52	5.0	15.0
53	6.0	15.0
54	6.0	15.0
55	12.0	25.0
56	13.0	30.0
57	15.0	30.0
58	17.0	35.0
59	20.0	35.0
60	20.0	45.0
61	25.0	45.0
62	25.0	50.0
63	25.0	50.0
64	25.0	50.0
65	30.0	100.0
66	30.0	100.0
67	30.0	100.0
68	30.0	100.0
69	40.0	100.0
70	100.0	100.0

**Retirement Age and Benefit for Deferred Vested Members:**

Reciprocal and Non-Reciprocal Members

General: Age 58; Safety: Age 53

35% of General and 40% of Safety deferred vested members are assumed to be reciprocal. For reciprocals, we assume 5.25% compensation increases per annum.

**Future Benefit Accruals:**

1.0 year of service per year.

**Percent Married:**

80% of male members; 65% of female members.

**Age of Spouse:**

Females (or male) spouses are 3 years younger (older) than their spouses

**Net Investment Return:**

8.25%; net of administration and investment expenses.

**Employee Contribution Crediting Rate:**

½ of the net investment return credited semi-annually.

**Consumer Price Index:**

Increase of 3.75% per year; benefit increases due to CPI subject to 3.0% maximum.

**Salary Scale:**

Annual Rate of Compensation Increase

Inflation: 3.75% per year; plus “Across the Board” salary increases of 0.50% per year; plus Merit and Longevity as follows:

Years of Service	General	Safety
0	4.00%	7.00%
1	3.50	6.00
2	3.00	4.75
3	2.50	3.50
4	2.00	2.50
5+	1.00	1.00

## APPENDIX B

### PROPOSED ACTUARIAL ASSUMPTIONS

#### Post-Retirement Mortality Rates

**Healthy:** For General members, 1994 Group Annuity Mortality Table.  
For Safety members, 1994 Group annuity Mortality Table set back one year.

**Disabled:** For General members, 1994 Group Annuity Mortality Table set forward seven years. For Safety members, 1994 Group Annuity Mortality Table set back one year.

**Employee Contribution Rates:** For General members, 1994 Group Annuity Mortality Table for males weighted 30% and 1994 Group Annuity Mortality Table for females weighted 70%.  
For Safety members, 1994 Group Annuity Mortality Table for males set back one year weighted 75% and 1994 Group Annuity Mortality Table for females set back one year weighted 25%.

**Termination Rates Before Retirement:**

**Mortality Rates:**

Rate (%)				
Mortality				
Age	General		Safety	
	Male	Female	Male	Female
25	0.07	0.03	0.06	0.03
30	0.08	0.04	0.08	0.03
35	0.09	0.05	0.08	0.04
40	0.11	0.07	0.10	0.07
45	0.16	0.10	0.15	0.09
50	0.26	0.14	0.23	0.13
55	0.44	0.23	0.40	0.21
60	0.80	0.44	0.71	0.39
65	1.45	0.86	1.29	0.76

For General members, all pre-retirement deaths are assumed to be non-service connected. For Safety members, all pre-retirement deaths are assumed to be service connected.

**Disability Rates:**

Age	Rate (%)					
	Non Service Connected Disability			Service Connected Disability		
	General		Safety	General		Safety
	Male	Female		Males	Female	
20	0.00	0.00	0.00	0.01	0.00	0.03
25	0.00	0.00	0.00	0.01	0.01	0.08
30	0.01	0.01	0.04	0.02	0.04	0.22
35	0.02	0.03	0.06	0.04	0.08	0.48
40	0.03	0.08	0.06	0.11	0.16	0.72
45	0.06	0.13	0.08	0.19	0.23	0.92
50	0.10	0.18	0.10	0.30	0.28	1.48
55	0.17	0.23	0.10	0.38	0.33	2.28
60	0.23	0.28	0.10	0.43	0.38	2.84



**Withdrawal Rates:**

Years of Service	Rate (%)		
	Ordinary Withdrawals (< 5 Years of Service)		
	General-Male	General-Female	Safety
0	16.00	17.00	12.00
1	10.00	11.00	11.00
2	7.50	8.00	6.00
3	6.00	7.00	4.50
4	5.50	6.50	4.00

Age	Rate (%)		
	Ordinary Withdrawal (5+ Years of Service) *		
	General-Male	General-Female	Safety
20	1.00	1.80	0.83
25	1.00	1.80	0.75
30	0.94	1.53	0.65
35	0.84	1.02	0.67
40	0.74	0.68	0.65
45	0.58	0.42	0.53
50	0.44	0.30	0.41
55	0.34	0.30	0.36
60	0.30	0.30	0.14

\* No withdrawal is assumed after a member is eligible for retirement.

Age	Rate (%)		
	Vested Termination (5+ Years of Service) *		
	General-Male	General-Female	Safety
20	8.40	8.40	3.56
25	7.40	7.40	2.99
30	6.40	5.80	2.41
35	5.10	4.40	1.91
40	3.60	3.40	1.46
45	2.70	2.40	0.99
50	2.20	2.00	0.68
55	1.40	1.40	0.48
60	1.00	1.00	0.16

\* No vested termination is assumed after a member is eligible for retirement.

**Retirement Rates:**

Rate (%)

Age	Retirement Probability	
	General	Safety
48	-	4.0
49	-	4.0
50	8.0	15.0
51	5.0	15.0
52	5.0	15.0
53	6.0	15.0
54	8.0	15.0
55	12.0	20.0
56	13.0	25.0
57	15.0	30.0
58	17.0	35.0
59	20.0	35.0
60	20.0	45.0
61	25.0	45.0
62	27.0	45.0
63	29.0	45.0
64	30.0	45.0
65	30.0	100.0
66	30.0	100.0
67	30.0	100.0
68	40.0	100.0
69	40.0	100.0
70	100.0	100.0

**Retirement Age and Benefit for  
Deferred Vested Members:**

Reciprocal and Non-Reciprocal Members:

General: Age 57  
Safety: Age 53

35% of General and 40% of Safety future deferred vested members are assumed to be reciprocal. For reciprocals, we assume 5.25% compensation increases per annum.

**Future Benefit Accruals:** 1.0 year of service per year.

**Percent Married:** 80% of male members; 55% of female members.

**Age of Spouse:** Females (or male) spouses are 3 years younger (older) than their spouses

**Net Investment Return:** 8.25%, net of administration and investment expenses.

**Employee Contribution Crediting Rate:** ½ of the net investment return credited semi-annually.

**Consumer Price Index:** Increase of 3.75% per year; benefit increases due to CPI subject to 3.0% maximum.

**Salary Scale:**

Annual Rate of Compensation Increase

Inflation: 3.75% per year; plus “Across the Board” salary increases of 0.50% per year; plus Merit and Longevity as follows:

Years of Service	General	Safety
0	4.50%	7.50%
1	4.00	6.00
2	3.25	5.00
3	2.50	4.00
4	2.00	3.00
5+	1.00	1.00

**San Diego County Employees  
Retirement Association**

*Actuarial Valuation and Review  
as of June 30, 2006*

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October 26, 2006

*Board of Retirement*  
*San Diego County Employees Retirement Association*  
*2275 Rio Bonito Way, Suite 200*  
*San Diego, CA 92108-1685*

*Dear Board Members:*

*We are pleased to submit this Actuarial Valuation and Review as of June 30, 2006. It summarizes the actuarial data used in the valuation, establishes the funding requirements for fiscal 2007-2008 and analyzes the preceding year's experience.*

*The census information on which our calculations were based was prepared by SDCERA and the financial information was provided by the Retirement Association. That assistance is gratefully acknowledged. The actuarial calculations were completed under the supervision of Andy Yeung, ASA, MAAA, Enrolled Actuary.*

*This actuarial valuation has been completed in accordance with generally accepted actuarial principles and practices. To the best of our knowledge, the information supplied in this actuarial valuation is complete and accurate. Further, in our opinion, the assumptions as approved by the Board of Retirement are reasonably related to the experience of and the expectations for the Plan.*

*We look forward to reviewing this report at your next meeting and to answering any questions.*

*Sincerely,*

*THE SEGAL COMPANY*

By: *Paul Angelo*  
*Paul Angelo, FSA, EA, MAAA, FCA*  
*Senior Vice President and Actuary*

By: *Andy Yeung*  
*Andy Yeung, ASA, EA, MAAA*  
*Associate Actuary*

SUV/gxk:hy

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## SECTION 1: Valuation Summary for the San Diego County Employees Retirement Association

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### **Purpose**

This report has been prepared by The Segal Company to present a valuation of the San Diego County Employees Retirement Association as of June 30, 2006. The valuation was performed to determine whether the assets and contributions are sufficient to provide the prescribed benefits. The contribution requirements presented in this report are based on:

- The benefit provisions of the Retirement Association, as administered by the Board of Retirement;
- The characteristics of covered active members, inactive vested members, retired members and beneficiaries as of June 30, 2006, provided by the Retirement Association;
- The assets of the Plan as of June 30, 2006, provided by the Retirement Association;
- Economic assumptions regarding future salary increases and investment earnings; and
- Other actuarial assumptions, regarding employee terminations, retirement, death, etc.

San Diego County Employees Retirement Association's basic financial goal is to establish contributions that fully fund the Association's liabilities, and that, as a percentage of payroll, remain as level as possible for each generation of active members. Annual actuarial valuations measure the progress toward this goal, as well as test the adequacy of the contribution rates.

In preparing this valuation, we have employed generally accepted actuarial methods and assumptions to evaluate the Association's assets, liabilities and future contribution requirements. Our calculations are based upon member data and financial information provided to us by the Association's staff. This information has not been audited by us, but it has been reviewed and found to be reasonably consistent, both internally and with prior year's information.

The contribution requirements are determined as a percentage of payroll. The Association's employer rates provide for both normal cost and a contribution to amortize any unfunded or overfunded actuarial accrued liabilities. Effective with the June 30, 2004 valuation, we have modified our calculations to reflect the Board's new funding policy to amortize the Association's unfunded actuarial accrued liability as 20-year fixed (i.e., decreasing) layered amortization periods.

The rates calculated in this report may be adopted by the Board for the fiscal year that extends from July 1, 2007 through June 30, 2008.

## SECTION 1: Valuation Summary for the San Diego County Employees Retirement Association

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### Significant Issues in This Valuation

The following key findings were the result of this actuarial valuation:

- The ratio of the valuation value of assets to actuarial accrued liabilities increased from 80.3% to 83.6%. The Association's unfunded actuarial accrued liability has decreased from \$1,378.4 million as of June 30, 2005 to \$1,232.3 million as of June 30, 2006. A complete reconciliation of the Association's unfunded actuarial accrued liability is provided in Section 3, Exhibit H.
- The average employer rate calculated in this valuation has decreased from 24.63% of payroll to 23.28% of payroll. This decrease was a result of favorable actuarial experience primarily due to higher than expected returns on the valuation value of assets after "smoothing", including the \$115 million in excess earnings transferred by the Board to the valuation reserves. A complete reconciliation of the Association's aggregate employer rate is provided in Section 2, Subsection D (see Chart 15).
- Even though we are not recommending any changes in the individual member rates, the average member rate calculated in this valuation has increased from 10.19% of payroll to 10.23% of payroll. This increase in the average member rate is primarily due to the change in the aggregate demographic profile of the employee group. A complete reconciliation of the Association's average member rate is provided in Section 2, Subsection D (see Chart 16).
- In this valuation, as directed by the Board we have reduced the inflation assumption from 4.00% to 3.75% and we have increased the annual across the board salary increase assumption from 0.25% to 0.50%. Because the combined inflation and across the board salary assumption is the same as that assumed in the last valuation, there are no changes in the member and employer rates as a result of these changes in assumptions.
- As indicated in Section 2, Subsection B (see Chart 7) of this report, the total unrecognized investment gain as of June 30, 2006 was \$722,800,104 (versus an unrecognized gain of \$411,217,145 in the June 30, 2005 valuation). This investment gain will be recognized in the determination of the actuarial value of assets for funding purposes in the next few years, to the extent it is not offset by recognition of investment losses derived from future experience. This implies that earning the assumed rate of investment return of 8.25% per year (net of expenses) on a **market value** basis will result in investment gains on the actuarial value of assets in the next few years. Therefore, if the actual market return is equal to the assumed 8.25% rate and all other actuarial assumptions are met, the contribution requirements would decrease in each of the next few years if the unrecognized investment gains are used by the Board to increase the return of the valuation value of assets.



**SECTION 1: Valuation Summary for the San Diego County Employees Retirement Association**

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Impact of Future Experience on Contribution Rates

Future contribution requirements may differ from those determined in the valuation because of:

- difference between actual experience and anticipated experience;
- changes in actuarial assumptions or methods;
- changes in statutory provisions; and
- difference between the contribution rates determined by the valuation and those adopted by the Board.

**SECTION 1: Valuation Summary for the San Diego County Employees Retirement Association**

**Summary of Key Valuation Results (Dollar amounts in thousands)**

	June 30, 2006		June 30, 2005	
<b>Employer Contribution Rates:<sup>(1)</sup></b>				
General Combined	Total Rate	Estimated Annual Amount <sup>(2)</sup>	Total Rate	Estimated Annual Amount <sup>(2)</sup>
Safety	21.49%	\$165,509	22.99%	\$177,063
All Categories combined	29.87%	62,489	30.68%	64,184
	23.28%	227,998	24.63%	241,247
<b>Average Member Contribution Rates:<sup>(1)</sup></b>				
General Tier I	Total Rate	Estimated Annual Amount <sup>(2)</sup>	Total Rate	Estimated Annual Amount <sup>(2)</sup>
General Tier A	9.24%	\$ 331	9.17%	\$ 328
Safety Members	9.84%	75,442	9.80%	75,088
All Categories combined	11.65%	24,375	11.65%	24,373
	10.23%	100,148	10.19%	99,789
<b>Funded Status:</b>				
Actuarial accrued liability <sup>(3)</sup>		\$7,495,294		\$6,990,726
Valuation value of assets <sup>(4)</sup>		6,263,019		5,612,320
Funded percentage		83.6%		80.3%
Unfunded Actuarial Accrued Liability		1,232,275		1,378,406
<b>Key Assumptions:</b>				
Interest rate		8.25%		8.25%
Inflation rate		3.75%		4.00%
Across the board inflation		0.50%		0.25%

<sup>(1)</sup> Before reflection of any member rate that may be "picked-up" by the employer. Note that the average member rates shown have changed as a result of change in aggregate demographic profile. There are no changes in the individual member rates recommended in this valuation.

<sup>(2)</sup> Based on June 30, 2006 projected annual compensation.

<sup>(3)</sup> Excludes liabilities for STAR COLA and Health Benefit Reserves.

<sup>(4)</sup> Excludes assets for STAR COLA and Health Benefit Reserves.

**SECTION 1: Valuation Summary for the San Diego County Employees Retirement Association**

**Summary of Key Valuation Demographic and Financial Data**

	June 30, 2006	June 30, 2005	Percentage Change
<b>Active Members:</b>			
Number of members	17,451	16,980	2.8%
Average age	44.5	44.7	N/A
Average service	10.3	10.6	N/A
Projected total compensation	\$979,367,931	\$921,796,000	6.2%
Average projected compensation	\$56,121	\$54,287	3.4%
<b>Retired Member and Beneficiaries:</b>			
Number of members:			
Service retired	9,358	8,825	6.0%
Disability retired	1,451	1,397	3.9%
Beneficiaries	1,240	1,214	2.1%
Total	12,049	11,436	5.4%
Average age	68.5	68.7	N/A
Average monthly benefit <sup>(1)</sup>	\$2,073	\$1,923	7.8%
<b>Vested Terminated Members:</b>			
Number of terminated vested members <sup>(2)</sup>	4,687	4,673	0.3%
Average age	44.5	44.3	N/A
<b>Summary of Financial Data (dollar amounts in thousands):</b>			
Market value of assets	\$7,330,948	\$6,358,473	15.3%
Return on market value of assets	14.98%	14.21%	N/A
Actuarial value of assets	\$6,608,148	\$5,947,256	11.1%
Return on actuarial value of assets	10.79%	6.48%	N/A
Valuation value of assets	\$6,263,019	\$5,612,320	11.6%
Return on valuation value of assets	10.43%	6.50%	N/A

<sup>(1)</sup> Excludes monthly benefits for STAR COLA.

<sup>(2)</sup> Includes members who choose to leave their contributions on deposit even though they have less than five years of service.

**SECTION 2: Valuation Results for the San Diego County Employees Retirement Association**

**A. MEMBER DATA**

The Actuarial Valuation and Review considers the number and demographic characteristics of covered members, including active members, vested terminated members, retired members and beneficiaries.

This section presents a summary of significant statistical data on these member groups.

More detailed information for this valuation year and the preceding valuation can be found in Section 3, Exhibits A, B, and C.

*A historical perspective of how the member population has changed over the past ten valuations can be seen in this chart.*

**CHART 1  
Member Population: 1997 – 2006**

<b>Year Ended June 30</b>	<b>Active Members</b>	<b>Vested Terminated Members</b>	<b>Retired Members and Beneficiaries</b>	<b>Ratio of Non-Actives to Actives</b>
1997	16,635	1,929	7,692	0.58
1998	16,443	2,271	7,955	0.62
1999	16,579	2,653	8,292	0.66
2000	16,669	3,081	8,703	0.71
2001	17,346	3,290	8,921	0.70
2002	18,276	3,323	9,657	0.71
2003	18,466	3,910	10,253	0.77
2004	17,717	4,280	10,770	0.85
2005	16,980	4,673	11,436	0.95
2006	17,451	4,687	12,049	0.96

**SECTION 2: Valuation Results for the San Diego County Employees Retirement Association**

**Active Members**

Plan costs are affected by the age, years of service and compensation of active members. In this year's valuation, there were 17,451 active members with an average age of 44.5, average years of service of 10.3 years and average projected compensation of \$56,121. The 16,980 active members in the prior valuation had an average age of 44.7, average service of 10.6 years and average projected compensation of \$54,287.

Among the active members, there were none with unknown age.

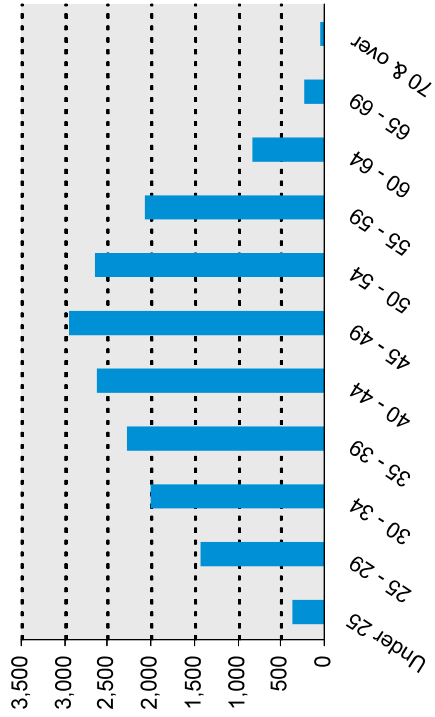
**Inactive Members**

In this year's valuation, there were 4,687 members with a vested right to a deferred or immediate vested benefit or entitled to a return of their member contributions versus 4,673 in the prior valuation.

*These graphs show a distribution of active members by age and by years of service.*

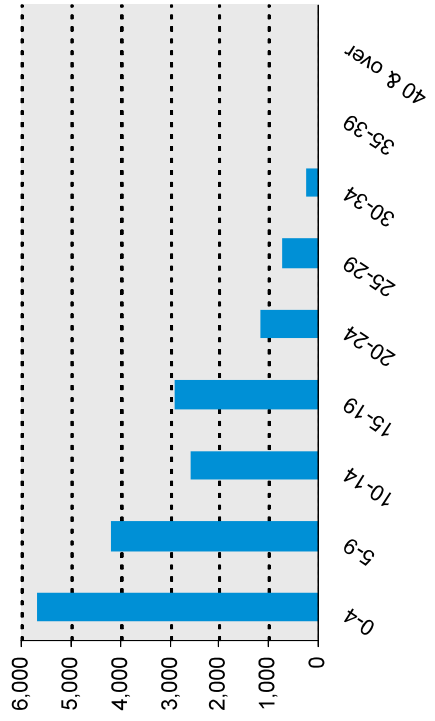
**CHART 2**

**Distribution of Active Members by Age as of June 30, 2006**



**CHART 3**

**Distribution of Active Members by Years of Service as of June 30, 2006**



**SECTION 2: Valuation Results for the San Diego County Employees Retirement Association**

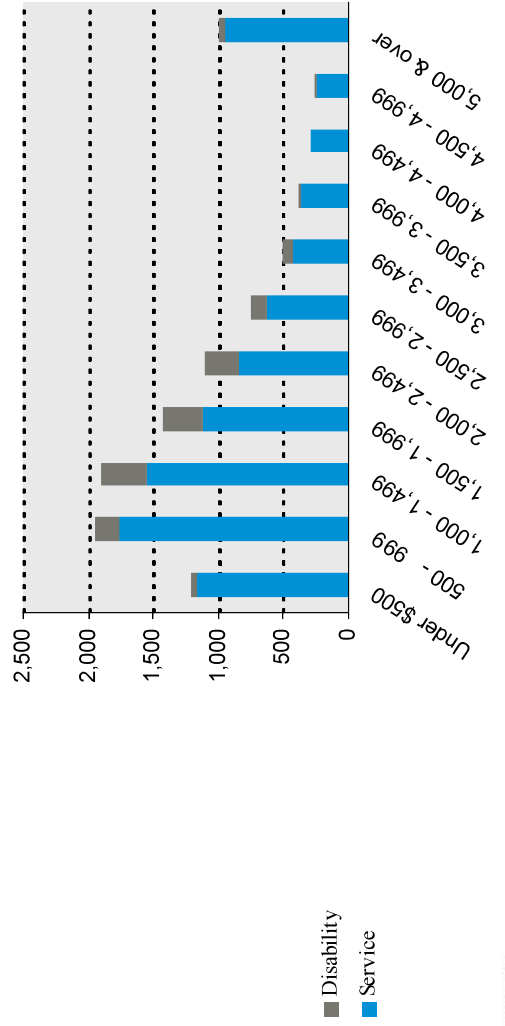
**Retired Members and Beneficiaries**

As of June 30, 2006, 10,809 retired members and 1,240 beneficiaries were receiving total monthly benefits of \$24,981,789. For comparison, in the previous valuation, there were 10,222 retired members and 1,214 beneficiaries receiving monthly benefits of \$21,993,178. These monthly benefits exclude benefits for STAR COLA.

*These graphs show a distribution of the current retired members based on their monthly amount and age, by type of pension.*

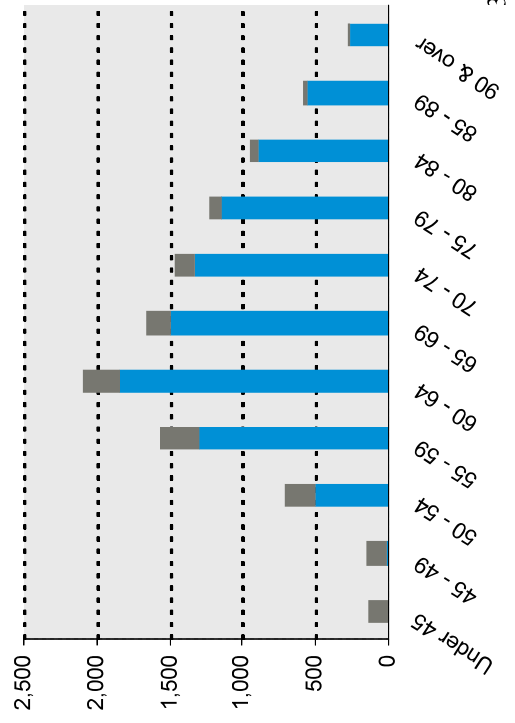
**CHART 4**

**Distribution of Retired Members by Type and by Monthly Amount as of June 30, 2006**



**CHART 5**

**Distribution of Retired Members by Type and by Age as of June 30, 2006**



**SECTION 2: Valuation Results for the San Diego County Employees Retirement Association**

**B. FINANCIAL INFORMATION**

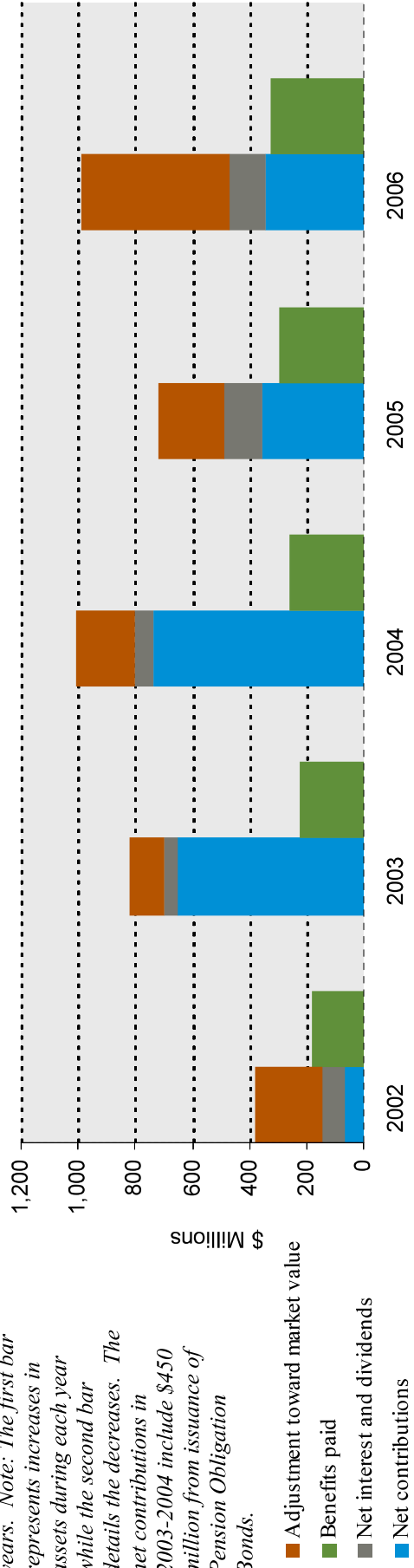
Retirement plan funding anticipates that, over the long term, both contributions and net investment earnings (less investment fees and administrative expenses) will be needed to cover benefit payments.

Retirement plan assets change as a result of the net impact of these income and expense components. The adjustment toward market value shown in the chart is the “non-cash” earnings on investments implicitly included in the actuarial value of assets. Additional financial information, including a summary of these transactions for the valuation year, is presented in Section 3, Exhibits D, E and F.

*The chart depicts the components of changes in the actuarial value of assets over the last five years. Note: The first bar represents increases in assets during each year while the second bar details the decreases. The net contributions in 2003-2004 include \$450 million from issuance of Pension Obligation Bonds.*

**CHART 6**

**Comparison of Increases and Decreases in the Actuarial Value of Assets for Years Ended June 30, 2002 – 2006**



**SECTION 2: Valuation Results for the San Diego County Employees Retirement Association**

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It is desirable to have level and predictable plan costs from one year to the next. For this reason, the Board of Retirement has approved an asset valuation method that gradually adjusts to market value. Under this method, the full value of market fluctuations is not recognized in a single year and, as a result, the asset value and the plan costs are more stable.

The amount of the adjustment to recognize market value is treated as income, which may be positive or negative. Realized and unrealized gains and losses are treated equally and, therefore, the sale of assets has no immediate effect on the actuarial value.

The determination of the actuarial and valuation value of assets is provided on the following page.



**SECTION 2: Valuation Results for the San Diego County Employees Retirement Association**

*The chart shows the determination of the actuarial and valuation value of assets as of the valuation date.*

**CHART 7**

**Determination of Actuarial and Valuation Value of Assets for Year Ended June 30, 2006**

From	Six Month Period		Total Actual Market Return (net)	Expected Market Return (net)	Investment Gain (Loss)	Deferred Factor	Deferred Return	
	To							
1/2002	6/2002		\$ (148,965,747)	\$ 153,579,450	\$ (302,545,197)	0	\$ 0	
7/2002	12/2002		84,950,076	172,517,450	(87,567,374)	0.2	(17,513,475)	
1/2003	6/2003		84,950,076	172,517,450	(87,567,374)	0.2	(17,513,475)	
7/2003	12/2003		464,531,812	182,773,793	281,758,019	0.4	112,703,207	
1/2004	6/2004		464,531,812	182,773,793	281,758,019	0.4	112,703,207	
7/2004	12/2004		393,633,977	228,521,789	165,112,188	0.6	99,067,313	
1/2005	6/2005		393,633,977	228,521,789	165,112,188	0.6	99,067,313	
7/2005	12/2005		565,517,934	262,672,774	302,845,160	0.8	242,276,128	
1/2006	6/2006		388,653,398	286,420,193	102,233,205	0.9	92,009,885	
1. Total Deferred Return								\$ 722,800,104
2. Net Market Value of Assets								7,330,948,460
3. Actuarial Value of Assets (Item 2 – Item 1)								6,608,148,356
4. Non-valuation reserves								
a. Health Benefit Reserve								\$207,339,433
b. 401(h) Reserve								10,041,735
c. STAR COLA Reserve								54,448,028
d. Contingency Reserve								73,299,700
e. Undistributed Reserve								0
f. Subtotal								\$ 345,128,896
5. Valuation Value of Assets (Item 3 – Item 4f)								6,263,019,460

*Note: Results may not add due to rounding.*

**SECTION 2: Valuation Results for the San Diego County Employees Retirement Association**

**CHART 8**

**Allocation of Valuation Value of Assets as of June 30, 2006**

The allocation of the valuation reserves between General and Safety is provided below:

	General	Safety	Total
1 Beginning of Year Asset Allocation	\$4,125,532,006	\$1,486,788,142	\$5,612,320,148
2 Estimated Percentage of Total Employee Contributions Including Pickups	79.36%	20.64%	100.0%
3 Employee Contributions, Allocated in Proportion to (2)	\$33,260,735	\$8,650,474	\$41,911,209
4 Employer Contributions Including Pickups, Allocated in Proportion to Employer rate	\$218,557,807	\$83,902,485	\$302,460,292
5 Annual Allowances for Retired Members (From Last Year's Valuation Report)	\$204,088,896	\$59,868,552	\$263,957,448
6 Benefit Payments Allocated in Proportion to (5)	\$216,096,253	\$63,390,856	\$279,487,109
6.1 Refunds, Allocated in Proportion to (2)	\$2,374,378	\$617,530	\$2,991,908
7 Subtotal = (1) + (3) + (4) - (6) - (6.1)	\$4,158,879,917	\$1,515,332,715	\$5,674,212,632
8 Total Valuation Value of Assets			\$6,263,019,460
9 Residual to Allocate			\$588,806,828
10 Allocate Residual in Proportion to (7)	\$431,562,413	\$157,244,415	\$588,806,828
11 End of Year Asset Allocation = (7) + (10)	\$4,590,442,330	\$1,672,577,130	\$6,263,019,460

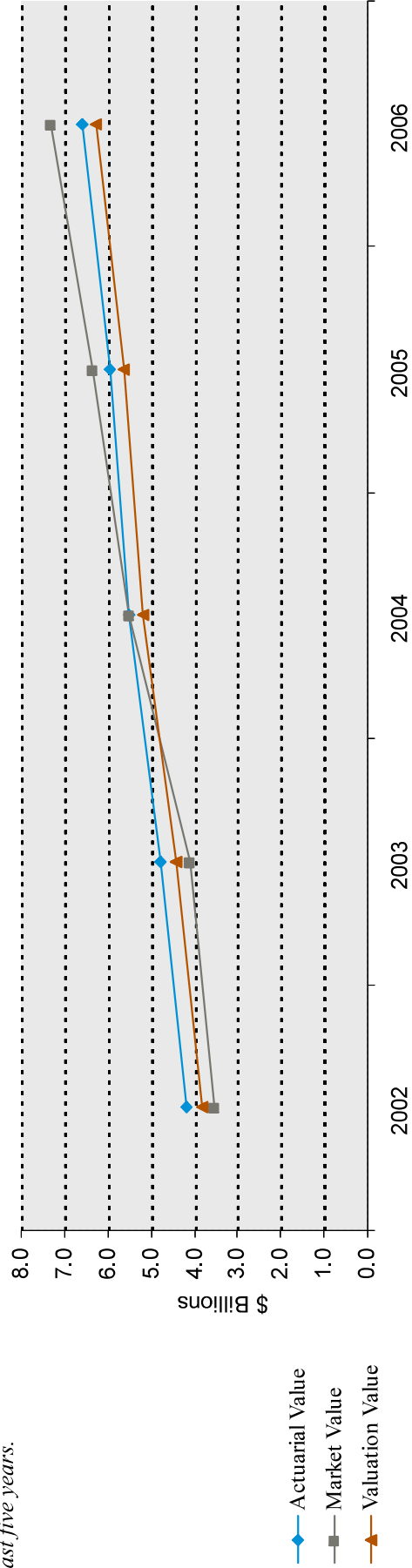
**SECTION 2: Valuation Results for the San Diego County Employees Retirement Association**

The market value, actuarial value, and valuation value of assets are representations of the SDCERA's financial status. As investment gains and losses are gradually taken into account, the actuarial value of assets tracks the market value of assets, but with less volatility. The valuation value of assets is the actuarial value, excluding any non-valuation reserves. The valuation asset value is significant because the SDCERA's liabilities are compared to these assets to determine what portion, if any, remains unfunded. Amortization of the unfunded actuarial accrued liability is an important element in determining the contribution requirement.

*This chart shows the change in market value, actuarial value and valuation value over the past five years.*

**CHART 9**

**Market Value, Actuarial Value and Valuation Value of Assets as of June 30, 2002 –2006**



—◆— Actuarial Value  
—■— Market Value  
—▲— Valuation Value

**SECTION 2: Valuation Results for the San Diego County Employees Retirement Association**

**C. ACTUARIAL EXPERIENCE**

To calculate the required contribution, assumptions are made about future events that affect the amount and timing of benefits to be paid and assets to be accumulated. Each year actual experience is measured against the assumptions. If overall experience is more favorable than anticipated (an actuarial gain), the contribution requirement will decrease from the previous year. On the other hand, the contribution requirement will increase if overall actuarial experience is less favorable than expected (an actuarial loss).

Taking account of experience gains or losses in one year without making a change in assumptions reflects the belief that the single year's experience was a short-term development and that, over the long term, experience will return to the original assumptions. For contribution requirements to remain stable, assumptions should approximate experience.

If assumptions are changed, the contribution requirement is adjusted to take into account a change in experience anticipated for all future years.

The total experience gain was \$135.1 million, a gain of \$123.2 million from investments and a gain of \$11.8 million from all other sources. The gain from all other sources was 0.2% of the actuarial accrued liability. A discussion of the major components of the actuarial experience is on the following pages.

*This chart provides a summary of the actuarial experience during the past year.*

**CHART 10**

**Actuarial Experience for Year Ended June 30, 2006**

1. Net gain from investments on valuation value of assets <sup>(1)</sup>	\$123,237,000
2. Net gain from other experience <sup>(2)</sup>	<u>11,818,000</u>
3. Net experience gain: (1) + (2)	\$135,055,000

<sup>(1)</sup> Details in Chart 11

<sup>(2)</sup> See Section 3, Exhibit H. Excludes a net gain of \$21 million due to \$40 million in excess contributions paid by the County offset by a contribution loss of about \$19 million due to the one-year delay in implementing contribution rates calculated in the prior valuation.

**SECTION 2: Valuation Results for the San Diego County Employees Retirement Association**

**Investment Rate of Return**

A major component of projected asset growth is the assumed rate of return. The assumed return should represent the expected long-term rate of return, based on the SDCERA's investment policy. For valuation purposes, the assumed rate of return on the valuation value of assets was 8.25% (based on June 30, 2005 valuation). The actual rate of return on a valuation basis for the 2005/2006 plan year was 10.43%.

Since the actual return for the year was greater than the assumed return, the SDCERA experienced an actuarial gain during the year ended June 30, 2006 with regard to its investments.

*This chart shows the gain/(loss) due to investment experience.*

**CHART 11**

**Investment Experience for Year Ended June 30, 2006 – Valuation Value and Actuarial Value of Assets**

	<b>Valuation Value</b>	<b>Actuarial Value</b>
1. Actual return	\$ 588,807,000	\$ 642,588,000
2. Average value of assets	5,643,266,000	5,956,408,000
3. Actual rate of return: (1) ÷ (2)	10.43%	10.79%
4. Assumed rate of return	8.25%	8.25%
5. Expected return: (2) x (4)	465,570,000	491,403,000
6. Actuarial gain/(loss): (1) – (5)	<u>\$123,237,000</u>	<u>\$151,185,000</u>

**SECTION 2: Valuation Results for the San Diego County Employees Retirement Association**

Because actuarial planning is long term, it is useful to see how the assumed investment rate of return has followed actual experience over time. The chart below shows the rate of return on an actuarial, valuation and market basis for the last five years.

Based upon this experience, future expectations and discussions with the Board, we have maintained the assumed rate of return at 8.25%.

**CHART 12**

**Investment Return – Actuarial Value, Valuation Value and Market Value: 2002 – 2006 (Dollar amount in thousands)**

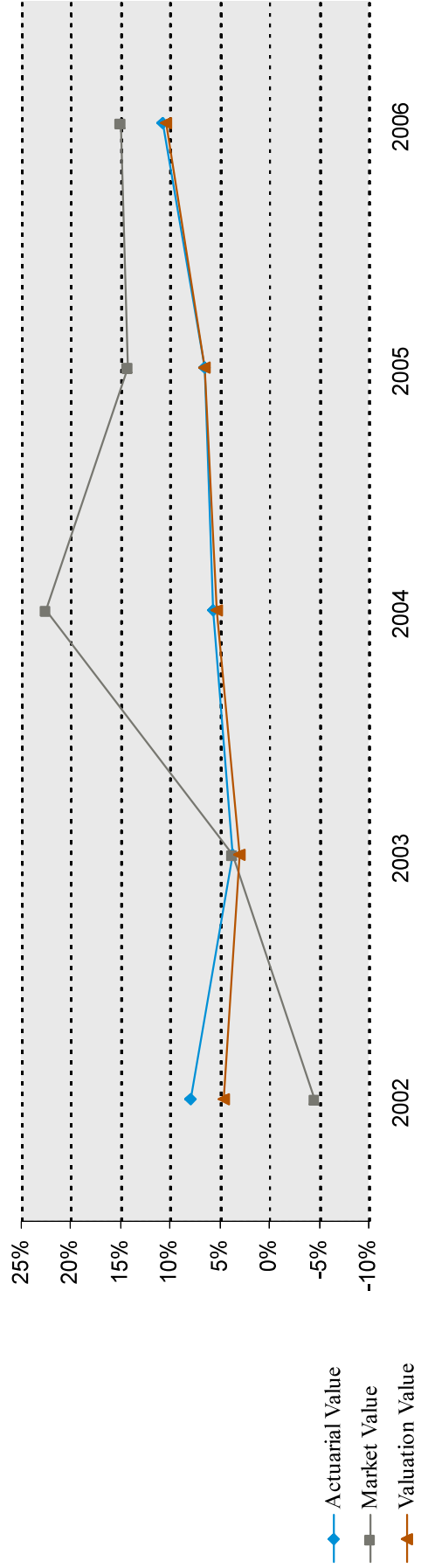
Year Ended June 30	Valuation Value Investment Return		Actuarial Value Investment Return		Market Value Investment Return	
	Amount	Percent	Amount	Percent	Amount	Percent
2002	\$173,066	4.68%	\$313,759	8.00%	-\$172,418	-4.58%
2003	128,191	3.05%	167,213	3.69%	142,954	3.68%
2004	235,037	5.28%	272,339	5.69%	929,064	22.57%
2005	339,407	6.50%	359,888	6.48%	787,268	14.21%
2006	588,807	10.43%	642,588	10.79%	954,171	14.98%
Total	\$1,464,508		\$1,755,787		\$2,641,039	
Average Last 5 Years		5.96%		6.90%		9.75%

**SECTION 2: Valuation Results for the San Diego County Employees Retirement Association**

Subsection B described the actuarial asset valuation method that gradually takes into account fluctuations in the market value rate of return. The effect of this is to stabilize the actuarial rate of return, which contributes to leveling pension plan costs.

*This chart illustrates how this leveling effect has actually worked over the years 2002 - 2006.*

**CHART 13**  
**Market, Actuarial and Valuation Rates of Return for Years Ended June 30, 2002 - 2006**



**SECTION 2: Valuation Results for the San Diego County Employees Retirement Association**

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**Other Experience**

There are other differences between the expected and the actual experience that appear when the new valuation is compared with the projections from the previous valuation.

These include:

- the extent of turnover among the participants,
- retirement experience (earlier or later than expected),
- mortality (more or fewer deaths than expected),

- the number of disability retirements, and
- salary increases different than assumed.

The net gain from this other experience for the year ended June 30, 2006 amounted to \$11.8 million, which was 0.2% of the actuarial accrued liability. See Exhibit H for a detailed development of the Unfunded Actuarial Accrued Liability.



**SECTION 2: Valuation Results for the San Diego County Employees Retirement Association**

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**D. EMPLOYER AND MEMBER CONTRIBUTIONS**

Employer contributions consist of two components:

*Normal Cost*

The annual contribution rate that, if paid annually from a member's first year of membership through the year of retirement, would accumulate to the amount necessary to fully fund the member's retirement-related benefits. Accumulation includes annual crediting of interest at the assumed investment earning rate. The contribution rate is expressed as a level percentage of the member's compensation.

*Contribution to the Unfunded*

*Actuarial Accrued Liability (UAAL)*

The annual contribution rate that, if paid annually over the UAAL amortization period, would accumulate to the amount necessary to fully fund the UAAL. Accumulation includes annual crediting of interest at the assumed investment earning rate. The contribution (or rate credit in the case of a negative unfunded actuarial accrued liability) is calculated to remain as a level percentage of future active member payroll (including payroll for new members as they enter the Association) assuming a constant number of active members. In order to remain as a level percentage of payroll, amortization payments (credits) are scheduled to increase at the combined annual inflation and across the board salary increase rate of 4.25%. Effective with the June 30, 2004 actuarial valuation, the Association's UAAL will be amortized over 20-year fixed layered amortization periods.

The recommended employer contributions are provided on Charts 14a and 14b.

**SECTION 2: Valuation Results for the San Diego County Employees Retirement Association**

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**Member Contributions**

Articles 6 and 6.8 of the 1937 Act define the methodology to be used in the calculation of member basic contribution rates for General members and Safety members, respectively. The basic contribution rate is determined so that the accumulation of a member's basic contributions made in a given year until a certain age will be sufficient to fund an annuity at that age that is equal to 1/100 of Final Average Compensation for General and Safety members. That age is 60 for General Tier 1 members, 55 for General Tier A members and 50 for Safety members. It is assumed that contributions are made annually at the same rate, starting at entry age. In addition to their basic contributions, members pay one-half of the total normal cost necessary to fund their cost-of-living benefits. Accumulation includes semi-annual crediting of interest at half of the assumed investment earning rate. The member contribution rates are provided in Appendix A. Please note that the member rates provided in the report are the full rate before reflecting any employer pickup.

**SECTION 2: Valuation Results for the San Diego County Employees Retirement Association**

**CHART 14a**

**Recommended Employer Contribution Rates (Dollar Amounts in Thousands)**

	June 30, 2006 Actuarial Valuation		June 30, 2005 Actuarial Valuation	
	Rate	Estimated Annual Amount*	Rate	Estimated Annual Amount*
<b>General Members</b>				
Normal cost – Basic Only	9.45%	\$72,781	9.46%	\$72,858
Normal Cost – COLA Only	2.70%	\$20,794	2.72%	\$20,950
Normal Cost – Total **	12.15%	\$93,575	12.18%	\$93,808
UAAL (Basic and COLA)**	9.34%	\$71,934	10.81%	\$83,255
Total Contribution	21.49%	\$165,509	22.99%	\$177,063
<b>Safety Members</b>				
Normal cost – Basic Only	13.84%	\$28,954	13.82%	\$28,912
Normal Cost – COLA Only	4.09%	\$8,556	4.09%	\$8,557
Normal Cost – Total **	17.93%	\$37,510	17.91%	\$37,469
UAAL (Basic and COLA)**	11.94%	\$24,979	12.77%	\$26,715
Total Contribution	29.87%	\$62,489	30.68%	\$64,184
<b>All Categories Combined</b>				
Normal cost – Basic Only	10.39%	\$101,735	10.39%	\$101,770
Normal Cost – COLA Only	2.99%	\$29,350	3.01%	\$29,507
Normal Cost – Total **	13.38%	\$131,085	13.40%	\$131,277
UAAL (Basic and COLA)**	9.90%	\$96,913	11.23%	\$109,970
Total Contribution	23.28%	\$227,998	24.63%	\$241,247

\*Amounts are in thousands and are based on June 30, 2006 projected annual payroll (Also in thousands):

General Tier 1	\$ 3,582
General Tier A	766,584
Subtotal	\$770,166
Safety	\$209,202
Total	\$979,368

\*\*A breakdown of the employer's total Normal Cost and UAAL to fund for each type of benefit is provided in Chart 14b.

**SECTION 2: Valuation Results for the San Diego County Employees Retirement Association**

**CHART 14b**

**Breakdown of the Employer's Normal Cost and UAAL Contributions to Fund for Each Type of Benefit (% of Payroll)**

	Elements of Normal Cost		
	General	Safety	Overall
<b>Normal Cost</b>			
Service Retirement*	6.48%	7.54%	6.71%
Vested Termination and Ordinary Withdrawal	3.29%	2.90%	3.20%
Non Service and Service Connected Disability	1.97%	6.56%	2.95%
Non Service and Service Connected Death	0.41%	0.93%	0.52%
Total Employer Normal Cost	12.15%	17.93%	13.38%
Total Employee Normal Cost*	9.84%	11.65%	10.23%
Employer Plus Employee Normal Cost	21.99%	29.58%	23.61%

\*Assuming that employee normal cost is only used to fund service retirement benefit.

	Elements of UAAL**		
	General	Safety	Overall
<b>Unfunded Actuarial Accrued Liability**</b>			
Service Retirement	8.88%	10.42%	9.20%
Vested Termination and Ordinary Withdrawal	0.02%	0.09%	0.04%
Non Service and Service Connected Disability	0.31%	1.27%	0.51%
Non Service and Service Connected Death	0.13%	0.16%	0.13%
Total Employer Unfunded Actuarial Accrued Liability	9.34%	11.94%	9.90%

\*\*Assuming that the liability for all inactive members is fully funded.

**SECTION 2: Valuation Results for the San Diego County Employees Retirement Association**

The contribution rates as of June 30, 2006 are based on all of the data described in the previous sections, the actuarial assumptions described in Section 4, and the Plan provisions adopted at the time of preparation of the Actuarial Valuation. They include all changes affecting future costs, adopted benefit changes, actuarial gains and losses and changes in the actuarial assumptions.

**Reconciliation of Recommended Contribution**  
 The chart below details the changes in the recommended contribution from the prior valuation to the current year's valuation.

*The chart reconciles the contribution from the prior valuation to the amount determined in this valuation.*

**CHART 15**

**Reconciliation of Recommended Contribution from June 30, 2005 to June 30, 2006 (Dollar Amounts in Thousands)**

	Contribution Rate	Estimated Annual Dollar Cost <sup>(1)</sup>
<b>Recommended Average Employer Contribution Rate as of June 30, 2005, Before Reflecting Any Employer Pickups</b>	24.63%	\$241,247
Effect of investment gain <sup>(2)</sup>	-0.92%	-\$9,010
Effect of difference in actual versus expected total and individual salary increases	0.25%	\$2,448
Effect of assumption change	0.00%	\$0
Effect of additional employer contribution offset by one-year delay in implementation of contribution rates calculated in June 30, 2005 valuation	-0.16%	-\$1,567
Effect of net other changes <sup>(3)</sup>	-0.52%	-\$5,120
Subtotal	-1.35%	-\$13,249
<b>Recommended Average Employer Contribution Rate as of June 30, 2006, Before Reflecting Any Employer Pickups</b>	23.28%	\$227,998

*(1) Based on June 30, 2006 projected annual payroll of \$979,368,000.*

*(2) Return on valuation assets was 10.43% and greater than the 8.25% assumed in the valuation.*

*(3) Other differences in actual versus expected actuarial experience, primarily due to retiree data corrections made by SDCCERA for those retirees with beneficiaries eligible for continuance benefits.*

**SECTION 2: Valuation Results for the San Diego County Employees Retirement Association**

The member contribution rates as of June 30, 2006 are the same as those based on all of the data, actuarial assumptions and Plan provisions adopted at the time of the June 30, 2005 actuarial valuation. They include all changes affecting future costs, adopted benefit changes, actuarial gains and losses and changes in the actuarial assumptions as of that date. Although there is a change in the actuarial assumption (i.e. 3.75% inflation from 4.00% assumed in the last valuation and a 0.50% across the board pay increase from 0.25% assumed in the last valuation) in this report, the individual member contribution rates are the same from those set in the June 30, 2005 valuation. This is because the combined inflation and across the board pay increases will remain unchanged at 4.25%.

**Reconciliation of Recommended Contribution Rate**  
 The chart below details the changes in the aggregate member contribution rate from the prior valuation to the current year's valuation.

*The chart reconciles the member contribution from the prior valuation to the amount determined in this valuation.*

**CHART 16**  
**Reconciliation of Recommended Member Contribution from June 30, 2005 to June 30, 2006 (Dollar Amounts in Thousands)**

	<u>Contribution</u> Rate	<u>Estimated Annual</u> Dollar Cost <sup>(1)</sup>
<b>Recommended Average Member Contribution Rate as of June 30, 2005, Before Reflecting Any Employer Pickups</b>	10.19%	\$99,789
Effect of changes in demographic profile of employee group	0.04%	\$359
<b>Recommended Average Member Contribution Rate as of June 30, 2006, Before Reflecting Any Employer Pickups</b>	10.23%	\$100,148

*(1) Based on June 30, 2006 projected annual payroll of \$979,368,000.*

**SECTION 2: Valuation Results for the San Diego County Employees Retirement Association**

**E. INFORMATION REQUIRED BY GASB**

Governmental Accounting Standards Board (GASB) reporting information provides standardized information for comparative purposes of governmental pension plans. This information allows a reader of the financial statements to compare the funding status of one governmental plan to another on relatively equal terms.

Critical information to GASB is the historical comparison of the GASB required contributions to the actual contributions. This comparison demonstrates whether a plan is being funded on an actuarially sound basis and in accordance with the GASB funding requirements. Chart 17 below presents a graphical representation of this information for the Plan.

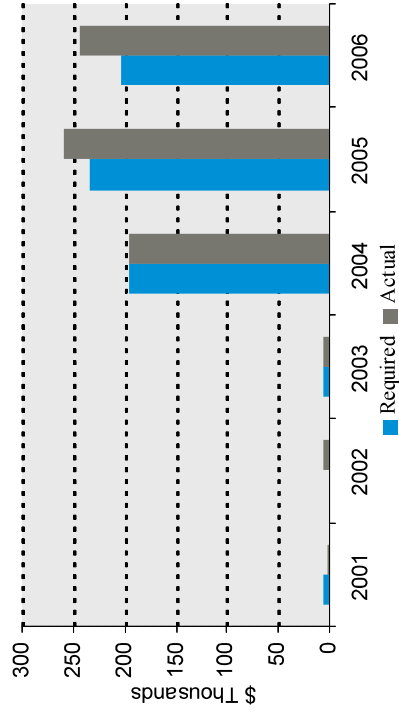
The other critical piece of information regarding the Plan's financial status is the funded ratio. This ratio compares the actuarial value of assets to the actuarial accrued liabilities of the plan as calculated under GASB. High ratios indicate a well-funded plan with assets sufficient to pay most benefits. Lower ratios may indicate recent changes to benefit structures, funding of the plan below actuarial requirements, poor asset performance, or a variety of other changes.

The details regarding the calculations of these values and other GASB numbers may be found in Section 4, Exhibits I, II, and III.

*These graphs show key GASB factors.*

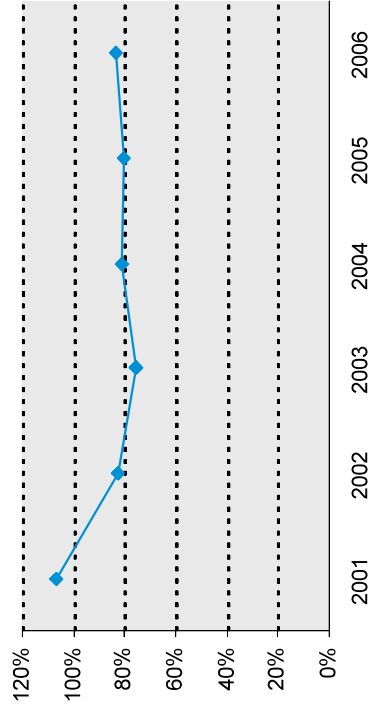
**CHART 17**

**Required Versus Actual Contributions**



**CHART 18**

**Funded Ratio**



**SECTION 3: Supplemental Information for the San Diego County Employees Retirement Association**

**EXHIBIT A**

**Table of Plan Coverage**

**i. General**

<b>Category</b>	<b>Year Ended June 30</b>		<b>Change From Prior Year</b>
	<b>2006</b>	<b>2005</b>	
<b>Active members in valuation</b>			
Number	14,280	13,771	3.7%
Average age	45.4	45.7	N/A
Average service	10.0	10.3	N/A
Projected total compensation	\$770,165,497	\$717,873,747	7.3%
Projected average compensation	\$53,933	\$52,129	3.5%
Account balances	\$191,980,538	\$168,043,295	14.2%
Total active vested members	9,350	9,052	3.3%
<b>Vested terminated members</b>			
	4,185	4,210	-0.6%
<b>Retired members</b>			
Number in pay status	8,437	8,007	5.4%
Average age	69.7	70.0	N/A
Average monthly benefit <sup>(1)</sup>	\$1,992	\$1,850	7.7%
<b>Disabled members</b>			
Number in pay status	905	883	2.5%
Average age	62.5	62.2	N/A
Average monthly benefit <sup>(1)</sup>	\$1,470	\$1,401	4.9%
<b>Beneficiaries</b>			
Number in pay status	1,149	1,125	2.1%
Average age	75.5	75.2	N/A
Average monthly benefit <sup>(1)</sup>	\$910	\$851	6.9%

<sup>(1)</sup> Excludes STAR COLA.



**SECTION 3: Supplemental Information for the San Diego County Employees Retirement Association**

**EXHIBIT A**

**Table of Plan Coverage**

**ii. Safety**

Category	Year Ended June 30		Change From Prior Year
	2006	2005	
<b>Active members in valuation</b>			
Number	3,171	3,209	-1.2%
Average age	40.7	40.6	N/A
Average service	11.6	11.5	N/A
Projected total compensation	\$209,202,434	\$203,921,812	2.6%
Projected average compensation	\$65,974	\$63,546	3.8%
Account balances	\$67,793,087	\$63,771,611	6.3%
Total active vested members	2,441	2,483	-1.7%
<b>Vested terminated members</b>			
	502	463	8.4%
<b>Retired members</b>			
Number in pay status	921	818	12.6%
Average age	62.6	62.7	N/A
Average monthly benefit <sup>(1)</sup>	\$4,445	\$4,224	5.2%
<b>Disabled members</b>			
Number in pay status	546	514	6.2%
Average age	56.4	56.1	N/A
Average monthly benefit <sup>(1)</sup>	\$2,782	\$2,635	5.6%
<b>Beneficiaries</b>			
Number in pay status	91	89	2.2%
Average age	64.6	64.5	N/A
Average monthly benefit <sup>(1)</sup>	\$2,103	\$2,016	4.3%

<sup>(1)</sup> Excludes STAR COLA.

**SECTION 3: Supplemental Information for the San Diego County Employees Retirement Association**

**EXHIBIT B**

**Members in Active Service and Projected Average Compensation as of June 30, 2006  
By Age and Years of Service**

**i. General Tier 1**

Age	Total	Years of Service												
		0-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40 & over				
Under 25	--	--	--	--	--	--	--	--	--	--	--	--	--	--
25 - 29	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	4	4												
	\$53,753	\$53,753												
30 - 34	12	6												
	56,863	48,301	\$65,425											
35 - 39	6	2	4											
	57,180	37,471	67,034											
40 - 44	6	2	3	1										
	43,072	42,197	43,518	\$43,482										
45 - 49	5	2	--	2	1									
	68,556	109,683	--	39,967	\$43,482									
50 - 54	15	5	8	2										
	39,867	43,992	37,099	40,625										
55 - 59	14	5	7	2										
	39,809	31,519	49,263	27,445										
60 - 64	8	1	7	--										
	36,523	31,969	37,174	--										
65 - 69	6	1	2	--	2	1								
	48,754	57,353	43,737	--	53,700	\$40,296								
70 & over	--	--	--	--	--	--								
Total	76	28	37	7	3	1								
	\$47,128	\$48,228	\$48,123	\$37,080	\$50,294	\$40,296								

**SECTION 3: Supplemental Information for the San Diego County Employees Retirement Association**

**EXHIBIT B**

**Members in Active Service and Projected Average Compensation as of June 30, 2006  
By Age and Years of Service**

**ii. General Tier A**

Age	Total	Years of Service												
		0-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40 & over				
Under 25	310	304	6	--	--	--	--	--	--	--	--	--	--	--
25 - 29	\$32,703	\$32,457	\$45,143	--	--	--	--	--	--	--	--	--	--	--
30 - 34	43,234	42,326	48,734	\$54,167	--	--	--	--	--	--	--	--	--	--
35 - 39	49,091	46,966	52,718	47,722	\$52,967	--	--	--	--	--	--	--	--	--
40 - 44	54,451	48,023	59,596	59,537	53,350	\$54,834	--	--	--	--	--	--	--	--
45 - 49	56,419	45,126	54,120	57,823	64,933	63,602	58,195	\$66,457	--	--	--	--	--	--
50 - 54	58,408	47,736	56,035	55,226	63,376	67,937	66,213	66,139	\$85,478	--	--	--	--	--
55 - 59	57,666	48,076	53,327	54,297	62,478	65,040	64,752	71,395	75,658	--	--	--	--	--
60 - 64	54,456	49,709	50,720	53,644	56,618	60,599	60,263	70,038	64,246	--	--	--	--	--
65 - 69	207	41	61	39	44	10	8	3	--	--	--	--	--	--
70 & over	52,667	48,301	52,552	49,284	56,280	70,498	47,205	56,865	--	--	--	--	--	--
Total	49,153	41,792	57,133	33,111	53,316	61,570	38,391	--	47,072	--	--	--	--	--
Total	14,204	4,915	3,312	1,987	2,339	877	549	209	15	1	1	1	1	1
Total	\$53,969	\$45,227	\$54,557	\$56,488	\$62,027	\$63,993	\$63,029	\$68,856	\$72,886	\$64,427	\$64,427	\$64,427	\$64,427	\$64,427

**SECTION 3: Supplemental Information for the San Diego County Employees Retirement Association**

**EXHIBIT B**

**Members in Active Service and Projected Average Compensation as of June 30, 2006  
By Age and Years of Service**

**iii. Safety**

Age	Total	Years of Service												
		0-4	5-9	10-14	15-19	20-24	25-29	30-34	35 & over					
Under 25	66	--	--	--	--	--	--	--	--	--	--	--	--	--
	\$41,858	\$41,859												
25 - 29	306	240	66	--	--	--	--	--	--	--	--	--	--	--
	49,093	47,032	\$56,588	--	--	--	--	--	--	--	--	--	--	--
30 - 34	539	170	295	74	--	--	--	--	--	--	--	--	--	--
	58,049	49,594	60,475	\$67,805	--	--	--	--	--	--	--	--	--	--
35 - 39	645	93	211	250	91	--	--	--	--	--	--	--	--	--
	65,849	53,200	62,410	70,832	\$73,059	--	--	--	--	--	--	--	--	--
40 - 44	627	74	98	145	241	69	--	--	--	--	--	--	--	--
	69,320	51,534	64,219	68,338	74,235	\$80,535	--	--	--	--	--	--	--	--
45 - 49	479	45	73	53	135	124	48	--	--	--	--	--	--	--
	73,152	49,854	64,796	71,217	74,010	80,556	\$87,953	\$89,737	--	--	--	--	--	--
50 - 54	299	28	45	35	40	65	76	10	--	--	--	--	--	--
	77,142	53,078	59,405	70,831	75,549	82,582	92,152	103,355	--	--	--	--	--	--
55 - 59	159	10	25	20	37	26	32	9	--	--	--	--	--	--
	77,104	80,701	64,663	73,958	73,880	80,064	85,322	90,130	--	--	--	--	--	--
60 - 64	43	4	9	7	8	5	6	4	--	--	--	--	--	--
	71,669	60,914	63,332	61,487	68,080	71,755	95,144	90,860	--	--	--	--	--	--
65 - 69	7	--	--	1	2	1	2	1	--	--	--	--	--	--
	81,107	--	--	59,922	88,105	89,737	76,071	89,737	--	--	--	--	--	--
70 & over	1	--	--	1	--	--	--	--	--	--	--	--	--	--
	178,093	--	--	178,093	--	--	--	--	--	--	--	--	--	--
Total	3,171	730	822	586	554	290	164	25	--	--	--	--	--	--
	\$65,974	\$49,346	\$61,590	\$70,027	\$74,020	\$80,841	\$89,504	\$95,505	--	--	--	--	--	--

**SECTION 3: Supplemental Information for the San Diego County Employees Retirement Association**

**EXHIBIT C**

**Reconciliation of Member Data – June 30, 2005 to June 30, 2006**

	<b>Active Members</b>	<b>Vested Terminated Members</b>	<b>Disabled Pensioners</b>	<b>Retired Members</b>	<b>Beneficiaries</b>	<b>Total</b>
Number as of June 30, 2005	16,980	4,673	1,397	8,825	1,214	33,089
New members	1,673	62	N/A	N/A	N/A	1,735
Terminations – with vested rights	-418	418	0	0	0	0
Contribution refunds	-222	-133	N/A	N/A	N/A	-355
Retirements	-636	-166	N/A	802	N/A	0
New disabilities	-57	-6	86	-23	N/A	0
Return to work	149	-144	0	-5	N/A	0
Died with or without beneficiary	-18	-22	-32	-259	31	-300
Data adjustments	<u>0</u>	<u>5</u>	<u>0</u>	<u>18</u>	<u>-5</u>	<u>18</u>
Number as of June 30, 2006	17,451	4,687	1,451	9,358	1,240	34,187

**SECTION 3: Supplemental Information for the San Diego County Employees Retirement Association**

**EXHIBIT D**

**Summary Statement of Income and Expenses on an Actuarial Value Basis**

	Year Ended June 30, 2006	Year Ended June 30, 2005
<b>Contribution income:</b>		
Employer contributions	\$302,460,292	\$316,074,788
Employee contributions	<u>41,911,209</u>	<u>40,765,818</u>
Net contribution income	\$344,371,501	\$356,840,606
<b>Investment income:</b>		
Interest, dividends and other income	\$219,082,672	\$185,149,752
Recognition of capital appreciation	517,081,841	230,680,481
Less investment fees and administrative expenses	<u>93,576,139</u>	<u>55,941,916</u>
Net investment income	<u>642,588,374</u>	<u>359,888,317</u>
<b>Total income available for benefits</b>	<b>\$986,959,875</b>	<b>\$716,728,923</b>
<b>Less benefit payments:</b>		
Service retirement and disability benefits	-\$278,283,263	-\$247,291,009
Death benefits	-1,203,846	-1,210,761
Health benefits	-32,878,648	-32,567,998
STAR cost of living allowance	-10,710,004	-11,019,640
Member refunds	<u>2,991,908</u>	<u>2,184,839</u>
Net benefit payments	-\$326,067,669	-\$294,274,247
<b>Change in assets held for future benefits</b>	<b>\$660,892,206</b>	<b>\$422,454,676</b>

**SECTION 3: Supplemental Information for the San Diego County Employees Retirement Association**

**EXHIBIT E**

**Summary Statement of Plan Assets**

	Year Ended June 30, 2006	Year Ended June 30, 2005
<b>Cash equivalents</b>	\$160,961,972	\$175,753,209
<b>Accounts receivable:</b>		
Contributions	\$ 9,121,752	\$ 8,737,706
Accrued interest and dividends	24,766,586	23,509,238
Settlement of securities sold	<u>64,594,719</u>	<u>47,146,013</u>
Total accounts receivable	98,483,057	79,392,957
<b>Investments:</b>		
Domestic equity securities and cash	\$2,062,005,449	\$2,251,217,777
International equity securities and cash	1,845,546,409	1,489,824,642
Bonds and cash	1,921,776,865	1,980,443,050
Securities lending collateral	603,018,979	503,190,421
Other investments	<u>1,454,918,376</u>	<u>610,144,753</u>
Total investments at market value	<u>7,887,266,078</u>	<u>6,834,820,643</u>
<b>Total assets</b>	\$8,146,711,107	\$7,089,966,809
<b>Less accounts payable:</b>		
Securities lending & settlement of securities purchased	-\$799,755,540	-\$715,525,404
Professional service	-10,849,000	-7,538,500
Cash in transit	-852,584	-1,772,067
Others	<u>-4,305,524</u>	<u>-6,657,543</u>
Total accounts payable	-\$815,762,648	-\$731,493,514
<b>Net assets at market value</b>	<u>\$7,330,948,460</u>	<u>\$6,358,473,295</u>
<b>Net assets at actuarial value</b>	<u>\$6,608,148,356</u>	<u>\$5,947,256,150</u>
<b>Net assets at valuation value</b>	<u>\$6,263,019,460</u>	<u>\$5,612,320,148</u>

*Note: Results may not add due to rounding.*

**SECTION 3: Supplemental Information for the San Diego County Employees Retirement Association**

**EXHIBIT F**

**Actuarial Balance Sheet**

An overview of the Plan’s funding is given by an Actuarial Balance Sheet. In this approach, we first determine the amount and timing of all future payments that are anticipated to be made by the Plan for current participants. We then discount these payments at the valuation interest rate to the date of the valuation, thereby determining their present value. We refer to this present value as the “liability” of the Plan.

Second, we determine how this liability will be met. These actuarial “assets” include the net amount of assets already accumulated by the Plan, the present value of future member contributions, the present value of future employer normal cost contributions, and the present value of future employer amortization payments.

**Actuarial Balance Sheet (Dollar Amounts in Thousands)**

	General	Safety	Total
<b>Assets</b>			
1 Total valuation assets	\$4,590,442	\$1,672,577	\$6,263,019
2 Present value of future contributions by members	\$569,331	\$195,639	\$764,970
3 Present value of future employer contributions for:			
a Entry age normal cost	\$654,096	\$281,773	\$935,869
b Unfunded actuarial accrued liability	\$913,951	\$318,324	\$1,232,275
4 Total current and future assets	\$6,727,820	\$2,468,313	\$9,196,133
<b>Liabilities</b>			
5 Present value of benefits for retirees and beneficiaries	\$2,706,163	\$973,281	\$3,679,444
6 Present value of benefits for terminated vested members	\$233,619	\$39,097	\$272,716
7 Present value of benefits for active members	<u>\$3,788,038</u>	<u>\$1,455,935</u>	<u>\$5,243,973</u>
8 Total liabilities	\$6,727,820	\$2,468,313	\$9,196,133



**SECTION 3: Supplemental Information for the San Diego County Employees Retirement Association**

**EXHIBIT G**

**Summary of Reported Reserve Information as of June 30, 2006**

<b>Reserves</b>	
(Dollar Amounts in Thousands)	
Member contributions <sup>(1)</sup>	\$ 290,339
County contributions <sup>(1)</sup>	1,850,020
Retired member reserve <sup>(1)</sup>	3,645,788
Transition reserve <sup>(1)</sup>	476,872
Total valuation reserve <sup>(1)</sup>	<u>\$6,263,019</u>
Health and 401(h) benefit reserve <sup>(2)</sup>	217,381
Star Cost-of-Living reserve <sup>(2)</sup>	54,448
Undistributed reserve <sup>(2)</sup>	0
Contingency reserve <sup>(2)</sup>	73,300
Total reserves	<u>\$6,608,148</u>
Net deferred gains(losses) <sup>(2)</sup>	722,800
Net market value	<u>\$7,330,948</u>

<sup>(1)</sup> Included in development of valuation value of assets.

<sup>(2)</sup> Not included in development of valuation value of assets.

**SECTION 3: Supplemental Information for the San Diego County Employees Retirement Association**

**EXHIBIT H**

**Development of Unfunded Actuarial Accrued Liability for Year Ended June 30, 2006**

	(Dollar Amounts in Thousands)	
1	Unfunded Actuarial Accrued Liability as of June 30, 2005	\$1,378,406
2	Normal Cost	224,521
3	Total employer and member contributions	-344,372
4	Interest	108,775
5	Expected Unfunded Actuarial Accrued Liability <sup>(1)</sup>	\$1,367,330
6	Changes due to:	
	(a) Investment return	-\$123,237
	(b) Higher than expected salary increase	33,826
	(c) Assumption change	0
	(d) Other experience <sup>(2)</sup>	<u>-45,644</u>
	(e) Total changes	<u>-135,055</u>
7	Unfunded Actuarial Accrued Liability as of June 30, 2006	\$1,232,275

<sup>(1)</sup> Includes a net gain of \$21 million due to \$40 million in excess contributions paid by the County offset by a contribution loss of about \$19 million due to the one year delay between the date of rate calculation and rate implementation.

<sup>(2)</sup> Other differences in actual versus expected experience, primarily due to additional information received from SDCERA regarding those retirees with beneficiaries eligible for continuance benefits.

**SECTION 3: Supplemental Information for the San Diego County Employees Retirement Association**

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**EXHIBIT I**

**Section 415 Limitations**

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Section 415 of the Internal Revenue Code (IRC) specifies the maximum benefits that may be paid to an individual from a defined benefit plan and the maximum amounts that may be allocated each year to an individual's account in a defined contribution plan.

A qualified pension plan may not pay benefits in excess of the Section 415 limits. The ultimate penalty for non-compliance is disqualification: active participants could be taxed on their vested benefits and the IRS may seek to tax the income earned on the plan's assets.

In particular, Section 415(b) of the IRC limits the maximum annual benefit payable at the Normal Retirement Age to a dollar indexed for inflation. That limit is \$175,000 for 2006 and \$180,000 for 2007. Normal Retirement Age for these purposes is age 62. These are the limits in simplified terms. They must be adjusted based on each participant's circumstances, for such things as age at retirement, form of benefits chosen and after tax contributions.

Benefits in excess of the limits may be paid through a qualified governmental excess plan that meets the requirements of Section 415(m).

Legal Counsel's review and interpretation of the law and regulations should be sought on any questions in this regard.

Contributions rates determined in this valuation have not been reduced for the Section 415 limitations. Actual limitations will result in gains as they occur.

**SECTION 3: Supplemental Information for the San Diego County Employees Retirement Association**

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**EXHIBIT J**

**Definitions of Pension Terms**

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The following list defines certain technical terms for the convenience of the reader:

**Assumptions or Actuarial Assumptions:**

The estimates on which the cost of the Plan is calculated including:

- (a) Investment return — the rate of investment yield that the Plan will earn over the long-term future;
- (b) Mortality rates — the death rates of employees and pensioners; life expectancy is based on these rates;
- (c) Retirement rates — the rate or probability of retirement at a given age; and
- (d) Turnover rates — the rates at which employees of various ages are expected to leave employment for reasons other than death, disability, or retirement.

**Normal Cost:**

The amount of contributions required to fund the level cost allocated to the current year of service.

**Actuarial Accrued Liability For Actives:**

The equivalent of the accumulated normal costs allocated to the years before the valuation date.

**Actuarial Accrued Liability For Pensioners:**

The single sum value of lifetime benefits to existing pensioners. This sum takes account of life expectancies appropriate to the ages of the pensioners and the interest that the sum is expected to earn before it is entirely paid out in benefits.

**Unfunded Actuarial Accrued Liability:**

The extent to which the actuarial accrued liability of the Plan exceeds (or is exceeded by) the assets of the Plan. There are many approaches to recognizing the unfunded or overfunded actuarial accrued liability, from meeting the interest accrual only to amortizing it over a specific period of time.

**SECTION 3: Supplemental Information for the San Diego County Employees Retirement Association**

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**Amortization of the Unfunded  
(Overfunded) Actuarial  
Accrued Liability:**

Payments made over a period of years equal in value to the Plan's unfunded or overfunded actuarial accrued liability.

**Investment Return:**

The rate of earnings of the Plan from its investments, including interest, dividends and capital gain and loss adjustments, computed as a percentage of the average value of the fund. For actuarial purposes, the investment return often reflects a smoothing of the market gains and losses to avoid significant swings in the value of assets from one year to the next.

**SECTION 4: Reporting Information for the San Diego County Employees Retirement Association**

**EXHIBIT I**

**Supplementary Information Required by GASB – Schedule of Employer Contributions (Dollar Amounts in Thousands)**

<b>Plan Year Ended June 30</b>	<b>Annual Required Contributions</b>	<b>Actual Contributions<sup>(1)</sup></b>	<b>Percentage Contributed</b>
2001	\$4,927	\$2,035	41.3%
2002	0	5,338	100.0%
2003 <sup>(2)</sup>	6,538	6,538	100.0%
2004	194,970	194,970	100.0%
2005	235,122	259,988	110.6%
2006	203,700	243,700	119.6%

<sup>(1)</sup> Excludes employer pickup of member contributions and proceeds from Pension Obligation Bonds.

<sup>(2)</sup> As of June 30, 2002, there was a Net Pension Obligation(NPO) of \$7,686. That NPO was eliminated when the County issued Pension Obligation Bonds in October 2002.

**SECTION 4: Reporting Information for the San Diego County Employees Retirement Association**

**EXHIBIT II**

**Supplementary Information Required by GASB – Schedule of Funding Progress**

<b>Actuarial Valuation Date</b>	<b>Valuation Value of Assets<sup>(1)</sup></b> <b>(a)</b>	<b>Actuarial Accrued Liability (AAL)<sup>(2)</sup></b> <b>(b)</b>	<b>Unfunded/ (Overfunded) AAL (UAAL)</b> <b>(b) - (a)</b>	<b>Funded Ratio</b> <b>(a) / (b)</b>	<b>Covered Payroll</b> <b>(c)</b>	<b>UAAL as a Percentage of Covered Payroll</b> <b>[(b) - (a)] / (c)</b>
06/30/2001	\$3,745,600,000	\$3,506,828,000	-\$238,772,000	106.81%	\$731,130,000	-32.66%
06/30/2002	3,831,334,000	5,078,067,000	1,246,733,000	75.45%	810,389,000	153.80%
10/02/2002 <sup>(3)</sup>	4,278,240,000	5,183,340,000	905,100,000	82.54%	818,704,000	110.55%
06/30/2003	4,417,766,000	5,853,125,000	1,435,359,000	75.48%	906,140,000	158.40%
06/30/2004 <sup>(3)</sup>	5,166,759,000	6,369,490,000	1,202,731,000	81.12%	917,081,000	131.15%
06/30/2005	5,612,320,000	6,990,726,000	1,378,406,000	80.28%	921,796,000	149.53%
06/30/2006	6,263,019,000	7,495,294,000	1,232,275,000	83.56%	979,368,000	125.82%

<sup>(1)</sup> Excludes assets for STAR COLA and Health Benefit Reserve.

<sup>(2)</sup> Excludes liabilities held for STAR COLA and Health Benefit Reserve.

<sup>(3)</sup> Reflects the issuance of Pension Obligation Bonds.

**SECTION 4: Reporting Information for the San Diego County Employees Retirement Association**

**EXHIBIT III**

**Supplementary Information Required by GASB**

Valuation date	June 30, 2006
<b>Actuarial cost method</b>	Entry Age Normal Actuarial Cost Method
<b>Amortization method</b>	Level percent of payroll for total unfunded liability (assuming a 4.25% payroll increase)
<b>Remaining amortization period</b>	20-year fixed (decreasing or closed) layered amortization periods for all UAAL
<b>Asset valuation method</b>	Market value of assets less unrecognized returns in each of the last five years. Unrecognized return is equal to the difference between the actual market return and the expected return on market value (valuation value before July 1, 2004) and are recognized over a five-year period. The Actuarial Value of Assets is reduced by the value of the non-valuation reserves and designations.
<b>Actuarial assumptions:</b>	
Investment rate of return	8.25%
Inflation rate	3.75%
Across the board salary increase	0.50%
Projected salary increases (5+ years of service)	5.25%*
Cost of living adjustments	3.00% of retirement income
<b>Plan membership:</b>	
Retired members and beneficiaries receiving benefits	12,049
Terminated members entitled to, but not yet receiving benefits	4,687
Active members	<u>17,451</u>
Total	34,187

\* Includes inflation at 3.75%, across the board increase of 0.50%, plus merit and longevity increases. See Exhibit IV for increases during the first 5 years of employment.



**SECTION 4: Reporting Information for the San Diego County Employees Retirement Association**

**EXHIBIT IV**

**Actuarial Assumptions and Actuarial Cost Method**

**Post-Retirement Mortality Rates:**

**Healthy Retirement:** 1994 Group Annuity Mortality Table.

**Disabled Retirement:** For General - 1994 Group Annuity Mortality Table set forward seven years. For Safety – same as Healthy Retirement.

The following are sample rates (%).

Age	Healthy Life Mortality		Disabled Life Mortality	
	General and Safety*		General	
	Male	Female	Male	Female
30	0.08	0.04	0.09	0.06
35	0.09	0.05	0.13	0.08
40	0.11	0.07	0.19	0.11
45	0.16	0.10	0.32	0.17
50	0.26	0.14	0.56	0.29
55	0.44	0.23	1.01	0.58
60	0.80	0.44	1.80	1.08

\* Includes Disabled Retirement

**SECTION 4: Reporting Information for the San Diego County Employees Retirement Association**

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**Employee Contribution Rates:**

General – 1994 Group Annuity Mortality Table for Females set forward two years.  
 Safety – 1994 Group Annuity Mortality Table for Males set back one year.

**Termination Rates Before Retirement:**

1994 Group Annuity Mortality Table.

**Mortality Rates:**

For General members, out of the total probability of mortality before retirement, 100% is assumed to be ordinary death and death while eligible for service retirement or disability retirement.

For Safety and Probation members, 100% is assumed to be service connected death.

The following are sample rates (%).

Age	Healthy Life Mortality	
	Male	Female
30	0.08	0.04
35	0.09	0.05
40	0.11	0.07
45	0.16	0.10
50	0.26	0.14
55	0.44	0.23
60	0.80	0.44

**SECTION 4: Reporting Information for the San Diego County Employees Retirement Association**

**Disability Rates:**

Age	Rate (%)					
	Non Service Connected Disability			Service Connected Disability		
	General		Safety	General		Safety
	Male	Female		Males	Female	
20	0.01	0.00	0.00	0.01	0.00	0.01
25	0.01	0.00	0.02	0.01	0.01	0.04
30	0.01	0.01	0.05	0.02	0.07	0.20
35	0.03	0.06	0.08	0.04	0.11	0.48
40	0.08	0.16	0.12	0.11	0.13	0.72
45	0.13	0.22	0.15	0.19	0.16	0.92
50	0.20	0.25	0.17	0.30	0.20	1.36
55	0.29	0.28	0.18	0.43	0.26	1.84
60	0.33	0.36	0.19	0.38	0.29	2.00

**SECTION 4: Report Information for the San Diego County Employees Retirement Association**

Withdrawal Rates:	Rate (%)			
	Years of Service	Ordinary Withdrawals (< 5 Years of Service)		
		General-Male	General-Female	Safety
	0	17.00	19.00	12.00
	1	11.00	12.00	11.00
	2	7.00	8.00	5.00
	3	6.00	7.00	4.50
	4	5.00	6.50	4.00

Withdrawal Rates:	Rate (%)			
	Age	Ordinary Withdrawal (5+ Years of Service) *		
		General-Male	General-Female	Safety
	20	1.80	1.80	1.66
	25	1.80	1.80	1.50
	30	1.69	1.53	1.30
	35	1.51	1.19	1.06
	40	1.33	0.86	0.86
	45	1.04	0.61	0.70
	50	0.79	0.54	0.54
	55	0.61	0.54	0.48
	60	0.54	0.54	0.19

\* No withdrawal is assumed after a member is eligible for retirement.

**SECTION 4: Report Information for the San Diego County Employees Retirement Association**

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Age	Rate (%)		
	General-Male	General-Female	Safety
20	7.95	9.33	3.56
25	7.27	8.22	2.99
30	6.39	6.44	2.41
35	5.36	4.89	1.67
40	4.33	3.78	1.30
45	3.18	2.67	1.11
50	2.09	1.56	0.53
55	1.01	0.78	0.21
60	0.56	0.56	0.08

\* No vested termination is assumed after a member is eligible for retirement.

**SECTION 4: Report Information for the San Diego County Employees Retirement Association**

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**Retirement Rates:**

Age	Rate (%)	
	General	Safety
48	-	4.0
49	-	4.0
50	6.0	15.0
51	3.0	15.0
52	5.0	15.0
53	6.0	15.0
54	6.0	15.0
55	12.0	25.0
56	13.0	30.0
57	15.0	30.0
58	17.0	35.0
59	20.0	35.0
60	20.0	45.0
61	25.0	45.0
62	25.0	50.0
63	25.0	50.0
64	25.0	50.0
65	30.0	100.0
66	30.0	100.0
67	30.0	100.0
68	30.0	100.0
69	40.0	100.0
70	100.0	100.0

**SECTION 4: Report Information for the San Diego County Employees Retirement Association**

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**Retirement Age and Benefit for Deferred Vested Members:**

Reciprocal and Non-reciprocal Members

General: Age 58; Safety: Age 53.

35% of General and 40% of Safety (including Probation) deferred vested members are assumed to be reciprocal. For reciprocals, we assume 5.25% compensation increases per annum.

**Future Benefit Accruals:**

1.0 year of service per year.

**Unknown Data for Members:**

Same as those exhibited by members with similar known characteristics. If not specified, members are assumed to be male.

**Definition of Active Members:**

First day of pay period following employment.

**Percent Married:**

80% of male members and 65% of female members are assumed to be married at retirement or pre-retirement death.

**Age of Spouse:**

Females (or male) spouses are 3 years younger (older) than their spouses

**Net Investment Return:**

8.25%; net of administration and investment expenses.

**Employee Contribution Crediting Rate:**

½ of the net investment return credited semi-annually.

**SECTION 4: Report Information for the San Diego County Employees Retirement Association**

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**Consumer Price Index:** Increase of 3.75% per year; benefit increases due to CPI subject to 3.0% maximum.

**Salary Scale:**

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Annual Rate of Compensation Increase

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Inflation: 3.75% per year; plus “Across the Board” salary increases of 0.50% per year; plus Merit and Longevity as follows:

Years of Service	General	Safety
0	4.00%	7.00%
1	3.50	6.00
2	3.00	4.75
3	2.50	3.50
4	2.00	2.50
5+	1.00	1.00



**SECTION 4: Report Information for the San Diego County Employees Retirement Association**

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**Actuarial Value of Assets:**

Market value of assets less unrecognized returns in each of the last five years. Unrecognized return is equal to the difference between the actual market return and the expected return on market value (valuation value before July 1, 2004) and are recognized over a five-year period.

**Valuation Value of Assets**

The actuarial value of assets reduced by the following reserves: (1) Health Benefit; (2) STAR COLA; (3) Undistributed Reserve; and (4) Contingency Reserve.

**Actuarial Cost Method:**

Entry Age Normal Actuarial Cost Method. Entry Age is the age at the member's hire date. Actuarial Accrued Liability is calculated on an individual basis and is based on costs allocated as a level percentage of compensation. The Normal Cost is calculated on an aggregate basis by taking the Present Value of Future Normal Costs divided by the Present Value of Future Salaries to obtain a normal cost rate. This normal cost rate is then multiplied by the total of current salaries.

**Member COLA Contribution Rates:**

The member COLA contribution rates have been modified in this valuation because of the change in the across the board salary increase assumption of 0.50%.

**Changes in Assumption and Methods:**

There have been changes in actuarial assumptions and methods since the previous valuation. Previously, those assumptions and methods were as follows:

**Salary Scale:**

Years of Service	Annual Rate of Compensation Increase	
	General	Safety
0	4.00%	7.00%
1	3.50	6.00
2	3.00	4.75
3	2.50	3.50
4	2.00	2.50
5+	1.00	1.00

Inflation: 4.0% per year; plus "Across the Board" salary increases of 0.25% per year; plus Merit and Longevity as follows:

**SECTION 4: Reporting Information for the San Diego County Employees Retirement Association**

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**EXHIBIT V**

**Summary of Plan Provisions**

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This exhibit summarizes the major provisions of the SDCERA included in the valuation. It is not intended to be, nor should it be interpreted as, a complete statement of all plan provisions.

**Membership Eligibility:**

All permanent employees of the County of San Diego or contracting district, scheduled to work 20 or more hours weekly, are eligible to become a member of the Retirement Association subject to classification below:

*General Tier 1*

All General members hired before March 8, 2002 who made a specific and irrevocable election to opt out of Tier A. This also included those General Members in deferred status on March 8, 2002.

*General Tier A*

All General members hired or continuing employment on or after March 8, 2002 except as noted above.

*Safety*

All Safety members.

**Final Compensation for Benefit Determination:**

*General and Safety*

Highest consecutive 26 bi-weekly pay periods of compensation earnable (§31462.1) (FAC).

**Service:**

Years of service. (Yrs)

**Service Retirement Eligibility:**

*General*

Age 50 with 10 years of service credit, or age 70 regardless of service credit, or after 30 years of service credit, regardless of age (§31672).

*Safety*

Age 50 with 10 years of service credit, or age 70 regardless of service credit, or after 20 years of service credit, regardless of age (§31663.25).

**SECTION 4: Reporting Information for the San Diego County Employees Retirement Association**

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**Benefit Formula:**

	<b>Retirement Age</b>	<b>Benefit Formula</b>
<i>General Tier 1 (§31676.12)</i>	50	$(1.34\% \times \text{FAC} - 1/3 \times 1.34\% \times \$350 \times 12) \times \text{Yrs}$
	55	$(1.77\% \times \text{FAC} - 1/3 \times 1.77\% \times \$350 \times 12) \times \text{Yrs}$
	60	$(2.34\% \times \text{FAC} - 1/3 \times 2.34\% \times \$350 \times 12) \times \text{Yrs}$
	62	$(2.62\% \times \text{FAC} - 1/3 \times 2.62\% \times \$350 \times 12) \times \text{Yrs}$
	65	$(2.62\% \times \text{FAC} - 1/3 \times 2.62\% \times \$350 \times 12) \times \text{Yrs}$

	<b>Retirement Age</b>	<b>Benefit Formula</b>
<i>General Tier A (§31676.17)</i>	50	$(2.00\% \times \text{FAC} - 1/3 \times 2.00\% \times \$350 \times 12) \times \text{Yrs}$
	55	$(2.50\% \times \text{FAC} - 1/3 \times 2.50\% \times \$350 \times 12) \times \text{Yrs}$
	60	$(3.00\% \times \text{FAC} - 1/3 \times 3.00\% \times \$350 \times 12) \times \text{Yrs}$
	62	$(3.00\% \times \text{FAC} - 1/3 \times 3.00\% \times \$350 \times 12) \times \text{Yrs}$
	65	$(3.00\% \times \text{FAC} - 1/3 \times 3.00\% \times \$350 \times 12) \times \text{Yrs}$

	<b>Retirement Age</b>	<b>Benefit Formula</b>
<i>Safety (Non-Integrated) (§31664.1)</i>	50	$(3.00\% \times \text{FAC} \times \text{Yrs})$
	55	$(3.00\% \times \text{FAC} \times \text{Yrs})$
	60	$(3.00\% \times \text{FAC} \times \text{Yrs})$

**Maximum Benefit:** 100% of Final Average Compensation (§31676.12, §31676.17, §31664.1)

**SECTION 4: Reporting Information for the San Diego County Employees Retirement Association**

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**Non Service Connected Disability:**

*General Members*

*Eligibility*

Five years of service (§31720).

*Benefit Formula*

1.8% of FAC per year of service. If the benefit does not exceed one-third of Final Compensation, the service is projected to 62, and the total benefit cannot be more than one-third of Final Compensation (§31727.1).

*Safety Members*

*Eligibility*

Five years of service (§31720).

*Benefit Formula*

1.8% of FAC per year of service. If the benefit does not exceed one-third of Final Compensation, the service is projected to 55, and the total benefit cannot be more than one-third of Final Compensation (§31727.2).

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**Service Connected Disability:**

*All Members*

*Eligibility*

No age or service requirements (§31720).

*Benefit Formula*

50% of the Final Compensation or 100% of Service Retirement benefit, if larger (§31727.4).

**SECTION 4: Reporting Information for the San Diego County Employees Retirement Association**

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**Pre-Retirement Death:**

*Non Service Connected (Not Vested) Before Eligible to Retire*

*Eligibility*

None.

*Benefit*

Refund of employee contributions with interest plus one month's eligible compensation for each year of service to a maximum of six month's compensation (§31781).

OR

*Non Service Connected (Vested)*

*Eligibility*

Five years of service.

*Benefit*

60% of the greater of Service or Non Service Connected Disability Retirement benefit payable to surviving eligible spouse or eligible children (§31765.1, §31781.1), in lieu of above. Additionally, the spouse may choose a combined benefit of:

- A lump sum payment of up to 6 month's compensation (see above), and
- A monthly (60%) benefit reduced by actuarial equivalent of the lump sum payment (31781.3).

*Service Connected Death*

50% of Final compensation or 100% of Service Retirement benefit, if greater, payable to spouse or minor children (§31787). In addition, safety members are entitled to benefits under sections 31787.5 and 31787.6.

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**Death After Retirement:**

*All Members*

*Service or Non Service Connected*

*Disability Retirement*

Unless another option was selected at retirement, 60% of member's unmodified allowance continued to eligible spouse (§31760.1) and \$3,500 lump sum benefit payable to member's beneficiary (§31789.3). An eligible spouse is a surviving spouse who was married to the member at least one year prior to the day of retirement (31760.1), or, at least two years prior to the date of death and has attained age 55 on or prior to the date of death (§31760.2).

*Service Connected Disability*

*Retirement*

Unless another option was selected at retirement, 100% of member's unmodified allowance continued to eligible spouse (§31786).

**SECTION 4: Reporting Information for the San Diego County Employees Retirement Association**

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**Withdrawal Benefits:**

*Less than Five Years of SDCERA/  
Reciprocal Service Credit*

Refund of accumulated employee contributions with interest or eligible for a retirement benefit at age 70 if actively working (§31628, 31629.5).

*Five or More Years of SDCERA/  
Reciprocal Service Credit*

If accumulated employee contributions left on deposit, eligible for retirement benefits at any time after meeting eligibility criteria to retire (§31700).

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**Post-retirement**

**Cost-of-Living Benefits:**

*General and Safety*

Future changes based on changes to the Consumer Price Index for the San Diego area to a maximum of 3% per year, excess “banked.” (§31870.1)

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**County Contributions:**

Effective with the June 30, 2004 actuarial valuation, the amortization period for Unfunded Actuarial Accrued Liability has changed to a 20-year fixed (decreasing) layered amortization period.

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**Supplemental Benefit:**

The Association provides a non-vested minimum 80% STAR COLA and health insurance allowance for eligible retirees. These programs do not provide funded benefits and are excluded from this valuation.

**SECTION 4: Reporting Information for the San Diego County Employees Retirement Association**

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**Member Contributions:**

Please refer to Appendix A for the specific rates.

*General Tier 1*

*Basic*

Provide for an average annuity at age 60 equal to 1/100 of FAC. (§31621.2)

*Cost-of-Living*

Provide for one-half of future Cost-of-Living costs.

*General Tier A*

*Basic*

Provide for an average annuity at age 55 equal to 1/100 of FAC. (§31621.8)

*Cost-of-Living*

Provide for one-half of future Cost-of-Living costs.

*Safety*

*Basic*

Provide for an average annuity at age 50 equal to 1/100 of FAC. (§31639.25)

*Cost-of-Living*

Provide for one-half of future Cost-of-Living costs.

**Other Information:**

General and Safety members with 30 or more years of qualifying service credit are exempt from paying member contributions (31625.2 and 31625.3).

**NOTE:**

*The summary of major plan provisions is designed to outline principle plan benefits as interpreted for purposes of the actuarial valuation. If the Association should find the plan summary not in accordance with the actual provisions, the Association should alert the actuary so they can both be sure the proper provisions are valued.*

**SECTION 4: Reporting Information for the San Diego County Employees Retirement Association**

**Appendix A  
Member Contribution Rates**

**General Tier 1 Members' Contribution Rates from the June 30, 2006 Actuarial Valuation  
(Expressed as a Percentage of Monthly Payroll)**

**Calculated Under Adopted Assumptions**

Entry Age	Basic			COLA			Total		
	First \$350	Over \$350	First \$350	First \$350	Over \$350	First \$350	Over \$350	Over \$350	
15	3.35%	5.02%	1.03%	1.55%	4.38%	6.57%			
16	3.35%	5.02%	1.03%	1.55%	4.38%	6.57%			
17	3.41%	5.11%	1.05%	1.58%	4.46%	6.69%			
18	3.46%	5.19%	1.07%	1.60%	4.53%	6.79%			
19	3.52%	5.28%	1.09%	1.63%	4.61%	6.91%			
20	3.58%	5.37%	1.11%	1.66%	4.69%	7.03%			
21	3.64%	5.46%	1.12%	1.68%	4.76%	7.14%			
22	3.70%	5.55%	1.14%	1.71%	4.84%	7.26%			
23	3.77%	5.65%	1.16%	1.74%	4.93%	7.39%			
24	3.83%	5.74%	1.18%	1.77%	5.01%	7.51%			
25	3.89%	5.84%	1.20%	1.80%	5.09%	7.64%			
26	3.95%	5.93%	1.22%	1.83%	5.17%	7.76%			
27	4.02%	6.03%	1.24%	1.86%	5.26%	7.89%			
28	4.09%	6.13%	1.26%	1.89%	5.35%	8.02%			
29	4.15%	6.23%	1.28%	1.92%	5.43%	8.15%			
30	4.22%	6.33%	1.30%	1.95%	5.52%	8.28%			
31	4.29%	6.44%	1.33%	1.99%	5.62%	8.43%			
32	4.36%	6.54%	1.35%	2.02%	5.71%	8.56%			
33	4.43%	6.65%	1.37%	2.05%	5.80%	8.70%			
34	4.51%	6.76%	1.39%	2.08%	5.90%	8.84%			
35	4.58%	6.87%	1.41%	2.12%	5.99%	8.99%			
36	4.65%	6.98%	1.43%	2.15%	6.08%	9.13%			
37	4.73%	7.09%	1.46%	2.19%	6.19%	9.28%			
38	4.80%	7.20%	1.48%	2.22%	6.28%	9.42%			



**SECTION 4: Reporting Information for the San Diego County Employees Retirement Association**

**General Tier 1 Members' Contribution Rates from the June 30, 2006 Actuarial Valuation  
(Expressed as a Percentage of Monthly Payroll)**

**Calculated Under Adopted Assumptions**

Entry Age	Basic			COLA			Total		
	First \$350	Over \$350	Over \$350	First \$350	Over \$350	Over \$350	First \$350	Over \$350	Over \$350
39	4.88%	7.32%	1.51%	1.51%	2.26%	2.26%	6.39%	9.58%	9.58%
40	4.96%	7.44%	1.53%	1.53%	2.29%	2.29%	6.49%	9.73%	9.73%
41	5.04%	7.56%	1.55%	1.55%	2.33%	2.33%	6.59%	9.89%	9.89%
42	5.12%	7.68%	1.58%	1.58%	2.37%	2.37%	6.70%	10.05%	10.05%
43	5.20%	7.80%	1.60%	1.60%	2.40%	2.40%	6.80%	10.20%	10.20%
44	5.28%	7.92%	1.63%	1.63%	2.44%	2.44%	6.91%	10.36%	10.36%
45	5.37%	8.05%	1.65%	1.65%	2.48%	2.48%	7.02%	10.53%	10.53%
46	5.45%	8.18%	1.68%	1.68%	2.52%	2.52%	7.13%	10.70%	10.70%
47	5.55%	8.32%	1.71%	1.71%	2.57%	2.57%	7.26%	10.89%	10.89%
48	5.63%	8.45%	1.74%	1.74%	2.61%	2.61%	7.37%	11.06%	11.06%
49	5.73%	8.59%	1.77%	1.77%	2.65%	2.65%	7.50%	11.24%	11.24%
50	5.83%	8.74%	1.79%	1.79%	2.69%	2.69%	7.62%	11.43%	11.43%
51	5.93%	8.89%	1.83%	1.83%	2.74%	2.74%	7.76%	11.63%	11.63%
52	6.03%	9.05%	1.86%	1.86%	2.79%	2.79%	7.89%	11.84%	11.84%
53	6.15%	9.22%	1.89%	1.89%	2.84%	2.84%	8.04%	12.06%	12.06%
54	6.27%	9.40%	1.93%	1.93%	2.90%	2.90%	8.20%	12.30%	12.30%
55	6.35%	9.52%	1.96%	1.96%	2.94%	2.94%	8.31%	12.46%	12.46%
56	6.41%	9.61%	1.97%	1.97%	2.96%	2.96%	8.38%	12.57%	12.57%
57	6.45%	9.67%	1.99%	1.99%	2.98%	2.98%	8.44%	12.65%	12.65%
58	6.47%	9.70%	1.99%	1.99%	2.99%	2.99%	8.46%	12.69%	12.69%
59 & Over	6.47%	9.70%	1.99%	1.99%	2.99%	2.99%	8.46%	12.69%	12.69%

Interest: 8.25%

Inflation: 3.75%

Across the board increase: 0.50%

COLA: 3.00%

COLA Loading Factor: 30.83%

Mortality: 1994 Group Annuity Mortality Table for females (with ages set forward two years)

Salary Increase: 5 Year Select and Ultimate Salary Increase Assumptions (see Exhibit IV)

Note: These rates are determined before any pickups by the employer.

**SECTION 4: Reporting Information for the San Diego County Employees Retirement Association**

**General Tier A Members' Contribution Rates from the June 30, 2006 Actuarial Valuation  
(Expressed as a Percentage of Monthly Payroll)**

**Calculated Under Adopted Assumptions**

Entry Age	Basic			COLA			Total		
	First \$350	Over \$350	Over \$350	First \$350	Over \$350	Over \$350	First \$350	Over \$350	Over \$350
15	3.89%	5.83%	1.39%	1.39%	2.08%	2.08%	5.28%	7.91%	7.91%
16	3.89%	5.83%	1.39%	1.39%	2.08%	2.08%	5.28%	7.91%	7.91%
17	3.95%	5.93%	1.41%	1.41%	2.12%	2.12%	5.36%	8.05%	8.05%
18	4.02%	6.03%	1.44%	1.44%	2.16%	2.16%	5.46%	8.19%	8.19%
19	4.09%	6.13%	1.46%	1.46%	2.19%	2.19%	5.55%	8.32%	8.32%
20	4.15%	6.23%	1.49%	1.49%	2.23%	2.23%	5.64%	8.46%	8.46%
21	4.22%	6.33%	1.51%	1.51%	2.26%	2.26%	5.73%	8.59%	8.59%
22	4.29%	6.44%	1.53%	1.53%	2.30%	2.30%	5.82%	8.74%	8.74%
23	4.36%	6.54%	1.56%	1.56%	2.34%	2.34%	5.92%	8.88%	8.88%
24	4.43%	6.65%	1.59%	1.59%	2.38%	2.38%	6.02%	9.03%	9.03%
25	4.51%	6.76%	1.61%	1.61%	2.42%	2.42%	6.12%	9.18%	9.18%
26	4.58%	6.87%	1.64%	1.64%	2.46%	2.46%	6.22%	9.33%	9.33%
27	4.65%	6.98%	1.67%	1.67%	2.50%	2.50%	6.32%	9.48%	9.48%
28	4.73%	7.09%	1.69%	1.69%	2.54%	2.54%	6.42%	9.63%	9.63%
29	4.81%	7.21%	1.72%	1.72%	2.58%	2.58%	6.53%	9.79%	9.79%
30	4.89%	7.33%	1.75%	1.75%	2.62%	2.62%	6.64%	9.95%	9.95%
31	4.96%	7.44%	1.77%	1.77%	2.66%	2.66%	6.73%	10.10%	10.10%
32	5.04%	7.56%	1.80%	1.80%	2.70%	2.70%	6.84%	10.26%	10.26%
33	5.13%	7.69%	1.83%	1.83%	2.75%	2.75%	6.96%	10.44%	10.44%
34	5.21%	7.81%	1.86%	1.86%	2.79%	2.79%	7.07%	10.60%	10.60%
35	5.29%	7.93%	1.89%	1.89%	2.84%	2.84%	7.18%	10.77%	10.77%
36	5.37%	8.06%	1.92%	1.92%	2.88%	2.88%	7.29%	10.94%	10.94%
37	5.46%	8.19%	1.95%	1.95%	2.93%	2.93%	7.41%	11.12%	11.12%
38	5.55%	8.32%	1.99%	1.99%	2.98%	2.98%	7.54%	11.30%	11.30%
39	5.64%	8.46%	2.02%	2.02%	3.03%	3.03%	7.66%	11.49%	11.49%
40	5.73%	8.59%	2.05%	2.05%	3.07%	3.07%	7.78%	11.66%	11.66%
41	5.82%	8.73%	2.08%	2.08%	3.12%	3.12%	7.90%	11.85%	11.85%
42	5.91%	8.87%	2.11%	2.11%	3.17%	3.17%	8.02%	12.04%	12.04%

**SECTION 4: Reporting Information for the San Diego County Employees Retirement Association**

**General Tier A Members' Contribution Rates from the June 30, 2006 Actuarial Valuation  
(Expressed as a Percentage of Monthly Payroll)**

**Calculated Under Adopted Assumptions**

Entry Age	Basic			COLA			Total	
	First \$350	Over \$350	Over \$350	First \$350	Over \$350	Over \$350	First \$350	Over \$350
43	6.01%	9.02%	3.23%	2.15%	3.23%	3.23%	8.16%	12.25%
44	6.11%	9.17%	3.28%	2.19%	3.28%	3.28%	8.30%	12.45%
45	6.21%	9.32%	3.33%	2.22%	3.33%	3.33%	8.43%	12.65%
46	6.32%	9.48%	3.39%	2.26%	3.39%	3.39%	8.58%	12.87%
47	6.43%	9.65%	3.45%	2.30%	3.45%	3.45%	8.73%	13.10%
48	6.55%	9.83%	3.52%	2.35%	3.52%	3.52%	8.90%	13.35%
49	6.69%	10.03%	3.59%	2.39%	3.59%	3.59%	9.08%	13.62%
50	6.77%	10.16%	3.63%	2.42%	3.63%	3.63%	9.19%	13.79%
51	6.83%	10.25%	3.67%	2.45%	3.67%	3.67%	9.28%	13.92%
52	6.88%	10.32%	3.69%	2.46%	3.69%	3.69%	9.34%	14.01%
53	6.90%	10.35%	3.70%	2.47%	3.70%	3.70%	9.37%	14.05%
54 & Over	6.90%	10.35%	3.70%	2.47%	3.70%	3.70%	9.37%	14.05%

Interest: 8.25%

Inflation: 3.75%

Across the board increase: 0.50%

COLA: 3.00%

COLA Loading Factor: 35.76%

Mortality: 1994 Group Annuity Mortality Table for females (with ages set forward two years)

Salary Increase: 5 Year Select and Ultimate Salary Increase Assumptions (see Exhibit IV)

Note: These rates are determined before any pickups by the employer.

**SECTION 4: Reporting Information for the San Diego County Employees Retirement Association**

**Safety Members' Contribution Rates from the June 30, 2006 Actuarial Valuation  
(Expressed as a Percentage of Monthly Payroll)**

Entry Age	Calculated Under Adopted Assumptions			Total
	Basic	COLA		
15	7.15%	3.61%		10.76%
16	7.15%	3.61%		10.76%
17	7.15%	3.61%		10.76%
18	7.15%	3.61%		10.76%
19	7.15%	3.61%		10.76%
20	7.15%	3.61%		10.76%
21	7.15%	3.61%		10.76%
22	7.27%	3.67%		10.94%
23	7.39%	3.73%		11.12%
24	7.51%	3.80%		11.31%
25	7.63%	3.86%		11.49%
26	7.76%	3.92%		11.68%
27	7.88%	3.98%		11.86%
28	8.01%	4.05%		12.06%
29	8.14%	4.11%		12.25%
30	8.28%	4.18%		12.46%
31	8.41%	4.25%		12.66%
32	8.55%	4.32%		12.87%
33	8.69%	4.39%		13.08%
34	8.84%	4.47%		13.31%
35	8.99%	4.54%		13.53%
36	9.14%	4.62%		13.76%
37	9.30%	4.70%		14.00%
38	9.46%	4.78%		14.24%
39	9.63%	4.87%		14.50%
40	9.81%	4.96%		14.77%
41	10.00%	5.05%		15.05%
42	10.20%	5.16%		15.36%
43	10.42%	5.27%		15.69%

**SECTION 4: Reporting Information for the San Diego County Employees Retirement Association**

**Safety Members' Contribution Rates from the June 30, 2006 Actuarial Valuation  
(Expressed as a Percentage of Monthly Payroll)**

Calculated Under Adopted Assumptions			
Entry Age	Basic	COLA	Total
44	10.68%	5.40%	16.08%
45	10.82%	5.47%	16.29%
46	10.91%	5.51%	16.42%
47	10.91%	5.51%	16.42%
48	10.83%	5.47%	16.30%
49 & Over	10.68%	5.40%	16.08%

Interest: 8.25%  
 Inflation: 3.75%  
 Across the board increase: 0.50%  
 COLA: 3.00%  
 COLA Loading Factor: 50.54%  
 Mortality: 1994 Group Annuity Mortality Table for Males (with ages set back one year)  
 Salary Increase: 5 Year Select and Ultimate Salary Increase Assumptions (see Exhibit IV)  
 Note: These rates are determined before any pickups by the employer.

**SECTION 4: Reporting Information for the San Diego County Employees Retirement Association**

**Appendix B**

**Unfunded Actuarial Accrued Liability (UAAL) Amortization Schedule as of June 30, 2006**

**Unfunded Actuarial Accrued Liability Bases in the June 30, 2006 Actuarial Valuation**

	<b>Date Established</b>	<b>Description</b>	<b>Initial Amount</b>	<b>Outstanding Balance</b>	<b>Years Remaining</b>	<b>Payment</b>
<b>General</b>	June 30, 2004	Reamortize UAAL	\$898,323,000	\$906,975,000	18	\$71,069,000
	June 30, 2005	Actuarial loss	128,924,000	129,813,000	19	9,798,000
	June 30, 2006	Actuarial gain	(122,837,000)	<u>(122,837,000)</u>	20	<u>(8,955,000)</u>
<b>Subtotal</b>				\$913,951,000		\$71,912,000
<b>Safety</b>	June 30, 2004	Reamortize UAAL	\$304,408,000	\$307,339,000	18	\$24,083,000
	June 30, 2005	Actuarial loss	40,271,000	40,549,000	19	3,061,000
	June 30, 2006	Actuarial gain	(29,564,000)	<u>(29,564,000)</u>	20	<u>(2,155,000)</u>
<b>Subtotal</b>				\$318,324,000		\$24,989,000
<b>General and Safety</b>	June 30, 2004	Reamortize UAAL	\$1,202,731,000	\$1,214,314,000	18	\$95,152,000
	June 30, 2005	Actuarial loss	169,195,000	170,362,000	19	12,859,000
	June 30, 2006	Actuarial gain	(152,401,000)	<u>(152,401,000)</u>	20	<u>(11,110,000)</u>
<b>Grand Total</b>				\$1,232,275,000		\$96,901,000

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