ELECTIVE STATE OFFICERS RETIREMENT PLAN

ACTUARIAL VALUATION REPORT

JULY 1, 1991

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December 23, 1991

Legislative Commission on
Pensions and Retirement
55 State Office Building
St. Paul, Minnesota 55155

RE: Elective State Officers Retirement Plan

Commission Members:

Pursuant to the terms of our Actuarial Services Contract, we have performed an actuarial valuation of the Fund as of July 1, 1991.

The results of our calculations are set forth in the following report, as are the actuarial assumptions upon which our calculations have been made. We have relied on the basic employee data and asset figures as submitted by the Minnesota State Retirement System.

On the basis of the foregoing, we hereby certify that, to the best of our knowledge and belief, this report is complete and accurate and has been prepared in accordance with the requirements of Section 356.215, Minnesota Statutes, and the requirements of the Standards for Actuarial Work, adopted by the Commission on September 20, 1989.

Respectfully submitted,

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ELECTIVE STATE OFFICERS RETIREMENT PLAN

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ELECTIVE STATE OFFICERS RETIREMENT FUND

REPORT HIGHLIGHTS
(DOLLARS IN THOUSANDS)

		07/01/90 Valuation	07/01/91 Valuation
A.	CONTRIBUTIONS (Table 11)		
	1. Statutory Contributions - Chapter 352C % of Payroll	9.00%	9.00%
	2. Required Contributions - Chapter 356 % of Payroll	34.84%	33.28%
	3. Sufficiency (Deficiency): (A.1. - A.2.)	-25.84%	-24.28%
B.	FUNDING RATIOS		
	1. Accrued Benefit Funding Ratio		
	a. Current Assets (Table 1)	$351	$308
	b. Current Benefit Obligations (Table 8)	$2,108	$2,160
	c. Funding Ratio: (a/b)	16.65%	14.25%
	2. Accrued Liability Funding Ratio		
	a. Current Assets (Table 1)	$351	$308
	b. Actuarial Accrued Liability (Table 9)	$2,271	$2,249
	c. Funding Ratio: (a/b)	15.46%	13.69%
	3. Projected Benefit Funding Ratio (Table 8)		
	a. Current and Expected Future Assets	$655	$634
	b. Current and Expected Future Benefit Obligations	$2,575	$2,575
	c. Funding Ratio: (a/b)	25.44%	24.62%
C.	PLAN PARTICIPANTS		
	1. Active Members		
	a. Number (Table 3)	6	6
	b. Projected Annual Earnings	$428	$440
	c. Average Annual Earnings (Actual $)	$71,333	$73,271
	d. Average Age	52.1	50.7
	e. Average Service	10.2	7.0
	2. Others		
	a. Service Retirements (Table 4)	3	3
	b. Disability Retirements (Table 5)	NA	NA
	c. Survivors (Table 6)	5	4
	d. Deferred Retirements (Table 7)	6	7
	e. Terminated Other Non-vested (Table 7)	0	0
	f. Total	14	14

ELECTIVE STATE OFFICERS RETIREMENT FUND

COMMENTARY

Purpose

The purpose of this valuation is to determine the financial status of the Plan. In order to achieve this purpose, an actuarial valuation is made at the beginning of each fiscal year as required by Section 356.215 of Minnesota Statutes.

Report Highlights

The financial status of the Plan can be measured by three different funding ratios:

> The Accrued Benefit Funding Ratio is a measure of current funding status and, when viewed over a period of years, presents a view of the funding progress. It is based upon benefits which have been earned by service to the valuation date. This year's ratio is 14.25%. The corresponding ratio for the prior year was 16.65%.
>
> The Accrued Liability Funding Ratio is also a measure of funding status and funding progress. It is based on the actuarial cost method that has historically been used by the State. For 1991 the ratio is 13.69%, which is a decrease from the 1990 value of 15.46%.
>
> The Projected Benefit Funding Ratio is a measure of the adequacy or deficiency in the contribution level. This year's ratio of 24.62% shows that the current statutory contributions are inadequate.

Under current law, the state is required to fund the remaining full liability for retirements as they occur. The funding ratios shown here do not reflect the anicipated contributions arising from this requirement.

Asset Information (Tables 1 and 2)

Minnesota Statutes require that the asset value used for actuarial purposes recognize only a third of the unrealized gains and losses. This requirement exists because market values (which include all unrealized gain and losses) are typically volatile and can produce erratic changes in the contribution requirements from year to year.

The calculation of the Actuarial Value of Assets is shown in Table 1 on lines F1 to F6. It combines the cost value of the Assets Available for Benefits and one-third of the difference between the market value and cost value of those assets.

The term "Actuarial Value of Assets" is used to indicate that the value was determined for use in this actuarial valuation. Since Minnesota Statutes refer to this value as "Current Assets", the latter phrase will be used in the remainder of this report.

This Plan participates in the Minnesota Post Retirement Investment Fund (i.e. MPRIF). After the MPRIF liability has been calculated for each participating Plan, the State Board of Investments, (i.e. SBI), will determine each Plan's portion of the excess earnings for the January benefit increase as well as the Plan's allocated market share of MPRIF.

Actuarial Balance Sheet (Table 8)

An actuarial balance sheet provides a method for evaluating current and future levels of funding.

The Current Benefit Obligation used to measure current funding levels is calculated in accordance with Statement No. 5 of the Governmental Accounting Standards Board (GASB). Those requirements are:

> For Active Members - salary and service are projected to retirement to determine benefits for each member and the ratio of credited service to

total service establishes the portion of the projected benefit to be used in calculating the current funding level.

For Non-active Members - the discounted value of benefits, including augmentation in cases where benefits have not commenced.

GASB Disclosure

The Current Benefit Obligation amounts in Table 8 are required to be disclosed by Statement No. 5 of the Governmental Accounting Standards Board (GASB). However, Statement No. 5 uses the terms "Actuarial Present Value of Credited Projected Benefits" and "Pension Benefit Obligation" rather than "Current Benefit Obligation".

The July 1, 1991 Pension Benefit Obligation reported in Table 8 is reformatted for GASB reporting purposes in the following table:

Retirees and beneficiaries currently receiving benefits and terminated employees not yet receiving benefits	$1,478,797
Current Employees	
Accumulated employee contributions including allocated investment income	$193,516
Employer-financed vested	460,444
Employer-financed nonvested	26,943
Total Pension Benefit Obligation	$2,159,700
Net Assets Available for Benefits at Cost	$308,000
Total Benefit Obligation less Assets	$1,851,700
Funded Ratio	14.26%

Actuarial Cost Method (Table 9)

The approach used by the State of Minnesota to determine contribution sufficiency is the Entry Age Normal Actuarial Cost Method. The primary characteristic of this method is that it allocates costs as a level percentage of payroll.

A comparison of this actuarial method (Table 9) to the actuarial balance sheet (Table 8) illustrates the two techniques for allocating liabilities of active Members to past and future. As noted in the prior section, the balance sheet allocates benefits and the corresponding liabilities, on the basis of service. The method used in Table 9 allocates liabilities so that the cost each year will be a constant percentage of payroll. Both approaches, however, calculate the value of all future benefits the same way (see line F of Table 8 and line A6, column 1, of Table 9).

An Unfunded Actuarial Accrued Liability is computed under the Entry Age Normal Actuarial Cost Method by comparing the liabilities allocated to past service (Actuarial Accrued Liability) to the Current Assets. This amount, line B3, is funded over the remaining years to the amortization date by a series of payments that remain a constant percentage of payroll each year.

The payments will increase 6.5% each year because that is the assumed rate of increase in payroll. Although the payment schedule will be adequate to amortize the existing unfunded, the lower payments in the earlier years will not be sufficient to cover the interest on the unfunded liability. After a few years, the annual payment will cover the interest and also repay a portion of the unfunded.

Sources of Actuarial Gains and Losses (Table 10)

The assumptions used in making the calculations using the Entry Age Normal Actuarial Cost Method are based on long-term expectations. Each year the actual experience will deviate from the long-term expectation. For a detailed analysis of the major components, refer to Table 10.

Contribution Sufficiciency (Table 11)

This report determines the adequacy of Statutory Contributions by comparing the Statutory Contributions to the Required Contributions.

The Required Contributions, set forth in Chapter 356, consist of:

Normal costs based on the Entry Age Normal Actuarial Cost Method.

A Supplemental Contribution for amortizing any Unfunded Actuarial Accrued Liability.

An Allowance for Expenses.

Table 11 shows the Plan has a contribution deficiency since the Statutory Contribution Rate is 9.00% compared to the Required Contribution Rate of 33.28%. Under current law, the state is required to fund the remaining full liability for retirements as they occur. Therefore, this deficiency is theoretical only; technically, no deficiency exists under a terminal funding structure as long as current requirements are met.

Changes in Actuarial Assumptions

The actuarial assumptions are the same as those used in the prior valuation.

Changes in Plan Provisions

There were no changes in plan provisions since the prior valuation which impacted funding costs.

TABLE 1

ELECTIVE STATE OFFICERS RETIREMENT FUND

ACCOUNTING BALANCE SHEET
(DOLLARS IN THOUSANDS)

JULY 1, 1991

	Market Value	Cost Value
A. ASSETS		
1. Cash, Equivalents, Short-term Securities	$0	$0
2. Investments		
a. Fixed Income	0	0
b. Equity	0	0
c. Real Estate	0	0
3. Equity in Minnesota Post-Retirement Investment Fund (MPRIF)	0	0
4. Other	310	310
B. TOTAL ASSETS	$310	$310
C. AMOUNTS CURRENTLY PAYABLE	$2	$2
D. ASSETS AVAILABLE FOR BENEFITS		
1. Member Reserves	$306	$306
2. Employer Reserves	(950)	(950)
3. MPRIF Reserves	0	0
4. Non-MPRIF Reserves	952	952
5. Total Assets Available for Benefits	$308	$308
E. TOTAL AMOUNTS CURRENTLY PAYABLE AND ASSETS AVAILABLE FOR BENEFITS	$310	$310

F. DETERMINATION OF ACTUARIAL VALUE OF ASSETS		
1. Cost Value of Assets Available for Benefits (D5)		$308
2. Market Value (D5)	$308	
3. Cost Value (D5)	308	
4. Market Over Cost: (F2-F3)	$0	
5. 1/3 of Market Over Cost: (F4)/3		0
6. Actuarial Value of Assets (F1+F5) (Same as "Current Assets")		$308

TABLE 2

ELECTIVE STATE OFFICERS RETIREMENT FUND

CHANGE IN ASSETS AVAILABLE FOR BENEFITS
(DOLLARS IN THOUSANDS)

YEAR ENDING JUNE 30, 1991

		Market Value	Cost Value
A.	ASSETS AVAILABLE AT BEGINNING OF PERIOD	$351	$351
B.	OPERATING REVENUES		
	1. Member Contributions	$38	$38
	2. Employer Contributions	0	0
	3. Investment Income	0	0
	4. MPRIF Income	0	0
	5. Net Realized Gain (Loss)	0	0
	6. Other	40	40
	7. Net Change in Unrealized Gain (Loss)	0	0
	8. Total Revenue	$78	$78
C.	OPERATING EXPENSES		
	1. Service Retirements	$119	$119
	2. Disability Benefits	0	0
	3. Survivor Benefits	0	0
	4. Refunds	0	0
	5. Expenses	2	2
	6. Other	0	0
	7. Total Disbursements	$121	$121
D.	OTHER CHANGES IN RESERVES	0	0
E.	ASSETS AVAILABLE AT END OF PERIOD	$308	$308

TABLE 3

ELECTIVE STATE OFFICERS RETIREMENT PLAN

ACTIVE MEMBERS AS OF JUNE 30, 1991

	YEARS OF SERVICE								
AGE	≤1	1-4	5-9	10-14	15-19	20-24	25-29	30+	ALL
<25									
25-29									
30-34									
35-39									
40-44	1								1
45-49	1		2						3
50-54									
55-59				1	1				2
60-64									
65+									
ALL	2		2	1	1				6

AVERAGE ANNUAL EARNINGS

	YEARS OF SERVICE								
AGE	≤1	1-4	5-9	10-14	15-19	20-24	25-29	30+	ALL
<25									
25-29									
30-34									
35-39									
40-44	29,335								29,335
45-49	26,892		69,572						55,345
50-54									
55-59				83,036	58,192				70,614
60-64									
65+									
ALL	28,114		69,572	83,036	58,192				56,099

	PRIOR FISCAL YEAR EARNINGS (ACTUAL DOLLARS) BY YEARS OF SERVICE								
AGE	≤1	1-4	5-9	10-14	15-19	20-24	25-29	30+	ALL
ALL	56,228		139,144	83,036	58,192				336,594

ELECTIVE STATE OFFICERS RETIREMENT PLAN

SERVICE RETIREMENTS AS OF JUNE 30, 1991

	YEARS RETIRED							
AGE	≤1	1-4	5-9	10-14	15-19	20-24	25+	ALL
<50								
50-54								
55-59								
60-64	1							1
65-69								
70-74								
75-79				2				2
80-84								
85+								
ALL	1			2				3

AVERAGE ANNUAL BENEFIT

	YEARS RETIRED							
AGE	≤1	1-4	5-9	10-14	15-19	20-24	25+	ALL
<50								
50-54								
55-59								
60-64	38,123							38,123
65-69								
70-74								
75-79				16,429				16,429
80-84								
85+								
ALL	38,123			16,429				23,660

	TOTAL ANNUAL BENEFIT (ACTUAL DOLLARS) BY YEARS RETIRED							
AGE	≤1	1-4	5-9	10-14	15-19	20-24	25+	ALL
ALL	38,123			32,858				70,980

TABLE 5

ELECTIVE STATE OFFICERS RETIREMENT PLAN

SURVIVORS AS OF JUNE 30, 1991

	YEARS SINCE DEATH							
AGE	≤1	1-4	5-9	10-14	15-19	20-24	25+	ALL
<50								
50-54								
55-59								
60-64								
65-69								
70-74								
75-79				2	1			3
80-84								
85+						1		1
ALL				2	1	1		4

AVERAGE ANNUAL BENEFIT

	YEARS SINCE DEATH							
AGE	≤1	1-4	5-9	10-14	15-19	20-24	25+	ALL
<50								
50-54								
55-59								
60-64								
65-69								
70-74								
75-79				10,445	14,240			11,710
80-84								
85+						8,121		8,121
ALL				10,445	14,240	8,121		10,813

	TOTAL ANNUAL BENEFIT (ACTUAL DOLLARS) BY YEARS SINCE DEATH							
AGE	≤1	1-4	5-9	10-14	15-19	20-24	25+	ALL
ALL				20,890	14,240	8,121		43,252

ELECTIVE STATE OFFICERS RETIREMENT FUND

RECONCILIATION OF MEMBERS

		Actives	Terminated Deferred Retirement	Terminated Other Non-Vested
A.	ON JUNE 30, 1990	6	6	0
B.	ADDITIONS	2	1	0
C.	DELETIONS			
	1. Service Retirement	(1)	0	0
	2. Disability	0	0	0
	3. Death	0	0	0
	4. Terminated - Deferred	(1)	0	0
	5. Terminated - Refund	0	0	0
	6. Terminated - Other Non-Vested	0	0	0
	7. Returned as Active	0	0	0
	8. Transferred to Other Fund	0	0	0
D.	DATA ADJUSTMENTS	0	0	0
	Vested	3		
	Non-Vested	3		
E.	TOTAL ON JUNE 30, 1991	6	7	0

		Recipients Retirement Annuitants	Recipients Disabled	Recipients Survivors
A.	ON JUNE 30, 1990	3	NA	5
B.	ADDITIONS	1	0	1
C.	DELETIONS			
	1. Service Retirement	0	0	0
	2. Death	(1)	0	(2)
	3. Annuity Expired	0	0	0
	4. Returned as Active	0	0	0
D.	DATA ADJUSTMENTS	0	0	0
E.	TOTAL ON JUNE 30, 1991	3	NA	4

ELECTIVE STATE OFFICERS RETIREMENT FUND

ACTUARIAL BALANCE SHEET
(DOLLARS IN THOUSANDS)

JULY 1, 1991

		Non-Vested	Vested	Total
A.	CURRENT ASSETS (TABLE 1, F6)			$308
B.	EXPECTED FUTURE ASSETS			
	1. Present Value of Expected Future Statutory Supplemental Contributions (See Table 11)			$0
	2. Present Value of Future Normal Costs			326
	3. Total Expected Future Assets			$326
C.	TOTAL CURRENT AND EXPECTED FUTURE ASSETS			$634
D.	CURRENT BENEFIT OBLIGATIONS	Non-Vested	Vested	Total
	1. Benefit Recipients			
	a. Retirement Annuities		$609	$609
	b. Disability Benefits		0	0
	c. Surviving Spouse and Child Benefits		343	343
	2. Deferred Retirements With Future Augmentation		527	527
	3. Former Members Without Vested Rights		0	0
	4. Active Members			
	a. Retirement Annuities	8	431	439
	b. Disability Benefits	0	0	0
	c. Survivor's Benefits	16	0	16
	d. Deferred Retirements	17	192	209
	e. Refund Liability Due to Death or Withdrawal	0	17	17
	5. Total Current Benefit Obligations	$41	$2,119	$2,160
E.	EXPECTED FUTURE BENEFIT OBLIGATIONS			$415
F.	TOTAL CURRENT AND EXPECTED FUTURE BENEFIT OBLIGATIONS			$2,575
G.	CURRENT UNFUNDED ACTUARIAL LIABILITY (D5-A)			$1,852
H.	CURRENT AND FUTURE UNFUNDED ACTUARIAL LIABILITY (F-C)			$1,941

ELECTIVE STATE OFFICERS RETIREMENT FUND

DETERMINATION OF UNFUNDED ACTUARIAL ACCRUED LIABILITY (UAAL) AND SUPPLEMENTAL CONTRIBUTION RATE (DOLLARS IN THOUSANDS)

JULY 1, 1991

	Actuarial Present Value of Projected Benefits (1)	Actuarial Present Value of Future Normal Costs (2)	Actuarial Accrued Liability (3)=(1)-(2)
A. DETERMINATION OF ACTUARIAL ACCRUED LIABILITY (AAL)			
1. Active Members			
a. Retirement Annuities	$709	$110	$599
b. Disability Benefits	0	0	0
c. Survivor's Benefit	24	12	12
d. Deferred Retirements	324	146	178
e. Refunds Due to Death or Withdrawal	39	58	(19)
f. Total	$1,096	$326	$770
2. Deferred Retirements With Future Augmentation	527		527
3. Former Members Without Vested Rights	0		0
4. Annuitants in MPRIF	0		0
5. Recipients Not in MPRIF	952		952
6. Total	$2,575	$326	$2,249

B. DETERMINATION OF UNFUNDED ACTUARIAL ACCRUED LIABILITY (UAAL)	
1. AAL (A6)	$2,249
2. Current Assets (Table 1, F6)	308
3. UAAL (B1-B2)	$1,941
C. DETERMINATION OF SUPPLEMENTAL CONTRIBUTION RATE	
1. Present Value of Future Payrolls Through the Amortization Date of July 1, 2020	$10,136
2. Supplemental Contribution Rate (B3/C1)	19.15%

ELECTIVE STATE OFFICERS RETIREMENT FUND

CHANGES IN UNFUNDED ACTUARIAL ACCRUED LIABILITY (UAAL)
(DOLLARS IN THOUSANDS)

YEAR ENDING JUNE 30, 1991

A.	UAAL AT BEGINNING OF YEAR	$1,920
B.	CHANGE DUE TO INTEREST REQUIREMENTS AND CURRENT RATE OF FUNDING	
	1. Normal Cost and Expenses	$63
	2. Contribution	(38)
	3. Interest on A, B1 and B2	164
	4. Total (B1+B2+B3)	$189
C.	EXPECTED UAAL AT END OF YEAR (A+B4)	$2,109
D.	INCREASE (DECREASE) DUE TO ACTUARIAL LOSSES (GAINS) BECAUSE OF EXPERIENCE DEVIATIONS FROM EXPECTED	
	1. Salary Increases	($56)
	2. Investment Return	28
	3. MPRIF Mortality	0
	4. Mortality of Other Benefit Recipients	(156)
	5. Other Items	16
	6. Total	($168)
E.	UAAL AT END OF YEAR BEFORE PLAN AMENDMENTS AND CHANGES IN ACTUARIAL ASSUMPTION (C+D5)	$1,941
F.	CHANGE IN ACTUARIAL ACCRUED LIABILITY DUE TO PLAN AMENDMENTS	0
G.	CHANGE IN ACTUARIAL ACCRUED LIABILITY DUE TO CHANGES IN ACTUARIAL ASSUMPTIONS	0
H.	UAAL AT END OF YEAR (E+F+G)	$1,941

ELECTIVE STATE OFFICERS RETIREMENT FUND

DETERMINATION OF CONTRIBUTION SUFFICIENCY
(DOLLARS IN THOUSANDS)

JULY 1, 1991

	Percent of Payroll	Dollar Amount
A. STATUTORY CONTRIBUTIONS - CHAPTER 352C		
1. Employee Contributions	9.00%	$40
2. Employer Contributions	0.00%*	0 *
3. Total	9.00%	$40

* Employer contributions are required to cover the portion of the benefit liabilities which are not funded by the member's accumulated contribution at the time of benefit commencement.

	Percent of Payroll	Dollar Amount
B. REQUIRED CONTRIBUTIONS - CHAPTER 356		
1. Normal Cost		
a. Retirement Benefits	4.32%	$19
b. Disability benefits	0.00%	0
c. Survivors	0.45%	2
d. Deferred Retirement Benefits	6.37%	28
e. Refunds Due to Death or Withdrawal	2.50%	11
f. Total	13.64%	$60
2. Supplemental Contribution Amortization by July 1, 2020 of UAAL	19.15%	84
3. Allowance for Expenses	0.49%	2
4. Total	33.28%	$146
C. CONTRIBUTION SUFFICIENCY (DEFICIENCY) (A3-B4)	-24.28%	($107)

Note: Projected Annual Payroll for Fiscal Year Beginning on July 1, 1991 is $440.

ELECTIVE STATE OFFICERS RETIREMENT PLAN

SUMMARY OF ACTUARIAL ASSUMPTIONS AND METHODS

Interest:

Pre-Retirement: 8.5% per annum

Post-Retirement: 5.0% per annum

Salary Increases:

The statutory salary rate as prescribed in Chapter 345, Article I, Sec. 28, with a 2.5% increase for the 1992-93 fiscal year and 6.5% per year thereafter.

Mortality:

Pre-Retirement:
Male - 1971 Group Annuity Mortality Table
Female - 1971 Group Annuity Mortality Table male rates set back 8 years

Post-Retirement:
Male - Same as above
Female - Same as above

Post-Disability:
Male - N/A
Female - N/A

Retirement Age:

Age 62 or if over age 62, one year from valuation date.

Separation:

Rates based on years of service:

Year	Rate
1	0%
2	0
3	0
4	50
5	0
6	0
7	0
8	50

Disability:

None

Expenses:

Prior year expenses expressed as percentage of prior year payroll.

Return of Contributions:

All employees withdrawing after eight years of service were assumed to leave their contributions on deposit and receive a deferred annuitant benefit.

ELECTIVE STATE OFFICERS RETIREMENT PLAN

SUMMARY OF ACTUARIAL ASSUMPTIONS AND METHODS

Family Composition:	85% of Members are assumed to be married. Female is three years younger than male. Each Member may have up to two dependent children depending on the Member's age. Assume first child born at Member's age 28 and second child born at Member's age 31.
Social Security:	N/A
Benefit Increases After Retirement:	Payment of earnings on retired reserves in excess of 5% accounted for by 5% post-retirement assumptions.
Actuarial Cost Method:	Entry Age Normal Actuarial Cost Method based on earnings and the date the employee entered the plan is applied to all plan benefits. Under this method, Actuarial Gains (Losses) reduce (increase) the Unfunded Actuarial Accrued Liability.
Asset Valuation Method:	Cost Value plus one-third Unrealized Gains or Losses.
Payment on the Unfunded Actuarial Accrued Liability:	A level percentage of payroll each year to the statutory amortization date assuming payroll increases of 6.5% per annum.

TABLE 13

ELECTIVE STATE OFFICERS RETIREMENT PLAN

SUMMARY OF PLAN PROVISIONS

Eligibility: Employment as a "Constitutional Officer".

Contributions

Member: 9% of salary.

Employer: No specified statutory contribution rate. State must contribute an amount equal to the full annuity value at benefit commencement less accumulated member contributions.

Allowable Service: Service while in an eligible position.

Salary: Salary upon which Elective State Officers Retirement Plan contributions have been made.

Average Salary: Average of the five highest successive years of salary.

RETIREMENT

Normal Retirement Benefit

Eligibility: Age 62 and eight years of Allowable Service.

Amount: 2.5% of Average Salary for each year of Allowable Service.

Early Retirement Benefit

Eligibility: Age 60 and eight years of Allowable Service.

Amount: Normal Retirement Benefit based on Allowable Service and Average Salary at retirement date with reduction of 0.5% for each month the Member is under age 62 at time of retirement.

Form of Payment: Life annuity

Benefit Increases: Adjusted by MSRS to provide same increase as MPRIF.

TABLE 13
(Continued)

ELECTIVE STATE OFFICERS RETIREMENT PLAN

SUMMARY OF PLAN PROVISIONS

DISABILITY	None
DEATH	
Surviving Spouse Benefit	
Eligibility:	Death while active or after retirement or with at least eight years of Allowable Service.
Amount:	Survivor's payment of 50% of the retirement benefit of the Member assuming the Member had attained age 62 and had a minimum of eight years of Allowable Service. Benefit is paid for life or until remarriage. A former Member's benefit is augmented the same as a Deferred Annuity to date of death before determining the portion payable to the spouse.
Surviving Dependent Child Benefit	
Eligibility:	Same as spouse's benefit.
Amount:	Benefit for first child is 25% of the retirement benefit (computed as for surviving spouse) with 12.5% for each additional child. Maximum payable (including spouse) is 100% of the retirement benefit. Benefits cease when a child marries or attains age 18 (22 if a full-time student).
Benefit Increases:	Adjusted by MSRS to provide same increase as MPRIF.
TERMINATION	
Refund of Contributions	
Eligibility:	Termination of service.
Amount:	Member's contributions with 5% interest compounded annually if termination occurred before May 16, 1989 and 6% interest compounded annually if termination occurred on or after May 16, 1989. A deferred annuity may be elected in lieu of a refund.

TABLE 13
(Continued)

ELECTIVE STATE OFFICERS RETIREMENT PLAN

SUMMARY OF PLAN PROVISIONS

Deferred Benefit

Eligibility:	Eight years of Allowable Service.
Amount:	Benefit computed under law in effect at termination and increased by the following annual percentage: 0% before 7/1/79; 5% from 7/1/79 to 1/1/81; and 3% thereafter until the annuity begins. Amount is payable as a normal or early retirement.