Materials Related to

Minnesota Public Pension Plan Coverage and Funding

Presented to the House Committees on

Government Operations and Elections State Government Finance

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Minnesota Legislative Commission on Pensions and Retirement Function and Creation

■ Function of the Pension Commission

- The Pension Commission is a joint agency of the Minnesota Legislature.
- The Pension Commission performs four major functions:
 - reviews and makes recommendations to standing legislative committees on pending proposed public pension legislation;
 - ii) conducts ongoing research on pension policy issues;
 - iii) provides legislative oversight for Minnesota's system of over 700 public employee pension plans; and
 - iv) assesses the sufficiency of current public pension plan funding and recommends required modifications.
- The Minnesota Pension Commission is one of almost two dozen state pension commissions nationwide.

Creation of the Pension Commission

Initially established as an Interim Commission

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1943 (Laws 1943, Chapter 449)
1955 (Laws 1955, Chapter 829)
1957 (Extra Session Laws 1957, Chapter 13)
1959 (Extra Session Laws 1959, Chapter 82)
1963 (Laws 1963, Chapter 888, Section 9)
1965 (Laws 1965, Chapter 888, Section 5)
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- No Pension Commission was established during the 1961-1963 Biennium
- Pension Commission established as a permanent entity in 1967 (Laws 1967, Chapter 549; coded as Minnesota Statutes, Section 3.85)
- Pension Commission is the oldest extant Minnesota Legislative Commission

Legislative Commission on Pensions and Retirement Composition

■ Composition of the Pension Commission

- The Commission consists of five members of the House of Representatives and five members of the Senate
- The House members of the Commission are appointed by the Speaker of the House
- The Senate members of the Commission are appointed by the Subcommittee on Committees of the Senate Rules Committee
- 105 legislators have served on the Commission 1943-2006, during 259 two-year terms (including mid-term vacancies that were filled)
- Length of service by Commission members 1943-2006:

Total Years	Number of	Percent
of Service	Members	of Total
1 Year	4	3.81%
2 Years	40	38.10%
3 Years	1	0.95%
4 Years	20	19.05%
6 Years	21	20.00%
7 Years	1	0.95%
8 Years	3	2.86%
10 Years	6	5.71%
11 Years	2	1.90%
12 Years	3	2.86%
16 Years	1	0.95%
18 Years	1	0.95%
20 Years	1	0.95%
22 Years	1	0.95%

• Geographical distribution of Commission members, by membership number and by Commission membership term 1943-2006

	Number of	Percent of	Total	Percent of
	Members	Total Membership	Terms	Total Terms
Duluth	1	1.0%	1	0.4%
St. Paul	15	14.3%	32.5	12.5%
Minneapolis	23	21.9%	63.5	24.5%
Suburban Twin Cities	19	18.1%	49	18.9%
Greater Minnesota	47	44.8%	113	43.6%

Legislative Commission on Pensions and Retirement Operation and Resources

Operation of the Pension Commission

- The Commission Chair sets the general direction of the Commission.
- The Commission Chair has a two-year term.
- The Commission Chair alternates between the House and Senate membership; the Chair and other Commission officers are elected from and by the Commission membership.
- After appointment, the Commission typically meets weekly during the Legislative Session until the initial committee bill hearing deadline.
- During the Interim, the Commission typically meets monthly.
- By longstanding agreement, the House and Senate committees with jurisdiction over pensions refrain from hearing proposed pension legislation until receiving a recommendation from the Commission.
- The Commission recommendation of proposed pension legislation requires a majority vote of the total commission membership of both the House and the Senate; all other Commission actions require simple majority vote of Commission members in attendance.
- The Commission recommendation on proposed pension legislation is typically accompanied by Commission-approved amendments.
- Commission recommended proposed pension legislation is typically consolidated into one or a small number of "Omnibus" Pension Bills.
- Commission recommended proposed pension legislation affecting pension benefits is typically accompanied by an actuarial cost estimate, generally prepared by the actuary retained jointly by the statewide and major local retirement administrations.

Staffing of the Commission

• The Commission employs a permanent staff of 3.5 full-time equivalent positions.

Actuarial Resources

- The official actuarial work for most Minnesota defined benefit plans is prepared by consulting actuarial firms retained by the five statewide or major retirement systems.
- The Commission retains a consulting actuary who reviews the actuarial work prepared by the consulting actuaries retained by the retirement systems and replicates selected actuarial work.

Legislative Commission on Pensions and Retirement Level of Proposed Public Pension Legislation

■ General Level of Public Pension Legislation

- Historically, an average of 78 public pension bills are introduced annually
- Commission typically reviews 85 percent of proposed pension legislation introduced
- Typically, 40 introduced public pension bills annually are ultimately heard in some form by standing committees
- Proposed pension legislation typically covers a broad range of plans and circumstances:
 - 25 percent related to major statewide plans
 - 13 percent related to minor statewide plans
 - 6 percent related to local general employee plans
 - 15 percent related to police and paid fire pension plans
 - 8 percent related to volunteer fire relief associations
 - 20 percent related to individual or small group requests
 - 13 percent related to miscellaneous pension topics

Legislative Commission on Pensions and Retirement Principles of Pension Policy

Preamble

The Legislative Commission on Pensions and Retirement recommends the following statement of principles, which have been developed since 1955, as the basis for evaluating proposed public pension legislation. Problems can be avoided or minimized if a sound set of principles is used as a guideline in developing the various public pension funds and plans.

II. Substantive Principles

A. Purpose of Minnesota Public Pension Plans

- 1. Minnesota public pension plans exist to augment the Minnesota public employer's personnel and compensation system by assisting in the recruitment of new qualified public employees, the retention of existing qualified public employees, and the systematic out-transitioning of existing public employees at the normally expected conclusion of their working careers or the systematic phasing-out of existing employees who are nearing the normally expected conclusion of their full-time working careers by providing, in combination with federal Social Security coverage, personal savings and other relevant financial sources, retirement income that is adequate and affordable.
- 2. Minnesota public pension plans should play their appropriate role in providing financial security to public employees in retirement.
- As Minnesota public employee workforce trends develop, Minnesota public pension plans should be sufficiently flexible to make necessary adaptations.

B. Structure of Minnesota Public Pension Coverage

1. Creation of New Pension Plans

- Minnesota public employers, on their own initiative, without legislative authorization, should not be permitted to establish or maintain new public pension plans, except for volunteer firefighter relief associations.
- b. New pension plans for volunteer firefighters should be organized on a county or comparable regional basis if possible.

2. Mandatory Public Pension Plan Membership

To the extent possible, membership in a public pension plan should be mandatory for the personnel employed on a recurring or regular basis.

3. <u>Consolidation of Public Pension Plans by a Minnesota Public Employer</u>

- The state, with the second largest number of public employee pension plans in the nation, would benefit from a more rational public pension plan structure.
- b. The voluntary consolidation of smaller public pension plans should be encouraged, with the development of county or comparable regional public employee pension plans in place of a large number of small local plans to assist in this consolidation if a statewide public pension plan is deemed to be inappropriate.

- c. In a consolidation or merger of public employee pension funds, there should be no loss of current pension benefits by any member of the consolidating or merging funds.
- d. In a consolidation or merger of public employee pension funds, approval of the affected Boards of Trustees or Directors, the members, and the employers of the consolidating or merging funds should be obtained before the consolidation or merger is finalized.

C. Pension Benefit Coverage

General Preference for Defined Benefit Plans Over Defined Contribution Plans

- Defined benefit plans, where they currently exist, should remain as the primary retirement coverage for Minnesota public employees.
- b. Defined contribution plans are particularly appropriate where interstate portability or private sector-public sector portability is a primary consideration of the public employee group, where the public employee group lacks civil service or analogous employment protections, or where the defined contribution plan is a supplemental pension plan.

2. Social Security Coverage

Except for public employees who are police officers or firefighters, coverage by the federal Old Age, Survivors, Disability and Health Insurance (Social Security) Program should be part of the retirement coverage for Minnesota public employees.

3. Equal Treatment Within Pension Plans

There should be equal pension treatment of public employees in terms of the relationship between benefits and contributions.

4. Appropriate Normal Retirement Ages

The normal retirement age should be set in a reasonable relationship to the employability limits of the average public employee and should differentiate between regular public employees and protective and public safety employees.

5. Appropriate Early Retirement Reductions

Public employee pension plans should not subsidize early retirement benefits and, except for appropriately designed early retirement incentive programs, retirement benefits should be actuarially reduced for retirement before any applicable normal retirement age.

6. <u>Uniformity and Equal Benefit Treatment Among Plans</u>

There should be equal pension treatment in terms of the relationship between benefits and contributions among the various plans and, as nearly as practicable, within the confines of plan demographics, retirement benefits and member contributions should be uniform.

7. Adequacy of Benefits at Retirement

- a. Benefit adequacy requires that retirement benefits respond to changes in the economy.
- The retirement benefit should be adequate at the time of retirement.
- c. Except for local police or firefighter relief associations, the retirement benefit should be related to an individual's final average salary, determined on the basis of the highest five successive years' average salary unless a different averaging period is designated by the Legislature.
- d. Except for local police or firefighter relief associations, the measure of retirement benefit adequacy should be at a minimum of thirty years service, which would be a reasonable public employment career, and at the generally applicable normal retirement age.
- Retirement benefit adequacy must be a function of the Minnesota public pension plan benefit and any Social Security benefit payable on account of Minnesota public employment.

8. Postretirement Benefit Increases

- a. Retirement benefits should be increased during the period of retirement to offset the impact of economic inflation over time in order to maintain a retirement benefit that was adequate at the time of retirement.
- The system of periodic post retirement increases should be funded on an actuarial basis.

9. Portability

To the extent feasible, portability should be established as broadly as possible for employment mobile public employees.

10. Purchases of Prior Service Credit

Purchases of public pension plan credit for periods of prior service should be permitted only if it is determined by the Commission:

- that the period to be purchased is public employment or relates substantially to the public employee's career,
- that the purchase payment amount from the member or from a combination of the member and the current or former employer must equal the actuarial liability to be incurred by the pension plan for the benefit associated with the purchase, appropriately calculated, without the provision of a subsidy from the pension plan unless an error or an omission by the pension plan was responsible for the loss of service credit,
- that the purchase payment amount must include a minimum payment by the member of the equivalent member contributions, plus compound interest from the purchase period to the date of payment unless the employer committed a particularly egregious error,
- that the purchase payment is the responsibility of the member, with the current or former employer authorized to pay some or all of the portion of the payment amount in excess of the minimum member payment amount, unless the employer has some culpability in the circumstances giving rise

to the purchase and then a mandatory employer contribution may be imposed, and

that the purchase must not violate notions of equity.

11. Deadline Extensions and Waivers

Deadline extensions or waivers should be permitted only if, on a case-by-case basis, it is determined that there is a sufficient equitable basis for the extension or waiver, the extension or waiver does not involve broader applicability than the pension plan members making the request, and that the extension or waiver is unlikely to constitute an inappropriate precedent for the future.

12. Vesting Requirement Waivers

Waivers of vesting requirements should be permitted only if, on a case-by-case basis, it is determined that there is a strong equitable argument to grant the waiver for the requesting public employees.

13. Reopening Optional Annuity Elections

Reopenings of optional annuity elections should not be permitted.

14. Benefit Increase Retroactivity

Retroactivity of benefit increases for retirees and other benefit recipients should not be permitted.

Repayment of Previously Paid Benefits and Resumptions of Active Member Status

Repayments of previously paid benefits and resumptions of active member status should not be permitted.

16. <u>Duplicate Public Pension Coverage for the Same Employment</u>

Unless supplemental pension plan coverage is involved, public employees should not have coverage by more than one Minnesota public pension plan for the same period of service with the same public employer.

17. Reemployed Annuitant Earnings Limitations

- a. Limitations on the earnings by reemployed annuitants should apply only to the reemployment of an annuitant by an employing unit that is a participating employer in the same public pension plan from which the annuitant is receiving a pension benefit.
- Reemployed annuitant earnings limitations should be standardized to the extent possible among the various Minnesota public pension plans.

18. Disability Definitions

The definitions of what constitutes a disability giving rise to a disability benefit should be standardized to the extent possible, recognizing the differences in the hazards inherent in various types of employment.

19. <u>Design of Early Retirement Incentive Programs</u>

- a. Early retirement incentive programs can have a valid role to play in the public sector personnel system.
- Early retirement incentive programs should be targeted to situations when a public employer needs to reduce staffing levels beyond normal attrition.

c. Early retirement incentive programs should be financed appropriately, with the cost of the benefits provided under the early retirement incentive program borne wholly by the same public employer that gains any compensation savings from a staffing level reduction, without any subsidy from the affected public pension plan.

20. Future Pension Coverage for Privatized Public Employees

Because of applicable federal regulation, employees of public employers that are privatized should not be allowed to continue public pension plan coverage in the future. Privatized public employees should receive adequate replacement pension coverage and a better resolution of this topic should be raised with appropriate federal government officials.

21. Supplemental Pension Plans

- a. Public employees should be encouraged to engage in personal savings for their retirement.
- The state should assist this process by making personal retirement savings opportunities available to public employees.
- c. Public employers should have an opportunity to elect to provide financial support to established supplemental pension arrangements for their employees.

22. No Intended Ultimate Benefit Diminutions

- In recommending benefit plan modifications, the imposition of reductions in overall benefit coverage for existing pension plan members should not be recommended.
- b. The imposition of a reduction in overall benefit coverage may be imposed for new pension plan members in order to achieve sound pension policy goals.
- c. A reduction in some aspect or aspects of benefit coverage may be recommended in combination with a proposed benefit increase or benefit increases in implementing sound pension policy goals.

D. Pension Plan Funding

1. Equal Pension Financing Burden for Generations of Taxpayers

There should be utilized a financing method that will distribute total pension costs fairly among the current and future generations of taxpayers and that will discourage unreasonable benefit demands.

2. Actuarial Funding of Pension Benefits

- Except for statewide retirement plans with small phasing-out memberships, retirement benefits in Minnesota defined benefit plans should be funded on an actuarial basis.
- b. The accruing liability for currently earned pension plan service credit, as measured by the actuarially determined level percentage of covered salary entry age normal cost of the defined benefit pension plan, should be funded on a current basis.
- The administrative expenses of the defined benefit pension plan should be funded on a current basis.

- Retirement plan accrued liabilities and normal cost should be determined using the entry age normal actuarial cost method.
- Pension plan assets should be valued using a method that approaches market values, but smoothes out short-term volatility.
- f. Unfunded actuarial accrued liabilities of a defined benefit pension plan, determined by subtracting the actuarial value of assets from the calculated actuarial accrued liability, should be amortized over an extended period of time, but should not exceed thirty years.
- g. A portion of any amount by which the actuarial value of assets exceed the actuarial accrued liabilities of a defined benefit plan should be recognized as a credit against the normal cost, and the amount of the credit should be calculated in the same manner as if it were an amortization contribution with a 30-year amortization target date.

3. Allocation of Funding Burden Between Members and Employers

- The actuarial cost of retirement benefit coverage should be financed on a shared basis between the public employee and the public employer.
- b. For general public employee retirement plans that are not closed to new members, the employee and employer should make matching contributions to meet the normal cost and the administrative expenses of the defined benefit pension plan. Both the employee and the employer also may be required to share some financial responsibility for funding the amortization requirement of the defined benefit pension plan.
- c. For general public employee retirement plans that are closed to new members, the employee and employer contributions should be set based on the contribution structure of analogous retirement plans.
- d. For protective and public safety employees covered by a statewide public pension plan, the employee should pay forty percent of the total actuarial costs of the defined benefit pension plan and the employer should pay sixty percent of the total actuarial costs of the defined benefit pension plan.
- e. For protective and public safety employees covered by a local relief association, employee and employer contributions should be considered in light of the special circumstances and history unique to that association. Employees should pay an appropriate portion of the normal cost and administrative expenses of the relief association.
- Actuarial reporting laws should be structured to permit easy application and monitoring of any contribution policy.

4. Funding of Postretirement Adjustments

- a. Ad hoc postretirement adjustments should be funded separately from the regular defined benefit public pension plan financing and should not be added to the unfunded actuarial accrued liability of the defined benefit public pension plan.
- Automatic postretirement adjustment mechanisms should be funded on an actuarial basis as part of the actuarial requirements and contribution structure of the defined benefit public pension plan.

5. Appropriate Basis for Actuarial Assumption Changes

- Actuarial assumption changes should only be based on the results of the gain and loss analyses in the regular actuarial valuation reports and the results of a periodic experience study.
- Actuarial assumption changes should stand on their own merit, and should not be changed solely to improve benefits or to lower contribution rates.

6. <u>Appropriate Basis for Modifying Contribution Rates</u>

Member and employer contribution rates should only be modified based on the trend in total support rate deficiency or sufficiency revealed in the regular actuarial valuation reports.

E. Pension Plan Investments

1. Appropriate Investment of Public Pension Assets

- a. Public pension plan investment authority should be as uniform as is practicable.
- b. Public pension plan investments should be made in accord with the prudent person rule.
- c. Public pension plan investment authority should be further regulated by a list of authorized investment types, which should appropriately differentiate between pension plans based on asset size and investment expertise.
- Written investment policies should be maintained for the investment of public pension plan assets.
- Public pension plans should regularly report on their investments, including performance.

2. Sole Membership Benefit Dedication of Plan Assets

Recognizing that public pension plan assets exist to defray current and future pension benefit payments, public pension plan assets should be dedicated to the sole benefit of the plan membership in their investment and expenditure.

F. Compliance With Federal Pension Plan Regulation

Consistent with the principles of federalism, dual sovereignty, and comity among governmental entities, public pension plan provisions and administrative operations and activities should attempt to comply with applicable federal pension plan regulation in order to maintain the tax qualified status of public pension plans.

G. Public Pension Plan Fiduciary Responsibility

1. Strong Fiduciary Responsibility Standards

Public pension plan activities should be conducted in accord with strong fiduciary responsibility standards and regulation.

2. Remedies for Fiduciary Breach

Failures to conduct public pension plan activities in accord with the applicable fiduciary responsibility standards and regulation should be subject to appropriate fiduciary breach remedies.

III. Procedural Principles of Pension Policy

A. Adequate Pension Funding

1. Pre-Existing Funding

No proposed increase in pension benefits for any public pension plan should be recommended by the Legislative Commission on Pension and Retirement until there is established adequate financing to cover the pre-increase normal cost, administrative expense, and amortization contribution requirements of the defined benefit public pension plan calculated according to the applicable actuarial reporting law.

2. Funding Increase

No proposed increase in pension benefits for any defined benefit public pension plan should be recommended by the Legislative Commission on Pensions and Retirement unless there is included, in the proposal, adequate financing to meet any resulting increase in the normal cost and amortization contribution requirements of the defined benefit public pension plan that are estimated by the applicable actuary to result from adopting the proposed benefit increase.

B. Preference for General Legislation

No pension legislation of local or special limited application should be recommended by the Legislative Commission on Pensions and Retirement if the purpose and the intent of the proposed legislation would be better served by legislation of general statutory application or if the proposed legislation constitutes a significant departure from previously established uniform pension policy. Pension legislation affecting local police or salaried firefighters may be recommended by the Legislative Commission on Pensions and Retirement in light of any special circumstances that are unique to the relief association.

C. Explicit Application of Principles of Pension Policy

1. Measurement Against Principles

Each proposed change in retirement benefits or financing should be measured by the Legislative Commission on Pension and Retirement against the current principles of pension policy as part of its consideration to insure that there is adherence to sound pension policy.

2. Formal Reporting of Consistency

The Commission's determination concerning compliance with the principles of pension policy should be a part of the Commission's formal report of its recommendations on proposed public pension legislation.

Minnesota Public Pension Plans

Defined Benefit Plans and Defined Contribution Plans

Minnesota Defined Benefit Plans

A. Statewide Plans

- General State Employees Retirement Plan of the Minnesota State Retirement System (MSRS-General)
- 2. MSRS Correctional State Employees Retirement Plan (MSRS-Correctional)
- 3. State Patrol Retirement Plan
- 4. Judges Retirement Plan
- 5. Legislators Retirement Plan
- 6. Elected State Officers Retirement Plan
- 7. Military Affairs Personnel Retirement Plan
- 8. Department of Transportation Pilots Retirement Plan
- 9. State Fire Marshal Division Arson Investigators Retirement Plan
- 10. General Employee Retirement Plan of the Public Employees Retirement Association (PERA-General)
- 11. Public Employees Police and Fire Retirement Plan (PERA-P&F)
- 12. Local Government Correctional Service Retirement Plan (PERA-Correctional)
- 13. Teachers Retirement Association (TRA)
- 14. University of Minnesota Faculty Supplemental Retirement Plan

B. Local Plans

- 1. Duluth Teachers Retirement Fund Association (DTRFA)
- St. Paul Teachers Retirement Fund Association (SPTRFA)
- 3. Fairmont Police Relief Association
- 4. Minneapolis Firefighters Relief Association
- 5. Minneapolis Police Relief Association
- 6. Virginia Fire Department Relief Association
- 7. Various volunteer firefighter relief associations

Minnesota Defined Contribution Plans

A. Statewide Plans

- 1. MSRS Unclassified Employees Retirement Program (MSRS-Unclassified)
- 2. Higher Education Individual Retirement Account Plan (MnSCU-IRAP)
- 3. Higher Education Supplemental Retirement Plan (MnSCU-Supplemental)
- 4. PERA Defined Contribution Retirement Plan
- 5. Ambulance Service Personnel Longevity Plan
- 6. University of Minnesota Faculty Retirement Plan

B. Local Plans

- 1. Hennepin County Supplemental Retirement Plan
- 2. Various volunteer firefighter relief associations
- 3. Various Housing and Redevelopment Authority (HRA) retirement plans

Minnesota Public Pension Plans **Growth and Development**

- The earliest Minnesota public pension plans were the St. Paul Fire Department Relief Association, incorporated in 1868, the Minneapolis Fire Departmental Relief Association, incorporated in 1874, and the Fergus Falls Fire Department Relief Association, also incorporated in 1874.
- All Minnesota public pension plans established before 1900 were public safety plans.
- Minnesota public pension plans were created on patchwork basis, generally covering uncovered groups rather than reorganizing existing plan coverage.
- The first general employee retirement plans were teacher retirement plans (Duluth Teachers Retirement Fund Association (DTRFA) in 1910, Minneapolis Teachers Retirement Fund Association (MTRFA) in 1910, St. Paul Teachers Retirement Fund Association (SPTRFA) in 1910, and the Teachers Insurance and Retirement Fund in 1915).
- The first statewide retirement plans were the Teachers Insurance and Retirement Fund in 1915, the State Employees Retirement Association (now MSRS-General) in 1929, and the Public Employees Retirement Association (PERA) in 1931.
- The first retirement plan to default was the Teachers Insurance and Retirement Fund. Plan was replaced by the Teachers Retirement Association (TRA) in 1931.
- The latest retirement plans were established in 1999 (State Fire Marshal Arson Investigator Retirement Plan and the local Government Correctional Retirement Plan).
- Retirement plan creation, count by decade:

1860's	1	1930's	11
1870's	0	1940's	23
1880's	3	1950's	11
1890's	6	1960's	12
1900's	6	1970's	3
1910's	8	1980's	5
1920's	2	1990's	2

 Some retirement plans have been closed to new entrants, with replacement coverage by another public pension plan or benefit program (Minneapolis Employees Retirement Fund (MERF), St. Paul Teachers Retirement Fund Association (SPTRFA)-Basic Program, Duluth Teachers Retirement Fund Association (DTRFA)-Old Law Program, Minneapolis Firefighters Relief Association, Minneapolis Police Relief Association, Fairmont Police Relief Association, and Virginia Fire Department Relief Association).

Minnesota Public Pension Plans **Growth and Development**

- Many retirement plans have been merged into another plan:
 - Game Wardens Retirement Plan and State Police Retirement Plan into the State Patrol Retirement Plan;
 - County and Probate Court Judges Retirement Plan, District Court Judges Retirement Plan, and Supreme Court Justices Retirement Plan into the Uniform Judicial Retirement Plan;
 - Attorney General Retirement Plan and State Auditor Retirement Plan into the Elected State Officers Retirement Plan;
 - Supreme Court Clerk Retirement Plan into the Unclassified Employees Retirement Program of the Minnesota State Retirement System (MSRS-Unclassified);
 - St. Paul Bureau of Health Relief Association into the General Employees Retirement Plan of the Public Employees Retirement Association (PERA-General);
 - Fridley Paid Firefighters Relief Association, Cloquet Firefighters Relief Association, Eveleth Paid Firefighters Relief Association, Eveleth Police Relief Association, Thief River Falls Police Relief Association, Brooklyn Center Police Relief Association, Moorhead Firefighters Relief Association, and Moorhead Police Relief Association into the Public Employees Police and Fire Retirement Plan (PERA-P&F), 1973-1985;
 - Metropolitan Transit Commission Transit Operating Division Retirement Plan into the General State Employees Retirement Plan of the Minnesota State Retirement System (MSRS-General);
 - University of Minnesota Police Retirement Plan into the Public Employees Police and Fire Retirement Plan (PERA-P&F);
 - 44 local police or paid firefighter relief associations into the Public Employees Police and Fire Retirement Plan (PERA-P&F), 1987-1998;
 - Minneapolis Teachers Retirement Fund Association (MTRFA) into the Teachers Retirement Association (TRA); and
 - Minneapolis Employees Retirement Fund (MERF) into the General Employees
 Retirement Plan of the Public Employees Retirement Association (PERA-General).

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Minnesota Public Pension Plans Establishment

Statewide Pension Plans	Establishment Date
General State Employees Retirement Plan (MSRS-General)	1929
Correctional Employees Retirement Plan (MSRS-Correctional) 1	1973
Game Wardens Retirement Plan ²	1955
State Police Retirement Plan ³	1961
State Patrol Retirement Plan	1943
Legislators Retirement Plan ⁴	1965
Attorney General Retirement Plan ⁵	1953
State Auditor Retirement Plan 5	1955
Elective State Officers Retirement Plan (ESO) 53	1967
Supreme Court Justices Retirement Plan ⁶	1943
District Court Judges Retirement Plan ⁶	1949
Probate and County Court Judges Retirement Plan 6	1931
Uniform Judicial Retirement Plan 54	1973
Supreme Court Clerk Retirement Plan 7	1953
Military Affairs Department Personnel Retirement Plan 8	1980
Transportation Department Pilots Retirement Plan 8	1982
State Fire Marshal Division Arson Investigator Retirement Plan 8	1999
Unclassified State Employees Retirement Program (MSRS-Unclassified) 9	1971
Metropolitan Transit Commission-Transit Operating Division Retirement Plan 10	1944
Public Employees Retirement Plan (PERA-General)	1931
Public Employees Police and Fire Retirement Plan (PERA-P&F) 11	1959
Local Government Correctional Employees Retirement Plan 12	1987/1999
PERA Defined Contribution Retirement Plan 13	1987
University of Minnesota Police Retirement Plan ¹⁴ Teachers Insurance and Retirement Plan ¹⁵	1969
Teachers Retirement Plan (TRA)	1915
State University and Community College Supplemental Retirement Plan	1931
Individual Retirement Account Plan (IRAP) 16	1965
maividual Netherit Account Flan (INAF)	1988
Local General Employee Pension Plans	Establishment Date
Minneapolis Employees Retirement Plan (MERF) 17	1919
St. Paul Bureau of Health Relief Association 18	1919
Hennepin County Supplemental Retirement Plan ¹⁹	1969
Duluth Teachers Retirement Plan (DTRFA) 20	1910
Minneapolis Teachers Retirement Plan (MTRFA) 58	1910
St. Paul Teachers Retirement Plan (SPTRFA) 20	1910
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Local Police and Salaried Firefighters Pension Plans	Establishment Date
Albert Lea Firefighters Relief Association ²¹	1895
Albert Lea Police Relief Association 22	1943
Anoka Police Relief Association ²³	1948
Austin Firefighters Relief Association ²⁴	1909
Austin Police Relief Association 49	1943
Bloomington Firefighters Relief Association ⁵⁵	1947
Bloomington Police Relief Association ²¹	1960
Brainerd Police Relief Association ⁴⁷	1952
Brooklyn Center Police Relief Association ²⁵	1967

Minnesota Public Pension Plans Establishment

Local Police and Salaried Firefighters Pension Plans	Establishment Date
Buhl Police Relief Association ²⁶	
Chisholm Firefighters Relief Association ²⁷	1957
Chisholm Police Relief Association 27	1907
Cloquet Fire Department Relief Association 28	1931
Columbia Heights Fire Department Relief Association 29	1941
Columbia Heights Police Relief Association 30	1923
Crookston Fire Department Relief Association 31	1957
Crookston Police Relief Association 56	1902
Crystal Police Relief Association 32	1948
Duluth Firefighters Relief Association 32	1961
Duluth Police Relief Association 33	1887 1905
Eveleth Firefighters Relief Association 34	
Eveleth Police Relief Association 34	1935 1935
Fairmont Police Relief Association 48	1949
Faribault Fire Department Relief Association 22	1897
Faribault Police Relief Association ⁴⁷	
Fridley Firefighters Relief Association 35	1948
Fridley Police Relief Association 50	N/A 1066
Gilbert Supplemental Police Pension Plan 36	1966
Hibbing Firefighters Relief Association 37	1957
Hibbing Police Relief Association 37	1914
Mankato Fire Department Relief Association 38	1930
Mankato Police Relief Association 57	1895
Minneapolis Fire Department Relief Association 52	1947 1868/1874
Minneapolis Police Relief Association 52	
Moorhead Firefighters Relief Association 39	1890
Moorhead Police Relief Association 39	1955
Nashwauk Police Relief Association ⁴⁰	1945
New Ulm Police Relief Association 41	1943 1949
Red Wing Fire Department Relief Association ²³	1892
Red Wing Police Relief Association 27	1948
Richfield Fire Department Relief Association 57	1948
Richfield Police Relief Association 22	1965
Rochester Fire Department Relief Association 42	1891
Rochester Police Relief Association 38	1939
St. Cloud Fire Department Relief Association 43	1906
St. Cloud Police Relief Association 44	1939
St. Louis Park Fire Department Relief Association ³⁷	1948
St. Louis Park Police Relief Association 42	1955
St. Paul Fire Department Relief Association ³²	1868/1885
St. Paul Police Relief Association ²¹	1903
South St. Paul Firefighters Relief Association ²¹	1943
South St. Paul Police Relief Association ⁵⁷	1941
Thief River Falls Police Relief Association 45	1941
Virginia Fire Department Relief Association ⁵¹	1931
Virginia Police Relief Association 47	1935
West St. Paul Fire Department Relief Association 46	1933
West St. Paul Police Relief Association ²¹	1967
The state of the s	1307

Minnesota Public Pension Plans Establishment

Local Police and Salaried Firefighters Pension Plans

Establishment Date

Winona Fire Department Relief Association ³⁷ Winona Police Relief Association ⁴²

1887 1914

Local Volunteer Firefighters Pension Plans

692 volunteer firefighter relief associations as of 12/31/2001

Establishment Date

various years

Employer-Funded Deferred Compensation and Related Plans	Establishment Date
State Deferred Compensation Plan	1971
Prior Lake School District Supplemental Retirement Plan	1967
Bloomington School District Supplemental Retirement Plan	N/A
Edina School District Supplemental Retirement Plan	N/A
Hopkins School District Supplemental Retirement Plan	N/A
Minnetonka School District Supplemental Retirement Plan	N/A
Richfield School District Supplemental Retirement Plan	N/A
St. Louis Park School District Supplemental Retirement Plan	N/A
Wayzata School District Supplemental Retirement Plan	N/A

N/A means establishment year is not available

Notes:

- Before the 1973 creation of the Correctional Employees Retirement Plan, coverage was provided by the General State Employees Retirement Plan.
- ² Game Wardens Retirement Plan was replaced by the State Police Retirement Plan in 1961.
- ³ State Police Retirement Plan consolidated with the State Patrol Retirement Plan in 1969.
- ⁴ Before the 1965 creation of the Legislators Retirement Plan, coverage was provided by the Public Employees Retirement Plan. The plan was closed to new interests as of July 1, 1997, and existing members were permitted to elect coverage by the Unclassified State Employees Retirement Program.
- ⁵ Coverage was shifted to the Elective State Officers Retirement in 1967.
- ⁶ Coverage limited to judges who first assumed judicial office before January 1, 1974.
- Plan was repealed in 1980. Coverage for the membership of the prior plan was transferred to the Unclassified State Employees Retirement Program in 1981, retroactive to the date of initial appointment to employment position.
- ⁸ Before creation of the plan, coverage was provided by the General State Employees Retirement Plan.
- Before creation of the program, coverage was provided by the General State Employees Retirement Plan. Program members retain the option to select General State Employees Retirement Plan benefits if the member has at least ten years of state service.
- ¹⁰ The plan was acquired by the Metropolitan Transit Commission from the prior employer, the Twin City Rapid Transit Co. in 1970. The plan consolidated with the General State Employees Retirement Plan in 1978.
- Before creation of the Public Employees Police and Fire Retirement Plan in 1959, coverage was provided by the Public Employees Retirement Plan. In 1999, the various police and salaried firefighter consolidation accounts were merged into this plan.
- ¹² The 1987 plan was not implemented by any of the counties authorized to do so by 1997 and was repealed. A replacement plan was enacted in 1999.
- ¹³ For local government elected officials added to eligibility for coverage by the plan in 1990, coverage is optional and prior coverage, if any, was by the Public Employees Retirement Plan.
- Before creation of the plan, prior coverage was by the General State Employees Retirement Plan. Plan consolidated into the Public Employees Police and Fire Retirement Plan in 1978.
- ¹⁵ Plan was replaced by the Teachers Retirement Plan.

Minnesota Public Pension Plans Establishment

- ¹⁶ Before creation of the Individual Retirement Account Plan in 1988, coverage was provided by the Teachers Retirement Plan.
- 17 Plan was closed to new entrants as of June 30, 1979. Coverage for applicable employees initially hired after June 30, 1979 is provided by the Public Employees Retirement Plan. Administration of the plan was transferred to PERA on June 30, 2010.
- Plan was closed to new entrants as of December 31, 1969, in favor of the Public Employees Retirement Plan, and short service members and members opting for Social Security coverage were transferred to the Public Employees Retirement Plan. Plan was consolidated into the Public Employees Retirement Plan in 1973.
- ¹⁹ Plan was closed to new entrants and reemployed former members as of April 14, 1982.
- ²⁰ Plan was authorized in 1909, but not implemented until 1910.
- ²¹ Plan was closed to new entrants as of June 15, 1980 and consolidated into the Public Employees Police and Fire Plan in 1993.
- ²² Plan was closed to new entrants as of June 15, 1980 and consolidated into the Public Employees Police and Fire Plan in 1991.
- ²³ Plan was closed to new entrants in 1973 and consolidated into the Public Employees Police and Fire Plan in 1989.
- ²⁴ Plan was closed to new entrants in 1976 and consolidated into the Public Employees Police and Fire Plan in 1998.
- ²⁵ Plan consolidated into the Public Employees Police and Fire Plan in 1978.
- ²⁶ Plan was closed to new entrants in 1976 and consolidated into the Public Employees Police and Fire Plan in 1987.
- ²⁷ Plan was closed to new entrants in 1973, and consolidated into the Public Employees Police and Fire Plan in 1990.
- ²⁸ Plan consolidated into the Public Employees Police and Fire Plan in 1973.
- ²⁹ Plan was closed to new entrants in 1975 and consolidated into the Public Employees Police and Fire Plan in 1994.
- ³⁰ Plan was closed to new entrants in 1977 and consolidated into the Public Employee Police and Fire Plan in 1994.
- ³¹ Plan consolidated into the Public Employees Police and Fire Plan in 1990.
- ³² Plan was closed to new entrants as of June 15, 1980 and consolidated into the Public Employees Police and Fire Plan in 1992.
- ³³ Plan was closed to new entrants as of June 15, 1980 and consolidated into the Public Employees Police and Fire Plan in 1987.
- 34 Coverage for active members was transferred to the Public Employees Police and Fire Plan in 1977 and plan was converted to city-operated trust fund for benefit recipients.
- 35 Coverage for salaried firefighters was transferred to the Public Employees Police and Fire Plan in 1973; Plan continues as volunteer firefighters relief association.
- ³⁶ Plan coverage was terminated in 1973.
- ³⁷ Plan was closed to new entrants as of June 15, 1980 and consolidated into the Public Employees Police and Fire Plan in 1989.
- ³⁸ Plan was closed to new entrants in 1971 and consolidated into the Public Employees Police and Fire Plan in 1990.
- ³⁹ Plan was closed to new entrants as of June 15, 1980 and consolidated into the Public Employees Police and Fire Plan in 1985.
- ⁴⁰ Coverage for active members was transferred to the public Employees Police and Fire Plan in 1969 and plan operates as trust fund for benefit recipients.
- ⁴¹ Plan was closed to new entrants in 1974 and consolidated into the Public Employee Police and Fire Plan in 1994.
- ⁴² Plan was closed to new entrants as of June 15, 1980 and consolidated into the Public Employees Police and Fire Plan in 1990.
- ⁴³ Plan was closed to new entrants in 1974 and consolidated into the Public Employees Police and Fire Plan in 1989.
- ⁴⁴ Plan was closed to new entrants in 1973 and consolidated into the Public Employees Police and Fire Plan in 1997.
- ⁴⁵ Coverage for active members was transferred to the Public Employees Police and Fire Plan in 1978 and plan was converted to city-operated trust fund for benefit recipients.
- ⁴⁶ Plan was closed to new entrants as of June 15, 1980, and consolidated into the Public Employees Police and Fire Plan in 1988.
- ⁴⁷ Plan was closed to new entrants as of June 15, 1980 and consolidated into the Public Employees Police and Fire Plan in 1996.
- ⁴⁸ Plan was closed to new entrants in 1977.
- ⁴⁹ Plan was closed to new entrants in 1976 and consolidated into the Public Employees Police and Fire Plan in 1993.
- ⁵⁰ Plan was closed to new entrants in 1977 and consolidated into the Public Employees Police and Fire Plan in 1993.
- ⁵¹ Plan was closed to new entrants in 1974.
- ⁵² Plan was closed to new entrants as of June 15, 1980.
- Fig. 53 Plan was closed to new entrants as of July 1, 1997. Existing members were permitted to elect coverage by the Unclassified State Employees Retirement Program.
- Judges who reach the service credit maximum in the Judges Retirement Plan are covered by the Unclassified State Employees Retirement Program for future service (employee contribution only).
- The plan covers volunteer firefighters, but because it provides benefits based on the salary of a top grade Bloomington police officer, with post-retirement escalation, the plan is considered to be a salaried firefighter pension plan.
- ⁵⁶ The plan was closed to new entrants in 1980 and consolidated into the Public Employees Police and Fire Plan in 1998.
- ⁵⁷ The plan was closed to new entrants in 1980 and consolidated into the Public Employees Police and Fire Plan in 1997.
- 58 The plan was authorized in 1909, but not implemented until 1910, and the plan was consolidated into the Teachers Retirement Association in June 2006.

Minnesota Public Pension Plans Major and Statewide Plans, Fund and Administration

General State Employees Retirement Plan Military Affairs Personnel Retirement Plan Transportation Dept. Pilots Retirement Plan State Fire Marshal Division Arson Investigators Retirement Plan	Minnesota State Retirement System Minnesota State Retirement System Minnesota State Retirement System Minnesota State Retirement System	State Employees Retirement Fund State Employees Retirement Fund State Employees Retirement Fund	State Board of Investment State Board of Investment
Retirement Plan Transportation Dept. Pilots Retirement Plan State Fire Marshal Division Arson	Retirement System Minnesota State Retirement System Minnesota State	Retirement Fund State Employees	
Retirement Plan State Fire Marshal Division Arson	Retirement System Minnesota State		01.1.5
			State Board of Investment
	redirenter oyetem	State Employees Retirement Fund	State Board of Investment
Correctional State Employees Retirement Plan	Minnesota State Retirement System	Correctional Employees Retirement Fund	State Board of Investment
State Patrol Retirement Plan	Minnesota State Retirement System	State Patrol Retirement Fund	State Board of Investment
Elective State Officers Retirement Plan	Minnesota State Retirement System	None (State General Fund)	N/A
Unclassified State Employees Retirement Program	Minnesota State Retirement System	Minnesota Supplemental Investment Fund	State Board of Investment
Legislators Retirement Plan	Minnesota State Retirement System	None (State General Fund)	State Board of Investment
Judges Retirement Plan	Minnesota State Retirement System	Judges Retirement Fund	State Board of Investment
Public Employees Retirement Plan	Public Employees Retirement Association	Public Employees Retirement Fund	State Board of Investment
Public Employees Police and Fire Plar	Public Employees Retirement Association	Public Employees Police and Fire Fund	State Board of Investment
Public Employees Local Government Correctional Service Retirement Plan	Public Employees Retirement Association	Local Government Correctional Service Retirement Fund	State Board of Investment
Ambulance Service Personnel Longevity Plan	Emergency Medical Services Regulatory Board	Minnesota Supplemental Investment Fund	State Board of Investment
Feachers Retirement Plan	Teachers Retirement Association	Teachers Retirement Fund	State Board of Investment
MnSCU Supplemental Retirement Plan	Minnesota State Colleges and Universities Board	Minnesota Supplemental Investment Fund & outside investment vehicles	State Board of Investment/ Outside Vendors
MnSCU Individual Retirement Account Plan	Minnesota State Colleges and Universities Board	Minnesota Supplemental Investment Fund & outside investment vehicles	State Board of Investment/ Outside Vendors
Ouluth Teachers Retirement Plan	Duluth Teachers Retirement Fund Association	Duluth Teachers Retirement Fund	Duluth Teachers Retirement Fund Association Board
St. Paul Teachers Retirement Plan	St. Paul Teachers Retirement Fund Association	St. Paul Teachers Retirement Fund	St. Paul Teachers Retirement Fund Association Board
ninneapolis Employees Retirement Plan	Public Employees Retirement Association	MERF Division of PERA	State Board of Investment

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A. ACTIVE MEMBERSHIP

1.	Number

<u>Plan</u>	<u>1985</u>	1990	<u>1995</u>	2000	2005	<u>2010</u>
MSRS-General	45,590	49,576	49,705	47,920	47,125	48,494
PERA-General	86,312	102,664	126,612	135,560	142,303	140,389
TRA	<u>58,533</u>	_64,324	67,558	70,508	74,552	77,356
Subtotal	190,435	216,564	243,875	253,988	263,980	266,239
MSRS-Correctional	1,191	1,416	2,117	3,098	3,607	4,268
State Patrol	764	788	803	830	831	848
PERA-P&F	4,928	6,136	7,380	9,627	10,235	11,002
P&F Consolidation Accounts		287	1,061			
Local Govt. Correctional				<u>2,781</u>	<u>3,352</u>	_3,521
Subtotal	6,883	8,627	11,361	16,336	18,025	19,639
Legislators	201	201	198	173	78	47
Elected State Officers	6	6	6	0	0	0
Judges	<u>240</u>	<u> 262</u>	<u>271</u>	<u>282</u>	<u>295</u>	<u>312</u>
Subtotal	447	469	475	455	373	359
MERF Division of PERA ¹	3,812	2,730	2,036	1,152	462	143
DTRFA	1,182	1,553	1,512	1,441	1,164	1,054
MTRFA	2,758	3,252	4,686	5,777	4,756	2
SPTRFA	<u>2,888</u>	<u>3,343</u>	3,742	4,445	4,349	<u>3,749</u>
Subtotal	6,828	8,148	9,940	11,663	10,269	4,803

2. Average Covered Salary

<u>Plan</u>	<u>1985</u>	<u>1990</u>	1995	2000	2005	<u>2010</u>
MSRS-General	\$23,667	\$30,529	\$32,425	\$39,652	\$44,235	\$51,213
PERA-General	16,497	20,203	23,149	26,577	31,840	36,761
TRA	23,811	30,030	34,416	39,906	45,459	52,324
Group Average	\$20,462	\$25,486	\$28,161	\$32,744	\$37,899	\$43,915
MSRS-Correctional	\$26,075	\$33,245	\$33,549	\$41,174	\$40,861	\$48,166
State Patrol	33,830	43,684	49,611	62,627	66,356	79,230
PERA-P&F	28,251	35,206	42,532	51,328	61,144	72,275
P&F Consolidation Accounts		37,928	50,216			
Local Govt. Correctional				29,061	_38,554	_48,479
Group Average	\$28,494	\$35,749	\$42,076	\$46,186	\$53,124	\$63,070
Legislators	\$22,423	\$31,987	\$36,326	\$34,932	\$40,573	\$41,925
Elected State Officers	61,000	71,270	75,374			
Judges	<u>64,671</u>	<u> 78,862</u>	<u>86,453</u>	99,949	121,832	_132,582
Group Average	\$45,624	\$58,676	\$65,418	\$75,228	\$104,840	\$120,713
MERF Division of PERA ¹	\$26,165	\$33,949	\$40,986	\$47,068	\$57,608	\$62,116
DTRFA	\$26,415	\$26,109	\$32,054	\$36,851	\$48,314	\$52,275
MTRFA ²	31,778	38,064	37,233	44,225	48,614	2
SPTRFA	<u> 26,265</u>	<u>32,869</u>	39,610	42,283	_52,384	64,714
Group Average	\$28,518	\$33,654	\$37,340	\$42,574	\$50,177	\$62,204

¹ Administrative consolidation of MERF into PERA in 2010.

 $^{^{\}rm 2}\,{\rm MTRFA}$ merged into TRA in 2006

A. ACTIVE MEMBERSHIP

3. Average Age						
<u>Plan</u> MSRS-General PERA-General TRA <i>Group Average</i>	1985 39.6 42.2 41.5 41.4	1990 40.9 42.6 42.8 42.3	1995 42.7 43.3 42.9 43.1	2000 44.3 44.4 42.6 43.9	2005 46.0 45.8 43.1 45.1	2010 47.0 47.2 43.5 46.1
MSRS-Correctional State Patrol PERA-P&F P&F Consolidation Accounts Local Govt. Correctional Group Average	36.0 40.5 37.2 37.4	37.5 40.6 37.6 45.9 38.1	38.0 42.3 38.4 48.1 39.5	40.3 40.8 38.7 37.5 38.9	40.5 41.1 39.2 38.8 39.5	41.7 41.8 40.0 40.3 40.5
Legislators Elected State Officers Judges <i>Group Average</i>	45.6 46.2 <u>53.2</u> 49.7	49.4 52.1 <u>52.9</u> 51.4	49.3 52.0 <u>53.0</u> 51.4	53.8 <u>54.4</u> 54.2	58.9 <u>56.2</u> 56.8	63.7 <u>57.1</u> 58.0
MERF Division of PERA ¹	47.6	48.8	51.0	52.9	55.6	60.1
DTRFA MTRFA SPTRFA <i>Group Average</i>	43.5 44.0 <u>42.9</u> 43.4	43.2 44.7 <u>43.3</u> 43.8	43.9 43.3 <u>43.9</u> 43.6	44.1 42.6 <u>43.1</u> 43.0	46.4 44.5 <u>44.1</u> 44.5	47.2 ² 45.5 45.9
4 4						
 Average Service <u>Plan</u> MSRS-General PERA-General TRA Group Average 	1985 8.9 8.1 11.5 9.3	9.6 8.3 12.3 9.8	1995 11.1 8.2 12.5 10.0	2000 11.7 9.0 11.7 10.3	2005 12.7 9.9 11.7 10.9	2010 12.7 11.0 11.9 11.6
<u>Plan</u> MSRS-General PERA-General TRA	8.9 8.1 <u>11.5</u>	9.6 8.3 12.3	11.1 8.2 12.5	11.7 9.0 11.7	12.7 9.9 <u>11.7</u>	12.7 11.0 11.9
Plan MSRS-General PERA-General TRA Group Average MSRS-Correctional State Patrol PERA-P&F P&F Consolidation Accounts Local Govt. Correctional	8.9 8.1 11.5 9.3 7.0 13.7 9.4	9.6 8.3 12.3 9.8 8.1 13.8 10.1 19.7	11.1 8.2 12.5 10.0 7.2 15.1 10.5 22.0	7.8 12.9 11.0 7.8	7.7 12.6 11.3 	12.7 11.0 11.9 11.6 8.4 12.7 12.1 6.4
Plan MSRS-General PERA-General TRA Group Average MSRS-Correctional State Patrol PERA-P&F P&F Consolidation Accounts Local Govt. Correctional Group Average Legislators Elected State Officers Judges	8.9 8.1 11.5 9.3 7.0 13.7 9.4 9.5 5.9 5.9 11.5	9.6 8.3 12.3 9.8 8.1 13.8 10.1 19.7 10.4 8.7 10.2 10.7	11.1 8.2 12.5 10.0 7.2 15.1 10.5 22.0 11.3 8.0 10.3 10.6	11.7 9.0 11.7 10.3 7.8 12.9 11.0 0.9 8.8 11.8 10.9	12.7 9.9 11.7 10.9 7.7 12.6 11.3 3.9 9.3 16.9 11.4	12.7 11.0 11.9 11.6 8.4 12.7 12.1 6.4 10.3 22.0 11.1

¹ Administrative consolidation of MERF into PERA in 2010.

² MTRFA merged into TRA in 2006.

A. ACTIVE MEMBERSHIP

5. <i>i</i>	Average	Member	Contribution
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<u>Plan</u>	1985	1990	1995	2000	2005	2010
MSRS-General	\$891	\$1,267	\$1,320	\$1,586	\$1,769	\$2,561
PERA-General	732	897	998	1,268	1,688	2,252
TRA	<u>1,113</u>	<u>1,375</u>	<u>2,240</u>	<u>1,996</u>	<u>2,273</u>	2,878
<i>Group Average</i>	\$887	\$1,124	\$1,408	\$1,530	\$1,868	\$2,490
MSRS-Correctional State Patrol PERA-P&F P&F Consolidation Accounts Local Govt. Correctional Group Average	\$1,278 2,876 2,260 \$2,158	\$1,629 3,713 2,816 2,849 ————————————————————————————————————	\$1,644 4,426 3,232 3,816 ————————————————————————————————————	\$2,343 5,260 3,182 <u>1,694</u> \$2,875	\$2,325 5,574 4,036 2,248 \$3,432	\$4,142 8,240 6,866 2,826 \$5,609
Legislators	\$2,020	\$2,881	\$3,268	\$3,145	\$3,652	\$3,354
Elected State Officers	5,500	6,333	6,833			
Judges	<u>2,671</u>	<u>3,401</u>	<u>5,498</u>	<u>7,996</u>	<u>9,747</u>	<u>9,997</u>
<i>Group Average</i>	\$2,416	\$3,216	\$4,585	\$6,152		\$9,127
MERF Division of PERA ¹	\$2,551	\$3,310	\$3,996	\$4,773	\$5,617	\$6,056
DTRFA	\$1,188	\$1,175	\$1,763	\$2,027	\$2,657	\$2,930
MTRFA ²	2,517	2,704	2,295	2,699	2,790	
SPTRFA	<u>1,870</u>	<u>2,136</u>	<u>2,338</u>	<u>2,708</u>	<u>3,002</u>	<u>3,598</u>
<i>Group Average</i>	\$2,013	\$2,180	\$2,230	\$2,619	\$2,865	\$3,451

6. Average Employer Contribution

<u>Plan</u>	<u> 1985</u>	1990	1995	2000	2005	<u>2010</u>
MSRS-General	\$956	\$1,310	\$1,362	\$1,586	\$1,769	\$2,561
PERA-General	813	972	1,066	1,385	1,837	2,619
TRA	2,180	2,468	2,804	<u>1,996</u>	2,273	2,972
Group Average	\$1,267	\$1,494	\$1,608	\$1,593	\$1,949	\$2,711
MSRS-Correctional	\$2,269	\$2,085	\$2,103	\$3,286	\$3,261	\$5,828
State Patrol	6,394	6,500	7,382	7,892	8,361	12,360
PERA-P&F	3,390	4,225	4,849	4,773	6,053	10,299
P&F Consolidation Accounts		14,924	5,725			
Local Govt. Correctional				<u>2,543</u>	<u>3,373</u>	4,242
Group Average	\$3,529	\$4,437	\$4,598	\$4,270	\$5,102	\$8,330
Legislators	3	3	3	3	4	4
Elected State Officers	4	4	<u> </u>	4	4	4
Judges	3	\$ <u>14,393</u>	\$ <u>19,018</u>	\$20,489	\$24,976	\$27,179
Group Average						
MERF Division of PERA ¹	\$4,575	\$6,010	\$9,102 ⁵	\$10,457 ⁵	\$18,147 ⁵	\$34,996 ⁵
DTRFA	\$1,530	\$1,512	\$1,856 ⁵	\$2,134 ⁵	\$2,797	\$3,084
MTRFA ²	3,835	3,905	3,650 ³	3,956 ³	4,113 ³	ψο,οο +
SPTRFA	2,781	3,004	3,780 ³	4,058 ³	4,531 ³	_5,449 ³
Group Average	\$2,990	\$3,079	\$3,426	\$3,770	\$4,139	\$4,930

¹ Administrative consolidation of MERF into PERA in 2010.

² MTRFA merged into TRA in 2006.

³ Plan is terminally funded, meaning that the State contribution is made only upon the retirement of each participant.

⁴ Plan is funded on a current disbursements or "pay-as-you-go" basis; the state funds the retirement annuities or benefits monthly when they are done.

⁵ Plan is funded also with a direct State appropriation, excluded from this calculation, which would increase the total employer contribution amount. As part of the 2006 consolidation of MTRFA into TRA, the MTRFA direct State appropriation transferred to TRA.

B. SERVICE RETIREES

1. Number				•		
<u>Plan</u>	1985	1990	1995	2000	2005	2010
MSRS-General	10,464	11,810	14,004	16,276	19,202	23,337
PERA-General	17,277	24,314	31,487	39,940	48,147	59,159
TRA	12,798	16,133	21,458	29,525	35,779	47,517
Subtotal	40,539	52,257	66,949	85,741	103,128	130,013
MSRS-Correctional State Patrol PERA-P&F P&F Consolidation Accounts Local Govt. Correctional Subtotal	309 285 765 1,359	340 346 1,057 248 ———————————————————————————————————	399 401 1,435 1,349 3,584	616 531 3,991 9 5,147	1,025 612 4,668 113 6,418	1,505 684 5,354 <u>308</u> 7,851
Legislators	108	126	155	210	251	279
Elected State Officers	6	3	5	8	11	11
Judges	<u>83</u>	<u>105</u>	<u>131</u>	<u>153</u>	<u>163</u>	<u>170</u>
Subtotal	197	234	291	371	425	460
MERF Division of PERA ¹	3,459	3,688	3,657	3,757	3,737	3,360
DTRFA	562	634	788	937	1,164	1,171
MTRFA ²	2,153	2,254	2,482	3,033	3,537	
SPTRFA	<u>963</u>	<u>1,111</u>	<u>1,334</u>	<u>1,728</u>	<u>2,214</u>	2,721
Subtotal	3,678	3,999	4,604	5,698	6,915	3,892
2. Average Benefit						
<u>Plan</u>	1985	1990	1995	2000	2005	2010
MSRS-General	\$3,784	\$5,891	\$7,898	\$13,103	\$15,624	\$17,383
PERA-General	4,617	6,493	7,696	11,458	12,720	13,332
TRA	6,680	10,781	15,952	26,617	27,756	26,141
Group Average	\$5,053	\$7,681	\$10,381	\$16,990	\$18,477	\$18,741
MSRS-Correctional State Patrol PERA-P&F P&F Consolidation Accounts Local Govt. Correctional Group Average	\$4,966 11,745 8,271 \$8,248	\$7,306 19,066 13,592 17,107 \$13,908	\$11,592 25,865 18,613 23,377 ——————————————————————————————————	\$15,619 43,808 35,115 427 \$33,618	\$20,496 51,456 41,928 <u>2,568</u> \$38,721	\$17,999 57,180 48,027 <u>5,376</u> \$41,395
Legislators	\$6,568	\$8,884	\$11,751	\$17,864	\$20,424	\$21,186
Elected State Officers	13,836	21,009	20,070	26,612	29,088	32,887
Judges	<u>19,880</u>	<u>27,410</u>	<u>35,855</u>	<u>55,729</u>	<u>61,404</u>	<u>65,893</u>
<i>Group Average</i>	\$12,398	\$17,352	\$22,745	\$33,668	\$36,365	\$37,988

MERF Division of PERA1

Group Average

DTRFA

MTRFA²

SPTRFA

\$13,258

\$5,027

14,462

<u>12,384</u> \$12,389 \$16,463

\$9,581

18,737

16,523

\$16,528

\$8,598

\$4,044

7,384

9,422 \$7,407 \$24,148

\$13,853

27,928

26,874

\$25,294

\$30,396

\$16,740

32,820

31,440

\$29,671

\$34,583

\$18,876

32,562

\$28,304

¹ Administrative consolidation of MERF into PERA in 2010.

² MTRFA merged into TRA in 2006.

C. SURVIVORS

· ·							
1.	Number Plan MSRS-General PERA-General TRA Subtotal	1985 537 3,854 <u>781</u> 5,172	1990 899 4,414 929 6,242	1995 1,313 5,260 1,331 7,904	2000 1,955 6,010 1,912 9,877	2005 2,731 6,650 2,597 11,978	2010 3,414 7,120 3,682 14,216
	MSRS-Correctional State Patrol PERA-P&F P&F Consolidation Accounts Local Govt. Correctional Subtotal	8 109 279 396	15 105 347 129 596	25 121 426 580 ———————————————————————————————————	56 157 1,205 0 1,418	104 178 1,261 <u>8</u> 1,551	148 192 1,413 18 1,771
	Legislators Elected State Officers Judges Subtotal	41 3 <u>52</u> 96	37 5 <u>64</u> 106	61 6 <u>77</u> 144	70 5 <u>82</u> 157	70 4 <u>85</u> 159	80 4 <u>94</u> 178
	MERF Division of PERA ¹	938	942	987	1,056	986	840
	DTRFA MTRFA ² SPTRFA Subtotal	23 140 <u>112</u> 275	29 204 <u>129</u> 362	46 225 <u>170</u> 441	53 254 <u>213</u> 520	94 277 <u>259</u> 630	105 <u>300</u> 405
2.	Average Benefit Plan MSRS-General PERA-General TRA Group Average	1985 \$2,828 2,574 5,594 \$3,056	1990 \$4,645 4,475 9,150 \$5,195	\$6,601 6,856 12,990 \$7,847	2000 \$11,405 11,382 21,623 \$13,369	2005 \$14,196 13,548 24,348 \$16,037	2010 \$15,467 15,000 26,983 \$18,216
	MSRS-Correctional State Patrol PERA-P&F P&F Consolidation Accounts Local Govt. Correctional Group Average	\$5,078 4,454 3,886 \$4,066	\$4,501 7,875 6,770 8,453 — \$7,272	\$5,948 13,493 10,864 11,854 \$11,532	\$8,877 22,137 18,867 0 \$18,835	\$10,932 25,452 23,496 4,188 \$22,778	\$11,997 29,902 26,866 4,852 \$25,729
	Legislators Elected State Officers Judges <i>Group Average</i>	\$2,437 7,451 <u>9,888</u> \$6,630	\$4,242 9,874 <u>14,502</u> \$10,702	\$5,537 11,107 <u>20,148</u> \$13,582	\$9,539 20,446 <u>33,899</u> \$22,609	\$12,708 n/r <u>38,772</u> \$27,001	\$15,798 23,816 <u>45,242</u> \$31,527
	MERF Division of PERA ¹	\$5,143	\$8,454	\$11,453	\$17,586	n/r	\$29,788
	DTRFA MTRFA ² SPTRFA <i>Group Average</i>	\$2,638 5,959 <u>5,501</u> \$5,495	\$3,308 10,046 <u>7,376</u> \$8,555	\$7,521 13,672 <u>10,075</u> \$11,644	\$11,528 21,587 <u>19,865</u> \$19,856	\$13,068 27,048 <u>24,984</u> \$24,114	\$16,593 <u>27,723</u> \$24,838

¹ Administrative consolidation of MERF into PERA in 2010.

 $^{^{\}rm 2}\,{\rm MTRFA}$ merged into TRA in 2006.

D. DISABILITANTS

<u>Plan</u> MSRS-General PERA-General TRA Subtotal	1985 695 654 223 1,572	1990 676 708 257 1,641	1995 824 959 379 2,162	2000 1,070 1,397 509 2,976	2005 1,434 1,853 	2010 1,684 2,215 _654 4,553
MSRS-Correctional State Patrol PERA-P&F P&F Consolidation Accounts Local Govt. Correctional Subtotal	12	9	25	75	150	208
	13	14	18	22	35	48
	54	89	146	482	686	859
		16	53			
		<u></u>		<u>3</u>	<u>59</u>	116
	79	128	242	582	930	1,231
Legislators						
Elected State Officers						
Judges	<u>4</u>	9	<u>7</u>	<u>4</u>	<u>7</u>	<u>27</u>
Subtotal	4	9	7	4	7	27
MERF Division of PERA ¹	261	258	240	213	185	143
DTRFA	8	11	7	6	16	19
MTRFA ²	47	40	49	20	25	
SPTRFA	<u>28</u>	<u>30</u>	<u>35</u>	<u>23</u>	<u>32</u>	<u>23</u>
Subtotal	83	81	91	49	73	42

2. Average Benefit

<u>Plan</u>	<u> 1985</u>	1990	1995	2000	2005	2010
MSRS-General	\$2,924	\$4,159	\$5,613	\$9,434	\$11,268	\$12,997
PERA-General	4,911	5,487	6,712	9,077	9,948	10,865
TRA	7,834	10,759	12,743	19,553	19,440	20,167
Group Average	\$4,447	\$5,766	\$7,350	\$10,997	\$11,863	\$12,990
MSRS-Correctional	\$5,879	\$5,018	\$11,946	\$13,865	\$16,176	\$17.579
State Patrol	10,397	14,228	20,528	31,589	38,100	42,239
PERA-P&F	9,030	13,743	17,535	33,378	40,380	44,383
P&F Consolidation Accounts		15,379	21,871		,	
Local Govt. Correctional				10,419	_13,608	16,299
Group Average	\$8,776	\$13,387	\$18,130	\$30,677	\$34,692	\$37,124
Legislators						
Elected State Officers						
Judges	\$19,669	\$25,781	\$35,158	\$68,229	\$69,576	\$71,212
Group Average	\$19,669	\$25,781	\$35,158	\$68,229	\$69,576	\$72,212
MERF Division of PERA ¹	\$6,503	\$9,617	\$12,378	\$18,179	\$22,356	\$25,772
DTRFA	\$3,956	\$6,478	\$11,925	\$11,024	\$15,168	\$13,812
$MTRFA^2$	7,436	11,832	16,485	35,032	33,816	
SPTRFA	<u> 16,640</u>	19,280	23,764	33,018	32,676	_26,129
Group Average	\$10.206	\$13.863	\$18.934	\$31 147	\$29 229	\$20.557

¹ Administrative consolidation of MERF into PERA in 2010.

² MTRFA merged into TRA in 2006.

E. DEFERRED MEMBERS AND INACTIVE MEMBERS

1.	Deferred	Retirees
	Delelled	1/6111662

<u>Plan</u>	<u>1985</u>	<u>1990</u>	<u>1995</u>	2000	<u>2005</u>	2010
MSRS-General	940	1,824	5,518	11,125	13,592	15,388
PERA-General	1,863	2,699	7,156	21,495	35,768	45,151
TRA	<u>2,191</u>	<u>1,955</u>	<u>5,103</u>	<u>7,375</u>	9,808	<u>12,756</u>
Subtotal	4,994	6,478	17,777	39,995	59,168	73,295
MSRS-Correctional	30	113	296	419	738	993
State Patrol	21	23	19	24	34	39
PERA-P&F	163	128	250	470	927	1,315
P&F Consolidation Accounts		3	32			
Local Govt. Correctional				0	915	<u>1,895</u>
Subtotal	214	267	597	913	2,614	4,242
Legislators	111	101	141	90	118	88
Elected State Officers	5	6	5	4	1	1
Judges	7		7	9	_21	_18
Subtotal	123	<u>2</u> 109	153	103	140	107
MERF Division of PERA ¹	101	97	9.0	222	474	400
WENT DIVISION OF FERM	101	97	86	233	174	102
DTRFA	50	42	122	172	313	301
MTRFA ²	562	519	628	756	1,377	
SPTRFA	<u>36</u>	<u>36</u> 597	<u>107</u>	<u>243</u>	<u>1,368</u>	<u>1,863</u>
Subtotal	648	597	857	1,171	3,058	2,164

2. Inactive Members

Plan	1985	1990	1995	2000	2005	2010
MSRS-General	4,957	4,638	5,242	7,772	7,702	6,537
PERA-General	38,986	7,695	9,683	79,362	100,369	126,027
TRA	13,628	15,356	16,411	17,833	19,151	23,651
Subtotal	57,271	27,689	31,336	104,967	127,222	156,215
MSRS-Correctional State Patrol PERA-P&F P&F Consolidation Accounts Local Govt. Correctional Subtotal	79 9 350 <u></u> 438	45 4 121 1 ———————————————————————————————	74 5 141 0 <u></u> 220	163 10 626 0 799	351 14 729 <u>906</u> 2,000	585 14 930 1,605 3,134
Legislators	15	3	9	3	2	1
Elected State Officers	1	0	0	0	0	0
Judges	<u>0</u>	<u>1</u>	<u>1</u>	<u>2</u>	<u>0</u>	0
Subtotal	16	4	10	5	2	1
MERF Division of PERA ¹	197	184	181	0	0	0
DTRFA	0	435	561	575	638	721
MTRFA ²	60	134	895	1,815	3,604	
SPTRFA	<u>1,770</u>	<u>888</u>	<u>1,066</u>	<u>1,697</u>	<u>1,687</u>	<u>1,419</u>
Subtotal	1,830	1,457	2,522	4,087	5,929	2,140

¹ Administrative consolidation of MERF into PERA in 2010.

² MTRFA merged into TRA in 2006.

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State of Minnesota \ LEGISLATIVE COMMISSION ON PENSIONS AND RETIREMENT



Post Retirement Increases

from the

Minnesota Post Retirement Investment Fund (MPRIF) Minnesota State Retirement System (MSRS) Public Employees Retirement Association (PERA) Teachers Retirement Association (TRA)

Minneapolis Employees Retirement Fund (MERF) Minneapolis Teachers Retirement Fund Association (MTRFA) Duluth Teachers Retirement Fund Association (DTRFA) St. Paul Teachers Retirement Fund Association (SPTRFA)

and Increases in the Consumer Price Index (CPI-W)

	Percent Increase							
_Effective Date	CPI ¹	MSRS ²	PERA ²	TRA ²	MERF ²	MTRFA ³	DTRFA 4	SPTRFA 5
	%	%	%	%	%	%	%	%
1/1/10	-0.7	2.5 MPRIF ²	2.5 MPRIF ²	2.5 MPRIF ²	0.00		2.00	0.00
1/1/09	4.1	2.500	2.500	2.500	3.50		2.24	2.50
1/1/08	2.9	2.500	2.500	2.500	2.66868		5.30	2.30
1/1/07	3.2	2.500	2.500	2.500	3.50		2.00	2.00
1/1/06	3.5	2.500	2.500	2.500	2.59039	2.00	2.00	2.00
1/1/05	2.6	2.500	2.500	2.500	3.17372	2.00	2.00	2.00
1/1/04	2.2	2.103	2.103	2.103	2.10347	2.00	2.00	2.00
1/1/03	1.4	0.7450	0.7450	0.7450	0.74456	2.00	2.00	2.00
1/1/02	2.7	4.4935	4.4935	4.4935	5.34299	2.31	5.25	3.70
1/1/01	3.5	9.5342	9.5342	9.5342	10.50999	8.81	10.2391	7.6723
1/1/00	2.2	11.1436	11.1436	11.1436	10.2275	9.67	9.0275	9.2619
1/1/99	1.3	9.8254	9.8254	9.8254	8.0432	7.33	7.0125	7.2145
1/1/98	2.3	10.0876	10.0876	10.0876	6.6680	7.28	6.3407	7.00
1/1/97	2.9	8.0395	8.0395	8.0395	3.9500	6.23	5.6315	
1/1/96	2.9	6.3954	6.3954	6.3954	3.5950	3.85	4.6424	
1/1/95	2.5	3.9850	3.9850	3.9850	3.1440	2.13		
1/1/94	2.8	6.0170	6.0170	6.0170	3.8240	4.50		
1/1/93	2.9	4.5530	4.5530	4.5530	5.9840			
1/1/92	4.1	4.2950	4.2950	4.2950	0.0000			
1/1/91	5.2	5.1000	5.1000	5.1000	5.0790			
1/1/90	4.8	4.0400	4.0400	4.0400	6.9180			
1/1/89	4.0	6.9180	6.9180	6.9180	5.93591			
1/1/88	3.6	8.0540	8.0540	8.0540	9.37158			
1/1/87	1.6	9.7920	9.7920	9.7920	7.5890			
1/1/86	3.5	7.9000	7.9000	7.9000	8.7160			
1/1/85	3.5	6.9050	6.9050	6.9050	7.3370			
1/1/84	3.0	7.4990	7.4990	7.4990	10.77			
1/1/83	6.0	6.8530	6.8530	6.8530	9.17			
1/1/82	10.3	7.4360	7.4360	7.4360				
1/1/81	13.4	3.2090	3.2090	3.2090				
1/1/80	11.4	0.00	0.00	0.00				
1/1/79	7.7	0.00	0.00	0.00				
1/1/78	6.5	4.00	4.00	4.00				
	Note:	These increa	ses are perr	manent incre	eases to retir	ree annuities	5.	

Consumer Price Index for Urban Wage Earners and Clerical Workers (CPI-W) annual average percent change

Updated 2/2010

PostFund

² The MPRIF was abolished and merged with the respective active member funds on June 30, 2009

MTRFA first paid a post retirement adjustment under the new system on 1/1/94. MTRFA was merged into TRA in 2006.

DTRFA first paid a post retirement adjustment under the new system on 1/1/96

⁵ SPTRFA first paid a post retirement adjustment under the new system on 1/1/98

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Nature of Actuarial Funding

- Actuarial funding is a mechanism for:
 - 1. Determining the magnitude of pension liabilities previously undertaken by a defined benefit pension plan;
 - 2. Comparing the current pension plan assets reserved for pension purposes with the accrued pension liabilities amassed by a defined benefit pension plan; and
 - 3. Assessing the adequacy of total annual contribution support to meet the total annual funding requirements of a defined benefit pension plan.
- Actuarial funding differs from non-actuarial pension funding, which is typically represented by current disbursements (pay-as-you-go) funding, as used by the Social Security System historically.
- Many different actuarial funding methods exist and were developed primarily to meet the budgetary needs of a plan sponsor.
- Minnesota utilizes the Entry Age Actuarial Cost Method (or Entry Age Normal Cost Actuarial Cost Method), which emphasizes the determination of a level actuarial cost as a percentage of covered payroll over a plan member's working career.
- Minnesota actuarial reporting produces:
 - 1. A measure of the magnitude of accrued pension liability:

Actuarial Accrued Liability

2. A pension reserve comparison:

Current Assets (actuarial value of assets)

Unfunded Actuarial Accrued Liability Funding Ratio (assets expressed as a percentage of

liabilities)

3. Measure of contribution adequacy:

Funding Requirement

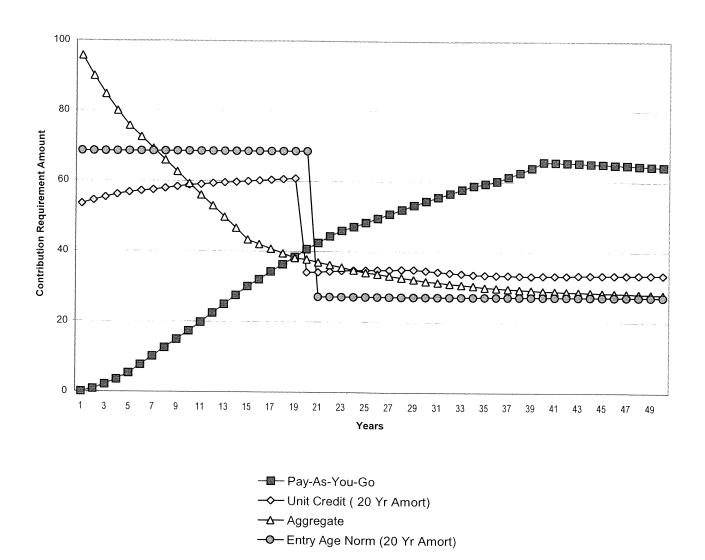
- 1. Normal Cost
- 2. Administrative Expenses
- 3. Supplementary (Amortization) Contribution Total Actuarial Requirement (1. + 2. + 3.)

Contributions

- 4. Member Contributions
- 5. Employer Contributions
- 6. State Aid or Other Regular Funding

Total Contributions (4. + 5. + 6.)

Pattern of Recognizing Pension Costs Over Time Under Various Funding Methods



Source: Robert Tilove, Public Employee Pension Funds, N. Y., Columbia University Press, 1976, pp. 144-145, as adapted from Charles L. Trowbridge, "Fundamentals of Pension Funding," Transactions, Society of Actuaries, Vol. 4, 1952

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Statewide General Employee Plans

Actuarial Valuation Results- Actuarial and Market Value of Assets	Statewide	Statewide General Employee Plans	ns	
	MSRS-General 2010	PERA-General 2010	TRA 2010	Total State General Emplo
A. <u>Membership</u> (1) Active Members (2) Service Retirees	48,494	140,389	956,77	

	MSR	MSRS-General 2010	PER	PERA-General 2010		TRA 2010	Tota General	Total Statewide General Employee Plans 2010
(1) Active Members (2) Service Retrees (3) Disabilitants (4) Survivors (5) Deferred Retirees (6) Nonvested Former Members (7) Total Membership		48,494 23,337 1,684 3,414 15,388 6,537 98,854		140,389 59,159 2,150 7,120 45,151 126,027 380,061		77,356 47,517 654 3,682 12,756 23,651 165,616		266,239 130,013 4,553 14,216 73,295 156,215 644,531
B. <u>Funding and Financing</u> (1) Covered Payroll (2) Benefits Payable		\$2,483,519,000 \$473,447,000		\$5,160,545,000		\$4,047,547,000 \$1,421,382,000		\$11,691,611,000 \$2,801,129,000
(3) Normal Cost(4) Administrative Expenses(5) Normal Cost & Expense	7.77% <u>0.23%</u> 8.00%	\$193,027,000 \$5,712,000 \$198,739,000	6.50% 0.18% 6.68%	\$335,526,000 \$9,289,000 \$344,815,000	8.36% 0.24% 8.60%	\$338,474,000 \$9,714,000 \$348,188,000	7.42% 0.21% 7.63%	\$867,027,000 <u>\$24,715,000</u> \$891,742,000
 (6) Employee Contributions (7) Employer Contributions (8) Employer Add'l Cont. (9) Direct State Funding (10) Other Govt. Funding (11) Administrative Assessment (12) Total Contributions 	5.00% 5.00% 0.00% 0.00% 0.00% 10.00%	\$124,176,000 \$124,176,000 \$0 \$0 \$0 \$0 \$248,352,000	6.13% 7.13% 0.00% 0.00% 0.00% 13.25%	\$316,120,000 \$367,746,000 \$0 \$0 \$6 \$6 \$6 \$6 \$6	5.50% 5.68% 0.00% 0.47% 0.06% 11.71%	\$222,737,000 \$229,799,000 \$19,049,000 \$2,500,000 \$474,085,000	5.67% 6.17% 0.00% 0.16% 0.02% 12.03%	\$663,033,000 \$721,721,000 \$0 \$19,049,000 \$2,500,000 \$1,406,303,000
C. Actuarial Value of Assets (1) Accrued Liability (2) Current Assets (AVA; (3) Unfunded Accr. Liability (AVA) (4) Funding Ratio (AVA)	Actuarial 9	Actuarial Value of Assets \$10,264,071,000 \$8,960,391,000 \$7,303,680,000 87.30%	Actuarial \\ 76.40%	Actuarial Value of Assets \$17,180,956,000 \$13,126,993,000 \$4,053,963,000	Actuarial 78.45%	Actuarial Value of Assets \$22,081,634,000 \$17,323,146,000 \$4,758,488,000	Actuarial	Actuarial Value of Assets \$49,526,661,000 \$39,410,530,000 \$10,116,131,000
(5) Normal Cost & Expense (6) Amortization (AVA; (7) Total Requirements (AVA;	8.00% <u>2.99%</u> 10.99%	\$198,739,000 \$74,200,000 \$272,939,000	6.68% <u>5.78%</u> 12.46%	\$344,815,000 \$298,280,000 \$643,095,000	8.60% 7.11% 15.71%	\$348,188,000 \$287,781,000 \$635,969,000	7.63% <u>5.65%</u> 13.27%	\$891,742,000 \$660,261,000 \$1,552,003,000
(8) Total Requirements (AVA)(9) Total Contributions(10) Deficiency/(Surplus) (AVA)	10.99% 10.00% 0.99%	\$272,939,000 \$248,352,000 \$24,587,000	12.46% 13.25% (0.79%)	\$643,095,000 \$683,866,000 (\$40,771,000)	15.71% 11.71% 4.00%	\$635,969,000 \$474,085,000 \$161,884,000	13.27% 12.03% 1.25%	\$1,552,003,000 \$1,406,303,000 \$145,700,000
(1) Accrued Liability (2) Current Assets (MVA) (3) Unfunded Accr. Liability (MVA) (4) Funding Ratio (MVA)	Market V ; 74.95%	Market Value of Assets \$10,264,071,000 \$ <u>7,692,531,000</u> \$2,571,540,000	Market V a	Market Value of Assets \$17,180,956,000 \$11,338,582,000 \$5,842,374,000	Market V 73.84%	Market Value of Assets \$22,081,634,000 \$16,305,222,000 \$5,776,412,000	Market v 71.35%	Market Value of Assets \$49,526,661,000 \$53,336,335,000 \$14,190,326,000
(5) Normal Cost & Expense (6) Amortization (MVA; (7) Total Requirements (MVA;	8.00% <u>5.89%</u> 13.90%	\$198,739,000 \$146,361,000 \$345,100,000	6.68% 9.89% 16.57%	\$344,815,000 \$510,261,000 \$855,076,000	8.60% 8.46% 17.06%	\$348,188,000 \$342,419,000 \$690,607,000	7.63% <u>8.54%</u> 16.17%	\$891,742,000 \$999,041,000 \$1,890,783,000
(8) Total Requirements (MVA) (9) Total Contributions (10) Deficiency/(Surplus) (MVA)	13.90% 10.00% 3.90%	\$345,100,000 \$248,352,000 \$96,748,000	16.57% 13.25% 3.32%	\$855,076,000 \$683,866,000 \$171,210,000	17.06% 11.71% 5.35%	\$690,607,000 \$474,085,000 \$216,522,000	16.17% 1.25% 14.93%	\$1,890,783,000 \$1,406,303,000 \$484,480,000

Statewide General Employee Retirement Plans

Page 1

<u>s</u> 2009	268,872 125,513 4,355 13,742 71,345 152,419 636,246	\$52,426,978,000 <u>\$33,143,227,000</u> \$19,283,751,000	\$11,673,472,000	\$956,626,000 \$27,018,000 \$983,644,000	\$983,644,000 <u>\$1,420,530,000</u> \$2,404,174,000	\$649,141,000 \$701,752,000 \$0 \$17,948,000 \$2,500,000 \$1,371,341,000	\$2,404,174,000 \$1,371,341,000 \$1,032,833,000
Total Statewide eral Employee Plans		63.22%		8.19% 0.23% 8.43%	8.43% 12.17% 20.60%	5.56% 6.01% 0.00% 0.15% 0.02% 11.75%	20.60% 11.75% 8.85%
Total Statewide General Employee Plans 2010	266,239 130,013 4,553 14,216 73,295 166,215 644,531	\$49,526,661,000 \$35,336,335,000 \$14,190,326,000	\$11,691,611,000 \$2,801,129,000	\$867,027,000 \$24,715,000 \$891,742,000	\$891,742,000 \$999,041,000 \$1,890,783,000	\$663,033,000 \$721,721,000 \$721,721,000 \$19,049,000 \$2,500,000 \$1,406,303,000	\$1,890,783,000 \$1,406,303,000 \$484,480,000
		71.35%		7.42% 0.21% 7.63%	7.63% <u>8.54%</u> 16.17%	5.67% 6.17% 0.00% 0.16% 0.02% 0.00%	16.17% 12.03% 4.14%
2009	77,786 46,108 624 3,476 12,490 23,073 163,557	\$23,114,802,000 \$16,129,257,000 \$6,985,545,000	\$4,049,217,000 \$1,381,366,000	\$359,579,000 \$11,338,000 \$370,917,000	\$370,917,000 \$414,095,000 \$785,012,000	\$222,860,000 \$230,325,000 \$17,948,000 \$2,500,000 \$473,633,000	\$785,012,000 \$473,633,000 \$311,379,000
TRA		69.78%		8.88% 0.28% 9.16%	9.16% 10.23% 19.39%	5.50% 5.69% 0.00% 0.44% 0.06% 11.70%	19.39% 11.70% 7.69%
Z010	77,356 47,517 654 3,682 12,756 23,651 165,616	\$22,081,634,000 \$16,305,222,000 \$5,776,412,000	\$4,047,547,000 \$1,421,382,000	\$338,474,000 \$9,714,000 \$348,188,000	\$348,188,000 \$342,419,000 \$690,607,000	\$222,737,000 \$229,799,000 \$19,049,000 \$2,500,000 \$474,085,000	\$690,607,000 \$474,085,000 \$216,522,000
		73.84%		8.36% 0.24% 8.60%	8.60% <u>8.46%</u> 17.06%	5.50% 5.68% 0.00% 0.47% 0.06% 11.71%	17.06% 11.71% 5.35%
2009	142,097 56,948 2,075 7,036 43,645 122,434 374,235	\$18,799,416,000 <u>\$10,116,852,000</u> \$8,682,564,000	\$5,130,307,000 \$863,910,000	\$400,956,000 \$10,261,000 \$411,217,000	\$411,217,000 \$594,615,000 \$1,005,832,000	\$367,819,000 \$352,965,000 \$0 \$0 \$0 \$0 \$660,784,000	\$1,005,832,000 \$660,784,000 \$345,048,000
PERA		53.81%		7.82% 0.20% 8.02%	8.02% 11.59% 19.61%	6.00% 6.88% 0.00% 0.00% 0.00% 12.88%	19.61% 12.88% 6.73%
PE 2010	140,389 59,159 2,215 7,120 45,151 380,061	\$17,180,956,000 \$11,338,582,000 \$5,842,374,000	\$5,160,545,000 \$906,300,000	\$335,526,000 \$9,289,000 \$344,815,000	\$344,815,000 \$510,261,000 \$855,076,000	\$316,120,000 \$367,746,000 \$0 \$0 \$0 \$683,866,000	\$855,076,000 \$683,866,000 \$171,210,000
		%00.99		6.50% 0.18% 6.68%	6.68% 9.89% 16.57%	6.13% 7.13% 0.00% 0.00% 0.00% 13.25%	16.57% 13.25% 3.32%
5009	48,989 22,457 1,656 3,230 15,210 6,912 98,454	\$10,512,760,000 \$6,897,118,000 \$3,615,642,000	\$2,493,948,000 \$445,792,000	\$196,091,000 \$5,419,000 \$201,510,000	\$201,510,000 \$411,820,000 \$613,330,000	\$118,462,000 \$118,462,000 \$0 \$0 \$236,924,000	\$613,330,000 \$236,924,000 \$376,406,000
MSRS-General		65.61%		7.86% 0.22% 8.08%	8.08% 16.51% 24.59%	4.75% 4.75% 0.00% 0.00% 0.00% 9.50%	24.59% <u>9.50%</u> 15.09%
MSRS-	48,494 23,337 1,684 3,414 15,388 6,537 98,854	\$10,264,071,000 \$7,692,531,000 \$2,571,540,000	\$2,483,519,000 \$473,447,000	\$193,027,000 \$5,712,000 \$198,739,000	\$198,739,000 \$146,361,000 \$345,100,000	\$124,176,000 \$124,176,000 \$0 \$0 \$248,352,000	\$345,100,000 \$248,352,000 \$96,748,000
		74.95%	-	7.77% 0.23% 8.00%	8.00% <u>5.89%</u> 13.90%	5.00% 0.00% 0.00% 0.00% 10.00%	13.90% 10.00% 3.90%
	Membership Active Members Service Retirees Disabilitants Survivors Deferred Retirees Nonvested Former Members Total Membership	Funded Status Accrued Liability Current Assets (MVA) Unfunded Accrued Liability Funding Ratio	<u>Financing Requirements</u> Covered Payroll Benefits Payable	Normal Cost Administrative Expenses Normal Cost & Expense	Normal Cost & Expense Amortization (MVA) Total Requirements	Employee Contributions Employer Contributions Employer Add'I Cont. Direct State Funding Other Govt. Funding Administrative Assessment Total Contributions	Total Requirements Total Contributions Deficiency (Surplus)

Statewide Public Safety Retirement Plans

000	20,029 7,534 1,177 1,723 3,953 3,053 37,489	\$8,072,241,000 \$5,075,189,000 \$2,997,052,000	\$1,235,466,000	\$251,680,000 \$1,775,000 \$253,455,000	\$253,455,000 \$176,804,000 \$430,259,000	\$197,098,000 \$159,717,000 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$10,000	\$430,259,000 \$266,815,000 \$163,444,000
Total Statewide Public Safety Plans		\$ \$ \$ \$ 62.87%	<i>4</i> 4	20.37% 0.14% 20.51%	20.51% 14.31% 34.83%	8.67% 12.93% 0.00% 0.00% 0.00% 21.60%	34.83% <u>21.60%</u> 13.23%
Total St Public Sa	19,639 7,851 1,729 1,771 4,242 3,134 37,866	\$7,746.985,000 <u>\$5,683,617,000</u> \$2,063,368,000	\$1,238,625,000	\$230,511,000 \$1,592,000 \$232,103,000	\$232,103,000 \$141,565,000 \$373,668,000	\$110,159,000 \$163,604,000 \$0 \$0 \$0 \$273,763,000	\$373,668,000 \$273,763,000 \$99,905,000
		73.37%		18.61% 0.13% 18.74%	18.74% 11.43% 30.17%	8.89% 13.21% 0.00% 0.00% 0.00% 22.10%	30.17% 22.10% 8.07%
<u>al</u>	3,715 267 101 18 1,683 1,525 7,309	\$229,383,000 \$167,300,000 \$62,083,000	\$172,770,000 \$2,836,000	\$22,904,000 \$227,000 \$23,131,000	\$23,131,000 \$5,832,000 \$28,963,000	\$10,073,000 \$15,117,000 \$0 \$0 \$0 \$25,190,000	\$28,963,000 \$25,190,000 \$3,773,000
PERA-Correctional		72.93%		13.26% 0.13% 13.39%	13.39% 3.38% 16.76%	5.83% 8.75% 0.00% 0.00% 0.00% 14.58%	16.76% 14.58% 2.18%
PERA-C	3,521 . 308 116 18 1,895 1,695 7,463	\$248,867,000 \$211,368,000 \$37,499,000	\$170,693,000 \$3,353,000	\$21,642,000 \$222,000 \$21,864,000	\$21,864,000 \$21,168,000 \$43,032,000	\$9,951,000 \$14,936,000 \$0 \$0 \$2 \$24,887,000	\$43,032,000 \$24,887,000 \$18,145,000
	0.000	84.93%		12.68% 0.13% 12.81%	12.81% 12.40% 25.21%	5.83% 8.75% 0.00% 0.00% 0.00% 14.58%	25.21% 14.58% 10.63%
2009	11,035 5,213 838 1,380 1,280 20,657	\$6,296,274,000 \$4,001,046,000 \$2,295,228,000	\$786,887,000 \$310,099,000	\$173,703,000 \$1,023,000 \$174,726,000	\$174,726,000 \$133,179,000 \$307,905,000	\$73,967,000 \$110,951,000 \$0 \$0 \$0 \$184,918,000	\$307,905,000 \$184,918,000 \$122,987,000
PERA-P&F		63.55%		22.07% 0.13% 22.20%	22.20% 16.92% 39.13%	9.40% 14.10% 0.00% 0.00% 0.00% 23.50%	39.13% 23.50% 15.63%
2010	11,002 5,354 859 1,413 1,315 20,873	\$5,963,672,000 <u>\$4,458,134,000</u> \$1,505,538,000	\$795,171,000 \$326,041,000	\$156,244,000 \$795,000 \$157,039,000	\$157,039,000 \$89,089,000 \$246,128,000	\$75,541,000 \$113,312,000 \$0 \$0 \$188,853,000	\$246,128,000 \$188,853,000 \$57,275,000
		74.75%		19.65% 0.10% 19.75%	19.75% 11,20% 30.95%	9.50% 14.25% 0.00% 0.00% 0.00% 23.75%	30.95% 23.75% 7.20%
2009	876 673 44 191 11 11 11 1836	\$725,334,000 \$450,060,000 \$275,274,000	\$67,421,000 \$44,480,000	\$17,103,000 \$108,000 \$17,211,000	\$17,211,000 \$16,644,000 \$33,855,000	\$7,012,000 \$10,518,000 \$0 \$0 \$0 \$17,530,000	\$33,855,000 \$17,530,000 \$16,325,000
State Patrol		62.05%		25.37% 0.16% 25.53%	25.53% 24.69% 50.21%	10.40% 15.60% 0.00% 0.00% 0.00% 26.00%	50.21% 26.00% 24.21%
Stat 2010	848 684 48 192 39 14 1,825	\$683,360,000 \$488,870,000 \$194,490,000	\$67,187,000	\$15,437,000 <u>\$123,000</u> \$15,560,000	\$15,560,000 \$12,016,000 \$27,576,000	\$6,988,000 \$10,481,000 \$0 \$0 \$17,469,000	\$27,576,000 \$17,469,000 \$10,107,000
		71.54%		22.98% 0.18% 23.16%	23.16% 17.88% 41.04%	10.40% 15.60% 0.00% 0.00% 0.00% 26.00%	41.04% 26.00% 15.04%
<u>a</u> l 2009	4,403 1,381 194 134 949 <u>626</u> <u>626</u>	\$821,250,000 <u>\$456,783,000</u> \$364,467,000	\$208,388,000	\$37,970,000 \$417,000 \$38,387,000	\$38,387,000 \$21,149,000 \$59,536,000	\$16,046,000 \$23,131,000 \$0 \$0 \$0 \$39,177,000	\$59,536,000 41.04% \$39,177,000 26,00% \$20,359,000 15,04%
MSRS-Correctional		55.62%		18.22% 0.20% 18.42%	18.42% 10.15% 28.57%	7.70% 11.10% 0.00% 0.00% 0.00% 18.80%	28.57% 18.80% 9.77%
MSRS-C 2010	4,268 1,505 206 148 993 585 7,705	\$851,086,000 \$525,245,000 \$325,841,000	\$205,574,000 \$36,078,000	\$37,188,000 \$452,000 \$37,640,000	\$37,640,000 18.42% \$19,292,000 10,15% \$56,932,000 28.57%	\$17,679,000 \$24,875,000 \$0 \$0 \$0 \$6 \$6 \$8 \$6 \$6 \$6 \$6 \$6 \$6 \$6 \$6 \$6 \$6 \$6 \$6 \$6	\$56,932,000 \$42,554,000 \$14,378,000
		61.71%		18.09% 0.22% 18.31%	18.31% 9.38% 27.69%	8.60% 12.10% 0.00% 0.00% 0.00% 20.70%	27.69% 20.70% 6.99%
	Membership Active Members Service Retrees Service Retrees Survivors Deferred Retrees Norvessied Former Members Total Membership	Eunded Status Accrued Liability Current Assets (MVA) Unfunded Accrued Liability Funding Ratio	Financing Requirements Covered Payroll Benefits Payable	Normal Cost Administrative Expenses Normal Cost & Expense	Normal Cost & Expense Amortization (MVA) Total Requirements	Employee Contributions Employer Contributions Employer Addil Cont. Direct State Funding Other Govt. Funding Administrative Assessment Total Contributions	Total Requirements Total Contributions Deficiency (Surplus)

	Elective S 2010	Elective State Officers	•	<u>Jud</u> 2010	<u>Judges</u>	2009	56	Legis 2010	Legislators 20	2009		Total S Specia	Total Statewide Specialty Plans	9000
Membership Active Members Service Retirees Disabilitants Survivors Deferred Retirees Nonvested Former Members	0 1 0 4 1 0	-		312 170 27 94 18		312 162 27 27 96		1 12				359 460 27 178 107		360 360 457 27 174 116
Total Membership <u>Funded Status</u> Accrued Liability Current Assets (MVA) Unfunded Accrued Liability Funding Ratio	\$3.782,189 \$214,002 \$3,568,187 5.66%	\$3,885,951 \$213,165 \$3,672,786 5.49%	52.46%	621 \$240,579,000 \$126,201,000 \$114,378,000	47.43%	\$241,815,000 \$114,690,000 \$127,125,000	31.10%	495 \$86,236,000 \$26,821,000 \$59,415,000	31.70%	\$03 \$90,431,000 \$28,663,000 \$61,768,000	46.35%	1,132 1,132 \$330,597,189 \$153,236,002 \$177,361,187	42.71%	2 1,136 \$336,131,951 <u>\$143,566,165</u> \$192,565,786
<u>Financing Requirements</u> Covered Payroll Benefits Payable	\$0 \$451,443	\$0		\$41,366,000		\$41,644,000 \$16,261,000		\$1,970,000 \$7,159,000		\$2,061,000 \$7,016,000		\$43,336,000 \$24,667,443		\$43,705,000 \$23,717,432
Normal Cost Administrative Expenses Normal Cost & Expense	\$0 \$1,000 \$1,000	\$0	17.10% 0.10% 17.20%	\$7,072,000 \$42,000 \$7,114,000	17.52% 0.08% 17.60%	\$7,295,000 \$33,000 \$7,328,000	14.90% 1.34% 16.24%	\$294,000 \$26,000 \$320,000	18.87% 1.21% 20.09%	\$389,000 \$25,000 \$414,000	17.00% 0.16% 17.16%	\$7,366,000 \$69,000 \$7,435,000	17.58% 0.13% 17.72%	\$7,684,000 \$59,000 \$7,743,000
Normal Cost & Expense Amortization (MVA) Total Requirements	\$1,000 \$642,501 \$643,501	\$1,000 \$600,274 \$601,274	17.20% 17.26% 34.45%	\$7,114,000 \$7,138,000 \$14,252,000	17.60% 18.70% 36.30%	\$7,328,000 \$7,788,000 \$15,116,000	16.24% 343.25% 359.49%	\$320,000 \$6,762,000 \$7,082,000	20.09% 318.15% 338.23%	\$414,000 \$6,557,000 \$6,971,000	17.16% 33.56% 50.71%	\$7,435,000 \$14,542,501 \$21,977,501	17.72% 34.20% 51.91%	\$7,743,000 \$14,945,274 \$22,688,274
Employee Contributions Employer Contributions Employer Add'l Cont. Direct State Funding Other Govt. Funding Administrative Assessment Total Contributions		S S S S S S	7.22% 20.02% 0.00% 0.00% 0.00% 27.24%	\$2,988,000 \$8,282,000 \$0 \$0 \$10,270,000	7.30% 20.50% 0.00% 0.00% 0.00% 27.80%	\$3,039,000 \$8,537,000 \$0 \$0 \$0 \$0 \$0 \$0 \$0	%00.0 %00.0 %00.0 %00.0	\$177,000 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0	8.98% 0.00% 0.00% 0.00% 0.00% 8.98%	\$185,000 \$0 \$0 \$0 \$0 \$185,000	7.30% 19.11% 0.00% 0.00% 0.00% 26.41%	\$3,165,000 \$8,282,000 \$0 \$0 \$10,447,000	7.38% 19.53% 0.00% 0.00% 0.00% 26.91%	\$3,224,000 \$8,537,000 \$0 \$0 \$0 \$11,761,000
Total Requirements Total Contributions Deficiency (Surplus)	\$643,501 \$0 \$643,501	\$601,274 \$0 \$601,274	34.45% 27.24% 7.21%	\$14,252,000 \$11,270,000 \$2,982,000	36.30% 27.80% 8.50%	\$15,116,000 \$11,576,000 \$3,540,000	359.43% <u>9.00%</u> 350.43%	\$7,082,000 \$177,000 \$6,905,000	338.23% <u>8.98%</u> 329.26%	\$6,971,000 \$185,000 \$6,786,000	50.71% 26.41% 24.30%	\$21,977,501 \$11,447,000 \$10,530,501	51.91% 26.91% 25.00%	\$22,688,274 \$11,761,000 \$10,927,274

First Class City Retirement Plans

DTRFA SPTRFA 2009 2010 2010 2010 2010 2010 2010 2010
17 17 96 348 750 3,378
\$312,649,572 \$364,811,453 \$11,471,630,000 \$122,402,546 \$110,247,026 \$114,878,253 \$55,40% \$55,40%
\$56,152,078 \$55,344,873 \$250,225,000 \$23,596,191 \$22,704,163 \$95,300,000
\$3,287,998 7.42% \$4,108,948 8.28% \$20,735,000 \$510,984 0.85% \$470,431 0.24% \$601,000 \$3,798,982 8.27% \$4,578,379 8.52% \$21,336,000
\$3,798,982 8.27% \$4,579,379 8.52% \$21,336,000 8.76% \$7,606,940 20,64% \$11,420,834 15,80% \$39,538,000 15,22% \$11,405,922 28,91% \$16,000,213 24,32% \$60,874,000 24,28%
\$5.088.365 5.50% \$3.043.968 5.56% \$13.917,000 5.58% \$0.251,205 5.79% \$3.204.468 8.42% \$21.072.000 8.45% \$0 0.00% \$0.00% \$0.00% \$0.00% \$0.00% \$66.361 0.60% \$3.4057.000 1.61% \$0.00% \$0.00% \$0 0.00% \$0.00% \$0.00% \$0.00% \$0.00% \$1 0.00% \$0.00% \$0.00% \$0.00% \$0.00% \$2 0.00% \$0.00% \$0.00% \$0.00% \$0.00% \$1 11.92% \$6.594,436 15.60% \$39.046,000 15.64%
\$1,405,922 28.91% \$16,000,213 24.32% \$50,874,000 24.28% \$2,005,931 11,92% \$6,594,436 15,60% \$39,046,000 15,64% \$4,399,991 16,99% \$9,405,777 8,72% \$21,828,000 8,64%

1/13/2011 Legislative Commission on Pensions and Retirement

Impact of 2010 Omnibus Retirement Bill on Minnesota Defined Benefit Retirement Plans and Other Unfunded Actuarial Accrued Liability Changes

Plan	Year	End Date	UAAL	8	1.303 680 000	4 053 963 000	4,758,488,000	10,116,131,000	247 223 000	746,440,000	116,149,000	775,333,000	0,848,000	1,145,553,000	50 415 000	29,413,000	9,360,167	158,834,187	442,118.000	57 340 659	470 185 000	527,525,659	11,948,043,846
	s Related to:	Act. Assump.	Changes	\$	(23 635 000)	236 917 000	(62,352,000	150,930,000	c			0 0	0	0	c			0	(193,285,000)		4 945 000	4,945,000	155,875,000
	UAAL Changes Related to:	Benefit Plan	Amend.	8	(650,404,000)	(2 764 179 000)	(1,692,109,000)	(5,106,692,000)	(45,480,000)	(60,400,000)	(92,472,000)	(624,704,000)	(14,011,000)	(747,267,000)	(4 417 000)	(60,631)	(8 499 000)	(12,985,631)	0	(61 646 473)	(17,846,000)	(79,492,473)	(5,946,437,104)
:0:			Other	₩.	(16.607.000)	5.827.000	119,882,000	109,102,000	18 486 000	3 266 000	3,200,000	321,000)	000,120	10,872,000	(439 000)	(25,635)	(628,62)	(1,142,695)	(22,944,000)	(1,283,443)	(4,047,000)	(5,330,443)	113,500,862
Changes Related to:	on Gain or Loss:	Retiree	Mortality	€9	523,000	33.391,000	44,520,000	78,434,000	918 000	(3 672 000)	(3,072,000)	75,019,000	000,04	21,310,000	416 000	130 927	1.016,000	1,562,927	7,297,000	<u>X</u>	1,666,000	1,666,000	102,972,927
C	Actuarial Assumption Gain or Loss	Investment	Return	↔	572,503,000	848,873,000	1,061,858,000	2,483,234,000	36 663 000	36 437 000	341,851,000	14 428 000	000,021,11	429,379,000	(948.000)	19 115	8,864,000	7,935,115	(47,306,000)	29,239,035	77,284,000	106,523,035	3,027,071,150
	4	Salary	Increase	€\$	(158,877,000)	(169,777,000)	(297,584,000)	(626,238,000)	(15.123.000)	(10,626,000)	(96.316.000)	(5,638,000)	(407 700 000)	(127,703,000)	(413,000)	`O	(3,495,000)	(3,908,000)	(2,000)	N/N	(13,954,000)	(13,954,000)	(771,803,000)
	Interest Oblig.,	Norm. Cost,	& Contrib.	↔	97,818,000	233,639,000	351,879,000	683,336,000	20,848,000	12,383,000	85,265,000	497,000	440,000,000	110,333,000	3,448,000	(159,315)	3,948,000	7,236,685	27,392,000	5,475,645	17,777,000	23,252,645	832,818,330
Plan	Year	Beginning	UAAL	€9	1,482,359,000	5,640,926,000	5,232,394,000	12,355,679,000	230,911,000	140,833,000	1,056,419,000	11,806,000	1 130 060 000	1,459,969,000	61,768,000	3,672,786	94,695,000	160,135,786	670,966,000	85,555,895	404,360,000	489,915,895	Grand Total 14,445,699,681
		ā	Han		MSRS-General	PERA-General	TRA	Subtotal	MSRS-Corr.	State Patrol	PERA-P&F	PERA-Corr.	Subtotal	Sabiolal	Legislators	Elect. State Officers	Judges	Subtotal Subtotal	MERF Div. of PERA	DTRFA	SPTRFA	Subtotal	Grand Total

UAAL = unfunded actuarial accrued liability

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Change in Minnesota Defined Benefit Retirement Plan Normal Cost Components 2009-2010

Total Normal Cost	\$196,091,000	\$143,000	\$400,813,000	\$693,000	\$358,886,000	\$37,970,000	\$17,103,000	\$173,703,000
	\$193,027,000	\$72,000	\$335,454,000	\$458,000	\$338,016,000	\$37,188,000	\$15,437,000	\$156,244,000
	-\$3,064,000	\$71,000	-\$65,359,000	-\$235,000	-\$20.870,000	-\$782,000	-\$1,666,000	-\$17,459,000
Total	7.86%	9.66% 5.81% -3.85%	7.81% 6.50% -1.31%	15.83% 13.23% -2.60%	8.87% 8.36% -0.51%	18.22% 18.09% -0.13%	25.37% 22.98% -2.39%	22.07% 19.65% -2.42%
Refunds	\$17,230,000 \$14,180,000 -\$3,050,000	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	\$18,000 \$13,000 -\$5,000	\$22,353,000 \$29,025,000 +\$6,672,000	\$1,153,000 \$753,000 -\$400,000	\$66,000 \$55,000 -\$11,000	\$ 8 8 8 8
œ	0.69%	0.00% 0.00% 0.00%	0.00% 0.00% 0.00%	0.41% 0.38% -0.03%	0.55% 0.72% +0.17%	0.55% 0.37% -0.18%	0.10% 0.08% -0.02%	%00.0 %00.0 %00.0
Deferred Retirement	\$22,530,000	\$52,000	\$78,835,000	\$138,000	\$39,726,000	\$3,603,000	\$312,000	\$11,671,000
	\$16,944,000	\$28,000	\$59,767,000	\$64,000	\$22,628,000	\$3,241,000	\$274,000	\$8,675,000
	-\$5,586,000	-\$24,000	-\$19,068,000	-\$74,000	-\$17,098,000	-\$362,000	-\$38,000	-\$2,996,000
Deferre	0.90%	3.51%	1.54%	3.15%	0.98%	1.73%	0.46%	1.48%
	0.68 <u>%</u>	2.30%	1.16%	1.86%	0.56%	1.58%	0.41%	1.09%
	-0.22%	-1.21%	-0.38%	-1.29%	-0.42%	-0.15%	-0.05%	-0.39%
Survivor Benefit	\$6,351,000 \$5,070,000 -\$1,281,000	\$3,000	\$6,900,000 \$7,515,000 +\$615,000	\$17,000 <u>\$14,000</u> -\$3,000	\$3,540,000 \$3,232,000 -\$308,000	\$677,000 \$634,000 -\$43,000	\$728,000 \$665,000 -\$63,000	\$6,875,000 \$6,154,000 -\$721,000
Surviv	0.26%	0.20%	0.13%	0.39%	0.09%	0.33%	1.08%	0.87%
	0.20%	0.22%	0.15%	0.41%	0.08%	0.31%	0.99%	0.77%
	-0.06%	+0.02%	+0.02%	+0.02%	-0.01%	-0.02%	-0.09%	-0.10%
Disability Benefit	\$11,268,000	\$5,000	\$18,978,000	\$22,000	\$8,212,000	\$4,877,000	\$1,478,000	\$22,727,000
	\$10,138,000	<u>\$3,000</u>	\$15,247,000	\$16,000	\$6,921,000	\$6,946,000	\$1,319,000	\$20,779,000
	-\$1,130,000	-\$2,000	-\$3,731,000	-\$6,000	-\$1,291,000	+\$2,069,000	-\$159,000	-\$1,948,000
Disab	0.45%	0.34%	0.37%	0.50%	0.20%	2.34%	2.19%	2.89%
	0.41%	0.19%	0.29%	0.46%	0.17%	3.38%	1.96%	2.62%
	-0.04%	-0.15%	-0.08%	-0.04%	-0.03%	+1.04%	-0.23%	-0.27%
Retirement Benefit	\$138,712,000	\$83,000	\$296,100,000	\$498,000	\$285,055,000	\$27,660,000	\$14,519,000	\$132,430,000
	<u>\$146,695,000</u>	\$38,000	\$252,925,000	\$351,000	\$276,210,000	\$25,614,000	\$13,124,000	\$120,636,000
	+\$7,983,000	-\$45,000	-\$43,175,000	-\$147,000	-\$8,845,000	-\$2,046,000	-\$1,395,000	-\$11,794,000
Retire	5.61%	5.61%	5.77%	11.38%	7.05%	13.27%	21.54%	16.83%
	5.91%	3.10%	4.90%	10.12%	6.83%	12.45%	19.54%	15.17%
	+0.30%	-2.51%	-0.87%	-1.26%	-0.22%	-0.82%	-2.00%	-1.66%
Retirement Plan	MSRS-General	PERA-General Basic	PERA-General Coord.	TRA Basic	TRA Coordinated	MSRS-Correctional	State Patrol	PERA-P&F
	2009	2009	2009	2009	2009	2009	2009	2009
	2010	2010	2010	2010	2010	2010	2010	2010
	Change	Change	Change	Change	Change	Change	Change	Change

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Change in Minnesota Defined Benefit Retirement Plan Normal Cost Components 2009-2010

Retirement Plan	Retirer	Retirement Benefit	Disabil	Disability Benefit	Survivo	Survivor Benefit	Deferred	Deferred Retirement	Refi	Refunds	Total N	Total Normal Cost
PERA- Correctional 2009 2010 Change	8.58% 8.45% -0.13%	\$14,818,000 \$14,421,000 -\$397,000	1.88% 1.82% -0.06%	\$3,254,000 \$3,111,000 -\$143,000	0.32% 0.39% +0.07%	\$550,000	2.48% 2.02% -0.46%	\$4,282,000 \$3,450,000 -\$832,000	%00.0 %00.0 0.00.0	0\$ 80	13.26% 12.68% -0.58%	\$22,904,000 \$21,642,000 -\$1,262,000
Legislators 2009 2010 Change	17.95% 12.75% -5.20%	\$370,000 \$252,000 -\$118,000	%00.0 %00.0 0.00%	0 9 9 9	0.87% 0.67% -0.20%	\$18,000 \$13,000 -\$5,000	0.00% 0.63% +0.63%	\$0 \$12,000 +\$12,000	0.05% 0.85% +0.80%	\$1,000 \$17,000 +\$16,000	18.87% 14.90% -3.97%	\$389,000 \$294,000 -\$95,000
Judges 2009 2010 Change	15.18% 14.92% -0.26%	\$6,321,000 \$6,172,000 -\$149,000	1.10% 1.05% -0.05%	\$457,000 \$433,000 -\$24,000	1.23% 1.07% -0.16%	\$511,000 \$442,000 -\$69,000	0.00% 0.00% 0.00%	0 0 0 % %	0.01% 0.06% +0.05%	\$6,000 \$25,000 +\$19,000	17.52% 17.10% -0.42%	\$7,295,000 \$7,072,000 -\$223,000
DTRFA 2009 2010 Change	6.22% 4.79% -1.43%	\$3,444,520 \$2,691,988 -\$752,532	0.12% 0.10% -0.02%	\$69,123 \$58,079 -\$11,044	0.15% 0.12% -0.03%	\$80,861 \$65,708 -\$15,153	0.93% 0.84% -0.09%	\$514,444 \$472,223 -\$42,221	%00.0 %00.0 0.00.0	0 8 8 8	7.42% 5.85% -1.57%	\$4,108,948 \$3,287,998 -\$820,950
SPTRFA Basic 2009 2010 Change	11.17% 10.42% -0.75%	\$928,000 \$644,000 -\$284,000	0.34% 0.30% -0.04%	\$28,000 <u>\$18,000</u> -\$10,000	0.13% 0.11% -0.02%	\$11,000 \$7,000 \$4,000	1.88% 2.31% +0.43%	\$156,000 \$142,000 -\$14,000	%00.0 %00.0 0.00.0	0\$ 80	13.52% 13.14% -0.38%	\$1,123,000 \$811,000 -\$312,000
SPTRFA Coordinated 2009 2010 Change	6.98% 6.49% -0.49%	\$17,052,000 \$15,831,000 -\$1,221,000	0.13% 0.11% -0.02%	\$309,000 \$277,000 -\$32,000	0.16% 0.14% -0.02%	\$395,000 \$347,000 -\$48,000	1.10% 1.42% +0.32%	\$2,679,000 \$3,469,000 +\$790,000	%00.0 %00.0 0.00%	0 8 8 8	8.37% <u>8.16%</u> -0.21%	\$20,435,000 \$19,924,000 -\$511,000
MERF Div. of PERA 2009 2010 Change	5.22% 2.49% -2.73%	\$566,361 <u>\$221,000</u> -\$345,361	2.42% 1.48% -0.94%	\$262,127 \$131,000 -\$131,127	0.82% 0.20% -0.62%	\$89,180 \$18,000 -\$71,180	1.35% 1.69% +0.34%	\$146,137 <u>\$150,000</u> +\$3,863	0.82% 0.00% -0.82%	\$88,869 \$88,869	10.63% <u>5.86%</u> -4.77%	\$1,152,674 \$520,000 -\$632,674

Comparison of Member and Employer Sharing of Impact of 2010 Contribution Increases and Retirement Plan Actuarial Costs

Contributions	tal Contribution Member arial Member Employer (Sufficiency) Contrib. q.² Contrib.¹ /Deficiency² Share	(7) (8)	59% 4.75% 4.75% 15.09% 58.8% 90% 5.00% 5.00% 3.90% 62.5% 90% 5.00% 5.00% 5.00% 5.00%	6.00% 6.88% 6.73% 6.13% 7.13% 3.34% 6.38% 7.38% 2.84%	5.50% 5.69% 7.69% 5.50% 5.68% 5.35% 7.50% 7.68% 1.88%	7.70% 11.10% 9.77% 8.60% 12.10% 6.99% 8.60% 12.10% 6.99%	10.40% 15.60% 24.21% 10.40% 15.60% 15.04% 12.40% 18.60% 10.04%	3% 9.40% 14.10% 15.63% 42.3% 15% 9.50% 14.25% 7.20% 48.1% 15% 9.60% 14.40% 6.95% 48.6%	6% 5.83% 8.75% 2.18% 43.5%
	Total Amort. Actuarial Req. ² Req. ²	(9) (9)	16.51% 24.59% 5.90% 13.90% 5.90% 13.90%	11.59% 19.61% 9.89% 16.57% 9.89% 16.57%	10.23% 19.39% 8.46% 17.06% 8.46% 17.06%	10.15% 28.57% 9.38% 27.69% 9.38% 27.69%	24.69% 50.21% 17.88% 41.04% 17.88% 41.04%	16.92% 39.13% 11.20% 30.95% 11.20% 30.95%	3.38% 16.76%
	Admin. Expense¹ NC & (AdmEx) AdmEx¹	(3) (4)	0.22% 8.08% 0.23% 8.00% 0.23% 8.00%	0.20% 8.02% 0.18% 6.68% 0.18% 6.68%	0.28% 9.16% 0.24% 8.60% 0.24% 8.60%	0.20% 18.42% 0.22% 18.31% 0.22% 18.31%	0.16% 25.53% 3.0.18% 23.16% 0.18% 23.16%	0.13% 22.20% 0.10% 19.75% 0.10% 19.75%	0.13% 13.39%
	Normal Adn Cost¹ Expe Plan/Year (NC) (Adn	(1) (2) (3)	MSRS-General 7.86% 0. 2009 7.77% 0. 2010 7.77% 0. 2010+ 7.77% 0.	PERA- General 7.82% 0. 2009 6.50% 0. 2010 6.50% 0. 2010+ 6.50% 0.	TRA 8.88% 0.2 2009 8.36% 0.2 2010 8.36% 0.2 2010+	MSRS-Corr 2009 18.22% 0.3 2010 18.09% 0.3 2010+ 18.09% 0.3	State Patrol 25.37% 0.7 2009 22.98% 0.7 2010 22.98% 0.7 2010+ 22.98% 0.7 2010+ 22.98% 0.7 2010+	PERA-P&F 2009 22.07% 0.7 2010 19.65% 0.7 2010+ 19.65% 0.7	PERA-Corr 2009 13.26% 0.7

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¹ Number is expressed as a percentage of covered payroll of the applicable retirement plan.
² Number is based on the actuarial results using a market value of assets and is expressed as a percentage of covered payroll of the applicable retirement plan.

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Impact of 2010 Contribution Increases and Comparison of Member and Employer Sharing of Retirement Plan Actuarial Costs

Admin. Expense ¹ NC & (AdmEx) (3) (4) (4) (4) (13% 12.81% 0.13% 12.81% 0.10% 17.20% 0.10% 17.20% 1.24% 16.24% 1.34% 16.24% 0.91% 6.76% 0.91% 6.76% 0.24% 8.52% 0.24% 8.52%	Amort. Req. ² (5) 12.40% 12.40% 17.26% 17.26%	≥ ŏ		Contribution						
(NC) (AdmEx) AdmExi (NC) (AdmExi (NC) (AdmExi (NC) (AdmExi (NC) (13% 12.81% 12.81% 12.88% 0.13% 12.81% 17.20% 17.10% 0.10% 17.20% 14.90% 1.34% 16.24% 14.90% 1.34% 16.24% 16.24% 15.85% 0.91% 6.76% 5.85% 0.91% 6.76% 8.25% 8.28% 0.24% 8.52% 8.28% 0.24% 8.52% 8.28% 0.24% 8.52% 8.28%	Amort. Req. ² (5) 12.40% 12.40% 17.26% 17.26% 318 15%	≥ ŭ 			Member	Employer	Contrib.	Member	Employer	Contrib.
(2) (3) (4) (4) (12.68% 0.13% 12.81% 12.81% 12.81% 17.52% 0.08% 17.50% 17.10% 0.10% 17.20% 14.90% 1.34% 16.24% 14.90% 1.34% 16.24% 14.90% 1.34% 16.24% 16.24% 16.25% 0.91% 6.76% 5.85% 0.91% 6.76% 5.85% 0.024% 8.52% 8.28% 0.24% 8.52% 8.28% 0.24% 8.52% 8.28%	(5) 12.40% 12.40% 17.26% 17.26% 318 15%	5	iber Employer	(Sufficiency)	Contrib.	Contrib.	Deficiency	Contrib.	Contrib.	Deficiency
12.68% 0.13% 12.81% 12.68% 0.13% 12.81% 17.52% 0.08% 17.50% 17.10% 0.10% 17.20% 14.90% 1.34% 16.24% 14.90% 1.34% 16.24% 16.24% 16.24% 0.91% 6.76% 5.85% 0.91% 6.76% 5.85% 0.24% 8.52% 8.28% 0.24% 8.52% 8.28% 0.24% 8.52% 8.28%	12.40% 12.40% 18.70% 17.26% 318.15%		1	/Deliciency-	מומ ש	Sign (44)	10111011	Stiare	Share	Fortion
12.68% 0.13% 12.81% 12.81% 12.81% 12.81% 12.81% 17.20% 17.	12.40% 12.40% 18.70% 17.26% 17.26% 318.15%			(6)	(01)		(71)	(61)	(+1)	(c1)
12.68% 0.13% 12.81% 17.52% 0.08% 17.60% 17.10% 0.10% 17.20% 17.10% 0.10% 17.20% 14.90% 1.21% 20.09% 14.90% 1.34% 16.24% 7.42% 0.98% 8.27% 5.85% 0.91% 6.76% 5.85% 0.91% 6.76% 8.52% 0.24% 8.52% 8.28% 0.24% 8.52% 8.28% 0.24% 8.52%	12.40% 18.70% 17.26% 318 15%			10.63%	45.5%	54.5%	1	23.1%	34.7%	42.2%
17.52% 0.08% 17.60% 17.10% 0.10% 17.20% 17.10% 0.10% 17.20% 18.87% 1.21% 20.09% 14.90% 1.34% 16.24% 7.42% 0.98% 8.27% 5.85% 0.91% 6.76% 5.85% 0.91% 6.76% 8.52% 0.24% 8.52% 8.28% 0.24% 8.52% 8.28% 0.24% 8.52%	18.70% 17.26% 318.15%	25.21% 5.8	5.83% 8.75%	10.63%	45.5%	54.5%	1	23.1%	34.7%	42.2%
17.32% 0.08% 17.50% 17.10% 0.10% 17.20% 17.20% 17.20% 14.90% 1.34% 16.24% 14.90% 1.34% 16.24% 5.85% 0.91% 6.76% 5.85% 0.91% 6.76% 8.22% 0.24% 8.52% 8.28% 0.24% 8.52% 8.28% 0.24% 8.52% 8.28% 0.24% 8.52%	18.70% 17.26% 17.26% 318.15%									
18.87% 1.21% 20.09% 17.20% 17.10% 17.20% 14.90% 1.34% 16.24% 16.24% 15.85% 0.91% 6.76% 5.85% 0.91% 6.76% 8.52% 0.24% 8.52% 8.28% 0.24% 8.52% 8.28% 0.24% 8.52% 8.28% 0.24% 8.52%	17.26%			8.50%	41.5%	58.5%	1	20.1%	26.5%	23.4%
18.87% 1.21% 20.09% 14.90% 1.34% 16.24% 14.90% 1.34% 16.24% 7.42% 0.91% 6.76% 5.85% 0.91% 6.76% 8.52% 0.24% 8.52% 8.28% 0.24% 8.52% 8.28% 0.24% 8.52%	318 15%		7.22% 20.02%	7.22%	42.0%	58.0%	!	21.0%	58.1%	20.9%
18.87% 1.21% 20.09% 14.90% 1.34% 16.24% 14.90% 1.34% 16.24% 7.42% 0.88% 8.27% 5.85% 0.91% 6.76% 5.85% 0.91% 6.76% 8.52% 0.24% 8.76% 8.28% 0.24% 8.52% 8.28% 0.24% 8.52%	318 15%	34.46% 7.7		7.22%	45.0%	28.0%	1	21.0%	58.1%	20.9%
18.87% 1.21% 20.09% 14.90% 1.34% 16.24% 14.90% 1.34% 16.24% 7.42% 0.88% 8.27% 5.85% 0.91% 6.76% 5.85% 0.91% 6.76% 8.52% 0.24% 8.76% 8.28% 0.24% 8.52% 8.28% 0.24% 8.52% 8.28% 0.24% 8.52%	318 15%									
14.90% 1.34% 16.24% 14.90% 1.34% 16.24% 7.42% 0.88% 8.27% 5.85% 0.91% 6.76% 5.85% 0.91% 6.76% 8.52% 0.24% 8.76% 8.28% 0.24% 8.52% 8.28% 0.24% 8.52% 8.28% 0.24% 8.52%	0	338.23% 8.9	8.98%	329.26%	44.7%	1	55.3%	2.7%	;	97.3%
14.90% 1.34% 16.24% 3 7.42% 0.88% 8.27% 5.85% 0.91% 6.76% 8.52% 0.24% 8.76% 8.28% 0.24% 8.52% 8.28% 0.24% 8.52%	343.19%		%00'6	350.43%	55.4%	1	44.6%	2.5%	ł	97.5%
7.42% 0.88% 8.27% 5.85% 0.91% 6.76% 5.85% 0.91% 6.76% 8.52% 0.24% 8.52% 8.28% 0.24% 8.52%	343.19%	359.43% 9.0	%00.6	350.43%	55.4%	;	44.6%	2.5%	ŀ	97.5%
7.42% 0.88% 8.27% 5.85% 0.91% 6.76% 5.85% 0.91% 6.76% 8.52% 0.24% 8.52% 8.28% 0.24% 8.52%										
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5.85% 0.91% 6.76% 8.52% 0.24% 8.76% 8.28% 0.24% 8.52% 8.28% 0.24% 8.52%	•		5.50% 6.98%	7.83%	81.4%	18.6%	1	27.1%	34 4%	38.5%
8.52% 0.24% 8.76% 8.28% 0.24% 8.52% 8.28% 0.24% 8.52%	% 13.55%	20.31% 6.5		5.83%	96.2%	3.8%	1	32.0%	39.3%	28.7%
8.52% 0.24% 8.76% 8.28% 0.24% 8.52% 8.28% 0.24% 8.52%										
8.28% 0.24% 8.52% 8.28% 0.24% 8.52%			5.58% 10.06%	8.64%	63.7%	36.3%	1	23.0%	41 4%	35.6%
8.28% 0.24% 8.52%	15		`	8.72%	65.3%	34.7%		22.9%	41.3%	35.8%
	% 15.80%	24.32% 6.5		6.72%	%0.77	23.0%	1	27.0%	45.4%	27.6%
10.63% 9.21% 19.84%	837.41%			694.09%	49.1%	%6'09	۱	1.1%	17.9%	81.0%
5.86% 16.80% 22.66%	516.11%		9.75% 312.46%	216.55%	43.0%	27.0%	 	1.8%	58.2%	40.0%
5.86% 16.80% 22.66%	516.44%	536.76%; 9.7		216.55%	43.0%	22.0%		1.8%	58.2%	40.0%