

**356.215 ACTUARIAL VALUATIONS AND EXPERIENCE STUDIES.**

Subdivision 1. **Definitions.** (a) For the purposes of sections 3.85 and 356.20 to 356.23, each of the terms in the following paragraphs has the meaning given.

(b) "Actuarial valuation" means a set of calculations prepared by an actuary retained under section 356.214 if so required under section 3.85, or otherwise, by an approved actuary, to determine the normal cost and the accrued actuarial liabilities of a benefit plan, according to the entry age actuarial cost method and based upon stated assumptions including, but not limited to rates of interest, mortality, salary increase, disability, withdrawal, and retirement and to determine the payment necessary to amortize over a stated period any unfunded accrued actuarial liability disclosed as a result of the actuarial valuation of the benefit plan.

(c) "Approved actuary" means a person who is regularly engaged in the business of providing actuarial services and who is a fellow in the Society of Actuaries.

(d) "Entry age actuarial cost method" means an actuarial cost method under which the actuarial present value of the projected benefits of each individual currently covered by the benefit plan and included in the actuarial valuation is allocated on a level basis over the service of the individual, if the benefit plan is governed by section 424A.093, or over the earnings of the individual, if the benefit plan is governed by any other law, between the entry age and the assumed exit age, with the portion of the actuarial present value which is allocated to the valuation year to be the normal cost and the portion of the actuarial present value not provided for at the valuation date by the actuarial present value of future normal costs to be the actuarial accrued liability, with aggregation in the calculation process to be the sum of the calculated result for each covered individual and with recognition given to any different benefit formulas which may apply to various periods of service.

(e) "Experience study" means a report providing experience data and an actuarial analysis of the adequacy of the actuarial assumptions on which actuarial valuations are based.

(f) "Actuarial value of assets" means the market value of all assets as of the preceding June 30, reduced by:

(1) 20 percent of the difference between the actual net change in the market value of total assets between the June 30 that occurred three years earlier and the June 30 that occurred four years earlier and the computed increase in the market value of total assets over that fiscal year period if the assets had earned a rate of return on assets equal to the annual percentage preretirement interest rate assumption used in the actuarial valuation for the July 1 that occurred four years earlier;

(2) 40 percent of the difference between the actual net change in the market value of total assets between the June 30 that occurred two years earlier and the June 30 that occurred three years earlier and the computed increase in the market value of total assets over that fiscal year period if the assets had earned a rate of return on assets equal to the annual percentage preretirement interest rate assumption used in the actuarial valuation for the July 1 that occurred three years earlier;

(3) 60 percent of the difference between the actual net change in the market value of total assets between the June 30 that occurred one year earlier and the June 30 that occurred two years earlier and the computed increase in the market value of total assets over that fiscal year period if the assets had earned a rate of return on assets equal to the annual percentage preretirement interest rate assumption used in the actuarial valuation for the July 1 that occurred two years earlier; and

(4) 80 percent of the difference between the actual net change in the market value of total assets between the most recent June 30 and the June 30 that occurred one year earlier and the computed increase in the market value of total assets over that fiscal year period if the assets had earned a rate of return on assets equal to the annual percentage preretirement interest rate assumption used in the actuarial valuation for the July 1 that occurred one year earlier.

(g) "Unfunded actuarial accrued liability" means the total current and expected future benefit obligations, reduced by the sum of the actuarial value of assets and the present value of future normal costs.

(h) "Pension benefit obligation" means the actuarial present value of credited projected benefits, determined as the actuarial present value of benefits estimated to be payable in the future as a result of employee service attributing an equal benefit amount, including the effect of projected salary increases and any step rate benefit accrual rate differences, to each year of credited and expected future employee service.

Subd. 2. **Requirements.** (a) It is the policy of the legislature that it is necessary and appropriate to determine annually the financial status of tax-supported retirement and pension plans for public employees. To achieve this goal, the actuary retained under section 356.214 shall prepare annual actuarial valuations of the retirement plans enumerated in section 356.214, subdivision 1, paragraph (b), and quadrennial experience studies of the retirement plans enumerated in section 356.214, subdivision 1, paragraph (b), clauses (1), (2), and (6).

(b) The governing or managing board or administrative officials of each public pension and retirement plan enumerated in section 356.20, subdivision 2, clauses (7), (9), and (10), shall have prepared by an approved actuary annual actuarial valuations of their respective funds as provided in this section. This requirement also applies to any plan that is the successor to any organization enumerated in section 356.20, subdivision 2, or to the governing or managing board or administrative officials of any newly formed retirement fund, plan, or association operating under the control or supervision of any public employee group, governmental unit, or institution receiving a portion of its support through legislative appropriations, and any local police or fire relief association to which section 356.216 applies.

Subd. 2a. [Repealed, 2008 c 349 art 10 s 18]

Subd. 3. **Reports.** (a) The actuarial valuations required annually must be made as of the beginning of each fiscal year.

(b) Two copies of the completed valuation must be delivered to the executive director of the Legislative Commission on Pensions and Retirement, to the commissioner of management and budget, and to the Legislative Reference Library. The copies of the actuarial valuation must be filed with the executive director of the Legislative Commission on Pensions and Retirement, the commissioner of management and budget, and the Legislative Reference Library no later than the last day of the sixth month occurring after the end of the previous fiscal year.

(c) Two copies of a quadrennial experience study must be filed with the executive director of the Legislative Commission on Pensions and Retirement, with the commissioner of management and budget, and with the Legislative Reference Library, not later than the last day of the 12th month occurring after the end of the last fiscal year of the four-year period which the experience study covers.

(d) For actuarial valuations and experience studies prepared at the direction of the Legislative Commission on Pensions and Retirement, one copy of the document must be delivered to the governing or managing board or administrative officials of the applicable public pension and retirement fund or plan.

Subd. 4. **Actuarial valuation; contents.** (a) The actuarial valuation must be made in conformity with the requirements of the definition contained in subdivision 1 and the most recent standards for actuarial work adopted by the Legislative Commission on Pensions and Retirement.

(b) The actuarial valuation must measure all aspects of the benefit plan of the fund in accordance with changes in benefit plans, if any, and salaries reasonably anticipated to be in force during the ensuing fiscal year. The actuarial valuation must be prepared in accordance with the entry age actuarial cost method. The actuarial valuation required under this section must include the information required in subdivisions 5 to 15.

Subd. 4a. [Renumbered subd 5]

Subd. 4b. [Renumbered subd 6]

Subd. 4c. [Renumbered subd 7]

Subd. 4d. [Renumbered subd 8]

Subd. 4e. [Renumbered subd 9]

Subd. 4f. [Renumbered subd 10]

Subd. 4g. [Renumbered subd 11]

Subd. 4h. [Renumbered subd 12]

Subd. 4i. [Renumbered subd 13]

Subd. 4j. [Renumbered subd 14]

Subd. 4k. [Renumbered subd 15]

Subd. 5. MS 2000 [Renumbered subd 16]

Subd. 5. **Normal cost.** For a fund providing benefits in whole or in part under a defined benefit plan, the actuarial valuation must indicate the level normal cost of the benefits provided under the laws governing the fund as of the date of the valuation, calculated in accordance with the entry age actuarial cost method. The normal cost must be expressed as a level percentage of the present value of future payrolls of the active participants of the fund as of the date of the valuation.

Subd. 6. MS 2000 [Renumbered subd 17]

Subd. 6. **Accrued liability.** For a fund providing benefits under a defined benefit plan, the actuarial valuation must contain an exhibit indicating the actuarial accrued liabilities of the fund. This figure is the present value of future benefits reduced by the present value of future normal costs, calculated in accordance with the entry age actuarial cost method.

Subd. 7. MS 2000 [Renumbered subd 18]

Subd. 7. **Defined contribution plan accumulations.** For each fund providing benefits under a money purchase or defined contribution plan, the actuarial valuation must contain an exhibit indicating the member contributions accumulated at interest, as apportioned to members accounts, to the date of the valuation. These accumulations must be separately tabulated in a manner which properly reflects any differences in money purchase or defined contribution annuity rates which may apply.

Subd. 8. **Interest and salary assumptions.** (a) The actuarial valuation must use the applicable following interest assumption:

(1) select and ultimate interest rate assumption

plan	ultimate interest rate assumption
general state employees retirement plan	8.5%
correctional state employees retirement plan	8.5
State Patrol retirement plan	8.5
legislators retirement plan, and for the constitutional officers calculation of total plan liabilities	0
judges retirement plan	8.5
general public employees retirement plan	8.5
public employees police and fire retirement plan	8.5
local government correctional service retirement plan	8.5
teachers retirement plan	8.5
St. Paul teachers retirement plan	8.5

Except for the legislators retirement plan and the constitutional officers calculation of total plan liabilities, the select preretirement interest rate assumption for the period after June 30, 2012, through June 30, 2017, is 8 percent.

(2) single rate interest rate assumption

plan	interest rate assumption
Bloomington Fire Department Relief Association	6
local monthly benefit volunteer firefighters relief associations	5

(b)(1) If funding stability has been attained, the valuation must use a postretirement adjustment rate actuarial assumption equal to the postretirement adjustment rate specified in section 354A.27, subdivision 7; 354A.29, subdivision 9; or 356.415, subdivision 1, whichever applies.

(2) If funding stability has not been attained, the valuation must use a select postretirement adjustment rate actuarial assumption equal to the postretirement adjustment rate specified in section 354A.27, subdivision 6a; 354A.29, subdivision 8; or 356.415, subdivision 1a, 1b, 1c, 1d, 1e, or 1f, whichever applies, for a period ending when the approved actuary estimates that the plan will attain the defined funding stability measure, and thereafter an ultimate postretirement adjustment rate actuarial assumption equal to the postre-

tirement adjustment rate under section 354A.27, subdivision 7; 354A.29, subdivision 9; or 356.415, subdivision 1, for the applicable period or periods beginning when funding stability is projected to be attained.

(c) The actuarial valuation must use the applicable following single rate future salary increase assumption, the applicable following modified single rate future salary increase assumption, or the applicable following graded rate future salary increase assumption:

(1) single rate future salary increase assumption

plan	future salary increase assumption
legislators retirement plan	5%
judges retirement plan	3
Bloomington Fire Department Relief Association	4

(2) age-related future salary increase age-related select and ultimate future salary increase assumption or graded rate future salary increase assumption

plan	future salary increase assumption
local government correctional service retirement plan	assumption B
St. Paul teachers retirement plan	assumption A

For plans other than the St. Paul teachers retirement plan and the local government correctional service retirement plan, the select calculation is: during the designated select period, a designated percentage rate is multiplied by the result of the designated integer minus T, where T is the number of completed years of service, and is added to the applicable future salary increase assumption. The designated select period is ten years and the designated integer is ten for the local government correctional service retirement plan and 15 for the St. Paul Teachers Retirement Fund Association. The designated percentage rate is 0.2 percent for the St. Paul Teachers Retirement Fund Association.

The ultimate future salary increase assumption is:

age	A	B
16	5.9%	9%
17	5.9	9
18	5.9	9
19	5.9	9
20	5.9	9
21	5.9	8.75

22	5.9	8.5
23	5.85	8.25
24	5.8	8
25	5.75	7.75
26	5.7	7.5
27	5.65	7.25
28	5.6	7
29	5.55	6.75
30	5.5	6.75
31	5.45	6.5
32	5.4	6.5
33	5.35	6.5
34	5.3	6.25
35	5.25	6.25
36	5.2	6
37	5.15	6
38	5.1	6
39	5.05	5.75
40	5	5.75
41	4.95	5.75
42	4.9	5.5
43	4.85	5.25
44	4.8	5.25
45	4.75	5
46	4.7	5
47	4.65	5
48	4.6	5
49	4.55	5
50	4.5	5
51	4.45	5
52	4.4	5
53	4.35	5
54	4.3	5
55	4.25	4.75

56	4.2	4.75
57	4.15	4.5
58	4.1	4.25
59	4.05	4.25
60	4	4.25
61	4	4.25
62	4	4.25
63	4	4.25
64	4	4.25
65	4	4
66	4	4
67	4	4
68	4	4
69	4	4
70	4	4

## (3) service-related ultimate future salary increase assumption

general state employees retirement plan of the Minnesota State Retirement System	assumption A
general employees retirement plan of the Public Employees Retirement Association	assumption B
Teachers Retirement Association	assumption C
public employees police and fire retirement plan	assumption D
State Patrol retirement plan	assumption E
correctional state employees retirement plan of the Minnesota State Retirement System	assumption F

service length	A	B	C	D	E	F
1	10.5%	12.03%	12%	13%	8%	6%
2	8.1	8.9	9	11	7.5	5.85
3	6.9	7.46	8	9	7	5.7
4	6.2	6.58	7.5	8	6.75	5.55
5	5.7	5.97	7.25	6.5	6.5	5.4
6	5.3	5.52	7	6.1	6.25	5.25
7	5	5.16	6.85	5.8	6	5.1

8	4.7	4.87	6.7	5.6	5.85	4.95
9	4.5	4.63	6.55	5.4	5.7	4.8
10	4.4	4.42	6.4	5.3	5.55	4.65
11	4.2	4.24	6.25	5.2	5.4	4.55
12	4.1	4.08	6	5.1	5.25	4.45
13	4	3.94	5.75	5	5.1	4.35
14	3.8	3.82	5.5	4.9	4.95	4.25
15	3.7	3.7	5.25	4.8	4.8	4.15
16	3.6	3.6	5	4.8	4.65	4.05
17	3.5	3.51	4.75	4.8	4.5	3.95
18	3.5	3.5	4.5	4.8	4.35	3.85
19	3.5	3.5	4.25	4.8	4.2	3.75
20	3.5	3.5	4	4.8	4.05	3.75
21	3.5	3.5	3.9	4.7	4	3.75
22	3.5	3.5	3.8	4.6	4	3.75
23	3.5	3.5	3.7	4.5	4	3.75
24	3.5	3.5	3.6	4.5	4	3.75
25	3.5	3.5	3.5	4.5	4	3.75
26	3.5	3.5	3.5	4.5	4	3.75
27	3.5	3.5	3.5	4.5	4	3.75
28	3.5	3.5	3.5	4.5	4	3.75
29	3.5	3.5	3.5	4.5	4	3.75
30 or more	3.5	3.5	3.5	4.5	4	3.75

(d) The actuarial valuation must use the applicable following payroll growth assumption for calculating the amortization requirement for the unfunded actuarial accrued liability where the amortization retirement is calculated as a level percentage of an increasing payroll:

plan	payroll growth assumption
general state employees retirement plan of the Minnesota State Retirement System	3.75%
correctional state employees retirement plan	3.75
State Patrol retirement plan	3.75
judges retirement plan	3
general employees retirement plan of the Public Employees Retirement Association	3.75
public employees police and fire retirement plan	3.75



local government correctional service retirement plan	3.75
teachers retirement plan	3.75
St. Paul teachers retirement plan	4

(e) The assumptions set forth in paragraphs (c) and (d) continue to apply, unless a different salary assumption or a different payroll increase assumption:

(1) has been proposed by the governing board of the applicable retirement plan;

(2) is accompanied by the concurring recommendation of the actuary retained under section 356.214, subdivision 1, if applicable, or by the approved actuary preparing the most recent actuarial valuation report if section 356.214 does not apply; and

(3) has been approved or deemed approved under subdivision 18.

*[See Note.]*

Subd. 9. **Other assumptions.** The actuarial valuation must use assumptions concerning mortality, disability, retirement, withdrawal, retirement age, and any other relevant demographic or economic factor. These assumptions must be set at levels consistent with those determined in the most recent quadrennial experience study completed under subdivision 16, if required, or representative of the best estimate of future experience, if a quadrennial experience study is not required. The actuarial valuation must contain an exhibit indicating any actuarial assumptions used in preparing the valuation report.

Subd. 10. **Public sector accounting disclosure information.** The actuarial valuation must contain those actuarial calculations that are necessary to allow the retirement plan administration or participating employing units to prepare the pension-related portions of annual financial reporting that meet generally accepted accounting principles for the public sector.

Subd. 11. **Amortization contributions.** (a) In addition to the exhibit indicating the level normal cost, the actuarial valuation of the retirement plan must contain an exhibit for financial reporting purposes indicating the additional annual contribution sufficient to amortize the unfunded actuarial accrued liability and must contain an exhibit for contribution determination purposes indicating the additional contribution sufficient to amortize the unfunded actuarial accrued liability. For the retirement plans listed in subdivision 8, paragraph (c), but excluding the MERF division of the Public Employees Retirement Association and the legislators retirement plan, the additional contribution must be calculated on a level percentage of covered payroll basis by the established date for full funding in effect when the valuation is prepared, assuming annual payroll growth at the applicable percentage rate set forth in subdivision 8, paragraph (d). For all other retirement plans and for the MERF division of the Public Employees Retirement Association and the legislators retirement plan, the additional annual contribution must be calculated on a level annual dollar amount basis.

(b) For any retirement plan other than a retirement plan governed by paragraph (d), (e), (f), (g), (h), (i), (j), or (k), if there has not been a change in the actuarial assumptions used for calculating the actuarial accrued liability of the fund, a change in the benefit plan governing annuities and benefits payable from the fund, a change in the actuarial cost method used in calculating the actuarial accrued liability of all or a portion of the fund, or a combination of the three, which change or changes by itself or by themselves without inclusion of any other items of increase or decrease produce a net increase in the unfunded actuarial

accrued liability of the fund, the established date for full funding is the first actuarial valuation date occurring after June 1, 2020.

(c) For any retirement plan, if there has been a change in any or all of the actuarial assumptions used for calculating the actuarial accrued liability of the fund, a change in the benefit plan governing annuities and benefits payable from the fund, a change in the actuarial cost method used in calculating the actuarial accrued liability of all or a portion of the fund, or a combination of the three, and the change or changes, by itself or by themselves and without inclusion of any other items of increase or decrease, produce a net increase in the unfunded actuarial accrued liability in the fund, the established date for full funding must be determined using the following procedure:

(i) the unfunded actuarial accrued liability of the fund must be determined in accordance with the plan provisions governing annuities and retirement benefits and the actuarial assumptions in effect before an applicable change;

(ii) the level annual dollar contribution or level percentage, whichever is applicable, needed to amortize the unfunded actuarial accrued liability amount determined under item (i) by the established date for full funding in effect before the change must be calculated using the interest assumption specified in subdivision 8 in effect before the change;

(iii) the unfunded actuarial accrued liability of the fund must be determined in accordance with any new plan provisions governing annuities and benefits payable from the fund and any new actuarial assumptions and the remaining plan provisions governing annuities and benefits payable from the fund and actuarial assumptions in effect before the change;

(iv) the level annual dollar contribution or level percentage, whichever is applicable, needed to amortize the difference between the unfunded actuarial accrued liability amount calculated under item (i) and the unfunded actuarial accrued liability amount calculated under item (iii) over a period of 30 years from the end of the plan year in which the applicable change is effective must be calculated using the applicable interest assumption specified in subdivision 8 in effect after any applicable change;

(v) the level annual dollar or level percentage amortization contribution under item (iv) must be added to the level annual dollar amortization contribution or level percentage calculated under item (ii);

(vi) the period in which the unfunded actuarial accrued liability amount determined in item (iii) is amortized by the total level annual dollar or level percentage amortization contribution computed under item (v) must be calculated using the interest assumption specified in subdivision 8 in effect after any applicable change, rounded to the nearest integral number of years, but not to exceed 30 years from the end of the plan year in which the determination of the established date for full funding using the procedure set forth in this clause is made and not to be less than the period of years beginning in the plan year in which the determination of the established date for full funding using the procedure set forth in this clause is made and ending by the date for full funding in effect before the change; and

(vii) the period determined under item (vi) must be added to the date as of which the actuarial valuation was prepared and the date obtained is the new established date for full funding.

(d) For the MERF division of the Public Employees Retirement Association, the established date for full funding is June 30, 2031.

(e) For the general employees retirement plan of the Public Employees Retirement Association, the established date for full funding is June 30, 2031.

(f) For the Teachers Retirement Association, the established date for full funding is June 30, 2037.

(g) For the correctional state employees retirement plan of the Minnesota State Retirement System, the established date for full funding is June 30, 2038.

(h) For the judges retirement plan, the established date for full funding is June 30, 2038.

(i) For the public employees police and fire retirement plan, the established date for full funding is June 30, 2038.

(j) For the St. Paul Teachers Retirement Fund Association, the established date for full funding is June 30, 2042. In addition to other requirements of this chapter, the annual actuarial valuation must contain an exhibit indicating the funded ratio and the deficiency or sufficiency in annual contributions when comparing liabilities to the market value of the assets of the fund as of the close of the most recent fiscal year.

(k) For the general state employees retirement plan of the Minnesota State Retirement System, the established date for full funding is June 30, 2040.

(l) For the retirement plans for which the annual actuarial valuation indicates an excess of valuation assets over the actuarial accrued liability, the valuation assets in excess of the actuarial accrued liability must be recognized as a reduction in the current contribution requirements by an amount equal to the amortization of the excess expressed as a level percentage of pay over a 30-year period beginning anew with each annual actuarial valuation of the plan.

Subd. 12. **Actuarial gains and losses.** The actuarial valuation must contain an exhibit consisting of an analysis by the actuary explaining the net increase or decrease in the unfunded actuarial accrued liability since the last valuation. The explanation must subdivide the net increase or decrease in the unfunded actuarial accrued liability into at least the following parts:

(1) increases or decreases in the unfunded actuarial accrued liability because of changes in benefits;

(2) increases and decreases in the unfunded actuarial accrued liability because of changes in actuarial assumptions;

(3) increases or decreases in the unfunded actuarial accrued liability attributable to actuarial gains or losses resulting from any experience deviations from the assumptions on which the valuation is based, as follows:

(i) actual investment earnings;

(ii) actual postretirement mortality rates;

(iii) actual salary increase rates; and

(iv) the remainder of the increase or decrease not attributable to any separate source;

(4) increases or decreases in unfunded actuarial accrued liability because of other reasons, including the effect of any amortization contribution paid or additional amortization contribution previously calculated but unpaid; and

(5) increases or decreases in unfunded actuarial accrued liability because of changes in eligibility requirements or groups included in the membership of the fund.

Subd. 13. **Membership tabulation.** (a) The actuarial valuation must contain a tabulation of active membership and annuitants in the fund. If the membership of a fund is under more than one general benefit program, a separate tabulation must be made for each general benefit program.

(b) The tabulations must be prepared by the administration of the pension fund and must contain the following information:

(1) Active members	Number
As of last valuation date	
New entrants	
Total	
Separations from active service	
Refund of contributions	
Separation with deferred annuity	
Separation with neither refund nor deferred annuity	
Disability	
Death	
Retirement with service annuity	
Total separations	
As of current valuation date	
(2) Annuitants	Number
As of last valuation date	
New entrants	
Total	
Terminations	
Deaths	
Other	
Total Terminations	
As of current valuation date	

(c) The tabulation required under paragraph (b), clause (2), must be made separately for each of the following classes of benefit recipients:

- (1) service retirement annuitants;
- (2) disability benefit recipients;
- (3) survivor benefit recipients; and

(4) deferred annuitants.

Subd. 14. **Administrative expenses.** (a) The actuarial valuation must indicate the administrative expenses of the fund, expressed both in dollars and as a percentage of covered payroll.

(b) Administrative expenses are the costs incurred by the retirement plans in the course of operating the plan, excluding investment expenses. Investment expenses include all expenses incurred for the retention of professional external investment managers and professional investment consultants, custodian bank fees, investment transaction costs, and the costs incurred by the retirement plans to manage investment portfolios or assets internally. Investment expenses must be deducted from the investment return used in the actuarial valuation, and must not be included in administrative expenses when calculating the allowance for expenses.

Subd. 15. **Benefit plan summary.** The actuarial valuation must contain a summary of the principal provisions of the benefit plan upon which the valuation is based.

Subd. 16. **Quadrennial experience study; contents.** A quadrennial experience study, if required, must contain an analysis by the approved actuary of the experience of the fund and a comparison of the experience with the actuarial assumptions on which the most recent actuarial valuation of the retirement fund was based.

Subd. 17. **Actuarial services by approved actuaries.** (a) The actuarial valuation or quadrennial experience study must be made and any actuarial consulting services for a retirement fund or plan must be provided by an approved actuary. The actuarial valuation or quadrennial experience study must include a signed written declaration that it has been prepared according to sections 356.20 to 356.23 and according to the most recent standards for actuarial work adopted by the Legislative Commission on Pensions and Retirement.

(b) Actuarial valuations or experience studies prepared by an approved actuary retained by a retirement fund or plan must be submitted to the Legislative Commission on Pensions and Retirement within ten days of the submission of the document to the retirement fund or plan.

Subd. 18. **Establishment of actuarial assumptions.** (a) Before July 2, 2010, the actuarial assumptions used for the preparation of actuarial valuations under this section that are other than preretirement interest, postretirement interest, salary increase, and payroll increase may be changed only with the approval of the Legislative Commission on Pensions and Retirement or after a period of one year has elapsed since the date on which the proposed assumption change or changes were received by the Legislative Commission on Pensions and Retirement without commission action.

(b) After July 1, 2010, the actuarial assumptions used for the preparation of actuarial valuations under this section that are other than postretirement interest and preretirement interest may be changed only with the approval of the Legislative Commission on Pensions and Retirement or after a period of one year has elapsed since the date on which the proposed assumption change or changes were received by the Legislative Commission on Pensions and Retirement without commission action.

(c) A change in the applicable actuarial assumptions may be proposed by the governing board of the applicable pension fund or relief association, by the actuary retained by the joint retirement systems under section 356.214 or by the actuary retained by a local police or firefighters relief association governed by sections 424A.091 to 424A.096 or by Laws 2013, chapter 111, article 5, sections 31 to 42, if one is retained.

**History:** 1975 c 192 s 3; 1978 c 563 s 9,10; 1979 c 184 s 1; 1981 c 224 s 169; 1984 c 564 s 43; 1Sp1985 c 7 s 27; 1986 c 359 s 26; 1986 c 458 s 20; 1987 c 259 s 55; 1989 c 319 art 13 s 90,91; 1991 c 199 art

*2 s 24; 1991 c 269 art 3 s 3-19; 1991 c 345 art 4 s 3,4; 1993 c 336 art 4 s 1; 1993 c 352 s 7; 1995 c 141 art 3 s 14,15; 1997 c 233 art 1 s 57-59; 1997 c 241 art 4 s 1; 1998 c 390 art 8 s 2; 1999 c 222 art 4 s 14; 2000 c 461 art 1 s 3-6; 1Sp2001 c 10 art 11 s 18; 2002 c 392 art 9 s 1; art 11 s 7,53; 2004 c 223 s 7,8; 1Sp2005 c 8 art 11 s 2; 2006 c 271 art 3 sec 47; 2006 c 277 art 3 s 33,34; 2008 c 204 s 41; 2008 c 349 art 10 s 10-15; 2009 c 86 art 1 s 90; 2009 c 101 art 2 s 109; 2009 c 169 art 1 s 70,71; 2010 c 359 art 1 s 68,69; art 9 s 1; art 11 s 19,20; 1Sp2011 c 8 art 3 s 1; art 6 s 19; art 7 s 19; art 8 s 6,14; 2012 c 286 art 1 s 1-3; art 8 s 7; art 11 s 6; 2013 c 111 art 2 s 26,27; art 5 s 61,80; art 13 s 17; 2014 c 275 art 2 s 25; 2014 c 296 art 6 s 34,49; art 7 s 3; art 10 s 1,2*

**NOTE:** The amendment to subdivision 8 by Laws 2014, chapter 296, article 6, section 34, is effective June 30, 2015. Laws 2014, chapter 296, article 6, section 49.